Package 'aws.ecx'

January 26, 2022

Title Communicating with AWS EC2 and ECS using AWS REST APIs

Version 1.0.5

Description Providing the functions for communicating with Amazon Web Services(AWS)
Elastic Compute Cloud(EC2) and Elastic Container Service(ECS).
The functions will have the prefix 'ecs_' or 'ec2_' depending on the class
of the API. The request will be sent via the REST API and the parameters are
given by the function argument. The credentials can be set via 'aws_set_credentials'.
The EC2 documentation can be found at <https:
//docs.aws.amazon.com/AWSEC2/latest/APIReference/Welcome.html>
and ECS can be found at <https:
//docs.aws.amazon.com/AmazonECS/latest/APIReference/Welcome.html>.

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Encoding UTF-8

RoxygenNote 7.1.1

Imports methods, rjson, aws.signature, httr, xml2, utils

URL https://github.com/Jiefei-Wang/aws.ecx

BugReports https://github.com/Jiefei-Wang/aws.ecx/issues

Suggests knitr, rmarkdown, testthat

VignetteBuilder knitr

NeedsCompilation no

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Repository CRAN

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R topics documented:

aws_set_credentials   *Set or get AWS credentials*

Description

Set or get AWS credentials. This function will be called by the package when loaded.

Usage

```
aws_set_credentials(
  key_file = NULL,
  access_key_id = NULL,
  secret_access_key = NULL,
  region = NULL,
  profile = NULL
)

aws_get_credentials()

aws_get_access_key_id()

aws_get_secret_access_key()

aws_get_region()

aws_set_access_key_id(access_key_id)

aws_set_secret_access_key(secret_access_key)

aws_set_region(region)

aws_list_regions()
```

Arguments

`key_file`	The csv credential file that is downloaded from AWS
`access_key_id`	An AWS Access Key ID
`secret_access_key`	
	An AWS Secret Access Key
`region`	A character string containing the AWS region for the request. If missing, "us-east-1" is assumed.
`profile`	A character string specifying which profile to use from the file. By default, the profile named in `AWS_PROFILE` is used, otherwise the "default" profile is used.

Details

The function `aws_set_credentials` uses `aws.signature::locate_credentials` internally to determine your credentials. There are a variety of ways to find the credentials, the most common methods are(sorted by the search order)

1. user-supplied values passed to the function
2. environment variables (`AWS_ACCESS_KEY_ID`, `AWS_SECRET_ACCESS_KEY`, `AWS_DEFAULT_REGION`, and `AWS_SESSION_TOKEN`)
3. a profile in a local credentials dot file in the current working directory, using the profile specified by `AWS_PROFILE`
4. a profile in a global credentials dot file in a location set by `AWS_SHARED_CREDENTIALS_FILE` or defaulting typically to "~/.aws/credentials" (or another OS-specific location), using the profile specified by `AWS_PROFILE`

Value

`aws_set_credentials` : A list containing credentials(with asterisk) and region.

`aws_get_credentials` : A list containing credentials(with asterisk) and region.

`aws_get_access_key_id` : The access key id

`aws_get_secret_access_key` : The secret access key

`aws_get_region` : The region

`aws_set_access_key_id` : NULL

`aws_set_secret_access_key` : NULL

`aws_set_region` : The old region

`aws_list_regions`: A vector of available regions

Examples

```
## Get your credentials from the environment variables or AWS cli
aws_set_credentials()

## show your current credentials
aws_get_credentials()
```

---

aws_set_retry_time *Get or set the package settings*

Description

Get or set the package settings

Usage

```
aws_set_retry_time(x)

aws_set_print_on_error(x)

aws_set_network_timeout(x)

aws_get_retry_time()

aws_get_print_on_error()

aws_get_network_timeout()
```

Arguments

x   the value to be set. For the timeout setting, the unit is seconds.

Value

Setter: The old value Getter: The current value

Examples

```
## Set the timeout to 10 seconds
aws_set_network_timeout(10)
## Get the timeout setting
aws_get_network_timeout()

## Turn off print on error
aws_set_print_on_error(FALSE)

## Set the retry times to 5
aws_set_retry_time(5)
```

CommonDoc   *Common documents*

Description

Common documents

Arguments

others	Named list. The parameters that are not included in the function parameters and need to be added into the request[optional]
simplify	Logical. Whether to simplify the result and handle nextToken in the response[optional]
Filter	Named list where the name is the filter name and the value is the filter's value. The value can be a vector or a list object (see below)[optional]
NextToken	Characters. The token for the next page of results[optional]
nextToken	Characters. The token for the next page of results[optional]
print_on_error	Logical. Whether to show an error message when a network error occurs.
retry_time	Integer. Number of retries for a REST request when encounter the network issue. If the request has been sent retry_time times but still not be able to get the response, an error will be thrown.
network_timeout	
	Numeric. Number of seconds to wait for a REST response until giving up. Can not be less than 1 ms.
region	Character. The region of the AWS service.

Value

No return value

---

ec2_accept_reserved_instances_exchange_quote
                   Accept Reserved Instances Exchange Quote

Description

Accepts the Convertible Reserved Instance exchange quote described in the GetReservedInstancesExchangeQuote call.

Usage

```
ec2_accept_reserved_instances_exchange_quote(
  ReservedInstanceId,
  DryRun = NULL,
  TargetConfiguration = NULL,
  simplify = TRUE,
  others = list(),
  print_on_error = aws_get_print_on_error(),
  retry_time = aws_get_retry_time(),
  network_timeout = aws_get_network_timeout(),
  region = aws_get_region()
)
```

Arguments

ReservedInstanceId

> List. The IDs of the Convertible Reserved Instances to exchange for another
> Convertible Reserved Instance...

DryRun   Logical. Checks whether you have the required permissions for the action, with-
                     out actually making the request,...[optional]

TargetConfiguration

> List. The configuration of the target Convertible Reserved Instance to exchange
> for your current Convertible...[optional]

simplify   Logical. Whether to simplify the result and handle nextToken in the response[optional]

others   Named list. The parameters that are not included in the function parameters and
                     need to be added into the request[optional]

print_on_error Logical. Whether to show an error message when a network error occurs.

retry_time   Integer. Number of retries for a REST request when encounter the network
                     issue. If the request has been sent retry_time times but still not be able to get
                     the response, an error will be thrown.

network_timeout

> Numeric. Number of seconds to wait for a REST response until giving up. Can
> not be less than 1 ms.

region   Character. The region of the AWS service.

Value

A list object or a character vector

ReservedInstanceId

The IDs of the Convertible Reserved Instances to exchange for another Convertible Reserved In-
stance of the same or higher value.

DryRun

Checks whether you have the required permissions for the action, without actually making the request, and provides an error response. If you have the required permissions, the error response is `DryRunOperation`. Otherwise, it is `UnauthorizedOperation`.

TargetConfiguration

The configuration of the target Convertible Reserved Instance to exchange for your current Convertible Reserved Instances.

---

ec2_accept_transit_gateway_multicast_domain_associations

Accept Transit Gateway Multicast Domain Associations

Description

Accepts a request to associate subnets with a transit gateway multicast domain.

Usage

```
ec2_accept_transit_gateway_multicast_domain_associations(
  TransitGatewayMulticastDomainId = NULL,
  TransitGatewayAttachmentId = NULL,
  SubnetIds = NULL,
  DryRun = NULL,
  simplify = TRUE,
  others = list(),
  print_on_error = aws_get_print_on_error(),
  retry_time = aws_get_retry_time(),
  network_timeout = aws_get_network_timeout(),
  region = aws_get_region()
)
```

Arguments

TransitGatewayMulticastDomainId

Character. The ID of the transit gateway multicast domain.[optional]

TransitGatewayAttachmentId

Character. The ID of the transit gateway attachment.[optional]

SubnetIds   List. The IDs of the subnets to associate with the transit gateway multicast domain.[optional]

DryRun   Logical. Checks whether you have the required permissions for the action, without actually making the request,...[optional]

simplify   Logical. Whether to simplify the result and handle `nextToken` in the response[optional]

others   Named list. The parameters that are not included in the function parameters and need to be added into the request[optional]

print_on_error Logical. Whether to show an error message when a network error occurs.

retry_time   Integer. Number of retries for a REST request when encounter the network issue. If the request has been sent retry_time times but still not be able to get the response, an error will be thrown.

network_timeout

Numeric. Number of seconds to wait for a REST response until giving up. Can not be less than 1 ms.

region   Character. The region of the AWS service.

Value

A list object or a character vector

TransitGatewayMulticastDomainId

The ID of the transit gateway multicast domain.

TransitGatewayAttachmentId

The ID of the transit gateway attachment.

SubnetIds

The IDs of the subnets to associate with the transit gateway multicast domain.

DryRun

Checks whether you have the required permissions for the action, without actually making the request, and provides an error response. If you have the required permissions, the error response is DryRunOperation. Otherwise, it is UnauthorizedOperation.

---

ec2_accept_transit_gateway_peering_attachment
Accept Transit Gateway Peering Attachment

Description

Accepts a transit gateway peering attachment request. The peering attachment must be in the pendingAcceptance state.

Usage

```
ec2_accept_transit_gateway_peering_attachment(
  TransitGatewayAttachmentId,
  DryRun = NULL,
  simplify = TRUE,
  others = list(),
  print_on_error = aws_get_print_on_error(),
  retry_time = aws_get_retry_time(),
  network_timeout = aws_get_network_timeout(),
  region = aws_get_region()
)
```

Arguments

TransitGatewayAttachmentId

        Character. The ID of the transit gateway attachment.

DryRun   Logical. Checks whether you have the required permissions for the action, without actually making the request,...[optional]

simplify   Logical. Whether to simplify the result and handle nextToken in the response[optional]

others   Named list. The parameters that are not included in the function parameters and need to be added into the request[optional]

print_on_error Logical. Whether to show an error message when a network error occurs.

retry_time   Integer. Number of retries for a REST request when encounter the network issue. If the request has been sent retry_time times but still not be able to get the response, an error will be thrown.

network_timeout

        Numeric. Number of seconds to wait for a REST response until giving up. Can not be less than 1 ms.

region   Character. The region of the AWS service.

Value

A list object or a character vector

TransitGatewayAttachmentId

The ID of the transit gateway attachment.

DryRun

Checks whether you have the required permissions for the action, without actually making the request, and provides an error response. If you have the required permissions, the error response is DryRunOperation. Otherwise, it is UnauthorizedOperation.

ec2_accept_transit_gateway_vpc_attachment
Accept Transit Gateway Vpc Attachment

Description

Accept Transit Gateway Vpc Attachment

Usage

```
ec2_accept_transit_gateway_vpc_attachment(
  TransitGatewayAttachmentId,
  DryRun = NULL,
  simplify = TRUE,
  others = list(),
  print_on_error = aws_get_print_on_error(),
  retry_time = aws_get_retry_time(),
  network_timeout = aws_get_network_timeout(),
  region = aws_get_region()
)
```

Arguments

TransitGatewayAttachmentId

                  Character. The ID of the attachment.

DryRun   Logical. Checks whether you have the required permissions for the action, without actually making the request,...[optional]

simplify   Logical. Whether to simplify the result and handle nextToken in the response[optional]

others   Named list. The parameters that are not included in the function parameters and need to be added into the request[optional]

print_on_error Logical. Whether to show an error message when a network error occurs.

retry_time   Integer. Number of retries for a REST request when encounter the network issue. If the request has been sent retry_time times but still not be able to get the response, an error will be thrown.

network_timeout

                  Numeric. Number of seconds to wait for a REST response until giving up. Can not be less than 1 ms.

region   Character. The region of the AWS service.

Value

A list object or a character vector

TransitGatewayAttachmentId

The ID of the attachment.

DryRun

Checks whether you have the required permissions for the action, without actually making the request, and provides an error response. If you have the required permissions, the error response is `DryRunOperation`. Otherwise, it is `UnauthorizedOperation`.

---

ec2_accept_vpc_endpoint_connections
Accept Vpc Endpoint Connections

Description

Accepts one or more interface VPC endpoint connection requests to your VPC endpoint service.

Usage

```
ec2_accept_vpc_endpoint_connections(
  ServiceId,
  VpcEndpointId,
  DryRun = NULL,
  simplify = TRUE,
  others = list(),
  print_on_error = aws_get_print_on_error(),
  retry_time = aws_get_retry_time(),
  network_timeout = aws_get_network_timeout(),
  region = aws_get_region()
)
```

Arguments

ServiceId	Character. The ID of the VPC endpoint service.
VpcEndpointId	List. The IDs of one or more interface VPC endpoints.
DryRun	Logical. Checks whether you have the required permissions for the action, without actually making the request,...[optional]
simplify	Logical. Whether to simplify the result and handle nextToken in the response[optional]
others	Named list. The parameters that are not included in the function parameters and need to be added into the request[optional]
print_on_error	Logical. Whether to show an error message when a network error occurs.
retry_time	Integer. Number of retries for a REST request when encounter the network issue. If the request has been sent retry_time times but still not be able to get the response, an error will be thrown.
network_timeout	
	Numeric. Number of seconds to wait for a REST response until giving up. Can not be less than 1 ms.
region	Character. The region of the AWS service.

Value

A list object or a character vector

ServiceId

The ID of the VPC endpoint service.

VpcEndpointId

The IDs of one or more interface VPC endpoints.

DryRun

Checks whether you have the required permissions for the action, without actually making the request, and provides an error response. If you have the required permissions, the error response is DryRunOperation. Otherwise, it is UnauthorizedOperation.

---

ec2_accept_vpc_peering_connection

Accept Vpc Peering Connection

Description

Accept Vpc Peering Connection

Usage

```
ec2_accept_vpc_peering_connection(
  DryRun = NULL,
  VpcPeeringConnectionId = NULL,
  simplify = TRUE,
  others = list(),
  print_on_error = aws_get_print_on_error(),
  retry_time = aws_get_retry_time(),
  network_timeout = aws_get_network_timeout(),
  region = aws_get_region()
)
```

Arguments

DryRun   Logical. Checks whether you have the required permissions for the action, without actually making the request,...[optional]

VpcPeeringConnectionId

                    Character. The ID of the VPC peering connection. You must specify this parameter in the request.[optional]

simplify   Logical. Whether to simplify the result and handle nextToken in the response[optional]

others	Named list. The parameters that are not included in the function parameters and need to be added into the request[optional]
print_on_error	Logical. Whether to show an error message when a network error occurs.
retry_time	Integer. Number of retries for a REST request when encounter the network issue. If the request has been sent retry_time times but still not be able to get the response, an error will be thrown.
network_timeout	
	Numeric. Number of seconds to wait for a REST response until giving up. Can not be less than 1 ms.
region	Character. The region of the AWS service.

Value

A list object or a character vector

DryRun

Checks whether you have the required permissions for the action, without actually making the request, and provides an error response. If you have the required permissions, the error response is DryRunOperation. Otherwise, it is UnauthorizedOperation.

VpcPeeringConnectionId

The ID of the VPC peering connection. You must specify this parameter in the request.

---

ec2_advertise_byoip_cidr
Advertise Byoip Cidr

Description

Advertise Byoip Cidr

Usage

```
ec2_advertise_byoip_cidr(
  Cidr,
  DryRun = NULL,
  simplify = TRUE,
  others = list(),
  print_on_error = aws_get_print_on_error(),
  retry_time = aws_get_retry_time(),
  network_timeout = aws_get_network_timeout(),
  region = aws_get_region()
)
```

Arguments

`Cidr`	Character. The address range, in CIDR notation.
`DryRun`	Logical. Checks whether you have the required permissions for the action, without actually making the request,...[optional]
`simplify`	Logical. Whether to simplify the result and handle `nextToken` in the response[optional]
`others`	Named list. The parameters that are not included in the function parameters and need to be added into the request[optional]
`print_on_error`	Logical. Whether to show an error message when a network error occurs.
`retry_time`	Integer. Number of retries for a REST request when encounter the network issue. If the request has been sent `retry_time` times but still not be able to get the response, an error will be thrown.
`network_timeout`	
	Numeric. Number of seconds to wait for a REST response until giving up. Can not be less than 1 ms.
`region`	Character. The region of the AWS service.

Value

A list object or a character vector

Cidr

The address range, in CIDR notation. This must be the exact range that you provisioned. You can\'t advertise only a portion of the provisioned range.

DryRun

Checks whether you have the required permissions for the action, without actually making the request, and provides an error response. If you have the required permissions, the error response is `DryRunOperation`. Otherwise, it is `UnauthorizedOperation`.

---

ec2_allocate_address   *Allocate Address*

Description

Allocate Address

Usage

```
ec2_allocate_address(
  Domain = NULL,
  Address = NULL,
  PublicIpv4Pool = NULL,
  NetworkBorderGroup = NULL,
  CustomerOwnedIpv4Pool = NULL,
  DryRun = NULL,
  TagSpecification = NULL,
  simplify = TRUE,
  others = list(),
  print_on_error = aws_get_print_on_error(),
  retry_time = aws_get_retry_time(),
  network_timeout = aws_get_network_timeout(),
  region = aws_get_region()
)
```

Arguments

Domain	Character. Indicates whether the Elastic IP address is for use with instances in a VPC or instances in EC2-Classic....[optional]
Address	Character. [EC2-VPC] The Elastic IP address to recover or an IPv4 address from an address pool.[optional]
PublicIpv4Pool	Character. The ID of an address pool that you own.[optional]
NetworkBorderGroup	
	Character. A unique set of Availability Zones, Local Zones, or Wavelength Zones from which AWS advertises...[optional]
CustomerOwnedIpv4Pool	
	Character. The ID of a customer-owned address pool.[optional]
DryRun	Logical. Checks whether you have the required permissions for the action, without actually making the request,...[optional]
TagSpecification	
	List. The tags to assign to the Elastic IP address.[optional]
simplify	Logical. Whether to simplify the result and handle nextToken in the response[optional]
others	Named list. The parameters that are not included in the function parameters and need to be added into the request[optional]
print_on_error	Logical. Whether to show an error message when a network error occurs.
retry_time	Integer. Number of retries for a REST request when encounter the network issue. If the request has been sent retry_time times but still not be able to get the response, an error will be thrown.
network_timeout	
	Numeric. Number of seconds to wait for a REST response until giving up. Can not be less than 1 ms.
region	Character. The region of the AWS service.

Value

A list object or a character vector

Domain

Indicates whether the Elastic IP address is for use with instances in a VPC or instances in EC2-Classic.

Default: If the Region supports EC2-Classic, the default is standard. Otherwise, the default is vpc.

Address

[EC2-VPC] The Elastic IP address to recover or an IPv4 address from an address pool.

PublicIpv4Pool

The ID of an address pool that you own. Use this parameter to let Amazon EC2 select an address from the address pool. To specify a specific address from the address pool, use the Address parameter instead.

NetworkBorderGroup

A unique set of Availability Zones, Local Zones, or Wavelength Zones from which AWS advertises IP addresses. Use this parameter to limit the IP address to this location. IP addresses cannot move between network border groups.

Use DescribeAvailabilityZones to view the network border groups.

You cannot use a network border group with EC2 Classic. If you attempt this operation on EC2 classic, you will receive an InvalidParameterCombination error. For more information, see Error Codes.

CustomerOwnedIpv4Pool

The ID of a customer-owned address pool. Use this parameter to let Amazon EC2 select an address from the address pool. Alternatively, specify a specific address from the address pool.

DryRun

Checks whether you have the required permissions for the action, without actually making the request, and provides an error response. If you have the required permissions, the error response is DryRunOperation. Otherwise, it is UnauthorizedOperation.

TagSpecification

The tags to assign to the Elastic IP address.

ec2_allocate_hosts *Allocate Hosts*

Description

Allocates a Dedicated Host to your account. At a minimum, specify the supported instance type or instance family, the Availability Zone in which to allocate the host, and the number of hosts to allocate.

Usage

```
ec2_allocate_hosts(
  AvailabilityZone,
  Quantity,
  AutoPlacement = NULL,
  ClientToken = NULL,
  InstanceType = NULL,
  InstanceFamily = NULL,
  TagSpecification = NULL,
  HostRecovery = NULL,
  simplify = TRUE,
  others = list(),
  print_on_error = aws_get_print_on_error(),
  retry_time = aws_get_retry_time(),
  network_timeout = aws_get_network_timeout(),
  region = aws_get_region()
)
```

Arguments

AvailabilityZone

Character. The Availability Zone in which to allocate the Dedicated Host.

Quantity   Integer. The number of Dedicated Hosts to allocate to your account with these parameters.

AutoPlacement   Character. Indicates whether the host accepts any untargeted instance launches that match its instance type...[optional]

ClientToken   Character. Unique, case-sensitive identifier that you provide to ensure the idempotency of the request.[optional]

InstanceType   Character. Specifies the instance type to be supported by the Dedicated Hosts.[optional]

InstanceFamily   Character. Specifies the instance family to be supported by the Dedicated Hosts.[optional]

TagSpecification

List. The tags to apply to the Dedicated Host during creation.[optional]

HostRecovery   Character. Indicates whether to enable or disable host recovery for the Dedicated Host.[optional]

simplify   Logical. Whether to simplify the result and handle nextToken in the response[optional]

others   Named list. The parameters that are not included in the function parameters and
                   need to be added into the request[optional]

print_on_error   Logical. Whether to show an error message when a network error occurs.

retry_time   Integer. Number of retries for a REST request when encounter the network
                   issue. If the request has been sent `retry_time` times but still not be able to get
                   the response, an error will be thrown.

network_timeout
                   Numeric. Number of seconds to wait for a REST response until giving up. Can
                   not be less than 1 ms.

region   Character. The region of the AWS service.

Value

A list object or a character vector

AvailabilityZone

The Availability Zone in which to allocate the Dedicated Host.

Quantity

The number of Dedicated Hosts to allocate to your account with these parameters.

AutoPlacement

Indicates whether the host accepts any untargeted instance launches that match its instance type
configuration, or if it only accepts Host tenancy instance launches that specify its unique host ID.
For more information, see Understanding auto-placement and affinity in the *Amazon EC2 User
Guide*.

Default: on

ClientToken

Unique, case-sensitive identifier that you provide to ensure the idempotency of the request. For
more information, see Ensuring Idempotency.

InstanceType

Specifies the instance type to be supported by the Dedicated Hosts. If you specify an instance type,
the Dedicated Hosts support instances of the specified instance type only.

If you want the Dedicated Hosts to support multiple instance types in a specific instance family,
omit this parameter and specify **InstanceFamily** instead. You cannot specify **InstanceType** and
InstanceFamily in the same request.

InstanceFamily

Specifies the instance family to be supported by the Dedicated Hosts. If you specify an instance family, the Dedicated Hosts support multiple instance types within that instance family.

If you want the Dedicated Hosts to support a specific instance type only, omit this parameter and specify **InstanceType** instead. You cannot specify **InstanceFamily** and **InstanceType** in the same request.

TagSpecification

The tags to apply to the Dedicated Host during creation.

HostRecovery

Indicates whether to enable or disable host recovery for the Dedicated Host. Host recovery is disabled by default. For more information, see Host recovery in the *Amazon EC2 User Guide*.

Default: `off`

---

ec2_apply_security_groups_to_client_vpn_target_network
Apply Security Groups To Client Vpn Target Network

Description

Applies a security group to the association between the target network and the Client VPN endpoint. This action replaces the existing security groups with the specified security groups.

Usage

```
ec2_apply_security_groups_to_client_vpn_target_network(
  ClientVpnEndpointId,
  VpcId,
  SecurityGroupId,
  DryRun = NULL,
  simplify = TRUE,
  others = list(),
  print_on_error = aws_get_print_on_error(),
  retry_time = aws_get_retry_time(),
  network_timeout = aws_get_network_timeout(),
  region = aws_get_region()
)
```

Arguments

ClientVpnEndpointId	
	Character. The ID of the Client VPN endpoint.
VpcId	Character. The ID of the VPC in which the associated target network is located.
SecurityGroupId	
	List. The IDs of the security groups to apply to the associated target network.
DryRun	Logical. Checks whether you have the required permissions for the action, without actually making the request,...[optional]
simplify	Logical. Whether to simplify the result and handle nextToken in the response[optional]
others	Named list. The parameters that are not included in the function parameters and need to be added into the request[optional]
print_on_error	Logical. Whether to show an error message when a network error occurs.
retry_time	Integer. Number of retries for a REST request when encounter the network issue. If the request has been sent retry_time times but still not be able to get the response, an error will be thrown.
network_timeout	
	Numeric. Number of seconds to wait for a REST response until giving up. Can not be less than 1 ms.
region	Character. The region of the AWS service.

Value

A list object or a character vector

ClientVpnEndpointId

The ID of the Client VPN endpoint.

VpcId

The ID of the VPC in which the associated target network is located.

SecurityGroupId

The IDs of the security groups to apply to the associated target network. Up to 5 security groups can be applied to an associated target network.

DryRun

Checks whether you have the required permissions for the action, without actually making the request, and provides an error response. If you have the required permissions, the error response is DryRunOperation. Otherwise, it is UnauthorizedOperation.

---

ec2_assign_ipv6_addresses

Assign Ipv6 Addresses

Description

Assign Ipv6 Addresses

Usage

```
ec2_assign_ipv6_addresses(
  NetworkInterfaceId,
  Ipv6AddressCount = NULL,
  Ipv6Addresses = NULL,
  simplify = TRUE,
  others = list(),
  print_on_error = aws_get_print_on_error(),
  retry_time = aws_get_retry_time(),
  network_timeout = aws_get_network_timeout(),
  region = aws_get_region()
)
```

Arguments

NetworkInterfaceId

Character. The ID of the network interface.

Ipv6AddressCount

Integer. The number of additional IPv6 addresses to assign to the network interface.[optional]

Ipv6Addresses   List. One or more specific IPv6 addresses to be assigned to the network interface.[optional]

simplify   Logical. Whether to simplify the result and handle nextToken in the response[optional]

others   Named list. The parameters that are not included in the function parameters and need to be added into the request[optional]

print_on_error Logical. Whether to show an error message when a network error occurs.

retry_time   Integer. Number of retries for a REST request when encounter the network issue. If the request has been sent retry_time times but still not be able to get the response, an error will be thrown.

network_timeout

Numeric. Number of seconds to wait for a REST response until giving up. Can not be less than 1 ms.

region   Character. The region of the AWS service.

Value

A list object or a character vector

NetworkInterfaceId

The ID of the network interface.

Ipv6AddressCount

The number of additional IPv6 addresses to assign to the network interface. The specified number of IPv6 addresses are assigned in addition to the existing IPv6 addresses that are already assigned to the network interface. Amazon EC2 automatically selects the IPv6 addresses from the subnet range. You can\'t use this option if specifying specific IPv6 addresses.

Ipv6Addresses

One or more specific IPv6 addresses to be assigned to the network interface. You can\'t use this option if you\'re specifying a number of IPv6 addresses.

---

ec2_assign_private_ip_addresses
Assign Private Ip Addresses

Description

Assign Private Ip Addresses

Usage

```
ec2_assign_private_ip_addresses(
  NetworkInterfaceId,
  AllowReassignment = NULL,
  PrivateIpAddress = NULL,
  SecondaryPrivateIpAddressCount = NULL,
  simplify = TRUE,
  others = list(),
  print_on_error = aws_get_print_on_error(),
  retry_time = aws_get_retry_time(),
  network_timeout = aws_get_network_timeout(),
  region = aws_get_region()
)
```

Arguments

NetworkInterfaceId

Character. The ID of the network interface.

AllowReassignment

Logical. Indicates whether to allow an IP address that is already assigned to another network interface or...[optional]

PrivateIpAddress

> List. One or more IP addresses to be assigned as a secondary private IP address to the network interface....[optional]

SecondaryPrivateIpAddressCount

> Integer. The number of secondary IP addresses to assign to the network interface.[optional]

simplify   Logical. Whether to simplify the result and handle nextToken in the response[optional]

others   Named list. The parameters that are not included in the function parameters and need to be added into the request[optional]

print_on_error Logical. Whether to show an error message when a network error occurs.

retry_time   Integer. Number of retries for a REST request when encounter the network issue. If the request has been sent retry_time times but still not be able to get the response, an error will be thrown.

network_timeout

> Numeric. Number of seconds to wait for a REST response until giving up. Can not be less than 1 ms.

region   Character. The region of the AWS service.

Value

A list object or a character vector

NetworkInterfaceId

The ID of the network interface.

AllowReassignment

Indicates whether to allow an IP address that is already assigned to another network interface or instance to be reassigned to the specified network interface.

PrivateIpAddress

One or more IP addresses to be assigned as a secondary private IP address to the network interface. You can\'t specify this parameter when also specifying a number of secondary IP addresses.

If you don\'t specify an IP address, Amazon EC2 automatically selects an IP address within the subnet range.

SecondaryPrivateIpAddressCount

The number of secondary IP addresses to assign to the network interface. You can\'t specify this parameter when also specifying private IP addresses.

---

ec2_associate_address   *Associate Address*

Description

Associate Address

Usage

```
ec2_associate_address(
  AllocationId = NULL,
  InstanceId = NULL,
  PublicIp = NULL,
  AllowReassociation = NULL,
  DryRun = NULL,
  NetworkInterfaceId = NULL,
  PrivateIpAddress = NULL,
  simplify = TRUE,
  others = list(),
  print_on_error = aws_get_print_on_error(),
  retry_time = aws_get_retry_time(),
  network_timeout = aws_get_network_timeout(),
  region = aws_get_region()
)
```

Arguments

AllocationId	Character. [EC2-VPC] The allocation ID. This is required for EC2-VPC.[optional]
InstanceId	Character. The ID of the instance.[optional]
PublicIp	Character. [EC2-Classic] The Elastic IP address to associate with the instance.[optional]
AllowReassociation	
	Logical. [EC2-VPC] For a VPC in an EC2-Classic account, specify true to allow an Elastic IP address that...[optional]
DryRun	Logical. Checks whether you have the required permissions for the action, without actually making the request,...[optional]
NetworkInterfaceId	
	Character. [EC2-VPC] The ID of the network interface.[optional]
PrivateIpAddress	
	Character. [EC2-VPC] The primary or secondary private IP address to associate with the Elastic IP address.[optional]
simplify	Logical. Whether to simplify the result and handle nextToken in the response[optional]
others	Named list. The parameters that are not included in the function parameters and need to be added into the request[optional]
print_on_error	Logical. Whether to show an error message when a network error occurs.

`retry_time`	Integer. Number of retries for a REST request when encounter the network issue. If the request has been sent `retry_time` times but still not be able to get the response, an error will be thrown.
`network_timeout`	
	Numeric. Number of seconds to wait for a REST response until giving up. Can not be less than 1 ms.
`region`	Character. The region of the AWS service.

Value

A list object or a character vector

AllocationId

[EC2-VPC] The allocation ID. This is required for EC2-VPC.

InstanceId

The ID of the instance. The instance must have exactly one attached network interface. For EC2-VPC, you can specify either the instance ID or the network interface ID, but not both. For EC2-Classic, you must specify an instance ID and the instance must be in the running state.

PublicIp

[EC2-Classic] The Elastic IP address to associate with the instance. This is required for EC2-Classic.

AllowReassociation

[EC2-VPC] For a VPC in an EC2-Classic account, specify true to allow an Elastic IP address that is already associated with an instance or network interface to be reassociated with the specified instance or network interface. Otherwise, the operation fails. In a VPC in an EC2-VPC-only account, reassociation is automatic, therefore you can specify false to ensure the operation fails if the Elastic IP address is already associated with another resource.

DryRun

Checks whether you have the required permissions for the action, without actually making the request, and provides an error response. If you have the required permissions, the error response is `DryRunOperation`. Otherwise, it is `UnauthorizedOperation`.

NetworkInterfaceId

[EC2-VPC] The ID of the network interface. If the instance has more than one network interface, you must specify a network interface ID.

For EC2-VPC, you can specify either the instance ID or the network interface ID, but not both.

PrivateIpAddress

[EC2-VPC] The primary or secondary private IP address to associate with the Elastic IP address. If no private IP address is specified, the Elastic IP address is associated with the primary private IP address.

---

ec2_associate_client_vpn_target_network

Associate Client Vpn Target Network

Description

Associate Client Vpn Target Network

Usage

```
ec2_associate_client_vpn_target_network(
  ClientVpnEndpointId,
  SubnetId,
  ClientToken = NULL,
  DryRun = NULL,
  simplify = TRUE,
  others = list(),
  print_on_error = aws_get_print_on_error(),
  retry_time = aws_get_retry_time(),
  network_timeout = aws_get_network_timeout(),
  region = aws_get_region()
)
```

Arguments

ClientVpnEndpointId

                Character. The ID of the Client VPN endpoint.

SubnetId   Character. The ID of the subnet to associate with the Client VPN endpoint.

ClientToken   Character. Unique, case-sensitive identifier that you provide to ensure the idempotency of the request.[optional]

DryRun   Logical. Checks whether you have the required permissions for the action, without actually making the request,...[optional]

simplify   Logical. Whether to simplify the result and handle nextToken in the response[optional]

others   Named list. The parameters that are not included in the function parameters and need to be added into the request[optional]

print_on_error Logical. Whether to show an error message when a network error occurs.

retry_time   Integer. Number of retries for a REST request when encounter the network issue. If the request has been sent retry_time times but still not be able to get the response, an error will be thrown.

network_timeout
Numeric. Number of seconds to wait for a REST response until giving up. Can not be less than 1 ms.

region   Character. The region of the AWS service.

Value

A list object or a character vector

ClientVpnEndpointId

The ID of the Client VPN endpoint.

SubnetId

The ID of the subnet to associate with the Client VPN endpoint.

ClientToken

Unique, case-sensitive identifier that you provide to ensure the idempotency of the request. For more information, see How to Ensure Idempotency.

DryRun

Checks whether you have the required permissions for the action, without actually making the request, and provides an error response. If you have the required permissions, the error response is DryRunOperation. Otherwise, it is UnauthorizedOperation.

---

ec2_associate_dhcp_options
Associate Dhcp Options

Description

Associate Dhcp Options

Usage

```
ec2_associate_dhcp_options(
  DhcpOptionsId,
  VpcId,
  DryRun = NULL,
  simplify = TRUE,
  others = list(),
  print_on_error = aws_get_print_on_error(),
  retry_time = aws_get_retry_time(),
  network_timeout = aws_get_network_timeout(),
  region = aws_get_region()
)
```

Arguments

`DhcpOptionsId`	Character. The ID of the DHCP options set, or `default` to associate no DHCP options with the VPC.
`VpcId`	Character. The ID of the VPC.
`DryRun`	Logical. Checks whether you have the required permissions for the action, without actually making the request,...[optional]
`simplify`	Logical. Whether to simplify the result and handle `nextToken` in the response[optional]
`others`	Named list. The parameters that are not included in the function parameters and need to be added into the request[optional]
`print_on_error`	Logical. Whether to show an error message when a network error occurs.
`retry_time`	Integer. Number of retries for a REST request when encounter the network issue. If the request has been sent `retry_time` times but still not be able to get the response, an error will be thrown.
`network_timeout`	
	Numeric. Number of seconds to wait for a REST response until giving up. Can not be less than 1 ms.
`region`	Character. The region of the AWS service.

Value

A list object or a character vector

DhcpOptionsId

The ID of the DHCP options set, or `default` to associate no DHCP options with the VPC.

VpcId

The ID of the VPC.

DryRun

Checks whether you have the required permissions for the action, without actually making the request, and provides an error response. If you have the required permissions, the error response is `DryRunOperation`. Otherwise, it is `UnauthorizedOperation`.

---

ec2_associate_enclave_certificate_iam_role
                    Associate Enclave Certificate Iam Role

Description

Associate Enclave Certificate Iam Role

Usage

```
ec2_associate_enclave_certificate_iam_role(
  CertificateArn = NULL,
  RoleArn = NULL,
  DryRun = NULL,
  simplify = TRUE,
  others = list(),
  print_on_error = aws_get_print_on_error(),
  retry_time = aws_get_retry_time(),
  network_timeout = aws_get_network_timeout(),
  region = aws_get_region()
)
```

Arguments

CertificateArn	Character. The ARN of the ACM certificate with which to associate the IAM role.[optional]
RoleArn	Character. The ARN of the IAM role to associate with the ACM certificate.[optional]
DryRun	Logical. Checks whether you have the required permissions for the action, without actually making the request,...[optional]
simplify	Logical. Whether to simplify the result and handle nextToken in the response[optional]
others	Named list. The parameters that are not included in the function parameters and need to be added into the request[optional]
print_on_error	Logical. Whether to show an error message when a network error occurs.
retry_time	Integer. Number of retries for a REST request when encounter the network issue. If the request has been sent retry_time times but still not be able to get the response, an error will be thrown.
network_timeout	
	Numeric. Number of seconds to wait for a REST response until giving up. Can not be less than 1 ms.
region	Character. The region of the AWS service.

Value

A list object or a character vector

CertificateArn

The ARN of the ACM certificate with which to associate the IAM role.

RoleArn

The ARN of the IAM role to associate with the ACM certificate. You can associate up to 16 IAM roles with an ACM certificate.

DryRun

Checks whether you have the required permissions for the action, without actually making the request, and provides an error response. If you have the required permissions, the error response is `DryRunOperation`. Otherwise, it is `UnauthorizedOperation`.

---

ec2_associate_iam_instance_profile
Associate Iam Instance Profile

Description

Associates an IAM instance profile with a running or stopped instance. You cannot associate more than one IAM instance profile with an instance.

Usage

```
ec2_associate_iam_instance_profile(
  IamInstanceProfile,
  InstanceId,
  simplify = TRUE,
  others = list(),
  print_on_error = aws_get_print_on_error(),
  retry_time = aws_get_retry_time(),
  network_timeout = aws_get_network_timeout(),
  region = aws_get_region()
)
```

Arguments

IamInstanceProfile

> Object. The IAM instance profile.

InstanceId   Character. The ID of the instance.

simplify   Logical. Whether to simplify the result and handle `nextToken` in the response[optional]

others   Named list. The parameters that are not included in the function parameters and need to be added into the request[optional]

print_on_error   Logical. Whether to show an error message when a network error occurs.

retry_time   Integer. Number of retries for a REST request when encounter the network issue. If the request has been sent `retry_time` times but still not be able to get the response, an error will be thrown.

network_timeout

> Numeric. Number of seconds to wait for a REST response until giving up. Can not be less than 1 ms.

region   Character. The region of the AWS service.

Value

A list object or a character vector

IamInstanceProfile

The IAM instance profile.

InstanceId

The ID of the instance.

---

ec2_associate_route_table

Associate Route Table

Description

Associate Route Table

Usage

```
ec2_associate_route_table(
  RouteTableId,
  DryRun = NULL,
  SubnetId = NULL,
  GatewayId = NULL,
  simplify = TRUE,
  others = list(),
  print_on_error = aws_get_print_on_error(),
  retry_time = aws_get_retry_time(),
  network_timeout = aws_get_network_timeout(),
  region = aws_get_region()
)
```

Arguments

RouteTableId	Character. The ID of the route table.
DryRun	Logical. Checks whether you have the required permissions for the action, without actually making the request,...[optional]
SubnetId	Character. The ID of the subnet.[optional]
GatewayId	Character. The ID of the internet gateway or virtual private gateway.[optional]
simplify	Logical. Whether to simplify the result and handle nextToken in the response[optional]
others	Named list. The parameters that are not included in the function parameters and need to be added into the request[optional]
print_on_error	Logical. Whether to show an error message when a network error occurs.

retry_time	Integer. Number of retries for a REST request when encounter the network issue. If the request has been sent `retry_time` times but still not be able to get the response, an error will be thrown.
network_timeout	
	Numeric. Number of seconds to wait for a REST response until giving up. Can not be less than 1 ms.
region	Character. The region of the AWS service.

Value

A list object or a character vector

RouteTableId

The ID of the route table.

DryRun

Checks whether you have the required permissions for the action, without actually making the request, and provides an error response. If you have the required permissions, the error response is `DryRunOperation`. Otherwise, it is `UnauthorizedOperation`.

SubnetId

The ID of the subnet.

GatewayId

The ID of the internet gateway or virtual private gateway.

---

ec2_associate_subnet_cidr_block
                    Associate Subnet Cidr Block

Description

Associates a CIDR block with your subnet. You can only associate a single IPv6 CIDR block with your subnet. An IPv6 CIDR block must have a prefix length of /64.

Usage

```
ec2_associate_subnet_cidr_block(
  SubnetId,
  Ipv6CidrBlock,
  simplify = TRUE,
  others = list(),
  print_on_error = aws_get_print_on_error(),
  retry_time = aws_get_retry_time(),
```

```
    network_timeout = aws_get_network_timeout(),
    region = aws_get_region()
)
```

Arguments

SubnetId	Character. The ID of your subnet.
Ipv6CidrBlock	Character. The IPv6 CIDR block for your subnet. The subnet must have a /64 prefix length.
simplify	Logical. Whether to simplify the result and handle nextToken in the response[optional]
others	Named list. The parameters that are not included in the function parameters and need to be added into the request[optional]
print_on_error	Logical. Whether to show an error message when a network error occurs.
retry_time	Integer. Number of retries for a REST request when encounter the network issue. If the request has been sent retry_time times but still not be able to get the response, an error will be thrown.
network_timeout	
	Numeric. Number of seconds to wait for a REST response until giving up. Can not be less than 1 ms.
region	Character. The region of the AWS service.

Value

A list object or a character vector

SubnetId

The ID of your subnet.

Ipv6CidrBlock

The IPv6 CIDR block for your subnet. The subnet must have a /64 prefix length.

---

ec2_associate_transit_gateway_multicast_domain
Associate Transit Gateway Multicast Domain

Description

Associate Transit Gateway Multicast Domain

Usage

```
ec2_associate_transit_gateway_multicast_domain(
  TransitGatewayMulticastDomainId = NULL,
  TransitGatewayAttachmentId = NULL,
  SubnetIds = NULL,
  DryRun = NULL,
  simplify = TRUE,
  others = list(),
  print_on_error = aws_get_print_on_error(),
  retry_time = aws_get_retry_time(),
  network_timeout = aws_get_network_timeout(),
  region = aws_get_region()
)
```

Arguments

TransitGatewayMulticastDomainId

> Character. The ID of the transit gateway multicast domain.[optional]

TransitGatewayAttachmentId

> Character. The ID of the transit gateway attachment to associate with the transit gateway multicast domain.[optional]

SubnetIds   List. The IDs of the subnets to associate with the transit gateway multicast domain.[optional]

DryRun   Logical. Checks whether you have the required permissions for the action, without actually making the request,...[optional]

simplify   Logical. Whether to simplify the result and handle nextToken in the response[optional]

others   Named list. The parameters that are not included in the function parameters and need to be added into the request[optional]

print_on_error Logical. Whether to show an error message when a network error occurs.

retry_time   Integer. Number of retries for a REST request when encounter the network issue. If the request has been sent retry_time times but still not be able to get the response, an error will be thrown.

network_timeout

> Numeric. Number of seconds to wait for a REST response until giving up. Can not be less than 1 ms.

region   Character. The region of the AWS service.

Value

A list object or a character vector

TransitGatewayMulticastDomainId

The ID of the transit gateway multicast domain.

TransitGatewayAttachmentId

The ID of the transit gateway attachment to associate with the transit gateway multicast domain.

SubnetIds

The IDs of the subnets to associate with the transit gateway multicast domain.

DryRun

Checks whether you have the required permissions for the action, without actually making the request, and provides an error response. If you have the required permissions, the error response is DryRunOperation. Otherwise, it is UnauthorizedOperation.

---

ec2_associate_transit_gateway_route_table
Associate Transit Gateway Route Table

Description

Associates the specified attachment with the specified transit gateway route table. You can associate only one route table with an attachment.

Usage

```
ec2_associate_transit_gateway_route_table(
  TransitGatewayRouteTableId,
  TransitGatewayAttachmentId,
  DryRun = NULL,
  simplify = TRUE,
  others = list(),
  print_on_error = aws_get_print_on_error(),
  retry_time = aws_get_retry_time(),
  network_timeout = aws_get_network_timeout(),
  region = aws_get_region()
)
```

Arguments

TransitGatewayRouteTableId
        Character. The ID of the transit gateway route table.

TransitGatewayAttachmentId
        Character. The ID of the attachment.

DryRun   Logical. Checks whether you have the required permissions for the action, without actually making the request,...[optional]

simplify   Logical. Whether to simplify the result and handle nextToken in the response[optional]

others   Named list. The parameters that are not included in the function parameters and
                    need to be added into the request[optional]

print_on_error Logical. Whether to show an error message when a network error occurs.

retry_time   Integer. Number of retries for a REST request when encounter the network
                    issue. If the request has been sent `retry_time` times but still not be able to get
                    the response, an error will be thrown.

network_timeout
                    Numeric. Number of seconds to wait for a REST response until giving up. Can
                    not be less than 1 ms.

region   Character. The region of the AWS service.

Value

A list object or a character vector

TransitGatewayRouteTableId

The ID of the transit gateway route table.

TransitGatewayAttachmentId

The ID of the attachment.

DryRun

Checks whether you have the required permissions for the action, without actually making the
request, and provides an error response. If you have the required permissions, the error response is
`DryRunOperation`. Otherwise, it is `UnauthorizedOperation`.

---

ec2_associate_vpc_cidr_block
                            Associate Vpc Cidr Block

Description

Associate Vpc Cidr Block

Usage

```
ec2_associate_vpc_cidr_block(
  VpcId,
  AmazonProvidedIpv6CidrBlock = NULL,
  CidrBlock = NULL,
  Ipv6CidrBlockNetworkBorderGroup = NULL,
  Ipv6Pool = NULL,
  Ipv6CidrBlock = NULL,
  simplify = TRUE,
```

```
    others = list(),
    print_on_error = aws_get_print_on_error(),
    retry_time = aws_get_retry_time(),
    network_timeout = aws_get_network_timeout(),
    region = aws_get_region()
)
```

Arguments

VpcId	Character. The ID of the VPC.
AmazonProvidedIpv6CidrBlock	
	Logical. Requests an Amazon-provided IPv6 CIDR block with a /56 prefix length for the VPC.[optional]
CidrBlock	Character. An IPv4 CIDR block to associate with the VPC.[optional]
Ipv6CidrBlockNetworkBorderGroup	
	Character. The name of the location from which we advertise the IPV6 CIDR block.[optional]
Ipv6Pool	Character. The ID of an IPv6 address pool from which to allocate the IPv6 CIDR block.[optional]
Ipv6CidrBlock	Character. An IPv6 CIDR block from the IPv6 address pool.[optional]
simplify	Logical. Whether to simplify the result and handle nextToken in the response[optional]
others	Named list. The parameters that are not included in the function parameters and need to be added into the request[optional]
print_on_error	Logical. Whether to show an error message when a network error occurs.
retry_time	Integer. Number of retries for a REST request when encounter the network issue. If the request has been sent retry_time times but still not be able to get the response, an error will be thrown.
network_timeout	
	Numeric. Number of seconds to wait for a REST response until giving up. Can not be less than 1 ms.
region	Character. The region of the AWS service.

Value

A list object or a character vector

VpcId

The ID of the VPC.

AmazonProvidedIpv6CidrBlock

Requests an Amazon-provided IPv6 CIDR block with a /56 prefix length for the VPC. You cannot specify the range of IPv6 addresses, or the size of the CIDR block.

CidrBlock

An IPv4 CIDR block to associate with the VPC.

Ipv6CidrBlockNetworkBorderGroup

The name of the location from which we advertise the IPV6 CIDR block. Use this parameter to limit the CIDR block to this location.

You must set `AmazonProvidedIpv6CidrBlock` to `true` to use this parameter.

You can have one IPv6 CIDR block association per network border group.

Ipv6Pool

The ID of an IPv6 address pool from which to allocate the IPv6 CIDR block.

Ipv6CidrBlock

An IPv6 CIDR block from the IPv6 address pool. You must also specify `Ipv6Pool` in the request.

To let Amazon choose the IPv6 CIDR block for you, omit this parameter.

---

ec2_attach_classic_link_vpc
Attach Classic Link Vpc

Description

Attach Classic Link Vpc

Usage

```
ec2_attach_classic_link_vpc(
  SecurityGroupId,
  InstanceId,
  VpcId,
  DryRun = NULL,
  simplify = TRUE,
  others = list(),
  print_on_error = aws_get_print_on_error(),
  retry_time = aws_get_retry_time(),
  network_timeout = aws_get_network_timeout(),
  region = aws_get_region()
)
```

Arguments

SecurityGroupId

        List. The ID of one or more of the VPC\'s security groups.

InstanceId   Character. The ID of an EC2-Classic instance to link to the ClassicLink-enabled VPC.

VpcId   Character. The ID of a ClassicLink-enabled VPC.

DryRun   Logical. Checks whether you have the required permissions for the action, without actually making the request,...[optional]

simplify   Logical. Whether to simplify the result and handle nextToken in the response[optional]

others   Named list. The parameters that are not included in the function parameters and need to be added into the request[optional]

print_on_error   Logical. Whether to show an error message when a network error occurs.

retry_time   Integer. Number of retries for a REST request when encounter the network issue. If the request has been sent retry_time times but still not be able to get the response, an error will be thrown.

network_timeout

        Numeric. Number of seconds to wait for a REST response until giving up. Can not be less than 1 ms.

region   Character. The region of the AWS service.

Value

A list object or a character vector

SecurityGroupId

The ID of one or more of the VPC\'s security groups. You cannot specify security groups from a different VPC.

InstanceId

The ID of an EC2-Classic instance to link to the ClassicLink-enabled VPC.

VpcId

The ID of a ClassicLink-enabled VPC.

DryRun

Checks whether you have the required permissions for the action, without actually making the request, and provides an error response. If you have the required permissions, the error response is DryRunOperation. Otherwise, it is UnauthorizedOperation.

```
ec2_attach_internet_gateway
```
Attach Internet Gateway

Description

Attaches an internet gateway or a virtual private gateway to a VPC, enabling connectivity between the internet and the VPC. For more information about your VPC and internet gateway, see the Amazon Virtual Private Cloud User Guide.

Usage

```
ec2_attach_internet_gateway(
  InternetGatewayId,
  VpcId,
  DryRun = NULL,
  simplify = TRUE,
  others = list(),
  print_on_error = aws_get_print_on_error(),
  retry_time = aws_get_retry_time(),
  network_timeout = aws_get_network_timeout(),
  region = aws_get_region()
)
```

Arguments

InternetGatewayId

Character. The ID of the internet gateway.

VpcId   Character. The ID of the VPC.

DryRun   Logical. Checks whether you have the required permissions for the action, without actually making the request,...[optional]

simplify   Logical. Whether to simplify the result and handle nextToken in the response[optional]

others   Named list. The parameters that are not included in the function parameters and need to be added into the request[optional]

print_on_error   Logical. Whether to show an error message when a network error occurs.

retry_time   Integer. Number of retries for a REST request when encounter the network issue. If the request has been sent retry_time times but still not be able to get the response, an error will be thrown.

network_timeout

Numeric. Number of seconds to wait for a REST response until giving up. Can not be less than 1 ms.

region   Character. The region of the AWS service.

Value

A list object or a character vector

InternetGatewayId

The ID of the internet gateway.

VpcId

The ID of the VPC.

DryRun

Checks whether you have the required permissions for the action, without actually making the request, and provides an error response. If you have the required permissions, the error response is `DryRunOperation`. Otherwise, it is `UnauthorizedOperation`.

```
ec2_attach_network_interface
```
Attach Network Interface

Description

Attaches a network interface to an instance.

Usage

```
ec2_attach_network_interface(
  DeviceIndex,
  InstanceId,
  NetworkInterfaceId,
  DryRun = NULL,
  NetworkCardIndex = NULL,
  simplify = TRUE,
  others = list(),
  print_on_error = aws_get_print_on_error(),
  retry_time = aws_get_retry_time(),
  network_timeout = aws_get_network_timeout(),
  region = aws_get_region()
)
```

Arguments

`DeviceIndex`	Integer. The index of the device for the network interface attachment.
`InstanceId`	Character. The ID of the instance.
`NetworkInterfaceId`	
	Character. The ID of the network interface.
`DryRun`	Logical. Checks whether you have the required permissions for the action, without actually making the request,...[optional]

NetworkCardIndex
            Integer. The index of the network card.[optional]

simplify   Logical. Whether to simplify the result and handle `nextToken` in the response[optional]

others   Named list. The parameters that are not included in the function parameters and
                 need to be added into the request[optional]

print_on_error   Logical. Whether to show an error message when a network error occurs.

retry_time   Integer. Number of retries for a REST request when encounter the network
                 issue. If the request has been sent `retry_time` times but still not be able to get
                 the response, an error will be thrown.

network_timeout
            Numeric. Number of seconds to wait for a REST response until giving up. Can
            not be less than 1 ms.

region   Character. The region of the AWS service.

Value

A list object or a character vector

DeviceIndex

The index of the device for the network interface attachment.

InstanceId

The ID of the instance.

NetworkInterfaceId

The ID of the network interface.

DryRun

Checks whether you have the required permissions for the action, without actually making the
request, and provides an error response. If you have the required permissions, the error response is
`DryRunOperation`. Otherwise, it is `UnauthorizedOperation`.

NetworkCardIndex

The index of the network card. Some instance types support multiple network cards. The primary
network interface must be assigned to network card index 0. The default is network card index 0.

ec2_attach_volume *Attach Volume*

Description

Attach Volume

Usage

```
ec2_attach_volume(
  Device,
  InstanceId,
  VolumeId,
  DryRun = NULL,
  simplify = TRUE,
  others = list(),
  print_on_error = aws_get_print_on_error(),
  retry_time = aws_get_retry_time(),
  network_timeout = aws_get_network_timeout(),
  region = aws_get_region()
)
```

Arguments

Device	Character. The device name (for example, /dev/sdh or xvdh).
InstanceId	Character. The ID of the instance.
VolumeId	Character. The ID of the EBS volume. The volume and instance must be within the same Availability Zone.
DryRun	Logical. Checks whether you have the required permissions for the action, without actually making the request,...[optional]
simplify	Logical. Whether to simplify the result and handle nextToken in the response[optional]
others	Named list. The parameters that are not included in the function parameters and need to be added into the request[optional]
print_on_error	Logical. Whether to show an error message when a network error occurs.
retry_time	Integer. Number of retries for a REST request when encounter the network issue. If the request has been sent retry_time times but still not be able to get the response, an error will be thrown.
network_timeout	
	Numeric. Number of seconds to wait for a REST response until giving up. Can not be less than 1 ms.
region	Character. The region of the AWS service.

Value

A list object or a character vector

Device

The device name (for example, /dev/sdh or xvdh).

InstanceId

The ID of the instance.

VolumeId

The ID of the EBS volume. The volume and instance must be within the same Availability Zone.

DryRun

Checks whether you have the required permissions for the action, without actually making the request, and provides an error response. If you have the required permissions, the error response is `DryRunOperation`. Otherwise, it is `UnauthorizedOperation`.

---

ec2_attach_vpn_gateway

Attach Vpn Gateway

Description

Attach Vpn Gateway

Usage

```
ec2_attach_vpn_gateway(
  VpcId,
  VpnGatewayId,
  DryRun = NULL,
  simplify = TRUE,
  others = list(),
  print_on_error = aws_get_print_on_error(),
  retry_time = aws_get_retry_time(),
  network_timeout = aws_get_network_timeout(),
  region = aws_get_region()
)
```

Arguments

VpcId	Character. The ID of the VPC.
VpnGatewayId	Character. The ID of the virtual private gateway.
DryRun	Logical. Checks whether you have the required permissions for the action, without actually making the request,...[optional]
simplify	Logical. Whether to simplify the result and handle nextToken in the response[optional]

others	Named list. The parameters that are not included in the function parameters and need to be added into the request[optional]
print_on_error	Logical. Whether to show an error message when a network error occurs.
retry_time	Integer. Number of retries for a REST request when encounter the network issue. If the request has been sent `retry_time` times but still not be able to get the response, an error will be thrown.
network_timeout	
	Numeric. Number of seconds to wait for a REST response until giving up. Can not be less than 1 ms.
region	Character. The region of the AWS service.

Value

A list object or a character vector

VpcId

The ID of the VPC.

VpnGatewayId

The ID of the virtual private gateway.

DryRun

Checks whether you have the required permissions for the action, without actually making the request, and provides an error response. If you have the required permissions, the error response is `DryRunOperation`. Otherwise, it is `UnauthorizedOperation`.

---

ec2_authorize_client_vpn_ingress

Authorize Client Vpn Ingress

Description

Adds an ingress authorization rule to a Client VPN endpoint. Ingress authorization rules act as firewall rules that grant access to networks. You must configure ingress authorization rules to enable clients to access resources in AWS or on-premises networks.

Usage

```
ec2_authorize_client_vpn_ingress(
  ClientVpnEndpointId,
  TargetNetworkCidr,
  AccessGroupId = NULL,
  AuthorizeAllGroups = NULL,
  Description = NULL,
```

```
    ClientToken = NULL,
    DryRun = NULL,
    simplify = TRUE,
    others = list(),
    print_on_error = aws_get_print_on_error(),
    retry_time = aws_get_retry_time(),
    network_timeout = aws_get_network_timeout(),
    region = aws_get_region()
)
```

Arguments

ClientVpnEndpointId

        Character. The ID of the Client VPN endpoint.

TargetNetworkCidr

        Character. The IPv4 address range, in CIDR notation, of the network for which access is being authorized.

AccessGroupId   Character. The ID of the group to grant access to, for example, the Active Directory group or identity provider...[optional]

AuthorizeAllGroups

        Logical. Indicates whether to grant access to all clients.[optional]

Description   Character. A brief description of the authorization rule.[optional]

ClientToken   Character. Unique, case-sensitive identifier that you provide to ensure the idempotency of the request.[optional]

DryRun   Logical. Checks whether you have the required permissions for the action, without actually making the request,...[optional]

simplify   Logical. Whether to simplify the result and handle nextToken in the response[optional]

others   Named list. The parameters that are not included in the function parameters and need to be added into the request[optional]

print_on_error Logical. Whether to show an error message when a network error occurs.

retry_time   Integer. Number of retries for a REST request when encounter the network issue. If the request has been sent retry_time times but still not be able to get the response, an error will be thrown.

network_timeout

        Numeric. Number of seconds to wait for a REST response until giving up. Can not be less than 1 ms.

region   Character. The region of the AWS service.

Value

A list object or a character vector

ClientVpnEndpointId

The ID of the Client VPN endpoint.

TargetNetworkCidr

The IPv4 address range, in CIDR notation, of the network for which access is being authorized.

AccessGroupId

The ID of the group to grant access to, for example, the Active Directory group or identity provider (IdP) group. Required if `AuthorizeAllGroups` is `false` or not specified.

AuthorizeAllGroups

Indicates whether to grant access to all clients. Specify `true` to grant all clients who successfully establish a VPN connection access to the network. Must be set to `true` if `AccessGroupId` is not specified.

Description

A brief description of the authorization rule.

ClientToken

Unique, case-sensitive identifier that you provide to ensure the idempotency of the request. For more information, see How to Ensure Idempotency.

DryRun

Checks whether you have the required permissions for the action, without actually making the request, and provides an error response. If you have the required permissions, the error response is `DryRunOperation`. Otherwise, it is `UnauthorizedOperation`.

---

ec2_authorize_security_group_egress
Authorize Security Group Egress

Description

Authorize Security Group Egress

Usage

```
ec2_authorize_security_group_egress(
  GroupId,
  DryRun = NULL,
  IpPermissions = NULL,
  CidrIp = NULL,
  FromPort = NULL,
  IpProtocol = NULL,
  ToPort = NULL,
```

```
  SourceSecurityGroupName = NULL,
  SourceSecurityGroupOwnerId = NULL,
  simplify = TRUE,
  others = list(),
  print_on_error = aws_get_print_on_error(),
  retry_time = aws_get_retry_time(),
  network_timeout = aws_get_network_timeout(),
  region = aws_get_region()
)
```

Arguments

GroupId	Character. The ID of the security group.
DryRun	Logical. Checks whether you have the required permissions for the action, without actually making the request,...[optional]
IpPermissions	List. The sets of IP permissions.[optional]
CidrIp	Character. Not supported. Use a set of IP permissions to specify the CIDR.[optional]
FromPort	Integer. Not supported. Use a set of IP permissions to specify the port.[optional]
IpProtocol	Character. Not supported. Use a set of IP permissions to specify the protocol name or number.[optional]
ToPort	Integer. Not supported. Use a set of IP permissions to specify the port.[optional]
SourceSecurityGroupName	
	Character. Not supported. Use a set of IP permissions to specify a destination security group.[optional]
SourceSecurityGroupOwnerId	
	Character. Not supported. Use a set of IP permissions to specify a destination security group.[optional]
simplify	Logical. Whether to simplify the result and handle nextToken in the response[optional]
others	Named list. The parameters that are not included in the function parameters and need to be added into the request[optional]
print_on_error	Logical. Whether to show an error message when a network error occurs.
retry_time	Integer. Number of retries for a REST request when encounter the network issue. If the request has been sent retry_time times but still not be able to get the response, an error will be thrown.
network_timeout	
	Numeric. Number of seconds to wait for a REST response until giving up. Can not be less than 1 ms.
region	Character. The region of the AWS service.

Value

A list object or a character vector

GroupId

The ID of the security group.

DryRun

Checks whether you have the required permissions for the action, without actually making the request, and provides an error response. If you have the required permissions, the error response is `DryRunOperation`. Otherwise, it is `UnauthorizedOperation`.

IpPermissions

The sets of IP permissions. You can\'t specify a destination security group and a CIDR IP address range in the same set of permissions.

CidrIp

Not supported. Use a set of IP permissions to specify the CIDR.

FromPort

Not supported. Use a set of IP permissions to specify the port.

IpProtocol

Not supported. Use a set of IP permissions to specify the protocol name or number.

ToPort

Not supported. Use a set of IP permissions to specify the port.

SourceSecurityGroupName

Not supported. Use a set of IP permissions to specify a destination security group.

SourceSecurityGroupOwnerId

Not supported. Use a set of IP permissions to specify a destination security group.

---

ec2_authorize_security_group_ingress
Authorize Security Group Ingress

Description

Authorize Security Group Ingress

Usage

```
ec2_authorize_security_group_ingress(
  CidrIp = NULL,
  FromPort = NULL,
  GroupId = NULL,
  GroupName = NULL,
  IpPermissions = NULL,
  IpProtocol = NULL,
  SourceSecurityGroupName = NULL,
  SourceSecurityGroupOwnerId = NULL,
  ToPort = NULL,
  DryRun = NULL,
  simplify = TRUE,
  others = list(),
  print_on_error = aws_get_print_on_error(),
  retry_time = aws_get_retry_time(),
  network_timeout = aws_get_network_timeout(),
  region = aws_get_region()
)
```

Arguments

`CidrIp`	Character. The IPv4 address range, in CIDR format.[optional]
`FromPort`	Integer. The start of port range for the TCP and UDP protocols, or an ICMP type number.[optional]
`GroupId`	Character. The ID of the security group.[optional]
`GroupName`	Character. [EC2-Classic, default VPC] The name of the security group.[optional]
`IpPermissions`	List. The sets of IP permissions.[optional]
`IpProtocol`	Character. The IP protocol name (`tcp`, `udp`, `icmp`) or number (see Protocol Numbers)....[optional]
`SourceSecurityGroupName`	
	Character. [EC2-Classic, default VPC] The name of the source security group.[optional]
`SourceSecurityGroupOwnerId`	
	Character. [nondefault VPC] The AWS account ID for the source security group, if the source security group...[optional]
`ToPort`	Integer. The end of port range for the TCP and UDP protocols, or an ICMP code number.[optional]
`DryRun`	Logical. Checks whether you have the required permissions for the action, without actually making the request,...[optional]
`simplify`	Logical. Whether to simplify the result and handle `nextToken` in the response[optional]
`others`	Named list. The parameters that are not included in the function parameters and need to be added into the request[optional]
`print_on_error`	Logical. Whether to show an error message when a network error occurs.

retry_time	Integer. Number of retries for a REST request when encounter the network issue. If the request has been sent `retry_time` times but still not be able to get the response, an error will be thrown.
network_timeout	
	Numeric. Number of seconds to wait for a REST response until giving up. Can not be less than 1 ms.
region	Character. The region of the AWS service.

Value

A list object or a character vector

CidrIp

The IPv4 address range, in CIDR format. You can\'t specify this parameter when specifying a source security group. To specify an IPv6 address range, use a set of IP permissions.

Alternatively, use a set of IP permissions to specify multiple rules and a description for the rule.

FromPort

The start of port range for the TCP and UDP protocols, or an ICMP type number. For the ICMP type number, use -1 to specify all types. If you specify all ICMP types, you must specify all codes.

Alternatively, use a set of IP permissions to specify multiple rules and a description for the rule.

GroupId

The ID of the security group. You must specify either the security group ID or the security group name in the request. For security groups in a nondefault VPC, you must specify the security group ID.

GroupName

[EC2-Classic, default VPC] The name of the security group. You must specify either the security group ID or the security group name in the request.

IpPermissions

The sets of IP permissions.

IpProtocol

The IP protocol name (`tcp`, `udp`, `icmp`) or number (see Protocol Numbers). To specify `icmpv6`, use a set of IP permissions.

[VPC only] Use `-1` to specify all protocols. If you specify `-1` or a protocol other than `tcp`, `udp`, or `icmp`, traffic on all ports is allowed, regardless of any ports you specify.

Alternatively, use a set of IP permissions to specify multiple rules and a description for the rule.

SourceSecurityGroupName

[EC2-Classic, default VPC] The name of the source security group. You can\'t specify this parameter in combination with the following parameters: the CIDR IP address range, the start of the port range, the IP protocol, and the end of the port range. Creates rules that grant full ICMP, UDP, and TCP access. To create a rule with a specific IP protocol and port range, use a set of IP permissions instead. For EC2-VPC, the source security group must be in the same VPC.

SourceSecurityGroupOwnerId

[nondefault VPC] The AWS account ID for the source security group, if the source security group is in a different account. You can\'t specify this parameter in combination with the following parameters: the CIDR IP address range, the IP protocol, the start of the port range, and the end of the port range. Creates rules that grant full ICMP, UDP, and TCP access. To create a rule with a specific IP protocol and port range, use a set of IP permissions instead.

ToPort

The end of port range for the TCP and UDP protocols, or an ICMP code number. For the ICMP code number, use -1 to specify all codes. If you specify all ICMP types, you must specify all codes.

Alternatively, use a set of IP permissions to specify multiple rules and a description for the rule.

DryRun

Checks whether you have the required permissions for the action, without actually making the request, and provides an error response. If you have the required permissions, the error response is DryRunOperation. Otherwise, it is UnauthorizedOperation.

---

ec2_bundle_instance   *Bundle Instance*

Description

Bundle Instance

Usage

```
ec2_bundle_instance(
  InstanceId,
  Storage,
  DryRun = NULL,
  simplify = TRUE,
  others = list(),
  print_on_error = aws_get_print_on_error(),
  retry_time = aws_get_retry_time(),
  network_timeout = aws_get_network_timeout(),
  region = aws_get_region()
)
```

Arguments

InstanceId	Character. The ID of the instance to bundle. Type: String Default: None Required: Yes
Storage	Object. The bucket in which to store the AMI.
DryRun	Logical. Checks whether you have the required permissions for the action, without actually making the request,...[optional]
simplify	Logical. Whether to simplify the result and handle nextToken in the response[optional]
others	Named list. The parameters that are not included in the function parameters and need to be added into the request[optional]
print_on_error	Logical. Whether to show an error message when a network error occurs.
retry_time	Integer. Number of retries for a REST request when encounter the network issue. If the request has been sent retry_time times but still not be able to get the response, an error will be thrown.
network_timeout	
	Numeric. Number of seconds to wait for a REST response until giving up. Can not be less than 1 ms.
region	Character. The region of the AWS service.

Value

A list object or a character vector

InstanceId

The ID of the instance to bundle.

Type: String

Default: None

Required: Yes

Storage

The bucket in which to store the AMI. You can specify a bucket that you already own or a new bucket that Amazon EC2 creates on your behalf. If you specify a bucket that belongs to someone else, Amazon EC2 returns an error.

DryRun

Checks whether you have the required permissions for the action, without actually making the request, and provides an error response. If you have the required permissions, the error response is DryRunOperation. Otherwise, it is UnauthorizedOperation.

---

ec2_cancel_bundle_task

Cancel Bundle Task

Description

Cancels a bundling operation for an instance store-backed Windows instance.

Usage

```
ec2_cancel_bundle_task(
  BundleId,
  DryRun = NULL,
  simplify = TRUE,
  others = list(),
  print_on_error = aws_get_print_on_error(),
  retry_time = aws_get_retry_time(),
  network_timeout = aws_get_network_timeout(),
  region = aws_get_region()
)
```

Arguments

BundleId	Character. The ID of the bundle task.
DryRun	Logical. Checks whether you have the required permissions for the action, without actually making the request,...[optional]
simplify	Logical. Whether to simplify the result and handle nextToken in the response[optional]
others	Named list. The parameters that are not included in the function parameters and need to be added into the request[optional]
print_on_error	Logical. Whether to show an error message when a network error occurs.
retry_time	Integer. Number of retries for a REST request when encounter the network issue. If the request has been sent retry_time times but still not be able to get the response, an error will be thrown.
network_timeout	
	Numeric. Number of seconds to wait for a REST response until giving up. Can not be less than 1 ms.
region	Character. The region of the AWS service.

Value

A list object or a character vector

BundleId

The ID of the bundle task.

DryRun

Checks whether you have the required permissions for the action, without actually making the request, and provides an error response. If you have the required permissions, the error response is `DryRunOperation`. Otherwise, it is `UnauthorizedOperation`.

---

ec2_cancel_capacity_reservation

Cancel Capacity Reservation

Description

Cancel Capacity Reservation

Usage

```
ec2_cancel_capacity_reservation(
  CapacityReservationId,
  DryRun = NULL,
  simplify = TRUE,
  others = list(),
  print_on_error = aws_get_print_on_error(),
  retry_time = aws_get_retry_time(),
  network_timeout = aws_get_network_timeout(),
  region = aws_get_region()
)
```

Arguments

CapacityReservationId

Character. The ID of the Capacity Reservation to be cancelled.

DryRun   Logical. Checks whether you have the required permissions for the action, without actually making the request,...[optional]

simplify   Logical. Whether to simplify the result and handle `nextToken` in the response[optional]

others   Named list. The parameters that are not included in the function parameters and need to be added into the request[optional]

print_on_error Logical. Whether to show an error message when a network error occurs.

retry_time   Integer. Number of retries for a REST request when encounter the network issue. If the request has been sent `retry_time` times but still not be able to get the response, an error will be thrown.

network_timeout

Numeric. Number of seconds to wait for a REST response until giving up. Can not be less than 1 ms.

region   Character. The region of the AWS service.

Value

A list object or a character vector

CapacityReservationId

The ID of the Capacity Reservation to be cancelled.

DryRun

Checks whether you have the required permissions for the action, without actually making the request, and provides an error response. If you have the required permissions, the error response is `DryRunOperation`. Otherwise, it is `UnauthorizedOperation`.

---

ec2_cancel_conversion_task

Cancel Conversion Task

Description

Cancel Conversion Task

Usage

```
ec2_cancel_conversion_task(
  ConversionTaskId,
  DryRun = NULL,
  ReasonMessage = NULL,
  simplify = TRUE,
  others = list(),
  print_on_error = aws_get_print_on_error(),
  retry_time = aws_get_retry_time(),
  network_timeout = aws_get_network_timeout(),
  region = aws_get_region()
)
```

Arguments

ConversionTaskId

Character. The ID of the conversion task.

DryRun   Logical. Checks whether you have the required permissions for the action, without actually making the request,...[optional]

ReasonMessage   Character. The reason for canceling the conversion task.[optional]

simplify   Logical. Whether to simplify the result and handle nextToken in the response[optional]

others   Named list. The parameters that are not included in the function parameters and need to be added into the request[optional]

print_on_error Logical. Whether to show an error message when a network error occurs.

retry_time   Integer. Number of retries for a REST request when encounter the network issue. If the request has been sent `retry_time` times but still not be able to get the response, an error will be thrown.

network_timeout

                  Numeric. Number of seconds to wait for a REST response until giving up. Can not be less than 1 ms.

region   Character. The region of the AWS service.

Value

A list object or a character vector

ConversionTaskId

The ID of the conversion task.

DryRun

Checks whether you have the required permissions for the action, without actually making the request, and provides an error response. If you have the required permissions, the error response is `DryRunOperation`. Otherwise, it is `UnauthorizedOperation`.

ReasonMessage

The reason for canceling the conversion task.

`ec2_cancel_export_task`
                          Cancel Export Task

Description

Cancels an active export task. The request removes all artifacts of the export, including any partially-created Amazon S3 objects. If the export task is complete or is in the process of transferring the final disk image, the command fails and returns an error.

Usage

```
ec2_cancel_export_task(
  ExportTaskId,
  simplify = TRUE,
  others = list(),
  print_on_error = aws_get_print_on_error(),
  retry_time = aws_get_retry_time(),
  network_timeout = aws_get_network_timeout(),
  region = aws_get_region()
)
```

Arguments

ExportTaskId	Character. The ID of the export task. This is the ID returned by `CreateInstanceExportTask`.
simplify	Logical. Whether to simplify the result and handle `nextToken` in the response[optional]
others	Named list. The parameters that are not included in the function parameters and need to be added into the request[optional]
print_on_error	Logical. Whether to show an error message when a network error occurs.
retry_time	Integer. Number of retries for a REST request when encounter the network issue. If the request has been sent `retry_time` times but still not be able to get the response, an error will be thrown.
network_timeout	
	Numeric. Number of seconds to wait for a REST response until giving up. Can not be less than 1 ms.
region	Character. The region of the AWS service.

Value

A list object or a character vector

ExportTaskId

The ID of the export task. This is the ID returned by `CreateInstanceExportTask`.

---

ec2_cancel_import_task

Cancel Import Task

Description

Cancels an in-process import virtual machine or import snapshot task.

Usage

```
ec2_cancel_import_task(
  CancelReason = NULL,
  DryRun = NULL,
  ImportTaskId = NULL,
  simplify = TRUE,
  others = list(),
  print_on_error = aws_get_print_on_error(),
  retry_time = aws_get_retry_time(),
  network_timeout = aws_get_network_timeout(),
  region = aws_get_region()
)
```

Arguments

CancelReason	Character. The reason for canceling the task.[optional]
DryRun	Logical. Checks whether you have the required permissions for the action, without actually making the request,...[optional]
ImportTaskId	Character. The ID of the import image or import snapshot task to be canceled.[optional]
simplify	Logical. Whether to simplify the result and handle nextToken in the response[optional]
others	Named list. The parameters that are not included in the function parameters and need to be added into the request[optional]
print_on_error	Logical. Whether to show an error message when a network error occurs.
retry_time	Integer. Number of retries for a REST request when encounter the network issue. If the request has been sent retry_time times but still not be able to get the response, an error will be thrown.
network_timeout	
	Numeric. Number of seconds to wait for a REST response until giving up. Can not be less than 1 ms.
region	Character. The region of the AWS service.

Value

A list object or a character vector

CancelReason

The reason for canceling the task.

DryRun

Checks whether you have the required permissions for the action, without actually making the request, and provides an error response. If you have the required permissions, the error response is DryRunOperation. Otherwise, it is UnauthorizedOperation.

ImportTaskId

The ID of the import image or import snapshot task to be canceled.

---

ec2_cancel_reserved_instances_listing
Cancel Reserved Instances Listing

Description

Cancel Reserved Instances Listing

Usage

```
ec2_cancel_reserved_instances_listing(
  ReservedInstancesListingId,
  simplify = TRUE,
  others = list(),
  print_on_error = aws_get_print_on_error(),
  retry_time = aws_get_retry_time(),
  network_timeout = aws_get_network_timeout(),
  region = aws_get_region()
)
```

Arguments

ReservedInstancesListingId

Character. The ID of the Reserved Instance listing.

simplify   Logical. Whether to simplify the result and handle nextToken in the response[optional]

others   Named list. The parameters that are not included in the function parameters and need to be added into the request[optional]

print_on_error Logical. Whether to show an error message when a network error occurs.

retry_time   Integer. Number of retries for a REST request when encounter the network issue. If the request has been sent retry_time times but still not be able to get the response, an error will be thrown.

network_timeout

Numeric. Number of seconds to wait for a REST response until giving up. Can not be less than 1 ms.

region   Character. The region of the AWS service.

Value

A list object or a character vector

ReservedInstancesListingId

The ID of the Reserved Instance listing.

---

ec2_cancel_spot_fleet_requests
Cancel Spot Fleet Requests

Description

Cancel Spot Fleet Requests

Usage

```
ec2_cancel_spot_fleet_requests(
  SpotFleetRequestId,
  TerminateInstances,
  DryRun = NULL,
  simplify = TRUE,
  others = list(),
  print_on_error = aws_get_print_on_error(),
  retry_time = aws_get_retry_time(),
  network_timeout = aws_get_network_timeout(),
  region = aws_get_region()
)
```

Arguments

SpotFleetRequestId
>   List. The IDs of the Spot Fleet requests.

TerminateInstances
>   Logical. Indicates whether to terminate instances for a Spot Fleet request if it is
>   canceled successfully.

DryRun   Logical. Checks whether you have the required permissions for the action, with-
>   out actually making the request,...[optional]

simplify   Logical. Whether to simplify the result and handle nextToken in the response[optional]

others   Named list. The parameters that are not included in the function parameters and
>   need to be added into the request[optional]

print_on_error Logical. Whether to show an error message when a network error occurs.

retry_time   Integer. Number of retries for a REST request when encounter the network
>   issue. If the request has been sent retry_time times but still not be able to get
>   the response, an error will be thrown.

network_timeout
>   Numeric. Number of seconds to wait for a REST response until giving up. Can
>   not be less than 1 ms.

region   Character. The region of the AWS service.

Value

A list object or a character vector

SpotFleetRequestId

The IDs of the Spot Fleet requests.

TerminateInstances

Indicates whether to terminate instances for a Spot Fleet request if it is canceled successfully.

DryRun

Checks whether you have the required permissions for the action, without actually making the request, and provides an error response. If you have the required permissions, the error response is `DryRunOperation`. Otherwise, it is `UnauthorizedOperation`.

---

ec2_cancel_spot_instance_requests
Cancel Spot Instance Requests

Description

Cancel Spot Instance Requests

Usage

```
ec2_cancel_spot_instance_requests(
  SpotInstanceRequestId,
  DryRun = NULL,
  simplify = TRUE,
  others = list(),
  print_on_error = aws_get_print_on_error(),
  retry_time = aws_get_retry_time(),
  network_timeout = aws_get_network_timeout(),
  region = aws_get_region()
)
```

Arguments

SpotInstanceRequestId

> List. One or more Spot Instance request IDs.

DryRun   Logical. Checks whether you have the required permissions for the action, without actually making the request,...[optional]

simplify   Logical. Whether to simplify the result and handle `nextToken` in the response[optional]

others   Named list. The parameters that are not included in the function parameters and need to be added into the request[optional]

print_on_error Logical. Whether to show an error message when a network error occurs.

retry_time   Integer. Number of retries for a REST request when encounter the network issue. If the request has been sent `retry_time` times but still not be able to get the response, an error will be thrown.

network_timeout

> Numeric. Number of seconds to wait for a REST response until giving up. Can not be less than 1 ms.

region   Character. The region of the AWS service.

Value

A list object or a character vector

SpotInstanceRequestId

One or more Spot Instance request IDs.

DryRun

Checks whether you have the required permissions for the action, without actually making the request, and provides an error response. If you have the required permissions, the error response is `DryRunOperation`. Otherwise, it is `UnauthorizedOperation`.

```
ec2_confirm_product_instance
```
Confirm Product Instance

Description

Determines whether a product code is associated with an instance. This action can only be used by the owner of the product code. It is useful when a product code owner must verify whether another user\'s instance is eligible for support.

Usage

```
ec2_confirm_product_instance(
  InstanceId,
  ProductCode,
  DryRun = NULL,
  simplify = TRUE,
  others = list(),
  print_on_error = aws_get_print_on_error(),
  retry_time = aws_get_retry_time(),
  network_timeout = aws_get_network_timeout(),
  region = aws_get_region()
)
```

Arguments

InstanceId	Character. The ID of the instance.
ProductCode	Character. The product code. This must be a product code that you own.
DryRun	Logical. Checks whether you have the required permissions for the action, without actually making the request,...[optional]
simplify	Logical. Whether to simplify the result and handle `nextToken` in the response[optional]
others	Named list. The parameters that are not included in the function parameters and need to be added into the request[optional]

print_on_error   Logical. Whether to show an error message when a network error occurs.

retry_time   Integer. Number of retries for a REST request when encounter the network
                  issue. If the request has been sent retry_time times but still not be able to get
                  the response, an error will be thrown.

network_timeout

                  Numeric. Number of seconds to wait for a REST response until giving up. Can
                  not be less than 1 ms.

region   Character. The region of the AWS service.

Value

A list object or a character vector

InstanceId

The ID of the instance.

ProductCode

The product code. This must be a product code that you own.

DryRun

Checks whether you have the required permissions for the action, without actually making the
request, and provides an error response. If you have the required permissions, the error response is
DryRunOperation. Otherwise, it is UnauthorizedOperation.

---

ec2_copy_fpga_image   *Copy Fpga Image*

Description

Copies the specified Amazon FPGA Image (AFI) to the current Region.

Usage

```
ec2_copy_fpga_image(
  SourceFpgaImageId,
  SourceRegion,
  DryRun = NULL,
  Description = NULL,
  Name = NULL,
  ClientToken = NULL,
  simplify = TRUE,
  others = list(),
  print_on_error = aws_get_print_on_error(),
  retry_time = aws_get_retry_time(),
```

```
    network_timeout = aws_get_network_timeout(),
    region = aws_get_region()
)
```

Arguments

SourceFpgaImageId

        Character. The ID of the source AFI.

SourceRegion   Character. The Region that contains the source AFI.

DryRun   Logical. Checks whether you have the required permissions for the action, without actually making the request,...[optional]

Description   Character. The description for the new AFI.[optional]

Name   Character. The name for the new AFI. The default is the name of the source AFI.[optional]

ClientToken   Character. Unique, case-sensitive identifier that you provide to ensure the idempotency of the request.[optional]

simplify   Logical. Whether to simplify the result and handle nextToken in the response[optional]

others   Named list. The parameters that are not included in the function parameters and need to be added into the request[optional]

print_on_error Logical. Whether to show an error message when a network error occurs.

retry_time   Integer. Number of retries for a REST request when encounter the network issue. If the request has been sent retry_time times but still not be able to get the response, an error will be thrown.

network_timeout

        Numeric. Number of seconds to wait for a REST response until giving up. Can not be less than 1 ms.

region   Character. The region of the AWS service.

Value

A list object or a character vector

SourceFpgaImageId

The ID of the source AFI.

SourceRegion

The Region that contains the source AFI.

DryRun

Checks whether you have the required permissions for the action, without actually making the request, and provides an error response. If you have the required permissions, the error response is DryRunOperation. Otherwise, it is UnauthorizedOperation.

Description

The description for the new AFI.

Name

The name for the new AFI. The default is the name of the source AFI.

ClientToken

Unique, case-sensitive identifier that you provide to ensure the idempotency of the request. For more information, see Ensuring Idempotency.

---

ec2_copy_image   *Copy Image*

Description

Copy Image

Usage

```
ec2_copy_image(
  Name,
  SourceImageId,
  SourceRegion,
  ClientToken = NULL,
  Description = NULL,
  Encrypted = NULL,
  KmsKeyId = NULL,
  DestinationOutpostArn = NULL,
  DryRun = NULL,
  simplify = TRUE,
  others = list(),
  print_on_error = aws_get_print_on_error(),
  retry_time = aws_get_retry_time(),
  network_timeout = aws_get_network_timeout(),
  region = aws_get_region()
)
```

Arguments

Name	Character. The name of the new AMI in the destination Region.
SourceImageId	Character. The ID of the AMI to copy.
SourceRegion	Character. The name of the Region that contains the AMI to copy.
ClientToken	Character. Unique, case-sensitive identifier you provide to ensure idempotency of the request.[optional]

Description	Character. A description for the new AMI in the destination Region.[optional]
Encrypted	Logical. Specifies whether the destination snapshots of the copied image should be encrypted.[optional]
KmsKeyId	Character. The identifier of the symmetric AWS Key Management Service (AWS KMS) customer master key (CMK)...[optional]
DestinationOutpostArn	
	Character. The Amazon Resource Name (ARN) of the Outpost to which to copy the AMI.[optional]
DryRun	Logical. Checks whether you have the required permissions for the action, without actually making the request,...[optional]
simplify	Logical. Whether to simplify the result and handle nextToken in the response[optional]
others	Named list. The parameters that are not included in the function parameters and need to be added into the request[optional]
print_on_error	Logical. Whether to show an error message when a network error occurs.
retry_time	Integer. Number of retries for a REST request when encounter the network issue. If the request has been sent retry_time times but still not be able to get the response, an error will be thrown.
network_timeout	
	Numeric. Number of seconds to wait for a REST response until giving up. Can not be less than 1 ms.
region	Character. The region of the AWS service.

Value

A list object or a character vector

Name

The name of the new AMI in the destination Region.

SourceImageId

The ID of the AMI to copy.

SourceRegion

The name of the Region that contains the AMI to copy.

ClientToken

Unique, case-sensitive identifier you provide to ensure idempotency of the request. For more information, see Ensuring idempotency in the *Amazon EC2 API Reference*.

Description

A description for the new AMI in the destination Region.

Encrypted

Specifies whether the destination snapshots of the copied image should be encrypted. You can encrypt a copy of an unencrypted snapshot, but you cannot create an unencrypted copy of an encrypted snapshot. The default CMK for EBS is used unless you specify a non-default AWS Key Management Service (AWS KMS) CMK using `KmsKeyId`. For more information, see Amazon EBS Encryption in the *Amazon Elastic Compute Cloud User Guide*.

KmsKeyId

The identifier of the symmetric AWS Key Management Service (AWS KMS) customer master key (CMK) to use when creating encrypted volumes. If this parameter is not specified, your AWS managed CMK for EBS is used. If you specify a CMK, you must also set the encrypted state to `true`.

You can specify a CMK using any of the following:

- Key ID. For example, 1234abcd-12ab-34cd-56ef-1234567890ab.

- Key alias. For example, alias/ExampleAlias.

- Key ARN. For example, arn:aws:kms:us-east-1:012345678910:key/1234abcd-12ab-34cd-56ef-1234567890ab.

- Alias ARN. For example, arn:aws:kms:us-east-1:012345678910:alias/ExampleAlias.

AWS authenticates the CMK asynchronously. Therefore, if you specify an identifier that is not valid, the action can appear to complete, but eventually fails.

The specified CMK must exist in the destination Region.

Amazon EBS does not support asymmetric CMKs.

DestinationOutpostArn

The Amazon Resource Name (ARN) of the Outpost to which to copy the AMI. Only specify this parameter when copying an AMI from an AWS Region to an Outpost. The AMI must be in the Region of the destination Outpost. You cannot copy an AMI from an Outpost to a Region, from one Outpost to another, or within the same Outpost.

For more information, see Copying AMIs from an AWS Region to an Outpost in the *Amazon Elastic Compute Cloud User Guide*.

DryRun

Checks whether you have the required permissions for the action, without actually making the request, and provides an error response. If you have the required permissions, the error response is `DryRunOperation`. Otherwise, it is `UnauthorizedOperation`.

---

ec2_copy_snapshot *Copy Snapshot*

Description

Copy Snapshot

Usage

```
ec2_copy_snapshot(
  SourceRegion,
  SourceSnapshotId,
  Description = NULL,
  DestinationOutpostArn = NULL,
  DestinationRegion = NULL,
  Encrypted = NULL,
  KmsKeyId = NULL,
  PresignedUrl = NULL,
  TagSpecification = NULL,
  DryRun = NULL,
  simplify = TRUE,
  others = list(),
  print_on_error = aws_get_print_on_error(),
  retry_time = aws_get_retry_time(),
  network_timeout = aws_get_network_timeout(),
  region = aws_get_region()
)
```

Arguments

SourceRegion   Character. The ID of the Region that contains the snapshot to be copied.

SourceSnapshotId

              Character. The ID of the EBS snapshot to copy.

Description   Character. A description for the EBS snapshot.[optional]

DestinationOutpostArn

              Character. The Amazon Resource Name (ARN) of the Outpost to which to copy
              the snapshot.[optional]

DestinationRegion

              Character. The destination Region to use in the `PresignedUrl` parameter of a
              snapshot copy operation.[optional]

Encrypted   Logical. To encrypt a copy of an unencrypted snapshot if encryption by default
              is not enabled, enable encryption...[optional]

KmsKeyId   Character. The identifier of the AWS Key Management Service (AWS KMS)
              customer master key (CMK) to use for...[optional]

PresignedUrl Character. When you copy an encrypted source snapshot using the Amazon EC2
              Query API, you must supply a pre-signed...[optional]

TagSpecification

                List. The tags to apply to the new snapshot.[optional]

DryRun   Logical. Checks whether you have the required permissions for the action, without actually making the request,...[optional]

simplify   Logical. Whether to simplify the result and handle `nextToken` in the response[optional]

others   Named list. The parameters that are not included in the function parameters and need to be added into the request[optional]

print_on_error   Logical. Whether to show an error message when a network error occurs.

retry_time   Integer. Number of retries for a REST request when encounter the network issue. If the request has been sent `retry_time` times but still not be able to get the response, an error will be thrown.

network_timeout

                Numeric. Number of seconds to wait for a REST response until giving up. Can not be less than 1 ms.

region   Character. The region of the AWS service.

Value

A list object or a character vector

SourceRegion

The ID of the Region that contains the snapshot to be copied.

SourceSnapshotId

The ID of the EBS snapshot to copy.

Description

A description for the EBS snapshot.

DestinationOutpostArn

The Amazon Resource Name (ARN) of the Outpost to which to copy the snapshot. Only specify this parameter when copying a snapshot from an AWS Region to an Outpost. The snapshot must be in the Region for the destination Outpost. You cannot copy a snapshot from an Outpost to a Region, from one Outpost to another, or within the same Outpost.

For more information, see Copying snapshots from an AWS Region to an Outpost in the *Amazon Elastic Compute Cloud User Guide*.

DestinationRegion

The destination Region to use in the `PresignedUrl` parameter of a snapshot copy operation. This parameter is only valid for specifying the destination Region in a `PresignedUrl` parameter, where it is required.

The snapshot copy is sent to the regional endpoint that you sent the HTTP request to (for example, ec2.us-east-1.amazonaws.com). With the AWS CLI, this is specified using the `--region` parameter or the default Region in your AWS configuration file.

Encrypted

To encrypt a copy of an unencrypted snapshot if encryption by default is not enabled, enable encryption using this parameter. Otherwise, omit this parameter. Encrypted snapshots are encrypted, even if you omit this parameter and encryption by default is not enabled. You cannot set this parameter to false. For more information, see Amazon EBS encryption in the *Amazon Elastic Compute Cloud User Guide*.

KmsKeyId

The identifier of the AWS Key Management Service (AWS KMS) customer master key (CMK) to use for Amazon EBS encryption. If this parameter is not specified, your AWS managed CMK for EBS is used. If KmsKeyId is specified, the encrypted state must be true.

You can specify the CMK using any of the following:

- Key ID. For example, 1234abcd-12ab-34cd-56ef-1234567890ab.

- Key alias. For example, alias/ExampleAlias.

- Key ARN. For example, arn:aws:kms:us-east-1:012345678910:key/1234abcd-12ab-34cd-56ef-1234567890ab.

- Alias ARN. For example, arn:aws:kms:us-east-1:012345678910:alias/ExampleAlias.

AWS authenticates the CMK asynchronously. Therefore, if you specify an ID, alias, or ARN that is not valid, the action can appear to complete, but eventually fails.

PresignedUrl

When you copy an encrypted source snapshot using the Amazon EC2 Query API, you must supply a pre-signed URL. This parameter is optional for unencrypted snapshots. For more information, see Query requests.

The PresignedUrl should use the snapshot source endpoint, the CopySnapshot action, and include the SourceRegion, SourceSnapshotId, and DestinationRegion parameters. The PresignedUrl must be signed using AWS Signature Version 4. Because EBS snapshots are stored in Amazon S3, the signing algorithm for this parameter uses the same logic that is described in Authenticating Requests: Using Query Parameters (AWS Signature Version 4) in the *Amazon Simple Storage Service API Reference*. An invalid or improperly signed PresignedUrl will cause the copy operation to fail asynchronously, and the snapshot will move to an error state.

TagSpecification

The tags to apply to the new snapshot.

DryRun

Checks whether you have the required permissions for the action, without actually making the request, and provides an error response. If you have the required permissions, the error response is DryRunOperation. Otherwise, it is UnauthorizedOperation.

---

ec2_create_capacity_reservation

Create Capacity Reservation

Description

Create Capacity Reservation

Usage

```
ec2_create_capacity_reservation(
  InstanceType,
  InstancePlatform,
  InstanceCount,
  ClientToken = NULL,
  AvailabilityZone = NULL,
  AvailabilityZoneId = NULL,
  Tenancy = NULL,
  EbsOptimized = NULL,
  EphemeralStorage = NULL,
  EndDate = NULL,
  EndDateType = NULL,
  InstanceMatchCriteria = NULL,
  TagSpecifications = NULL,
  DryRun = NULL,
  simplify = TRUE,
  others = list(),
  print_on_error = aws_get_print_on_error(),
  retry_time = aws_get_retry_time(),
  network_timeout = aws_get_network_timeout(),
  region = aws_get_region()
)
```

Arguments

InstanceType   Character. The instance type for which to reserve capacity.

InstancePlatform
                Character. The type of operating system for which to reserve capacity.

InstanceCount   Integer. The number of instances for which to reserve capacity.

ClientToken   Character. Unique, case-sensitive identifier that you provide to ensure the idempotency of the request.[optional]

AvailabilityZone
                Character. The Availability Zone in which to create the Capacity Reservation.[optional]

AvailabilityZoneId

        Character. The ID of the Availability Zone in which to create the Capacity Reservation.[optional]

Tenancy   Character. Indicates the tenancy of the Capacity Reservation.[optional]

EbsOptimized   Logical. Indicates whether the Capacity Reservation supports EBS-optimized instances.[optional]

EphemeralStorage

        Logical. Indicates whether the Capacity Reservation supports instances with temporary, block-level storage.[optional]

EndDate   Character. The date and time at which the Capacity Reservation expires.[optional]

EndDateType   Character. Indicates the way in which the Capacity Reservation ends.[optional]

InstanceMatchCriteria

        Character. Indicates the type of instance launches that the Capacity Reservation accepts.[optional]

TagSpecifications

        List. The tags to apply to the Capacity Reservation during launch.[optional]

DryRun   Logical. Checks whether you have the required permissions for the action, without actually making the request,...[optional]

simplify   Logical. Whether to simplify the result and handle nextToken in the response[optional]

others   Named list. The parameters that are not included in the function parameters and need to be added into the request[optional]

print_on_error Logical. Whether to show an error message when a network error occurs.

retry_time   Integer. Number of retries for a REST request when encounter the network issue. If the request has been sent retry_time times but still not be able to get the response, an error will be thrown.

network_timeout

        Numeric. Number of seconds to wait for a REST response until giving up. Can not be less than 1 ms.

region   Character. The region of the AWS service.

Value

A list object or a character vector

InstanceType

The instance type for which to reserve capacity. For more information, see Instance types in the *Amazon EC2 User Guide*.

InstancePlatform

The type of operating system for which to reserve capacity.

InstanceCount

The number of instances for which to reserve capacity.

ClientToken

Unique, case-sensitive identifier that you provide to ensure the idempotency of the request. For more information, see Ensure Idempotency.

AvailabilityZone

The Availability Zone in which to create the Capacity Reservation.

AvailabilityZoneId

The ID of the Availability Zone in which to create the Capacity Reservation.

Tenancy

Indicates the tenancy of the Capacity Reservation. A Capacity Reservation can have one of the following tenancy settings:

- `default` - The Capacity Reservation is created on hardware that is shared with other AWS accounts.
- `dedicated` - The Capacity Reservation is created on single-tenant hardware that is dedicated to a single AWS account.

EbsOptimized

Indicates whether the Capacity Reservation supports EBS-optimized instances. This optimization provides dedicated throughput to Amazon EBS and an optimized configuration stack to provide optimal I/O performance. This optimization isn\'t available with all instance types. Additional usage charges apply when using an EBS- optimized instance.

EphemeralStorage

Indicates whether the Capacity Reservation supports instances with temporary, block-level storage.

EndDate

The date and time at which the Capacity Reservation expires. When a Capacity Reservation expires, the reserved capacity is released and you can no longer launch instances into it. The Capacity Reservation\'s state changes to `expired` when it reaches its end date and time.

You must provide an `EndDate` value if `EndDateType` is `limited`. Omit `EndDate` if `EndDateType` is `unlimited`.

If the `EndDateType` is `limited`, the Capacity Reservation is cancelled within an hour from the specified time. For example, if you specify 5/31/2019, 13:30:55, the Capacity Reservation is guaranteed to end between 13:30:55 and 14:30:55 on 5/31/2019.

EndDateType

Indicates the way in which the Capacity Reservation ends. A Capacity Reservation can have one of the following end types:

- unlimited - The Capacity Reservation remains active until you explicitly cancel it. Do not provide an EndDate if the EndDateType is unlimited.

- limited - The Capacity Reservation expires automatically at a specified date and time. You must provide an EndDate value if the EndDateType value is limited.

InstanceMatchCriteria

Indicates the type of instance launches that the Capacity Reservation accepts. The options include:

- open - The Capacity Reservation automatically matches all instances that have matching attributes (instance type, platform, and Availability Zone). Instances that have matching attributes run in the Capacity Reservation automatically without specifying any additional parameters.

- targeted - The Capacity Reservation only accepts instances that have matching attributes (instance type, platform, and Availability Zone), and explicitly target the Capacity Reservation. This ensures that only permitted instances can use the reserved capacity.

Default: open

TagSpecifications

The tags to apply to the Capacity Reservation during launch.

DryRun

Checks whether you have the required permissions for the action, without actually making the request, and provides an error response. If you have the required permissions, the error response is DryRunOperation. Otherwise, it is UnauthorizedOperation.

---

ec2_create_carrier_gateway
Create Carrier Gateway

Description

Creates a carrier gateway. For more information about carrier gateways, see Carrier gateways in the *AWS Wavelength Developer Guide*.

Usage

```
ec2_create_carrier_gateway(
  VpcId,
  TagSpecification = NULL,
  DryRun = NULL,
  ClientToken = NULL,
  simplify = TRUE,
  others = list(),
  print_on_error = aws_get_print_on_error(),
  retry_time = aws_get_retry_time(),
  network_timeout = aws_get_network_timeout(),
  region = aws_get_region()
)
```

Arguments

VpcId	Character. The ID of the VPC to associate with the carrier gateway.
TagSpecification	
	List. The tags to associate with the carrier gateway.[optional]
DryRun	Logical. Checks whether you have the required permissions for the action, without actually making the request,...[optional]
ClientToken	Character. Unique, case-sensitive identifier that you provide to ensure the idempotency of the request.[optional]
simplify	Logical. Whether to simplify the result and handle nextToken in the response[optional]
others	Named list. The parameters that are not included in the function parameters and need to be added into the request[optional]
print_on_error	Logical. Whether to show an error message when a network error occurs.
retry_time	Integer. Number of retries for a REST request when encounter the network issue. If the request has been sent retry_time times but still not be able to get the response, an error will be thrown.
network_timeout	
	Numeric. Number of seconds to wait for a REST response until giving up. Can not be less than 1 ms.
region	Character. The region of the AWS service.

Value

A list object or a character vector

VpcId

The ID of the VPC to associate with the carrier gateway.

TagSpecification

The tags to associate with the carrier gateway.

DryRun

Checks whether you have the required permissions for the action, without actually making the request, and provides an error response. If you have the required permissions, the error response is `DryRunOperation`. Otherwise, it is `UnauthorizedOperation`.

ClientToken

Unique, case-sensitive identifier that you provide to ensure the idempotency of the request. For more information, see How to Ensure Idempotency.

---

ec2_create_client_vpn_endpoint
Create Client Vpn Endpoint

Description

Creates a Client VPN endpoint. A Client VPN endpoint is the resource you create and configure to enable and manage client VPN sessions. It is the destination endpoint at which all client VPN sessions are terminated.

Usage

```
ec2_create_client_vpn_endpoint(
  ClientCidrBlock,
  ServerCertificateArn,
  Authentication,
  ConnectionLogOptions,
  DnsServers = NULL,
  TransportProtocol = NULL,
  VpnPort = NULL,
  Description = NULL,
  SplitTunnel = NULL,
  DryRun = NULL,
  ClientToken = NULL,
  TagSpecification = NULL,
  SecurityGroupId = NULL,
  VpcId = NULL,
  SelfServicePortal = NULL,
  ClientConnectOptions = NULL,
  simplify = TRUE,
  others = list(),
  print_on_error = aws_get_print_on_error(),
  retry_time = aws_get_retry_time(),
  network_timeout = aws_get_network_timeout(),
  region = aws_get_region()
)
```

Arguments

ClientCidrBlock

> Character. The IPv4 address range, in CIDR notation, from which to assign client IP addresses.

ServerCertificateArn

> Character. The ARN of the server certificate.

Authentication List. Information about the authentication method to be used to authenticate clients.

ConnectionLogOptions

> Object. Information about the client connection logging options.

DnsServers   List. Information about the DNS servers to be used for DNS resolution.[optional]

TransportProtocol

> Character. The transport protocol to be used by the VPN session. Default value: udp [optional]

VpnPort   Integer. The port number to assign to the Client VPN endpoint for TCP and UDP traffic.[optional]

Description   Character. A brief description of the Client VPN endpoint.[optional]

SplitTunnel   Logical. Indicates whether split-tunnel is enabled on the AWS Client VPN endpoint.[optional]

DryRun   Logical. Checks whether you have the required permissions for the action, without actually making the request,...[optional]

ClientToken   Character. Unique, case-sensitive identifier that you provide to ensure the idempotency of the request.[optional]

TagSpecification

> List. The tags to apply to the Client VPN endpoint during creation.[optional]

SecurityGroupId

> List. The IDs of one or more security groups to apply to the target network.[optional]

VpcId   Character. The ID of the VPC to associate with the Client VPN endpoint.[optional]

SelfServicePortal

> Character. Specify whether to enable the self-service portal for the Client VPN endpoint.[optional]

ClientConnectOptions

> Object. The options for managing connection authorization for new client connections.[optional]

simplify   Logical. Whether to simplify the result and handle nextToken in the response[optional]

others   Named list. The parameters that are not included in the function parameters and need to be added into the request[optional]

print_on_error Logical. Whether to show an error message when a network error occurs.

retry_time   Integer. Number of retries for a REST request when encounter the network issue. If the request has been sent retry_time times but still not be able to get the response, an error will be thrown.

network_timeout

> Numeric. Number of seconds to wait for a REST response until giving up. Can not be less than 1 ms.

region   Character. The region of the AWS service.

Value

A list object or a character vector

ClientCidrBlock

The IPv4 address range, in CIDR notation, from which to assign client IP addresses. The address range cannot overlap with the local CIDR of the VPC in which the associated subnet is located, or the routes that you add manually. The address range cannot be changed after the Client VPN endpoint has been created. The CIDR block should be /22 or greater.

ServerCertificateArn

The ARN of the server certificate. For more information, see the AWS Certificate Manager User Guide.

Authentication

Information about the authentication method to be used to authenticate clients.

ConnectionLogOptions

Information about the client connection logging options.

If you enable client connection logging, data about client connections is sent to a Cloudwatch Logs log stream. The following information is logged:

- Client connection requests
- Client connection results (successful and unsuccessful)
- Reasons for unsuccessful client connection requests
- Client connection termination time

DnsServers

Information about the DNS servers to be used for DNS resolution. A Client VPN endpoint can have up to two DNS servers. If no DNS server is specified, the DNS address configured on the device is used for the DNS server.

TransportProtocol

The transport protocol to be used by the VPN session.

Default value: udp

VpnPort

The port number to assign to the Client VPN endpoint for TCP and UDP traffic.

Valid Values: 443 \| 1194

Default Value: 443

Description

A brief description of the Client VPN endpoint.

SplitTunnel

Indicates whether split-tunnel is enabled on the AWS Client VPN endpoint.

By default, split-tunnel on a VPN endpoint is disabled.

For information about split-tunnel VPN endpoints, see Split-Tunnel AWS Client VPN Endpoint in the *AWS Client VPN Administrator Guide*.

DryRun

Checks whether you have the required permissions for the action, without actually making the request, and provides an error response. If you have the required permissions, the error response is `DryRunOperation`. Otherwise, it is `UnauthorizedOperation`.

ClientToken

Unique, case-sensitive identifier that you provide to ensure the idempotency of the request. For more information, see How to Ensure Idempotency.

TagSpecification

The tags to apply to the Client VPN endpoint during creation.

SecurityGroupId

The IDs of one or more security groups to apply to the target network. You must also specify the ID of the VPC that contains the security groups.

VpcId

The ID of the VPC to associate with the Client VPN endpoint. If no security group IDs are specified in the request, the default security group for the VPC is applied.

SelfServicePortal

Specify whether to enable the self-service portal for the Client VPN endpoint.

Default Value: `enabled`

ClientConnectOptions

The options for managing connection authorization for new client connections.

ec2_create_client_vpn_route

Create Client Vpn Route

Description

Adds a route to a network to a Client VPN endpoint. Each Client VPN endpoint has a route table that describes the available destination network routes. Each route in the route table specifies the path for tra_c to speci_c resources or networks.

Usage

```
ec2_create_client_vpn_route(
  ClientVpnEndpointId,
  DestinationCidrBlock,
  TargetVpcSubnetId,
  Description = NULL,
  ClientToken = NULL,
  DryRun = NULL,
  simplify = TRUE,
  others = list(),
  print_on_error = aws_get_print_on_error(),
  retry_time = aws_get_retry_time(),
  network_timeout = aws_get_network_timeout(),
  region = aws_get_region()
)
```

Arguments

ClientVpnEndpointId

        Character. The ID of the Client VPN endpoint to which to add the route.

DestinationCidrBlock

        Character. The IPv4 address range, in CIDR notation, of the route destination.

TargetVpcSubnetId

        Character. The ID of the subnet through which you want to route traffic.

Description   Character. A brief description of the route.[optional]

ClientToken   Character. Unique, case-sensitive identifier that you provide to ensure the idempotency of the request.[optional]

DryRun   Logical. Checks whether you have the required permissions for the action, without actually making the request,...[optional]

simplify   Logical. Whether to simplify the result and handle nextToken in the response[optional]

others   Named list. The parameters that are not included in the function parameters and need to be added into the request[optional]

print_on_error Logical. Whether to show an error message when a network error occurs.

retry_time   Integer. Number of retries for a REST request when encounter the network
                  issue. If the request has been sent `retry_time` times but still not be able to get
                  the response, an error will be thrown.

network_timeout

                  Numeric. Number of seconds to wait for a REST response until giving up. Can
                  not be less than 1 ms.

region   Character. The region of the AWS service.

Value

A list object or a character vector

ClientVpnEndpointId

The ID of the Client VPN endpoint to which to add the route.

DestinationCidrBlock

The IPv4 address range, in CIDR notation, of the route destination. For example:

- To add a route for Internet access, enter 0.0.0.0/0

- To add a route for a peered VPC, enter the peered VPC\'s IPv4 CIDR range

- To add a route for an on-premises network, enter the AWS Site-to-Site VPN connection\'s
  IPv4 CIDR range

- To add a route for the local network, enter the client CIDR range

TargetVpcSubnetId

The ID of the subnet through which you want to route traffic. The specified subnet must be an
existing target network of the Client VPN endpoint.

Alternatively, if you\'re adding a route for the local network, specify `local`.

Description

A brief description of the route.

ClientToken

Unique, case-sensitive identifier that you provide to ensure the idempotency of the request. For
more information, see How to Ensure Idempotency.

DryRun

Checks whether you have the required permissions for the action, without actually making the
request, and provides an error response. If you have the required permissions, the error response is
`DryRunOperation`. Otherwise, it is `UnauthorizedOperation`.

ec2_create_customer_gateway

Create Customer Gateway

Description

Create Customer Gateway

Usage

```
ec2_create_customer_gateway(
  BgpAsn,
  Type,
  IpAddress = NULL,
  CertificateArn = NULL,
  TagSpecification = NULL,
  DeviceName = NULL,
  DryRun = NULL,
  simplify = TRUE,
  others = list(),
  print_on_error = aws_get_print_on_error(),
  retry_time = aws_get_retry_time(),
  network_timeout = aws_get_network_timeout(),
  region = aws_get_region()
)
```

Arguments

BgpAsn	Integer. For devices that support BGP, the customer gateway\'s BGP ASN. Default: 65000
Type	Character. The type of VPN connection that this customer gateway supports (ipsec.1).
IpAddress	Character. The Internet-routable IP address for the customer gateway\'s outside interface.[optional]
CertificateArn	Character. The Amazon Resource Name (ARN) for the customer gateway certificate.[optional]
TagSpecification	
	List. The tags to apply to the customer gateway.[optional]
DeviceName	Character. A name for the customer gateway device. Length Constraints: Up to 255 characters. [optional]
DryRun	Logical. Checks whether you have the required permissions for the action, without actually making the request,...[optional]
simplify	Logical. Whether to simplify the result and handle nextToken in the response[optional]
others	Named list. The parameters that are not included in the function parameters and need to be added into the request[optional]

`print_on_error`	Logical. Whether to show an error message when a network error occurs.
`retry_time`	Integer. Number of retries for a REST request when encounter the network issue. If the request has been sent `retry_time` times but still not be able to get the response, an error will be thrown.
`network_timeout`	
	Numeric. Number of seconds to wait for a REST response until giving up. Can not be less than 1 ms.
`region`	Character. The region of the AWS service.

Value

A list object or a character vector

BgpAsn

For devices that support BGP, the customer gateway\'s BGP ASN.

Default: 65000

Type

The type of VPN connection that this customer gateway supports (`ipsec.1`).

IpAddress

The Internet-routable IP address for the customer gateway\'s outside interface. The address must be static.

CertificateArn

The Amazon Resource Name (ARN) for the customer gateway certificate.

TagSpecification

The tags to apply to the customer gateway.

DeviceName

A name for the customer gateway device.

Length Constraints: Up to 255 characters.

DryRun

Checks whether you have the required permissions for the action, without actually making the request, and provides an error response. If you have the required permissions, the error response is `DryRunOperation`. Otherwise, it is `UnauthorizedOperation`.

---

ec2_create_default_subnet

Create Default Subnet

Description

Creates a default subnet with a size /20 IPv4 CIDR block in the specified Availability Zone in your default VPC. You can have only one default subnet per Availability Zone. For more information, see Creating a Default Subnet in the *Amazon Virtual Private Cloud User Guide*.

Usage

```
ec2_create_default_subnet(
  AvailabilityZone,
  DryRun = NULL,
  simplify = TRUE,
  others = list(),
  print_on_error = aws_get_print_on_error(),
  retry_time = aws_get_retry_time(),
  network_timeout = aws_get_network_timeout(),
  region = aws_get_region()
)
```

Arguments

AvailabilityZone

            Character. The Availability Zone in which to create the default subnet.

DryRun   Logical. Checks whether you have the required permissions for the action, without actually making the request,...[optional]

simplify   Logical. Whether to simplify the result and handle nextToken in the response[optional]

others   Named list. The parameters that are not included in the function parameters and need to be added into the request[optional]

print_on_error   Logical. Whether to show an error message when a network error occurs.

retry_time   Integer. Number of retries for a REST request when encounter the network issue. If the request has been sent retry_time times but still not be able to get the response, an error will be thrown.

network_timeout

            Numeric. Number of seconds to wait for a REST response until giving up. Can not be less than 1 ms.

region   Character. The region of the AWS service.

Value

A list object or a character vector

AvailabilityZone

The Availability Zone in which to create the default subnet.

DryRun

Checks whether you have the required permissions for the action, without actually making the request, and provides an error response. If you have the required permissions, the error response is `DryRunOperation`. Otherwise, it is `UnauthorizedOperation`.

---

ec2_create_default_vpc

Create Default Vpc

Description

Create Default Vpc

Usage

```
ec2_create_default_vpc(
  DryRun = NULL,
  simplify = TRUE,
  others = list(),
  print_on_error = aws_get_print_on_error(),
  retry_time = aws_get_retry_time(),
  network_timeout = aws_get_network_timeout(),
  region = aws_get_region()
)
```

Arguments

DryRun	Logical. Checks whether you have the required permissions for the action, without actually making the request,...[optional]
simplify	Logical. Whether to simplify the result and handle `nextToken` in the response[optional]
others	Named list. The parameters that are not included in the function parameters and need to be added into the request[optional]
print_on_error	Logical. Whether to show an error message when a network error occurs.
retry_time	Integer. Number of retries for a REST request when encounter the network issue. If the request has been sent `retry_time` times but still not be able to get the response, an error will be thrown.
network_timeout	Numeric. Number of seconds to wait for a REST response until giving up. Can not be less than 1 ms.
region	Character. The region of the AWS service.

Value

A list object or a character vector

DryRun

Checks whether you have the required permissions for the action, without actually making the request, and provides an error response. If you have the required permissions, the error response is `DryRunOperation`. Otherwise, it is `UnauthorizedOperation`.

```
ec2_create_dhcp_options
```
                    Create Dhcp Options

Description

Create Dhcp Options

Usage

```
ec2_create_dhcp_options(
  DhcpConfiguration,
  TagSpecification = NULL,
  DryRun = NULL,
  simplify = TRUE,
  others = list(),
  print_on_error = aws_get_print_on_error(),
  retry_time = aws_get_retry_time(),
  network_timeout = aws_get_network_timeout(),
  region = aws_get_region()
)
```

Arguments

DhcpConfiguration

> List. A DHCP configuration option.

TagSpecification

> List. The tags to assign to the DHCP option.[optional]

DryRun   Logical. Checks whether you have the required permissions for the action, without actually making the request,...[optional]

simplify   Logical. Whether to simplify the result and handle `nextToken` in the response[optional]

others   Named list. The parameters that are not included in the function parameters and need to be added into the request[optional]

print_on_error Logical. Whether to show an error message when a network error occurs.

retry_time   Integer. Number of retries for a REST request when encounter the network issue. If the request has been sent `retry_time` times but still not be able to get the response, an error will be thrown.

network_timeout

> Numeric. Number of seconds to wait for a REST response until giving up. Can not be less than 1 ms.

region   Character. The region of the AWS service.

Value

A list object or a character vector

DhcpConfiguration

A DHCP configuration option.

TagSpecification

The tags to assign to the DHCP option.

DryRun

Checks whether you have the required permissions for the action, without actually making the request, and provides an error response. If you have the required permissions, the error response is DryRunOperation. Otherwise, it is UnauthorizedOperation.

---

ec2_create_egress_only_internet_gateway
Create Egress Only Internet Gateway

Description

[IPv6 only] Creates an egress-only internet gateway for your VPC. An egress-only internet gateway is used to enable outbound communication over IPv6 from instances in your VPC to the internet, and prevents hosts outside of your VPC from initiating an IPv6 connection with your instance.

Usage

```
ec2_create_egress_only_internet_gateway(
  VpcId,
  ClientToken = NULL,
  DryRun = NULL,
  TagSpecification = NULL,
  simplify = TRUE,
  others = list(),
  print_on_error = aws_get_print_on_error(),
  retry_time = aws_get_retry_time(),
  network_timeout = aws_get_network_timeout(),
  region = aws_get_region()
)
```

Arguments

VpcId	Character. The ID of the VPC for which to create the egress-only internet gateway.
ClientToken	Character. Unique, case-sensitive identifier that you provide to ensure the idempotency of the request.[optional]
DryRun	Logical. Checks whether you have the required permissions for the action, without actually making the request,...[optional]
TagSpecification	
	List. The tags to assign to the egress-only internet gateway.[optional]
simplify	Logical. Whether to simplify the result and handle nextToken in the response[optional]
others	Named list. The parameters that are not included in the function parameters and need to be added into the request[optional]
print_on_error	Logical. Whether to show an error message when a network error occurs.
retry_time	Integer. Number of retries for a REST request when encounter the network issue. If the request has been sent retry_time times but still not be able to get the response, an error will be thrown.
network_timeout	
	Numeric. Number of seconds to wait for a REST response until giving up. Can not be less than 1 ms.
region	Character. The region of the AWS service.

Value

A list object or a character vector

VpcId

The ID of the VPC for which to create the egress-only internet gateway.

ClientToken

Unique, case-sensitive identifier that you provide to ensure the idempotency of the request. For more information, see How to Ensure Idempotency.

DryRun

Checks whether you have the required permissions for the action, without actually making the request, and provides an error response. If you have the required permissions, the error response is DryRunOperation. Otherwise, it is UnauthorizedOperation.

TagSpecification

The tags to assign to the egress-only internet gateway.

ec2_create_fleet   *Create Fleet*

Description

Create Fleet

Usage

```
ec2_create_fleet(
  LaunchTemplateConfigs,
  TargetCapacitySpecification,
  DryRun = NULL,
  ClientToken = NULL,
  SpotOptions = NULL,
  OnDemandOptions = NULL,
  ExcessCapacityTerminationPolicy = NULL,
  TerminateInstancesWithExpiration = NULL,
  Type = NULL,
  ValidFrom = NULL,
  ValidUntil = NULL,
  ReplaceUnhealthyInstances = NULL,
  TagSpecification = NULL,
  simplify = TRUE,
  others = list(),
  print_on_error = aws_get_print_on_error(),
  retry_time = aws_get_retry_time(),
  network_timeout = aws_get_network_timeout(),
  region = aws_get_region()
)
```

Arguments

LaunchTemplateConfigs

> List. The configuration for the EC2 Fleet.

TargetCapacitySpecification

> Object. The number of units to request.

DryRun   Logical. Checks whether you have the required permissions for the action, with-
                out actually making the request,...[optional]

ClientToken   Character. Unique, case-sensitive identifier that you provide to ensure the idem-
                potency of the request.[optional]

SpotOptions   Object. Describes the configuration of Spot Instances in an EC2 Fleet.[optional]

OnDemandOptions

> Object. Describes the configuration of On-Demand Instances in an EC2 Fleet.[optional]

ExcessCapacityTerminationPolicy

> Character. Indicates whether running instances should be terminated if the total target capacity of the EC2...[optional]

TerminateInstancesWithExpiration

> Logical. Indicates whether running instances should be terminated when the EC2 Fleet expires.[optional]

Type Character. The type of request.[optional]

ValidFrom Character. The start date and time of the request, in UTC format (for example, *YYYY-MM-DD*T*HH*:*MM*:*SS*Z)....[optional]

ValidUntil Character. The end date and time of the request, in UTC format (for example, *YYYY-MM-DD*T*HH*:*MM*:*SS*Z)....[optional]

ReplaceUnhealthyInstances

> Logical. Indicates whether EC2 Fleet should replace unhealthy Spot Instances.[optional]

TagSpecification

> List. The key-value pair for tagging the EC2 Fleet request on creation.[optional]

simplify Logical. Whether to simplify the result and handle nextToken in the response[optional]

others Named list. The parameters that are not included in the function parameters and need to be added into the request[optional]

print_on_error Logical. Whether to show an error message when a network error occurs.

retry_time Integer. Number of retries for a REST request when encounter the network issue. If the request has been sent retry_time times but still not be able to get the response, an error will be thrown.

network_timeout

> Numeric. Number of seconds to wait for a REST response until giving up. Can not be less than 1 ms.

region Character. The region of the AWS service.

Value

A list object or a character vector

LaunchTemplateConfigs

The configuration for the EC2 Fleet.

TargetCapacitySpecification

The number of units to request.

DryRun

Checks whether you have the required permissions for the action, without actually making the request, and provides an error response. If you have the required permissions, the error response is DryRunOperation. Otherwise, it is UnauthorizedOperation.

ClientToken

Unique, case-sensitive identifier that you provide to ensure the idempotency of the request. For more information, see Ensuring Idempotency.

SpotOptions

Describes the configuration of Spot Instances in an EC2 Fleet.

OnDemandOptions

Describes the configuration of On-Demand Instances in an EC2 Fleet.

ExcessCapacityTerminationPolicy

Indicates whether running instances should be terminated if the total target capacity of the EC2 Fleet is decreased below the current size of the EC2 Fleet.

TerminateInstancesWithExpiration

Indicates whether running instances should be terminated when the EC2 Fleet expires.

Type

The type of request. The default value is maintain.

- maintain - The EC2 Fleet places an asynchronous request for your desired capacity, and continues to maintain your desired Spot capacity by replenishing interrupted Spot Instances.

- request - The EC2 Fleet places an asynchronous one-time request for your desired capacity, but does submit Spot requests in alternative capacity pools if Spot capacity is unavailable, and does not maintain Spot capacity if Spot Instances are interrupted.

- instant - The EC2 Fleet places a synchronous one-time request for your desired capacity, and returns errors for any instances that could not be launched.

For more information, see EC2 Fleet request types in the *Amazon EC2 User Guide*.

ValidFrom

The start date and time of the request, in UTC format (for example, *YYYY-MM-DD*T*HH*:*MM*:*SS*Z). The default is to start fulfilling the request immediately.

ValidUntil

The end date and time of the request, in UTC format (for example, *YYYY-MM-DD*T*HH*:*MM*:*SS*Z). At this point, no new EC2 Fleet requests are placed or able to fulfill the request. If no value is specified, the request remains until you cancel it.

ReplaceUnhealthyInstances

Indicates whether EC2 Fleet should replace unhealthy Spot Instances. Supported only for fleets of type maintain. For more information, see EC2 Fleet health checks in the *Amazon EC2 User Guide*.

TagSpecification

The key-value pair for tagging the EC2 Fleet request on creation. The value for `ResourceType` must be `fleet`, otherwise the fleet request fails. To tag instances at launch, specify the tags in the launch template. For information about tagging after launch, see Tagging your resources.

`ec2_create_flow_logs`   *Create Flow Logs*

Description

Create Flow Logs

Usage

```
ec2_create_flow_logs(
  ResourceId,
  ResourceType,
  TrafficType,
  DryRun = NULL,
  ClientToken = NULL,
  DeliverLogsPermissionArn = NULL,
  LogGroupName = NULL,
  LogDestinationType = NULL,
  LogDestination = NULL,
  LogFormat = NULL,
  TagSpecification = NULL,
  MaxAggregationInterval = NULL,
  simplify = TRUE,
  others = list(),
  print_on_error = aws_get_print_on_error(),
  retry_time = aws_get_retry_time(),
  network_timeout = aws_get_network_timeout(),
  region = aws_get_region()
)
```

Arguments

`ResourceId`	List. The ID of the subnet, network interface, or VPC for which you want to create a flow log.
`ResourceType`	Character. The type of resource for which to create the flow log.
`TrafficType`	Character. The type of traffic to log.
`DryRun`	Logical. Checks whether you have the required permissions for the action, without actually making the request,...[optional]
`ClientToken`	Character. Unique, case-sensitive identifier that you provide to ensure the idempotency of the request.[optional]

DeliverLogsPermissionArn

        Character. The ARN for the IAM role that permits Amazon EC2 to publish flow
        logs to a CloudWatch Logs log...[optional]

LogGroupName   Character. The name of a new or existing CloudWatch Logs log group where
        Amazon EC2 publishes your flow logs....[optional]

LogDestinationType

        Character. Specifies the type of destination to which the flow log data is to be
        published.[optional]

LogDestination Character. Specifies the destination to which the flow log data is to be pub-
        lished.[optional]

LogFormat   Character. The fields to include in the flow log record, in the order in which they
        should appear.[optional]

TagSpecification

        List. The tags to apply to the flow logs.[optional]

MaxAggregationInterval

        Integer. The maximum interval of time during which a flow of packets is cap-
        tured and aggregated into a flow...[optional]

simplify   Logical. Whether to simplify the result and handle nextToken in the response[optional]

others   Named list. The parameters that are not included in the function parameters and
        need to be added into the request[optional]

print_on_error Logical. Whether to show an error message when a network error occurs.

retry_time   Integer. Number of retries for a REST request when encounter the network
        issue. If the request has been sent retry_time times but still not be able to get
        the response, an error will be thrown.

network_timeout

        Numeric. Number of seconds to wait for a REST response until giving up. Can
        not be less than 1 ms.

region   Character. The region of the AWS service.

Value

A list object or a character vector

ResourceId

The ID of the subnet, network interface, or VPC for which you want to create a flow log.

Constraints: Maximum of 1000 resources

ResourceType

The type of resource for which to create the flow log. For example, if you specified a VPC ID for
the ResourceId property, specify VPC for this property.

TrafficType

The type of traffic to log. You can log traffic that the resource accepts or rejects, or all traffic.

DryRun

Checks whether you have the required permissions for the action, without actually making the request, and provides an error response. If you have the required permissions, the error response is `DryRunOperation`. Otherwise, it is `UnauthorizedOperation`.

ClientToken

Unique, case-sensitive identifier that you provide to ensure the idempotency of the request. For more information, see How to Ensure Idempotency.

DeliverLogsPermissionArn

The ARN for the IAM role that permits Amazon EC2 to publish flow logs to a CloudWatch Logs log group in your account.

If you specify `LogDestinationType` as `s3`, do not specify `DeliverLogsPermissionArn` or `LogGroupName`.

LogGroupName

The name of a new or existing CloudWatch Logs log group where Amazon EC2 publishes your flow logs.

If you specify `LogDestinationType` as `s3`, do not specify `DeliverLogsPermissionArn` or `LogGroupName`.

LogDestinationType

Specifies the type of destination to which the flow log data is to be published. Flow log data can be published to CloudWatch Logs or Amazon S3. To publish flow log data to CloudWatch Logs, specify `cloud-watch-logs`. To publish flow log data to Amazon S3, specify `s3`.

If you specify `LogDestinationType` as `s3`, do not specify `DeliverLogsPermissionArn` or `LogGroupName`.

Default: `cloud-watch-logs`

LogDestination

Specifies the destination to which the flow log data is to be published. Flow log data can be published to a CloudWatch Logs log group or an Amazon S3 bucket. The value specified for this parameter depends on the value specified for `LogDestinationType`.

If `LogDestinationType` is not specified or `cloud-watch-logs`, specify the Amazon Resource Name (ARN) of the CloudWatch Logs log group. For example, to publish to a log group called `my-logs`, specify `arn:aws:logs:us-east-1:123456789012:log-group:my-logs`. Alternatively, use `LogGroupName` instead.

If LogDestinationType is s3, specify the ARN of the Amazon S3 bucket. You can also specify a subfolder in the bucket. To specify a subfolder in the bucket, use the following ARN format: bucket_ARN/subfolder_name/. For example, to specify a subfolder named `my-logs` in a bucket named my-bucket, use the following ARN: arn:aws:s3:::my-bucket/my-logs/. You cannot use `AWSLogs` as a subfolder name. This is a reserved term.

LogFormat

The fields to include in the flow log record, in the order in which they should appear. For a list of available fields, see Flow Log Records. If you omit this parameter, the flow log is created using the default format. If you specify this parameter, you must specify at least one field.

Specify the fields using the ${field-id} format, separated by spaces. For the AWS CLI, use single quotation marks (\' \') to surround the parameter value.

TagSpecification

The tags to apply to the flow logs.

MaxAggregationInterval

The maximum interval of time during which a flow of packets is captured and aggregated into a flow log record. You can specify 60 seconds (1 minute) or 600 seconds (10 minutes).

When a network interface is attached to a Nitro-based instance, the aggregation interval is always 60 seconds or less, regardless of the value that you specify.

Default: 600

---

ec2_create_fpga_image   *Create Fpga Image*

Description

Create Fpga Image

Usage

```
ec2_create_fpga_image(
  InputStorageLocation,
  DryRun = NULL,
  LogsStorageLocation = NULL,
  Description = NULL,
  Name = NULL,
  ClientToken = NULL,
  TagSpecification = NULL,
  simplify = TRUE,
  others = list(),
  print_on_error = aws_get_print_on_error(),
  retry_time = aws_get_retry_time(),
  network_timeout = aws_get_network_timeout(),
  region = aws_get_region()
)
```

Arguments

InputStorageLocation

Object. The location of the encrypted design checkpoint in Amazon S3. The input must be a tarball.

DryRun
Logical. Checks whether you have the required permissions for the action, without actually making the request,...[optional]

LogsStorageLocation

Object. The location in Amazon S3 for the output logs.[optional]

Description   Character. A description for the AFI.[optional]

Name   Character. A name for the AFI.[optional]

ClientToken   Character. Unique, case-sensitive identifier that you provide to ensure the idempotency of the request.[optional]

TagSpecification

List. The tags to apply to the FPGA image during creation.[optional]

simplify   Logical. Whether to simplify the result and handle nextToken in the response[optional]

others   Named list. The parameters that are not included in the function parameters and need to be added into the request[optional]

print_on_error Logical. Whether to show an error message when a network error occurs.

retry_time   Integer. Number of retries for a REST request when encounter the network issue. If the request has been sent retry_time times but still not be able to get the response, an error will be thrown.

network_timeout

Numeric. Number of seconds to wait for a REST response until giving up. Can not be less than 1 ms.

region   Character. The region of the AWS service.

Value

A list object or a character vector

InputStorageLocation

The location of the encrypted design checkpoint in Amazon S3. The input must be a tarball.

DryRun

Checks whether you have the required permissions for the action, without actually making the request, and provides an error response. If you have the required permissions, the error response is DryRunOperation. Otherwise, it is UnauthorizedOperation.

LogsStorageLocation

The location in Amazon S3 for the output logs.

Description

A description for the AFI.

Name

A name for the AFI.

ClientToken

Unique, case-sensitive identifier that you provide to ensure the idempotency of the request. For more information, see Ensuring Idempotency.

TagSpecification

The tags to apply to the FPGA image during creation.

`ec2_create_image`	*Create Image*

Description

Create Image

Usage

```
ec2_create_image(
  InstanceId,
  Name,
  BlockDeviceMapping = NULL,
  Description = NULL,
  DryRun = NULL,
  NoReboot = NULL,
  TagSpecification = NULL,
  simplify = TRUE,
  others = list(),
  print_on_error = aws_get_print_on_error(),
  retry_time = aws_get_retry_time(),
  network_timeout = aws_get_network_timeout(),
  region = aws_get_region()
)
```

Arguments

`InstanceId`	Character. The ID of the instance.
`Name`	Character. A name for the new image.
`BlockDeviceMapping`	
	List. The block device mappings.[optional]
`Description`	Character. A description for the new image.[optional]
`DryRun`	Logical. Checks whether you have the required permissions for the action, without actually making the request,...[optional]

NoReboot	Logical. By default, Amazon EC2 attempts to shut down and reboot the instance before creating the image.[optional]
TagSpecification	
	List. The tags to apply to the AMI and snapshots on creation.[optional]
simplify	Logical. Whether to simplify the result and handle nextToken in the response[optional]
others	Named list. The parameters that are not included in the function parameters and need to be added into the request[optional]
print_on_error	Logical. Whether to show an error message when a network error occurs.
retry_time	Integer. Number of retries for a REST request when encounter the network issue. If the request has been sent retry_time times but still not be able to get the response, an error will be thrown.
network_timeout	
	Numeric. Number of seconds to wait for a REST response until giving up. Can not be less than 1 ms.
region	Character. The region of the AWS service.

Value

A list object or a character vector

InstanceId

The ID of the instance.

Name

A name for the new image.

Constraints: 3-128 alphanumeric characters, parentheses (()), square brackets ([]), spaces ( ), periods (.), slashes (/), dashes (-), single quotes (\'), at-signs (@), or underscores(_)

BlockDeviceMapping

The block device mappings. This parameter cannot be used to modify the encryption status of existing volumes or snapshots. To create an AMI with encrypted snapshots, use the CopyImage action.

Description

A description for the new image.

DryRun

Checks whether you have the required permissions for the action, without actually making the request, and provides an error response. If you have the required permissions, the error response is DryRunOperation. Otherwise, it is UnauthorizedOperation.

NoReboot

By default, Amazon EC2 attempts to shut down and reboot the instance before creating the image. If the No Reboot option is set, Amazon EC2 doesn\'t shut down the instance before creating the image. When this option is used, file system integrity on the created image can\'t be guaranteed.

TagSpecification

The tags to apply to the AMI and snapshots on creation. You can tag the AMI, the snapshots, or both.

- To tag the AMI, the value for `ResourceType` must be `image`.

- To tag the snapshots that are created of the root volume and of other EBS volumes that are attached to the instance, the value for `ResourceType` must be `snapshot`. The same tag is applied to all of the snapshots that are created.

If you specify other values for `ResourceType`, the request fails.

To tag an AMI or snapshot after it has been created, see CreateTags.

---

ec2_create_instance_export_task

Create Instance Export Task

Description

Create Instance Export Task

Usage

```
ec2_create_instance_export_task(
  ExportToS3,
  InstanceId,
  TargetEnvironment,
  Description = NULL,
  TagSpecification = NULL,
  simplify = TRUE,
  others = list(),
  print_on_error = aws_get_print_on_error(),
  retry_time = aws_get_retry_time(),
  network_timeout = aws_get_network_timeout(),
  region = aws_get_region()
)
```

Arguments

ExportToS3	Object. The format and location for an export instance task.
InstanceId	Character. The ID of the instance.
TargetEnvironment	
	Character. The target virtualization environment.
Description	Character. A description for the conversion task or the resource being exported.[optional]
TagSpecification	
	List. The tags to apply to the export instance task during creation.[optional]
simplify	Logical. Whether to simplify the result and handle nextToken in the response[optional]
others	Named list. The parameters that are not included in the function parameters and need to be added into the request[optional]
print_on_error	Logical. Whether to show an error message when a network error occurs.
retry_time	Integer. Number of retries for a REST request when encounter the network issue. If the request has been sent retry_time times but still not be able to get the response, an error will be thrown.
network_timeout	
	Numeric. Number of seconds to wait for a REST response until giving up. Can not be less than 1 ms.
region	Character. The region of the AWS service.

Value

A list object or a character vector

ExportToS3

The format and location for an export instance task.

InstanceId

The ID of the instance.

TargetEnvironment

The target virtualization environment.

Description

A description for the conversion task or the resource being exported. The maximum length is 255 characters.

TagSpecification

The tags to apply to the export instance task during creation.

ec2_create_internet_gateway

Create Internet Gateway

Description

Create Internet Gateway

Usage

```
ec2_create_internet_gateway(
  TagSpecification = NULL,
  DryRun = NULL,
  simplify = TRUE,
  others = list(),
  print_on_error = aws_get_print_on_error(),
  retry_time = aws_get_retry_time(),
  network_timeout = aws_get_network_timeout(),
  region = aws_get_region()
)
```

Arguments

TagSpecification

> List. The tags to assign to the internet gateway.[optional]

DryRun
> Logical. Checks whether you have the required permissions for the action, without actually making the request,...[optional]

simplify
> Logical. Whether to simplify the result and handle nextToken in the response[optional]

others
> Named list. The parameters that are not included in the function parameters and need to be added into the request[optional]

print_on_error
> Logical. Whether to show an error message when a network error occurs.

retry_time
> Integer. Number of retries for a REST request when encounter the network issue. If the request has been sent retry_time times but still not be able to get the response, an error will be thrown.

network_timeout

> Numeric. Number of seconds to wait for a REST response until giving up. Can not be less than 1 ms.

region
> Character. The region of the AWS service.

Value

A list object or a character vector

TagSpecification

The tags to assign to the internet gateway.

DryRun

Checks whether you have the required permissions for the action, without actually making the request, and provides an error response. If you have the required permissions, the error response is `DryRunOperation`. Otherwise, it is `UnauthorizedOperation`.

---

ec2_create_key_pair   *Create Key Pair*

Description

Create Key Pair

Usage

```
ec2_create_key_pair(
  KeyName,
  DryRun = NULL,
  TagSpecification = NULL,
  simplify = TRUE,
  others = list(),
  print_on_error = aws_get_print_on_error(),
  retry_time = aws_get_retry_time(),
  network_timeout = aws_get_network_timeout(),
  region = aws_get_region()
)
```

Arguments

KeyName	Character. A unique name for the key pair. Constraints: Up to 255 ASCII characters
DryRun	Logical. Checks whether you have the required permissions for the action, without actually making the request,...[optional]
TagSpecification	
	List. The tags to apply to the new key pair.[optional]
simplify	Logical. Whether to simplify the result and handle `nextToken` in the response[optional]
others	Named list. The parameters that are not included in the function parameters and need to be added into the request[optional]
print_on_error	Logical. Whether to show an error message when a network error occurs.
retry_time	Integer. Number of retries for a REST request when encounter the network issue. If the request has been sent `retry_time` times but still not be able to get the response, an error will be thrown.
network_timeout	
	Numeric. Number of seconds to wait for a REST response until giving up. Can not be less than 1 ms.
region	Character. The region of the AWS service.

Value

A list object or a character vector

KeyName

A unique name for the key pair.

Constraints: Up to 255 ASCII characters

DryRun

Checks whether you have the required permissions for the action, without actually making the request, and provides an error response. If you have the required permissions, the error response is `DryRunOperation`. Otherwise, it is `UnauthorizedOperation`.

TagSpecification

The tags to apply to the new key pair.

---

ec2_create_launch_template

Create Launch Template

Description

Creates a launch template. A launch template contains the parameters to launch an instance. When you launch an instance using RunInstances, you can specify a launch template instead of providing the launch parameters in the request. For more information, see Launching an instance from a launch template in the *Amazon Elastic Compute Cloud User Guide*.

Usage

```
ec2_create_launch_template(
  LaunchTemplateName,
  LaunchTemplateData,
  DryRun = NULL,
  ClientToken = NULL,
  VersionDescription = NULL,
  TagSpecification = NULL,
  simplify = TRUE,
  others = list(),
  print_on_error = aws_get_print_on_error(),
  retry_time = aws_get_retry_time(),
  network_timeout = aws_get_network_timeout(),
  region = aws_get_region()
)
```

Arguments

LaunchTemplateName
>
> Character. A name for the launch template.

LaunchTemplateData
>
> Object. The information for the launch template.

DryRun
>
> Logical. Checks whether you have the required permissions for the action, without actually making the request,...[optional]

ClientToken
>
> Character. Unique, case-sensitive identifier you provide to ensure the idempotency of the request.[optional]

VersionDescription
>
> Character. A description for the first version of the launch template.[optional]

TagSpecification
>
> List. The tags to apply to the launch template during creation.[optional]

simplify
>
> Logical. Whether to simplify the result and handle nextToken in the response[optional]

others
>
> Named list. The parameters that are not included in the function parameters and need to be added into the request[optional]

print_on_error
>
> Logical. Whether to show an error message when a network error occurs.

retry_time
>
> Integer. Number of retries for a REST request when encounter the network issue. If the request has been sent retry_time times but still not be able to get the response, an error will be thrown.

network_timeout
>
> Numeric. Number of seconds to wait for a REST response until giving up. Can not be less than 1 ms.

region
>
> Character. The region of the AWS service.

Value

A list object or a character vector

LaunchTemplateName

A name for the launch template.

LaunchTemplateData

The information for the launch template.

DryRun

Checks whether you have the required permissions for the action, without actually making the request, and provides an error response. If you have the required permissions, the error response is DryRunOperation. Otherwise, it is UnauthorizedOperation.

ClientToken

Unique, case-sensitive identifier you provide to ensure the idempotency of the request. For more information, see Ensuring Idempotency.

Constraint: Maximum 128 ASCII characters.

VersionDescription

A description for the first version of the launch template.

TagSpecification

The tags to apply to the launch template during creation.

---

ec2_create_launch_template_version
Create Launch Template Version

Description

Create Launch Template Version

Usage

```
ec2_create_launch_template_version(
  LaunchTemplateData,
  DryRun = NULL,
  ClientToken = NULL,
  LaunchTemplateId = NULL,
  LaunchTemplateName = NULL,
  SourceVersion = NULL,
  VersionDescription = NULL,
  simplify = TRUE,
  others = list(),
  print_on_error = aws_get_print_on_error(),
  retry_time = aws_get_retry_time(),
  network_timeout = aws_get_network_timeout(),
  region = aws_get_region()
)
```

Arguments

LaunchTemplateData

Object. The information for the launch template.

DryRun   Logical. Checks whether you have the required permissions for the action, without actually making the request,...[optional]

ClientToken	Character. Unique, case-sensitive identifier you provide to ensure the idempotency of the request.[optional]
LaunchTemplateId	
	Character. The ID of the launch template.[optional]
LaunchTemplateName	
	Character. The name of the launch template.[optional]
SourceVersion	Character. The version number of the launch template version on which to base the new version.[optional]
VersionDescription	
	Character. A description for the version of the launch template.[optional]
simplify	Logical. Whether to simplify the result and handle nextToken in the response[optional]
others	Named list. The parameters that are not included in the function parameters and need to be added into the request[optional]
print_on_error	Logical. Whether to show an error message when a network error occurs.
retry_time	Integer. Number of retries for a REST request when encounter the network issue. If the request has been sent retry_time times but still not be able to get the response, an error will be thrown.
network_timeout	
	Numeric. Number of seconds to wait for a REST response until giving up. Can not be less than 1 ms.
region	Character. The region of the AWS service.

Value

A list object or a character vector

LaunchTemplateData

The information for the launch template.

DryRun

Checks whether you have the required permissions for the action, without actually making the request, and provides an error response. If you have the required permissions, the error response is DryRunOperation. Otherwise, it is UnauthorizedOperation.

ClientToken

Unique, case-sensitive identifier you provide to ensure the idempotency of the request. For more information, see Ensuring Idempotency.

Constraint: Maximum 128 ASCII characters.

LaunchTemplateId

The ID of the launch template. You must specify either the launch template ID or launch template name in the request.

LaunchTemplateName

The name of the launch template. You must specify either the launch template ID or launch template name in the request.

SourceVersion

The version number of the launch template version on which to base the new version. The new version inherits the same launch parameters as the source version, except for parameters that you specify in `LaunchTemplateData`. Snapshots applied to the block device mapping are ignored when creating a new version unless they are explicitly included.

VersionDescription

A description for the version of the launch template.

---

ec2_create_local_gateway_route

Create Local Gateway Route

Description

Creates a static route for the specified local gateway route table.

Usage

```
ec2_create_local_gateway_route(
  DestinationCidrBlock,
  LocalGatewayRouteTableId,
  LocalGatewayVirtualInterfaceGroupId,
  DryRun = NULL,
  simplify = TRUE,
  others = list(),
  print_on_error = aws_get_print_on_error(),
  retry_time = aws_get_retry_time(),
  network_timeout = aws_get_network_timeout(),
  region = aws_get_region()
)
```

Arguments

DestinationCidrBlock

        Character. The CIDR range used for destination matches.

LocalGatewayRouteTableId

        Character. The ID of the local gateway route table.

LocalGatewayVirtualInterfaceGroupId

        Character. The ID of the virtual interface group.

DryRun	Logical. Checks whether you have the required permissions for the action, without actually making the request,...[optional]
simplify	Logical. Whether to simplify the result and handle nextToken in the response[optional]
others	Named list. The parameters that are not included in the function parameters and need to be added into the request[optional]
print_on_error	Logical. Whether to show an error message when a network error occurs.
retry_time	Integer. Number of retries for a REST request when encounter the network issue. If the request has been sent retry_time times but still not be able to get the response, an error will be thrown.
network_timeout	
	Numeric. Number of seconds to wait for a REST response until giving up. Can not be less than 1 ms.
region	Character. The region of the AWS service.

Value

A list object or a character vector

DestinationCidrBlock

The CIDR range used for destination matches. Routing decisions are based on the most specific match.

LocalGatewayRouteTableId

The ID of the local gateway route table.

LocalGatewayVirtualInterfaceGroupId

The ID of the virtual interface group.

DryRun

Checks whether you have the required permissions for the action, without actually making the request, and provides an error response. If you have the required permissions, the error response is DryRunOperation. Otherwise, it is UnauthorizedOperation.

---

ec2_create_local_gateway_route_table_vpc_association
Create Local Gateway Route Table Vpc Association

Description

Associates the specified VPC with the specified local gateway route table.

Usage

```
ec2_create_local_gateway_route_table_vpc_association(
  LocalGatewayRouteTableId,
  VpcId,
  TagSpecification = NULL,
  DryRun = NULL,
  simplify = TRUE,
  others = list(),
  print_on_error = aws_get_print_on_error(),
  retry_time = aws_get_retry_time(),
  network_timeout = aws_get_network_timeout(),
  region = aws_get_region()
)
```

Arguments

LocalGatewayRouteTableId

>   Character. The ID of the local gateway route table.

VpcId   Character. The ID of the VPC.

TagSpecification

>   List. The tags to assign to the local gateway route table VPC association.[optional]

DryRun   Logical. Checks whether you have the required permissions for the action, with-
                out actually making the request,...[optional]

simplify   Logical. Whether to simplify the result and handle nextToken in the response[optional]

others   Named list. The parameters that are not included in the function parameters and
                need to be added into the request[optional]

print_on_error Logical. Whether to show an error message when a network error occurs.

retry_time   Integer. Number of retries for a REST request when encounter the network
                issue. If the request has been sent retry_time times but still not be able to get
                the response, an error will be thrown.

network_timeout

>   Numeric. Number of seconds to wait for a REST response until giving up. Can
            not be less than 1 ms.

region   Character. The region of the AWS service.

Value

A list object or a character vector

LocalGatewayRouteTableId

The ID of the local gateway route table.

VpcId

The ID of the VPC.

TagSpecification

The tags to assign to the local gateway route table VPC association.

DryRun

Checks whether you have the required permissions for the action, without actually making the request, and provides an error response. If you have the required permissions, the error response is `DryRunOperation`. Otherwise, it is `UnauthorizedOperation`.

```
ec2_create_managed_prefix_list
```
Create Managed Prefix List

Description

Create Managed Prefix List

Usage

```
ec2_create_managed_prefix_list(
  PrefixListName,
  MaxEntries,
  AddressFamily,
  DryRun = NULL,
  Entry = NULL,
  TagSpecification = NULL,
  ClientToken = NULL,
  simplify = TRUE,
  others = list(),
  print_on_error = aws_get_print_on_error(),
  retry_time = aws_get_retry_time(),
  network_timeout = aws_get_network_timeout(),
  region = aws_get_region()
)
```

Arguments

`PrefixListName`	Character. A name for the prefix list.
`MaxEntries`	Integer. The maximum number of entries for the prefix list.
`AddressFamily`	Character. The IP address type. Valid Values: IPv4 | IPv6
`DryRun`	Logical. Checks whether you have the required permissions for the action, without actually making the request,...[optional]
`Entry`	List. One or more entries for the prefix list.[optional]
`TagSpecification`	
	List. The tags to apply to the prefix list during creation.[optional]

ClientToken	Character. Unique, case-sensitive identifier you provide to ensure the idempotency of the request.[optional]
simplify	Logical. Whether to simplify the result and handle `nextToken` in the response[optional]
others	Named list. The parameters that are not included in the function parameters and need to be added into the request[optional]
print_on_error	Logical. Whether to show an error message when a network error occurs.
retry_time	Integer. Number of retries for a REST request when encounter the network issue. If the request has been sent `retry_time` times but still not be able to get the response, an error will be thrown.
network_timeout	
	Numeric. Number of seconds to wait for a REST response until giving up. Can not be less than 1 ms.
region	Character. The region of the AWS service.

Value

A list object or a character vector

PrefixListName

A name for the prefix list.

Constraints: Up to 255 characters in length. The name cannot start with `com.amazonaws`.

MaxEntries

The maximum number of entries for the prefix list.

AddressFamily

The IP address type.

Valid Values: `IPv4 \| IPv6`

DryRun

Checks whether you have the required permissions for the action, without actually making the request, and provides an error response. If you have the required permissions, the error response is `DryRunOperation`. Otherwise, it is `UnauthorizedOperation`.

Entry

One or more entries for the prefix list.

TagSpecification

The tags to apply to the prefix list during creation.

ClientToken

Unique, case-sensitive identifier you provide to ensure the idempotency of the request. For more information, see Ensuring Idempotency.

Constraints: Up to 255 UTF-8 characters in length.

---

ec2_create_nat_gateway

Create Nat Gateway

Description

Creates a NAT gateway in the specified public subnet. This action creates a network interface in the specified subnet with a private IP address from the IP address range of the subnet. Internet-bound traffic from a private subnet can be routed to the NAT gateway, therefore enabling instances in the private subnet to connect to the internet. For more information, see NAT Gateways in the *Amazon Virtual Private Cloud User Guide*.

Usage

```
ec2_create_nat_gateway(
  SubnetId,
  AllocationId,
  ClientToken = NULL,
  DryRun = NULL,
  TagSpecification = NULL,
  simplify = TRUE,
  others = list(),
  print_on_error = aws_get_print_on_error(),
  retry_time = aws_get_retry_time(),
  network_timeout = aws_get_network_timeout(),
  region = aws_get_region()
)
```

Arguments

SubnetId	Character. The subnet in which to create the NAT gateway.
AllocationId	Character. The allocation ID of an Elastic IP address to associate with the NAT gateway.
ClientToken	Character. Unique, case-sensitive identifier that you provide to ensure the idempotency of the request.[optional]
DryRun	Logical. Checks whether you have the required permissions for the action, without actually making the request,...[optional]
TagSpecification	
	List. The tags to assign to the NAT gateway.[optional]
simplify	Logical. Whether to simplify the result and handle nextToken in the response[optional]

others	Named list. The parameters that are not included in the function parameters and need to be added into the request[optional]
print_on_error	Logical. Whether to show an error message when a network error occurs.
retry_time	Integer. Number of retries for a REST request when encounter the network issue. If the request has been sent retry_time times but still not be able to get the response, an error will be thrown.
network_timeout	
	Numeric. Number of seconds to wait for a REST response until giving up. Can not be less than 1 ms.
region	Character. The region of the AWS service.

Value

A list object or a character vector

SubnetId

The subnet in which to create the NAT gateway.

AllocationId

The allocation ID of an Elastic IP address to associate with the NAT gateway. If the Elastic IP address is associated with another resource, you must first disassociate it.

ClientToken

Unique, case-sensitive identifier that you provide to ensure the idempotency of the request. For more information, see How to Ensure Idempotency.

Constraint: Maximum 64 ASCII characters.

DryRun

Checks whether you have the required permissions for the action, without actually making the request, and provides an error response. If you have the required permissions, the error response is DryRunOperation. Otherwise, it is UnauthorizedOperation.

TagSpecification

The tags to assign to the NAT gateway.

ec2_create_network_acl

Create Network Acl

Description

Create Network Acl

Usage

```
ec2_create_network_acl(
  VpcId,
  DryRun = NULL,
  TagSpecification = NULL,
  simplify = TRUE,
  others = list(),
  print_on_error = aws_get_print_on_error(),
  retry_time = aws_get_retry_time(),
  network_timeout = aws_get_network_timeout(),
  region = aws_get_region()
)
```

Arguments

VpcId	Character. The ID of the VPC.
DryRun	Logical. Checks whether you have the required permissions for the action, without actually making the request,...[optional]
TagSpecification	
	List. The tags to assign to the network ACL.[optional]
simplify	Logical. Whether to simplify the result and handle nextToken in the response[optional]
others	Named list. The parameters that are not included in the function parameters and need to be added into the request[optional]
print_on_error	Logical. Whether to show an error message when a network error occurs.
retry_time	Integer. Number of retries for a REST request when encounter the network issue. If the request has been sent retry_time times but still not be able to get the response, an error will be thrown.
network_timeout	
	Numeric. Number of seconds to wait for a REST response until giving up. Can not be less than 1 ms.
region	Character. The region of the AWS service.

Value

A list object or a character vector

VpcId

The ID of the VPC.

DryRun

Checks whether you have the required permissions for the action, without actually making the request, and provides an error response. If you have the required permissions, the error response is `DryRunOperation`. Otherwise, it is `UnauthorizedOperation`.

TagSpecification

The tags to assign to the network ACL.

---

ec2_create_network_acl_entry

Create Network Acl Entry

Description

Create Network Acl Entry

Usage

```
ec2_create_network_acl_entry(
  Egress,
  NetworkAclId,
  Protocol,
  RuleAction,
  RuleNumber,
  CidrBlock = NULL,
  DryRun = NULL,
  Icmp = NULL,
  Ipv6CidrBlock = NULL,
  PortRange = NULL,
  simplify = TRUE,
  others = list(),
  print_on_error = aws_get_print_on_error(),
  retry_time = aws_get_retry_time(),
  network_timeout = aws_get_network_timeout(),
  region = aws_get_region()
)
```

Arguments

Egress	Logical. Indicates whether this is an egress rule (rule is applied to traffic leaving the subnet).
NetworkAclId	Character. The ID of the network ACL.

Protocol	Character. The protocol number.
RuleAction	Character. Indicates whether to allow or deny the traffic that matches the rule.
RuleNumber	Integer. The rule number for the entry (for example, 100).
CidrBlock	Character. The IPv4 network range to allow or deny, in CIDR notation (for example 172.16.0.0/24). We modify...[optional]
DryRun	Logical. Checks whether you have the required permissions for the action, without actually making the request,...[optional]
Icmp	Object. ICMP protocol: The ICMP or ICMPv6 type and code.[optional]
Ipv6CidrBlock	Character. The IPv6 network range to allow or deny, in CIDR notation (for example 2001:db8:1234:1a00::/64).[optional]
PortRange	Object. TCP or UDP protocols: The range of ports the rule applies to.[optional]
simplify	Logical. Whether to simplify the result and handle nextToken in the response[optional]
others	Named list. The parameters that are not included in the function parameters and need to be added into the request[optional]
print_on_error	Logical. Whether to show an error message when a network error occurs.
retry_time	Integer. Number of retries for a REST request when encounter the network issue. If the request has been sent retry_time times but still not be able to get the response, an error will be thrown.
network_timeout	
	Numeric. Number of seconds to wait for a REST response until giving up. Can not be less than 1 ms.
region	Character. The region of the AWS service.

Value

A list object or a character vector

Egress

Indicates whether this is an egress rule (rule is applied to traffic leaving the subnet).

NetworkAclId

The ID of the network ACL.

Protocol

The protocol number. A value of \'-1\' means all protocols. If you specify \'-1\' or a protocol number other than \'6\' (TCP), \'17\' (UDP), or \'1\' (ICMP), traffic on all ports is allowed, regardless of any ports or ICMP types or codes that you specify. If you specify protocol \'58\' (ICMPv6) and specify an IPv4 CIDR block, traffic for all ICMP types and codes allowed, regardless of any that you specify. If you specify protocol \'58\' (ICMPv6) and specify an IPv6 CIDR block, you must specify an ICMP type and code.

RuleAction

Indicates whether to allow or deny the traffic that matches the rule.

RuleNumber

The rule number for the entry (for example, 100). ACL entries are processed in ascending order by rule number.

Constraints: Positive integer from 1 to 32766. The range 32767 to 65535 is reserved for internal use.

CidrBlock

The IPv4 network range to allow or deny, in CIDR notation (for example 172.16.0.0/24). We modify the specified CIDR block to its canonical form; for example, if you specify 100.68.0.18/18, we modify it to 100.68.0.0/18.

DryRun

Checks whether you have the required permissions for the action, without actually making the request, and provides an error response. If you have the required permissions, the error response is DryRunOperation. Otherwise, it is UnauthorizedOperation.

Icmp

ICMP protocol: The ICMP or ICMPv6 type and code. Required if specifying protocol 1 (ICMP) or protocol 58 (ICMPv6) with an IPv6 CIDR block.

Ipv6CidrBlock

The IPv6 network range to allow or deny, in CIDR notation (for example 2001:db8:1234:1a00::/64).

PortRange

TCP or UDP protocols: The range of ports the rule applies to. Required if specifying protocol 6 (TCP) or 17 (UDP).

---

ec2_create_network_insights_path
Create Network Insights Path

Description

Create Network Insights Path

Usage

```
ec2_create_network_insights_path(
  Source,
  Destination,
  Protocol,
  ClientToken,
  SourceIp = NULL,
  DestinationIp = NULL,
  DestinationPort = NULL,
  TagSpecification = NULL,
  DryRun = NULL,
  simplify = TRUE,
  others = list(),
  print_on_error = aws_get_print_on_error(),
  retry_time = aws_get_retry_time(),
  network_timeout = aws_get_network_timeout(),
  region = aws_get_region()
)
```

Arguments

Source	Character. The AWS resource that is the source of the path.
Destination	Character. The AWS resource that is the destination of the path.
Protocol	Character. The protocol.
ClientToken	Character. Unique, case-sensitive identifier that you provide to ensure the idempotency of the request.
SourceIp	Character. The IP address of the AWS resource that is the source of the path.[optional]
DestinationIp	Character. The IP address of the AWS resource that is the destination of the path.[optional]
DestinationPort	
	Integer. The destination port.[optional]
TagSpecification	
	List. The tags to add to the path.[optional]
DryRun	Logical. Checks whether you have the required permissions for the action, without actually making the request,...[optional]
simplify	Logical. Whether to simplify the result and handle nextToken in the response[optional]
others	Named list. The parameters that are not included in the function parameters and need to be added into the request[optional]
print_on_error	Logical. Whether to show an error message when a network error occurs.
retry_time	Integer. Number of retries for a REST request when encounter the network issue. If the request has been sent retry_time times but still not be able to get the response, an error will be thrown.
network_timeout	
	Numeric. Number of seconds to wait for a REST response until giving up. Can not be less than 1 ms.
region	Character. The region of the AWS service.

Value

A list object or a character vector

Source

The AWS resource that is the source of the path.

Destination

The AWS resource that is the destination of the path.

Protocol

The protocol.

ClientToken

Unique, case-sensitive identifier that you provide to ensure the idempotency of the request. For more information, see How to Ensure Idempotency.

SourceIp

The IP address of the AWS resource that is the source of the path.

DestinationIp

The IP address of the AWS resource that is the destination of the path.

DestinationPort

The destination port.

TagSpecification

The tags to add to the path.

DryRun

Checks whether you have the required permissions for the action, without actually making the request, and provides an error response. If you have the required permissions, the error response is `DryRunOperation`. Otherwise, it is `UnauthorizedOperation`.

```
ec2_create_network_interface
```
Create Network Interface

Description

Create Network Interface

Usage

```
ec2_create_network_interface(
  SubnetId,
  Description = NULL,
  DryRun = NULL,
  SecurityGroupId = NULL,
  Ipv6AddressCount = NULL,
  Ipv6Addresses = NULL,
  PrivateIpAddress = NULL,
  PrivateIpAddresses = NULL,
  SecondaryPrivateIpAddressCount = NULL,
  InterfaceType = NULL,
  TagSpecification = NULL,
  simplify = TRUE,
  others = list(),
  print_on_error = aws_get_print_on_error(),
  retry_time = aws_get_retry_time(),
  network_timeout = aws_get_network_timeout(),
  region = aws_get_region()
)
```

Arguments

`SubnetId`	Character. The ID of the subnet to associate with the network interface.
`Description`	Character. A description for the network interface.[optional]
`DryRun`	Logical. Checks whether you have the required permissions for the action, without actually making the request,...[optional]
`SecurityGroupId`	
	List. The IDs of one or more security groups.[optional]
`Ipv6AddressCount`	
	Integer. The number of IPv6 addresses to assign to a network interface.[optional]
`Ipv6Addresses`	List. One or more specific IPv6 addresses from the IPv6 CIDR block range of your subnet.[optional]
`PrivateIpAddress`	
	Character. The primary private IPv4 address of the network interface.[optional]

PrivateIpAddresses

> List. One or more private IPv4 addresses.[optional]

SecondaryPrivateIpAddressCount

> Integer. The number of secondary private IPv4 addresses to assign to a network interface.[optional]

InterfaceType   Character. Indicates the type of network interface.[optional]

TagSpecification

> List. The tags to apply to the new network interface.[optional]

simplify   Logical. Whether to simplify the result and handle nextToken in the response[optional]

others   Named list. The parameters that are not included in the function parameters and need to be added into the request[optional]

print_on_error Logical. Whether to show an error message when a network error occurs.

retry_time   Integer. Number of retries for a REST request when encounter the network issue. If the request has been sent retry_time times but still not be able to get the response, an error will be thrown.

network_timeout

> Numeric. Number of seconds to wait for a REST response until giving up. Can not be less than 1 ms.

region   Character. The region of the AWS service.

Value

A list object or a character vector

SubnetId

The ID of the subnet to associate with the network interface.

Description

A description for the network interface.

DryRun

Checks whether you have the required permissions for the action, without actually making the request, and provides an error response. If you have the required permissions, the error response is DryRunOperation. Otherwise, it is UnauthorizedOperation.

SecurityGroupId

The IDs of one or more security groups.

Ipv6AddressCount

The number of IPv6 addresses to assign to a network interface. Amazon EC2 automatically selects the IPv6 addresses from the subnet range. You can\'t use this option if specifying specific IPv6 addresses. If your subnet has the AssignIpv6AddressOnCreation attribute set to true, you can specify 0 to override this setting.

Ipv6Addresses

One or more specific IPv6 addresses from the IPv6 CIDR block range of your subnet. You can\'t use this option if you\'re specifying a number of IPv6 addresses.

PrivateIpAddress

The primary private IPv4 address of the network interface. If you don\'t specify an IPv4 address, Amazon EC2 selects one for you from the subnet\'s IPv4 CIDR range. If you specify an IP address, you cannot indicate any IP addresses specified in `privateIpAddresses` as primary (only one IP address can be designated as primary).

PrivateIpAddresses

One or more private IPv4 addresses.

SecondaryPrivateIpAddressCount

The number of secondary private IPv4 addresses to assign to a network interface. When you specify a number of secondary IPv4 addresses, Amazon EC2 selects these IP addresses within the subnet\'s IPv4 CIDR range. You can\'t specify this option and specify more than one private IP address using `privateIpAddresses`.

The number of IP addresses you can assign to a network interface varies by instance type. For more information, see IP Addresses Per ENI Per Instance Type in the *Amazon Virtual Private Cloud User Guide*.

InterfaceType

Indicates the type of network interface. To create an Elastic Fabric Adapter (EFA), specify `efa`. For more information, see Elastic Fabric Adapter in the *Amazon Elastic Compute Cloud User Guide*.

TagSpecification

The tags to apply to the new network interface.

---

ec2_create_network_interface_permission
Create Network Interface Permission

Description

Create Network Interface Permission

Usage

```
ec2_create_network_interface_permission(
  NetworkInterfaceId,
  Permission,
  AwsAccountId = NULL,
  AwsService = NULL,
  DryRun = NULL,
  simplify = TRUE,
  others = list(),
  print_on_error = aws_get_print_on_error(),
  retry_time = aws_get_retry_time(),
  network_timeout = aws_get_network_timeout(),
  region = aws_get_region()
)
```

Arguments

NetworkInterfaceId

                Character. The ID of the network interface.

Permission	Character. The type of permission to grant.
AwsAccountId	Character. The AWS account ID.[optional]
AwsService	Character. The AWS service. Currently not supported.[optional]
DryRun	Logical. Checks whether you have the required permissions for the action, without actually making the request,...[optional]
simplify	Logical. Whether to simplify the result and handle nextToken in the response[optional]
others	Named list. The parameters that are not included in the function parameters and need to be added into the request[optional]
print_on_error	Logical. Whether to show an error message when a network error occurs.
retry_time	Integer. Number of retries for a REST request when encounter the network issue. If the request has been sent retry_time times but still not be able to get the response, an error will be thrown.

network_timeout

                Numeric. Number of seconds to wait for a REST response until giving up. Can not be less than 1 ms.

region	Character. The region of the AWS service.

Value

A list object or a character vector

NetworkInterfaceId

The ID of the network interface.

Permission

The type of permission to grant.

AwsAccountId

The AWS account ID.

AwsService

The AWS service. Currently not supported.

DryRun

Checks whether you have the required permissions for the action, without actually making the request, and provides an error response. If you have the required permissions, the error response is `DryRunOperation`. Otherwise, it is `UnauthorizedOperation`.

---

ec2_create_placement_group

Create Placement Group

Description

Create Placement Group

Usage

```
ec2_create_placement_group(
  DryRun = NULL,
  GroupName = NULL,
  Strategy = NULL,
  PartitionCount = NULL,
  TagSpecification = NULL,
  simplify = TRUE,
  others = list(),
  print_on_error = aws_get_print_on_error(),
  retry_time = aws_get_retry_time(),
  network_timeout = aws_get_network_timeout(),
  region = aws_get_region()
)
```

Arguments

`DryRun`	Logical. Checks whether you have the required permissions for the action, without actually making the request,...[optional]
`GroupName`	Character. A name for the placement group.[optional]
`Strategy`	Character. The placement strategy.[optional]
`PartitionCount`	Integer. The number of partitions. Valid only when **Strategy** is set to `partition`.[optional]
`TagSpecification`	
	List. The tags to apply to the new placement group.[optional]

simplify	Logical. Whether to simplify the result and handle `nextToken` in the response[optional]
others	Named list. The parameters that are not included in the function parameters and need to be added into the request[optional]
print_on_error	Logical. Whether to show an error message when a network error occurs.
retry_time	Integer. Number of retries for a REST request when encounter the network issue. If the request has been sent `retry_time` times but still not be able to get the response, an error will be thrown.
network_timeout	
	Numeric. Number of seconds to wait for a REST response until giving up. Can not be less than 1 ms.
region	Character. The region of the AWS service.

Value

A list object or a character vector

DryRun

Checks whether you have the required permissions for the action, without actually making the request, and provides an error response. If you have the required permissions, the error response is `DryRunOperation`. Otherwise, it is `UnauthorizedOperation`.

GroupName

A name for the placement group. Must be unique within the scope of your account for the Region.

Constraints: Up to 255 ASCII characters

Strategy

The placement strategy.

PartitionCount

The number of partitions. Valid only when **Strategy** is set to `partition`.

TagSpecification

The tags to apply to the new placement group.

```
ec2_create_reserved_instances_listing
```
Create Reserved Instances Listing

Description

Create Reserved Instances Listing

Usage

```
ec2_create_reserved_instances_listing(
  ClientToken,
  InstanceCount,
  PriceSchedules,
  ReservedInstancesId,
  simplify = TRUE,
  others = list(),
  print_on_error = aws_get_print_on_error(),
  retry_time = aws_get_retry_time(),
  network_timeout = aws_get_network_timeout(),
  region = aws_get_region()
)
```

Arguments

ClientToken	Character. Unique, case-sensitive identifier you provide to ensure idempotency of your listings.
InstanceCount	Integer. The number of instances that are a part of a Reserved Instance account to be listed in the Reserved...
PriceSchedules	List. A list specifying the price of the Standard Reserved Instance for each month remaining in the Reserved...
ReservedInstancesId	
	Character. The ID of the active Standard Reserved Instance.
simplify	Logical. Whether to simplify the result and handle nextToken in the response[optional]
others	Named list. The parameters that are not included in the function parameters and need to be added into the request[optional]
print_on_error	Logical. Whether to show an error message when a network error occurs.
retry_time	Integer. Number of retries for a REST request when encounter the network issue. If the request has been sent retry_time times but still not be able to get the response, an error will be thrown.
network_timeout	
	Numeric. Number of seconds to wait for a REST response until giving up. Can not be less than 1 ms.
region	Character. The region of the AWS service.

Value

A list object or a character vector

ClientToken

Unique, case-sensitive identifier you provide to ensure idempotency of your listings. This helps avoid duplicate listings. For more information, see Ensuring Idempotency.

InstanceCount

The number of instances that are a part of a Reserved Instance account to be listed in the Reserved Instance Marketplace. This number should be less than or equal to the instance count associated with the Reserved Instance ID specified in this call.

PriceSchedules

A list specifying the price of the Standard Reserved Instance for each month remaining in the Reserved Instance term.

ReservedInstancesId

The ID of the active Standard Reserved Instance.

---

ec2_create_route	*Create Route*

Description

Create Route

Usage

```
ec2_create_route(
  RouteTableId,
  DestinationCidrBlock = NULL,
  DestinationIpv6CidrBlock = NULL,
  DestinationPrefixListId = NULL,
  DryRun = NULL,
  VpcEndpointId = NULL,
  EgressOnlyInternetGatewayId = NULL,
  GatewayId = NULL,
  InstanceId = NULL,
  NatGatewayId = NULL,
  TransitGatewayId = NULL,
  LocalGatewayId = NULL,
  CarrierGatewayId = NULL,
  NetworkInterfaceId = NULL,
```

```
    VpcPeeringConnectionId = NULL,
    simplify = TRUE,
    others = list(),
    print_on_error = aws_get_print_on_error(),
    retry_time = aws_get_retry_time(),
    network_timeout = aws_get_network_timeout(),
    region = aws_get_region()
)
```

Arguments

RouteTableId   Character. The ID of the route table for the route.

DestinationCidrBlock

                Character. The IPv4 CIDR address block used for the destination match.[optional]

DestinationIpv6CidrBlock

                Character. The IPv6 CIDR block used for the destination match.[optional]

DestinationPrefixListId

                Character. The ID of a prefix list used for the destination match.[optional]

DryRun   Logical. Checks whether you have the required permissions for the action, without actually making the request,...[optional]

VpcEndpointId   Character. The ID of a VPC endpoint. Supported for Gateway Load Balancer endpoints only.[optional]

EgressOnlyInternetGatewayId

                Character. [IPv6 traffic only] The ID of an egress-only internet gateway.[optional]

GatewayId   Character. The ID of an internet gateway or virtual private gateway attached to your VPC.[optional]

InstanceId   Character. The ID of a NAT instance in your VPC.[optional]

NatGatewayId   Character. [IPv4 traffic only] The ID of a NAT gateway.[optional]

TransitGatewayId

                Character. The ID of a transit gateway.[optional]

LocalGatewayId Character. The ID of the local gateway.[optional]

CarrierGatewayId

                Character. The ID of the carrier gateway.[optional]

NetworkInterfaceId

                Character. The ID of a network interface.[optional]

VpcPeeringConnectionId

                Character. The ID of a VPC peering connection.[optional]

simplify   Logical. Whether to simplify the result and handle nextToken in the response[optional]

others   Named list. The parameters that are not included in the function parameters and need to be added into the request[optional]

print_on_error Logical. Whether to show an error message when a network error occurs.

retry_time   Integer. Number of retries for a REST request when encounter the network issue. If the request has been sent retry_time times but still not be able to get the response, an error will be thrown.

network_timeout

> Numeric. Number of seconds to wait for a REST response until giving up. Can not be less than 1 ms.

region   Character. The region of the AWS service.

Value

A list object or a character vector

RouteTableId

The ID of the route table for the route.

DestinationCidrBlock

The IPv4 CIDR address block used for the destination match. Routing decisions are based on the most specific match. We modify the specified CIDR block to its canonical form; for example, if you specify 100.68.0.18/18, we modify it to 100.68.0.0/18.

DestinationIpv6CidrBlock

The IPv6 CIDR block used for the destination match. Routing decisions are based on the most specific match.

DestinationPrefixListId

The ID of a prefix list used for the destination match.

DryRun

Checks whether you have the required permissions for the action, without actually making the request, and provides an error response. If you have the required permissions, the error response is DryRunOperation. Otherwise, it is UnauthorizedOperation.

VpcEndpointId

The ID of a VPC endpoint. Supported for Gateway Load Balancer endpoints only.

EgressOnlyInternetGatewayId

[IPv6 traffic only] The ID of an egress-only internet gateway.

GatewayId

The ID of an internet gateway or virtual private gateway attached to your VPC.

InstanceId

The ID of a NAT instance in your VPC. The operation fails if you specify an instance ID unless exactly one network interface is attached.

NatGatewayId

[IPv4 traffic only] The ID of a NAT gateway.

TransitGatewayId

The ID of a transit gateway.

LocalGatewayId

The ID of the local gateway.

CarrierGatewayId

The ID of the carrier gateway.

You can only use this option when the VPC contains a subnet which is associated with a Wavelength Zone.

NetworkInterfaceId

The ID of a network interface.

VpcPeeringConnectionId

The ID of a VPC peering connection.

---

ec2_create_route_table

Create Route Table

Description

Create Route Table

Usage

```
ec2_create_route_table(
  VpcId,
  DryRun = NULL,
  TagSpecification = NULL,
  simplify = TRUE,
  others = list(),
  print_on_error = aws_get_print_on_error(),
  retry_time = aws_get_retry_time(),
  network_timeout = aws_get_network_timeout(),
  region = aws_get_region()
)
```

Arguments

VpcId	Character. The ID of the VPC.
DryRun	Logical. Checks whether you have the required permissions for the action, without actually making the request,...[optional]
TagSpecification	
	List. The tags to assign to the route table.[optional]
simplify	Logical. Whether to simplify the result and handle nextToken in the response[optional]
others	Named list. The parameters that are not included in the function parameters and need to be added into the request[optional]
print_on_error	Logical. Whether to show an error message when a network error occurs.
retry_time	Integer. Number of retries for a REST request when encounter the network issue. If the request has been sent retry_time times but still not be able to get the response, an error will be thrown.
network_timeout	
	Numeric. Number of seconds to wait for a REST response until giving up. Can not be less than 1 ms.
region	Character. The region of the AWS service.

Value

A list object or a character vector

VpcId

The ID of the VPC.

DryRun

Checks whether you have the required permissions for the action, without actually making the request, and provides an error response. If you have the required permissions, the error response is DryRunOperation. Otherwise, it is UnauthorizedOperation.

TagSpecification

The tags to assign to the route table.

---

ec2_create_security_group

Create Security Group

Description

Create Security Group

Usage

```
ec2_create_security_group(
  GroupDescription,
  GroupName,
  VpcId = NULL,
  TagSpecification = NULL,
  DryRun = NULL,
  simplify = TRUE,
  others = list(),
  print_on_error = aws_get_print_on_error(),
  retry_time = aws_get_retry_time(),
  network_timeout = aws_get_network_timeout(),
  region = aws_get_region()
)
```

Arguments

`GroupDescription`

Character. A description for the security group.

`GroupName` Character. The name of the security group.

`VpcId` Character. [EC2-VPC] The ID of the VPC. Required for EC2-VPC.[optional]

`TagSpecification`

List. The tags to assign to the security group.[optional]

`DryRun` Logical. Checks whether you have the required permissions for the action, without actually making the request,...[optional]

`simplify` Logical. Whether to simplify the result and handle `nextToken` in the response[optional]

`others` Named list. The parameters that are not included in the function parameters and need to be added into the request[optional]

`print_on_error` Logical. Whether to show an error message when a network error occurs.

`retry_time` Integer. Number of retries for a REST request when encounter the network issue. If the request has been sent `retry_time` times but still not be able to get the response, an error will be thrown.

`network_timeout`

Numeric. Number of seconds to wait for a REST response until giving up. Can not be less than 1 ms.

`region` Character. The region of the AWS service.

Value

A list object or a character vector

GroupDescription

A description for the security group. This is informational only.

Constraints: Up to 255 characters in length

Constraints for EC2-Classic: ASCII characters

Constraints for EC2-VPC: a-z, A-Z, 0-9, spaces, and ._-:/()\#,@[]+=&;!\$*

GroupName

The name of the security group.

Constraints: Up to 255 characters in length. Cannot start with sg-.

Constraints for EC2-Classic: ASCII characters

Constraints for EC2-VPC: a-z, A-Z, 0-9, spaces, and ._-:/()\#,@[]+=&;!\$*

VpcId

[EC2-VPC] The ID of the VPC. Required for EC2-VPC.

TagSpecification

The tags to assign to the security group.

DryRun

Checks whether you have the required permissions for the action, without actually making the request, and provides an error response. If you have the required permissions, the error response is DryRunOperation. Otherwise, it is UnauthorizedOperation.

---

ec2_create_snapshot   *Create Snapshot*

Description

Create Snapshot

Usage

```
ec2_create_snapshot(
  VolumeId,
  Description = NULL,
  OutpostArn = NULL,
  TagSpecification = NULL,
  DryRun = NULL,
  simplify = TRUE,
  others = list(),
  print_on_error = aws_get_print_on_error(),
  retry_time = aws_get_retry_time(),
  network_timeout = aws_get_network_timeout(),
  region = aws_get_region()
)
```

Arguments

VolumeId	Character. The ID of the EBS volume.
Description	Character. A description for the snapshot.[optional]
OutpostArn	Character. The Amazon Resource Name (ARN) of the AWS Outpost on which to create a local snapshot.[optional]
TagSpecification	
	List. The tags to apply to the snapshot during creation.[optional]
DryRun	Logical. Checks whether you have the required permissions for the action, without actually making the request,...[optional]
simplify	Logical. Whether to simplify the result and handle nextToken in the response[optional]
others	Named list. The parameters that are not included in the function parameters and need to be added into the request[optional]
print_on_error	Logical. Whether to show an error message when a network error occurs.
retry_time	Integer. Number of retries for a REST request when encounter the network issue. If the request has been sent retry_time times but still not be able to get the response, an error will be thrown.
network_timeout	
	Numeric. Number of seconds to wait for a REST response until giving up. Can not be less than 1 ms.
region	Character. The region of the AWS service.

Value

A list object or a character vector

VolumeId

The ID of the EBS volume.

Description

A description for the snapshot.

OutpostArn

The Amazon Resource Name (ARN) of the AWS Outpost on which to create a local snapshot.

- To create a snapshot of a volume in a Region, omit this parameter. The snapshot is created in the same Region as the volume.
- To create a snapshot of a volume on an Outpost and store the snapshot in the Region, omit this parameter. The snapshot is created in the Region for the Outpost.
- To create a snapshot of a volume on an Outpost and store the snapshot on an Outpost, specify the ARN of the destination Outpost. The snapshot must be created on the same Outpost as the volume.

For more information, see Creating local snapshots from volumes on an Outpost in the *Amazon Elastic Compute Cloud User Guide*.

TagSpecification

The tags to apply to the snapshot during creation.

DryRun

Checks whether you have the required permissions for the action, without actually making the request, and provides an error response. If you have the required permissions, the error response is `DryRunOperation`. Otherwise, it is `UnauthorizedOperation`.

`ec2_create_snapshots`   *Create Snapshots*

Description

Create Snapshots

Usage

```
ec2_create_snapshots(
  InstanceSpecification,
  Description = NULL,
  OutpostArn = NULL,
  TagSpecification = NULL,
  DryRun = NULL,
  CopyTagsFromSource = NULL,
  simplify = TRUE,
  others = list(),
  print_on_error = aws_get_print_on_error(),
  retry_time = aws_get_retry_time(),
  network_timeout = aws_get_network_timeout(),
  region = aws_get_region()
)
```

Arguments

InstanceSpecification

> Object. The instance to specify which volumes should be included in the snapshots.

Description   Character. A description propagated to every snapshot specified by the instance.[optional]

OutpostArn   Character. The Amazon Resource Name (ARN) of the AWS Outpost on which to create the local snapshots.[optional]

TagSpecification

> List. Tags to apply to every snapshot specified by the instance.[optional]

DryRun   Logical. Checks whether you have the required permissions for the action, without actually making the request,...[optional]

CopyTagsFromSource

> Character. Copies the tags from the specified volume to corresponding snapshot.[optional]

simplify   Logical. Whether to simplify the result and handle `nextToken` in the response[optional]

others   Named list. The parameters that are not included in the function parameters and need to be added into the request[optional]

print_on_error Logical. Whether to show an error message when a network error occurs.

retry_time   Integer. Number of retries for a REST request when encounter the network issue. If the request has been sent `retry_time` times but still not be able to get the response, an error will be thrown.

network_timeout

> Numeric. Number of seconds to wait for a REST response until giving up. Can not be less than 1 ms.

region   Character. The region of the AWS service.

Value

A list object or a character vector

InstanceSpecification

The instance to specify which volumes should be included in the snapshots.

Description

A description propagated to every snapshot specified by the instance.

OutpostArn

The Amazon Resource Name (ARN) of the AWS Outpost on which to create the local snapshots.

- To create snapshots from an instance in a Region, omit this parameter. The snapshots are created in the same Region as the instance.

- To create snapshots from an instance on an Outpost and store the snapshots in the Region, omit this parameter. The snapshots are created in the Region for the Outpost.

- To create snapshots from an instance on an Outpost and store the snapshots on an Outpost, specify the ARN of the destination Outpost. The snapshots must be created on the same Outpost as the instance.

For more information, see Creating multi-volume local snapshots from instances on an Outpost in the *Amazon Elastic Compute Cloud User Guide*.

TagSpecification

Tags to apply to every snapshot specified by the instance.

DryRun

Checks whether you have the required permissions for the action, without actually making the request, and provides an error response. If you have the required permissions, the error response is `DryRunOperation`. Otherwise, it is `UnauthorizedOperation`.

CopyTagsFromSource

Copies the tags from the specified volume to corresponding snapshot.

---

ec2_create_spot_datafeed_subscription
Create Spot Datafeed Subscription

Description

Creates a data feed for Spot Instances, enabling you to view Spot Instance usage logs. You can create one data feed per AWS account. For more information, see Spot Instance data feed in the *Amazon EC2 User Guide for Linux Instances*.

Usage

```
ec2_create_spot_datafeed_subscription(
  Bucket,
  DryRun = NULL,
  Prefix = NULL,
  simplify = TRUE,
  others = list(),
  print_on_error = aws_get_print_on_error(),
  retry_time = aws_get_retry_time(),
  network_timeout = aws_get_network_timeout(),
  region = aws_get_region()
)
```

Arguments

Bucket	Character. The name of the Amazon S3 bucket in which to store the Spot Instance data feed.
DryRun	Logical. Checks whether you have the required permissions for the action, without actually making the request,...[optional]
Prefix	Character. The prefix for the data feed file names.[optional]
simplify	Logical. Whether to simplify the result and handle nextToken in the response[optional]
others	Named list. The parameters that are not included in the function parameters and need to be added into the request[optional]
print_on_error	Logical. Whether to show an error message when a network error occurs.

retry_time	Integer. Number of retries for a REST request when encounter the network issue. If the request has been sent retry_time times but still not be able to get the response, an error will be thrown.
network_timeout	
	Numeric. Number of seconds to wait for a REST response until giving up. Can not be less than 1 ms.
region	Character. The region of the AWS service.

Value

A list object or a character vector

Bucket

The name of the Amazon S3 bucket in which to store the Spot Instance data feed. For more information about bucket names, see Rules for bucket naming in the *Amazon S3 Developer Guide*.

DryRun

Checks whether you have the required permissions for the action, without actually making the request, and provides an error response. If you have the required permissions, the error response is DryRunOperation. Otherwise, it is UnauthorizedOperation.

Prefix

The prefix for the data feed file names.

---

ec2_create_subnet	*Create Subnet*

Description

Create Subnet

Usage

```
ec2_create_subnet(
  VpcId,
  CidrBlock,
  TagSpecification = NULL,
  AvailabilityZone = NULL,
  AvailabilityZoneId = NULL,
  Ipv6CidrBlock = NULL,
  OutpostArn = NULL,
  DryRun = NULL,
  simplify = TRUE,
  others = list(),
```

```
    print_on_error = aws_get_print_on_error(),
    retry_time = aws_get_retry_time(),
    network_timeout = aws_get_network_timeout(),
    region = aws_get_region()
)
```

Arguments

VpcId	Character. The ID of the VPC.
CidrBlock	Character. The IPv4 network range for the subnet, in CIDR notation.
TagSpecification	
	List. The tags to assign to the subnet.[optional]
AvailabilityZone	
	Character. The Availability Zone or Local Zone for the subnet.[optional]
AvailabilityZoneId	
	Character. The AZ ID or the Local Zone ID of the subnet.[optional]
Ipv6CidrBlock	Character. The IPv6 network range for the subnet, in CIDR notation.[optional]
OutpostArn	Character. The Amazon Resource Name (ARN) of the Outpost.[optional]
DryRun	Logical. Checks whether you have the required permissions for the action, without actually making the request,...[optional]
simplify	Logical. Whether to simplify the result and handle nextToken in the response[optional]
others	Named list. The parameters that are not included in the function parameters and need to be added into the request[optional]
print_on_error	Logical. Whether to show an error message when a network error occurs.
retry_time	Integer. Number of retries for a REST request when encounter the network issue. If the request has been sent retry_time times but still not be able to get the response, an error will be thrown.
network_timeout	
	Numeric. Number of seconds to wait for a REST response until giving up. Can not be less than 1 ms.
region	Character. The region of the AWS service.

Value

A list object or a character vector

VpcId

The ID of the VPC.

CidrBlock

The IPv4 network range for the subnet, in CIDR notation. For example, 10.0.0.0/24. We modify the specified CIDR block to its canonical form; for example, if you specify 100.68.0.18/18, we modify it to 100.68.0.0/18.

TagSpecification

The tags to assign to the subnet.

AvailabilityZone

The Availability Zone or Local Zone for the subnet.

Default: AWS selects one for you. If you create more than one subnet in your VPC, we do not necessarily select a different zone for each subnet.

To create a subnet in a Local Zone, set this value to the Local Zone ID, for example us-west-2-lax-1a. For information about the Regions that support Local Zones, see Available Regions in the *Amazon Elastic Compute Cloud User Guide*.

To create a subnet in an Outpost, set this value to the Availability Zone for the Outpost and specify the Outpost ARN.

AvailabilityZoneId

The AZ ID or the Local Zone ID of the subnet.

Ipv6CidrBlock

The IPv6 network range for the subnet, in CIDR notation. The subnet size must use a /64 prefix length.

OutpostArn

The Amazon Resource Name (ARN) of the Outpost. If you specify an Outpost ARN, you must also specify the Availability Zone of the Outpost subnet.

DryRun

Checks whether you have the required permissions for the action, without actually making the request, and provides an error response. If you have the required permissions, the error response is DryRunOperation. Otherwise, it is UnauthorizedOperation.

---

ec2_create_tags *Create Tags*

Description

Create Tags

Usage

```
ec2_create_tags(
  ResourceId,
  Tag,
  DryRun = NULL,
  simplify = TRUE,
  others = list(),
  print_on_error = aws_get_print_on_error(),
  retry_time = aws_get_retry_time(),
  network_timeout = aws_get_network_timeout(),
  region = aws_get_region()
)
```

Arguments

ResourceId	List. The IDs of the resources, separated by spaces.
Tag	List. The tags.
DryRun	Logical. Checks whether you have the required permissions for the action, without actually making the request,...[optional]
simplify	Logical. Whether to simplify the result and handle nextToken in the response[optional]
others	Named list. The parameters that are not included in the function parameters and need to be added into the request[optional]
print_on_error	Logical. Whether to show an error message when a network error occurs.
retry_time	Integer. Number of retries for a REST request when encounter the network issue. If the request has been sent retry_time times but still not be able to get the response, an error will be thrown.
network_timeout	
	Numeric. Number of seconds to wait for a REST response until giving up. Can not be less than 1 ms.
region	Character. The region of the AWS service.

Value

A list object or a character vector

ResourceId

The IDs of the resources, separated by spaces.

Constraints: Up to 1000 resource IDs. We recommend breaking up this request into smaller batches.

Tag

The tags. The value parameter is required, but if you don\'t want the tag to have a value, specify the parameter with no value, and we set the value to an empty string.

DryRun

Checks whether you have the required permissions for the action, without actually making the request, and provides an error response. If you have the required permissions, the error response is `DryRunOperation`. Otherwise, it is `UnauthorizedOperation`.

---

ec2_create_traffic_mirror_filter
                              Create Traffic Mirror Filter

Description

Create Traffic Mirror Filter

Usage

```
ec2_create_traffic_mirror_filter(
  Description = NULL,
  TagSpecification = NULL,
  DryRun = NULL,
  ClientToken = NULL,
  simplify = TRUE,
  others = list(),
  print_on_error = aws_get_print_on_error(),
  retry_time = aws_get_retry_time(),
  network_timeout = aws_get_network_timeout(),
  region = aws_get_region()
)
```

Arguments

Description	Character. The description of the Traffic Mirror filter.[optional]
TagSpecification	
	List. The tags to assign to a Traffic Mirror filter.[optional]
DryRun	Logical. Checks whether you have the required permissions for the action, without actually making the request,...[optional]
ClientToken	Character. Unique, case-sensitive identifier that you provide to ensure the idempotency of the request.[optional]
simplify	Logical. Whether to simplify the result and handle nextToken in the response[optional]
others	Named list. The parameters that are not included in the function parameters and need to be added into the request[optional]
print_on_error	Logical. Whether to show an error message when a network error occurs.
retry_time	Integer. Number of retries for a REST request when encounter the network issue. If the request has been sent retry_time times but still not be able to get the response, an error will be thrown.

network_timeout

>   Numeric. Number of seconds to wait for a REST response until giving up. Can not be less than 1 ms.

region   Character. The region of the AWS service.

Value

A list object or a character vector

Description

The description of the Traffic Mirror filter.

TagSpecification

The tags to assign to a Traffic Mirror filter.

DryRun

Checks whether you have the required permissions for the action, without actually making the request, and provides an error response. If you have the required permissions, the error response is `DryRunOperation`. Otherwise, it is `UnauthorizedOperation`.

ClientToken

Unique, case-sensitive identifier that you provide to ensure the idempotency of the request. For more information, see How to Ensure Idempotency.

---

ec2_create_traffic_mirror_filter_rule
Create Traffic Mirror Filter Rule

Description

Create Traffic Mirror Filter Rule

Usage

```
ec2_create_traffic_mirror_filter_rule(
  TrafficMirrorFilterId,
  TrafficDirection,
  RuleNumber,
  RuleAction,
  DestinationCidrBlock,
  SourceCidrBlock,
  DestinationPortRange = NULL,
  SourcePortRange = NULL,
  Protocol = NULL,
```

```
    Description = NULL,
    DryRun = NULL,
    ClientToken = NULL,
    simplify = TRUE,
    others = list(),
    print_on_error = aws_get_print_on_error(),
    retry_time = aws_get_retry_time(),
    network_timeout = aws_get_network_timeout(),
    region = aws_get_region()
)
```

Arguments

TrafficMirrorFilterId

        Character. The ID of the filter that this rule is associated with.

TrafficDirection

        Character. The type of traffic (`ingress` \| `egress`).

RuleNumber   Integer. The number of the Traffic Mirror rule.

RuleAction   Character. The action to take (`accept` \| `reject`) on the filtered traffic.

DestinationCidrBlock

        Character. The destination CIDR block to assign to the Traffic Mirror rule.

SourceCidrBlock

        Character. The source CIDR block to assign to the Traffic Mirror rule.

DestinationPortRange

        Object. The destination port range.[optional]

SourcePortRange

        Object. The source port range.[optional]

Protocol   Integer. The protocol, for example UDP, to assign to the Traffic Mirror rule.[optional]

Description   Character. The description of the Traffic Mirror rule.[optional]

DryRun   Logical. Checks whether you have the required permissions for the action, without actually making the request,...[optional]

ClientToken   Character. Unique, case-sensitive identifier that you provide to ensure the idempotency of the request.[optional]

simplify   Logical. Whether to simplify the result and handle `nextToken` in the response[optional]

others   Named list. The parameters that are not included in the function parameters and need to be added into the request[optional]

print_on_error Logical. Whether to show an error message when a network error occurs.

retry_time   Integer. Number of retries for a REST request when encounter the network issue. If the request has been sent `retry_time` times but still not be able to get the response, an error will be thrown.

network_timeout

        Numeric. Number of seconds to wait for a REST response until giving up. Can not be less than 1 ms.

region   Character. The region of the AWS service.

Value

A list object or a character vector

TrafficMirrorFilterId

The ID of the filter that this rule is associated with.

TrafficDirection

The type of traffic (`ingress \| egress`).

RuleNumber

The number of the Traffic Mirror rule. This number must be unique for each Traffic Mirror rule in a given direction. The rules are processed in ascending order by rule number.

RuleAction

The action to take (`accept \| reject`) on the filtered traffic.

DestinationCidrBlock

The destination CIDR block to assign to the Traffic Mirror rule.

SourceCidrBlock

The source CIDR block to assign to the Traffic Mirror rule.

DestinationPortRange

The destination port range.

SourcePortRange

The source port range.

Protocol

The protocol, for example UDP, to assign to the Traffic Mirror rule.

For information about the protocol value, see Protocol Numbers on the Internet Assigned Numbers Authority (IANA) website.

Description

The description of the Traffic Mirror rule.

DryRun

Checks whether you have the required permissions for the action, without actually making the request, and provides an error response. If you have the required permissions, the error response is `DryRunOperation`. Otherwise, it is `UnauthorizedOperation`.

ClientToken

Unique, case-sensitive identifier that you provide to ensure the idempotency of the request. For more information, see How to Ensure Idempotency.

---

ec2_create_traffic_mirror_session

Create Traffic Mirror Session

Description

Create Traffic Mirror Session

Usage

```
ec2_create_traffic_mirror_session(
  NetworkInterfaceId,
  TrafficMirrorTargetId,
  TrafficMirrorFilterId,
  SessionNumber,
  PacketLength = NULL,
  VirtualNetworkId = NULL,
  Description = NULL,
  TagSpecification = NULL,
  DryRun = NULL,
  ClientToken = NULL,
  simplify = TRUE,
  others = list(),
  print_on_error = aws_get_print_on_error(),
  retry_time = aws_get_retry_time(),
  network_timeout = aws_get_network_timeout(),
  region = aws_get_region()
)
```

Arguments

NetworkInterfaceId

      Character. The ID of the source network interface.

TrafficMirrorTargetId

      Character. The ID of the Traffic Mirror target.

TrafficMirrorFilterId

      Character. The ID of the Traffic Mirror filter.

SessionNumber   Integer. The session number determines the order in which sessions are evaluated when an interface is used...

PacketLength   Integer. The number of bytes in each packet to mirror.[optional]

VirtualNetworkId

      Integer. The VXLAN ID for the Traffic Mirror session.[optional]

Description	Character. The description of the Traffic Mirror session.[optional]
TagSpecification	
	List. The tags to assign to a Traffic Mirror session.[optional]
DryRun	Logical. Checks whether you have the required permissions for the action, without actually making the request,...[optional]
ClientToken	Character. Unique, case-sensitive identifier that you provide to ensure the idempotency of the request.[optional]
simplify	Logical. Whether to simplify the result and handle nextToken in the response[optional]
others	Named list. The parameters that are not included in the function parameters and need to be added into the request[optional]
print_on_error	Logical. Whether to show an error message when a network error occurs.
retry_time	Integer. Number of retries for a REST request when encounter the network issue. If the request has been sent retry_time times but still not be able to get the response, an error will be thrown.
network_timeout	
	Numeric. Number of seconds to wait for a REST response until giving up. Can not be less than 1 ms.
region	Character. The region of the AWS service.

Value

A list object or a character vector

NetworkInterfaceId

The ID of the source network interface.

TrafficMirrorTargetId

The ID of the Traffic Mirror target.

TrafficMirrorFilterId

The ID of the Traffic Mirror filter.

SessionNumber

The session number determines the order in which sessions are evaluated when an interface is used by multiple sessions. The first session with a matching filter is the one that mirrors the packets.

Valid values are 1-32766.

PacketLength

The number of bytes in each packet to mirror. These are bytes after the VXLAN header. Do not specify this parameter when you want to mirror the entire packet. To mirror a subset of the packet, set this to the length (in bytes) that you want to mirror. For example, if you set this value to 100, then the first 100 bytes that meet the filter criteria are copied to the target.

If you do not want to mirror the entire packet, use the `PacketLength` parameter to specify the number of bytes in each packet to mirror.

VirtualNetworkId

The VXLAN ID for the Traffic Mirror session. For more information about the VXLAN protocol, see RFC 7348. If you do not specify a `VirtualNetworkId`, an account-wide unique id is chosen at random.

Description

The description of the Traffic Mirror session.

TagSpecification

The tags to assign to a Traffic Mirror session.

DryRun

Checks whether you have the required permissions for the action, without actually making the request, and provides an error response. If you have the required permissions, the error response is `DryRunOperation`. Otherwise, it is `UnauthorizedOperation`.

ClientToken

Unique, case-sensitive identifier that you provide to ensure the idempotency of the request. For more information, see How to Ensure Idempotency.

---

ec2_create_traffic_mirror_target
Create Traffic Mirror Target

Description

Create Traffic Mirror Target

Usage

```
ec2_create_traffic_mirror_target(
  NetworkInterfaceId = NULL,
  NetworkLoadBalancerArn = NULL,
  Description = NULL,
  TagSpecification = NULL,
  DryRun = NULL,
  ClientToken = NULL,
  simplify = TRUE,
  others = list(),
  print_on_error = aws_get_print_on_error(),
  retry_time = aws_get_retry_time(),
  network_timeout = aws_get_network_timeout(),
  region = aws_get_region()
)
```

Arguments

NetworkInterfaceId

> Character. The network interface ID that is associated with the target.[optional]

NetworkLoadBalancerArn

> Character. The Amazon Resource Name (ARN) of the Network Load Balancer that is associated with the target.[optional]

Description   Character. The description of the Traffic Mirror target.[optional]

TagSpecification

> List. The tags to assign to the Traffic Mirror target.[optional]

DryRun   Logical. Checks whether you have the required permissions for the action, without actually making the request,...[optional]

ClientToken   Character. Unique, case-sensitive identifier that you provide to ensure the idempotency of the request.[optional]

simplify   Logical. Whether to simplify the result and handle nextToken in the response[optional]

others   Named list. The parameters that are not included in the function parameters and need to be added into the request[optional]

print_on_error   Logical. Whether to show an error message when a network error occurs.

retry_time   Integer. Number of retries for a REST request when encounter the network issue. If the request has been sent retry_time times but still not be able to get the response, an error will be thrown.

network_timeout

> Numeric. Number of seconds to wait for a REST response until giving up. Can not be less than 1 ms.

region   Character. The region of the AWS service.

Value

A list object or a character vector

NetworkInterfaceId

The network interface ID that is associated with the target.

NetworkLoadBalancerArn

The Amazon Resource Name (ARN) of the Network Load Balancer that is associated with the target.

Description

The description of the Traffic Mirror target.

TagSpecification

The tags to assign to the Traffic Mirror target.

DryRun

Checks whether you have the required permissions for the action, without actually making the request, and provides an error response. If you have the required permissions, the error response is `DryRunOperation`. Otherwise, it is `UnauthorizedOperation`.

ClientToken

Unique, case-sensitive identifier that you provide to ensure the idempotency of the request. For more information, see How to Ensure Idempotency.

---

ec2_create_transit_gateway

Create Transit Gateway

Description

Create Transit Gateway

Usage

```
ec2_create_transit_gateway(
  Description = NULL,
  Options = NULL,
  TagSpecification = NULL,
  DryRun = NULL,
  simplify = TRUE,
  others = list(),
  print_on_error = aws_get_print_on_error(),
  retry_time = aws_get_retry_time(),
  network_timeout = aws_get_network_timeout(),
  region = aws_get_region()
)
```

Arguments

`Description`	Character. A description of the transit gateway.[optional]
`Options`	Object. The transit gateway options.[optional]
`TagSpecification`	
	List. The tags to apply to the transit gateway.[optional]
`DryRun`	Logical. Checks whether you have the required permissions for the action, without actually making the request,...[optional]
`simplify`	Logical. Whether to simplify the result and handle `nextToken` in the response[optional]
`others`	Named list. The parameters that are not included in the function parameters and need to be added into the request[optional]
`print_on_error`	Logical. Whether to show an error message when a network error occurs.
`retry_time`	Integer. Number of retries for a REST request when encounter the network issue. If the request has been sent `retry_time` times but still not be able to get the response, an error will be thrown.
`network_timeout`	
	Numeric. Number of seconds to wait for a REST response until giving up. Can not be less than 1 ms.
`region`	Character. The region of the AWS service.

Value

A list object or a character vector

Description

A description of the transit gateway.

Options

The transit gateway options.

TagSpecification

The tags to apply to the transit gateway.

DryRun

Checks whether you have the required permissions for the action, without actually making the request, and provides an error response. If you have the required permissions, the error response is `DryRunOperation`. Otherwise, it is `UnauthorizedOperation`.

---

ec2_create_transit_gateway_connect
                              Create Transit Gateway Connect

Description

Create Transit Gateway Connect

Usage

```
ec2_create_transit_gateway_connect(
  TransportTransitGatewayAttachmentId,
  Options,
  TagSpecification = NULL,
  DryRun = NULL,
  simplify = TRUE,
  others = list(),
  print_on_error = aws_get_print_on_error(),
  retry_time = aws_get_retry_time(),
  network_timeout = aws_get_network_timeout(),
  region = aws_get_region()
)
```

Arguments

TransportTransitGatewayAttachmentId
                   Character. The ID of the transit gateway attachment.

Options   Object. The Connect attachment options.

TagSpecification
                   List. The tags to apply to the Connect attachment.[optional]

DryRun   Logical. Checks whether you have the required permissions for the action, with-
                   out actually making the request,...[optional]

simplify   Logical. Whether to simplify the result and handle nextToken in the response[optional]

others   Named list. The parameters that are not included in the function parameters and
                   need to be added into the request[optional]

print_on_error   Logical. Whether to show an error message when a network error occurs.

retry_time   Integer. Number of retries for a REST request when encounter the network
                   issue. If the request has been sent retry_time times but still not be able to get
                   the response, an error will be thrown.

network_timeout
                   Numeric. Number of seconds to wait for a REST response until giving up. Can
                   not be less than 1 ms.

region   Character. The region of the AWS service.

Value

A list object or a character vector

TransportTransitGatewayAttachmentId

The ID of the transit gateway attachment. You can specify a VPC attachment or a AWS Direct Connect attachment.

Options

The Connect attachment options.

TagSpecification

The tags to apply to the Connect attachment.

DryRun

Checks whether you have the required permissions for the action, without actually making the request, and provides an error response. If you have the required permissions, the error response is `DryRunOperation`. Otherwise, it is `UnauthorizedOperation`.

---

ec2_create_transit_gateway_connect_peer
Create Transit Gateway Connect Peer

Description

Create Transit Gateway Connect Peer

Usage

```
ec2_create_transit_gateway_connect_peer(
  TransitGatewayAttachmentId,
  PeerAddress,
  InsideCidrBlocks,
  TransitGatewayAddress = NULL,
  BgpOptions = NULL,
  TagSpecification = NULL,
  DryRun = NULL,
  simplify = TRUE,
  others = list(),
  print_on_error = aws_get_print_on_error(),
  retry_time = aws_get_retry_time(),
  network_timeout = aws_get_network_timeout(),
  region = aws_get_region()
)
```

Arguments

TransitGatewayAttachmentId
:   Character. The ID of the Connect attachment.

PeerAddress
:   Character. The peer IP address (GRE outer IP address) on the appliance side of the Connect peer.

InsideCidrBlocks
:   List. The range of inside IP addresses that are used for BGP peering.

TransitGatewayAddress
:   Character. The peer IP address (GRE outer IP address) on the transit gateway side of the Connect peer, which...[optional]

BgpOptions
:   Object. The BGP options for the Connect peer.[optional]

TagSpecification
:   List. The tags to apply to the Connect peer.[optional]

DryRun
:   Logical. Checks whether you have the required permissions for the action, without actually making the request,...[optional]

simplify
:   Logical. Whether to simplify the result and handle nextToken in the response[optional]

others
:   Named list. The parameters that are not included in the function parameters and need to be added into the request[optional]

print_on_error
:   Logical. Whether to show an error message when a network error occurs.

retry_time
:   Integer. Number of retries for a REST request when encounter the network issue. If the request has been sent retry_time times but still not be able to get the response, an error will be thrown.

network_timeout
:   Numeric. Number of seconds to wait for a REST response until giving up. Can not be less than 1 ms.

region
:   Character. The region of the AWS service.

Value

A list object or a character vector

TransitGatewayAttachmentId

The ID of the Connect attachment.

PeerAddress

The peer IP address (GRE outer IP address) on the appliance side of the Connect peer.

InsideCidrBlocks

The range of inside IP addresses that are used for BGP peering. You must specify a size /29 IPv4 CIDR block from the 169.254.0.0/16 range. The first address from the range must be configured on the appliance as the BGP IP address. You can also optionally specify a size /125 IPv6 CIDR block from the fd00::/8 range.

TransitGatewayAddress

The peer IP address (GRE outer IP address) on the transit gateway side of the Connect peer, which must be specified from a transit gateway CIDR block. If not specified, Amazon automatically assigns the first available IP address from the transit gateway CIDR block.

BgpOptions

The BGP options for the Connect peer.

TagSpecification

The tags to apply to the Connect peer.

DryRun

Checks whether you have the required permissions for the action, without actually making the request, and provides an error response. If you have the required permissions, the error response is `DryRunOperation`. Otherwise, it is `UnauthorizedOperation`.

---

ec2_create_transit_gateway_multicast_domain
                    Create Transit Gateway Multicast Domain

Description

Create Transit Gateway Multicast Domain

Usage

```
ec2_create_transit_gateway_multicast_domain(
  TransitGatewayId,
  Options = NULL,
  TagSpecification = NULL,
  DryRun = NULL,
  simplify = TRUE,
  others = list(),
  print_on_error = aws_get_print_on_error(),
  retry_time = aws_get_retry_time(),
  network_timeout = aws_get_network_timeout(),
  region = aws_get_region()
)
```

Arguments

TransitGatewayId
: Character. The ID of the transit gateway.

Options
: Object. The options for the transit gateway multicast domain.[optional]

TagSpecification
: List. The tags for the transit gateway multicast domain.[optional]

DryRun
: Logical. Checks whether you have the required permissions for the action, without actually making the request,...[optional]

simplify
: Logical. Whether to simplify the result and handle `nextToken` in the response[optional]

others
: Named list. The parameters that are not included in the function parameters and need to be added into the request[optional]

print_on_error
: Logical. Whether to show an error message when a network error occurs.

retry_time
: Integer. Number of retries for a REST request when encounter the network issue. If the request has been sent `retry_time` times but still not be able to get the response, an error will be thrown.

network_timeout
: Numeric. Number of seconds to wait for a REST response until giving up. Can not be less than 1 ms.

region
: Character. The region of the AWS service.

Value

A list object or a character vector

TransitGatewayId

The ID of the transit gateway.

Options

The options for the transit gateway multicast domain.

TagSpecification

The tags for the transit gateway multicast domain.

DryRun

Checks whether you have the required permissions for the action, without actually making the request, and provides an error response. If you have the required permissions, the error response is `DryRunOperation`. Otherwise, it is `UnauthorizedOperation`.

---

ec2_create_transit_gateway_peering_attachment
Create Transit Gateway Peering Attachment

Description

Create Transit Gateway Peering Attachment

Usage

```
ec2_create_transit_gateway_peering_attachment(
  TransitGatewayId,
  PeerTransitGatewayId,
  PeerAccountId,
  PeerRegion,
  TagSpecification = NULL,
  DryRun = NULL,
  simplify = TRUE,
  others = list(),
  print_on_error = aws_get_print_on_error(),
  retry_time = aws_get_retry_time(),
  network_timeout = aws_get_network_timeout(),
  region = aws_get_region()
)
```

Arguments

TransitGatewayId
:   Character. The ID of the transit gateway.

PeerTransitGatewayId
:   Character. The ID of the peer transit gateway with which to create the peering attachment.

PeerAccountId   Character. The AWS account ID of the owner of the peer transit gateway.

PeerRegion   Character. The Region where the peer transit gateway is located.

TagSpecification
:   List. The tags to apply to the transit gateway peering attachment.[optional]

DryRun   Logical. Checks whether you have the required permissions for the action, without actually making the request,...[optional]

simplify   Logical. Whether to simplify the result and handle nextToken in the response[optional]

others   Named list. The parameters that are not included in the function parameters and need to be added into the request[optional]

print_on_error Logical. Whether to show an error message when a network error occurs.

retry_time   Integer. Number of retries for a REST request when encounter the network issue. If the request has been sent retry_time times but still not be able to get the response, an error will be thrown.

network_timeout

> Numeric. Number of seconds to wait for a REST response until giving up. Can not be less than 1 ms.

region   Character. The region of the AWS service.

Value

A list object or a character vector

TransitGatewayId

The ID of the transit gateway.

PeerTransitGatewayId

The ID of the peer transit gateway with which to create the peering attachment.

PeerAccountId

The AWS account ID of the owner of the peer transit gateway.

PeerRegion

The Region where the peer transit gateway is located.

TagSpecification

The tags to apply to the transit gateway peering attachment.

DryRun

Checks whether you have the required permissions for the action, without actually making the request, and provides an error response. If you have the required permissions, the error response is DryRunOperation. Otherwise, it is UnauthorizedOperation.

---

ec2_create_transit_gateway_prefix_list_reference
Create Transit Gateway Prefix List Reference

Description

Creates a reference (route) to a prefix list in a specified transit gateway route table.

Usage

```
ec2_create_transit_gateway_prefix_list_reference(
  TransitGatewayRouteTableId,
  PrefixListId,
  TransitGatewayAttachmentId = NULL,
  Blackhole = NULL,
  DryRun = NULL,
  simplify = TRUE,
  others = list(),
  print_on_error = aws_get_print_on_error(),
  retry_time = aws_get_retry_time(),
  network_timeout = aws_get_network_timeout(),
  region = aws_get_region()
)
```

Arguments

TransitGatewayRouteTableId

> Character. The ID of the transit gateway route table.

PrefixListId   Character. The ID of the prefix list that is used for destination matches.

TransitGatewayAttachmentId

> Character. The ID of the attachment to which traffic is routed.[optional]

Blackhole   Logical. Indicates whether to drop traffic that matches this route.[optional]

DryRun   Logical. Checks whether you have the required permissions for the action, without actually making the request,...[optional]

simplify   Logical. Whether to simplify the result and handle nextToken in the response[optional]

others   Named list. The parameters that are not included in the function parameters and need to be added into the request[optional]

print_on_error Logical. Whether to show an error message when a network error occurs.

retry_time   Integer. Number of retries for a REST request when encounter the network issue. If the request has been sent retry_time times but still not be able to get the response, an error will be thrown.

network_timeout

> Numeric. Number of seconds to wait for a REST response until giving up. Can not be less than 1 ms.

region   Character. The region of the AWS service.

Value

A list object or a character vector

TransitGatewayRouteTableId

The ID of the transit gateway route table.

PrefixListId

The ID of the prefix list that is used for destination matches.

TransitGatewayAttachmentId

The ID of the attachment to which traffic is routed.

Blackhole

Indicates whether to drop traffic that matches this route.

DryRun

Checks whether you have the required permissions for the action, without actually making the request, and provides an error response. If you have the required permissions, the error response is DryRunOperation. Otherwise, it is UnauthorizedOperation.

---

ec2_create_transit_gateway_route

Create Transit Gateway Route

Description

Creates a static route for the specified transit gateway route table.

Usage

```
ec2_create_transit_gateway_route(
  DestinationCidrBlock,
  TransitGatewayRouteTableId,
  TransitGatewayAttachmentId = NULL,
  Blackhole = NULL,
  DryRun = NULL,
  simplify = TRUE,
  others = list(),
  print_on_error = aws_get_print_on_error(),
  retry_time = aws_get_retry_time(),
  network_timeout = aws_get_network_timeout(),
  region = aws_get_region()
)
```

Arguments

DestinationCidrBlock

Character. The CIDR range used for destination matches.

TransitGatewayRouteTableId

Character. The ID of the transit gateway route table.

TransitGatewayAttachmentId

        Character. The ID of the attachment.[optional]

Blackhole   Logical. Indicates whether to drop traffic that matches this route.[optional]

DryRun   Logical. Checks whether you have the required permissions for the action, with-
        out actually making the request,...[optional]

simplify   Logical. Whether to simplify the result and handle nextToken in the response[optional]

others   Named list. The parameters that are not included in the function parameters and
        need to be added into the request[optional]

print_on_error Logical. Whether to show an error message when a network error occurs.

retry_time   Integer. Number of retries for a REST request when encounter the network
        issue. If the request has been sent retry_time times but still not be able to get
        the response, an error will be thrown.

network_timeout

        Numeric. Number of seconds to wait for a REST response until giving up. Can
        not be less than 1 ms.

region   Character. The region of the AWS service.

Value

A list object or a character vector

DestinationCidrBlock

The CIDR range used for destination matches. Routing decisions are based on the most specific
match.

TransitGatewayRouteTableId

The ID of the transit gateway route table.

TransitGatewayAttachmentId

The ID of the attachment.

Blackhole

Indicates whether to drop traffic that matches this route.

DryRun

Checks whether you have the required permissions for the action, without actually making the
request, and provides an error response. If you have the required permissions, the error response is
DryRunOperation. Otherwise, it is UnauthorizedOperation.

```
ec2_create_transit_gateway_route_table
```
Create Transit Gateway Route Table

Description

Creates a route table for the specified transit gateway.

Usage

```
ec2_create_transit_gateway_route_table(
  TransitGatewayId,
  TagSpecifications = NULL,
  DryRun = NULL,
  simplify = TRUE,
  others = list(),
  print_on_error = aws_get_print_on_error(),
  retry_time = aws_get_retry_time(),
  network_timeout = aws_get_network_timeout(),
  region = aws_get_region()
)
```

Arguments

TransitGatewayId

> Character. The ID of the transit gateway.

TagSpecifications

> List. The tags to apply to the transit gateway route table.[optional]

DryRun
> Logical. Checks whether you have the required permissions for the action, without actually making the request,...[optional]

simplify
> Logical. Whether to simplify the result and handle nextToken in the response[optional]

others
> Named list. The parameters that are not included in the function parameters and need to be added into the request[optional]

print_on_error Logical. Whether to show an error message when a network error occurs.

retry_time
> Integer. Number of retries for a REST request when encounter the network issue. If the request has been sent retry_time times but still not be able to get the response, an error will be thrown.

network_timeout

> Numeric. Number of seconds to wait for a REST response until giving up. Can not be less than 1 ms.

region
> Character. The region of the AWS service.

Value

A list object or a character vector

TransitGatewayId

The ID of the transit gateway.

TagSpecifications

The tags to apply to the transit gateway route table.

DryRun

Checks whether you have the required permissions for the action, without actually making the request, and provides an error response. If you have the required permissions, the error response is `DryRunOperation`. Otherwise, it is `UnauthorizedOperation`.

---

ec2_create_transit_gateway_vpc_attachment
Create Transit Gateway Vpc Attachment

Description

Create Transit Gateway Vpc Attachment

Usage

```
ec2_create_transit_gateway_vpc_attachment(
  TransitGatewayId,
  VpcId,
  SubnetIds,
  Options = NULL,
  TagSpecifications = NULL,
  DryRun = NULL,
  simplify = TRUE,
  others = list(),
  print_on_error = aws_get_print_on_error(),
  retry_time = aws_get_retry_time(),
  network_timeout = aws_get_network_timeout(),
  region = aws_get_region()
)
```

Arguments

TransitGatewayId

                Character. The ID of the transit gateway.

VpcId   Character. The ID of the VPC.

SubnetIds   List. The IDs of one or more subnets.

Options   Object. The VPC attachment options.[optional]

TagSpecifications

List. The tags to apply to the VPC attachment.[optional]

DryRun
Logical. Checks whether you have the required permissions for the action, without actually making the request,...[optional]

simplify
Logical. Whether to simplify the result and handle `nextToken` in the response[optional]

others
Named list. The parameters that are not included in the function parameters and need to be added into the request[optional]

print_on_error Logical. Whether to show an error message when a network error occurs.

retry_time
Integer. Number of retries for a REST request when encounter the network issue. If the request has been sent `retry_time` times but still not be able to get the response, an error will be thrown.

network_timeout

Numeric. Number of seconds to wait for a REST response until giving up. Can not be less than 1 ms.

region   Character. The region of the AWS service.

Value

A list object or a character vector

TransitGatewayId

The ID of the transit gateway.

VpcId

The ID of the VPC.

SubnetIds

The IDs of one or more subnets. You can specify only one subnet per Availability Zone. You must specify at least one subnet, but we recommend that you specify two subnets for better availability. The transit gateway uses one IP address from each specified subnet.

Options

The VPC attachment options.

TagSpecifications

The tags to apply to the VPC attachment.

DryRun

Checks whether you have the required permissions for the action, without actually making the request, and provides an error response. If you have the required permissions, the error response is `DryRunOperation`. Otherwise, it is `UnauthorizedOperation`.

---

ec2_create_volume   *Create Volume*

Description

Create Volume

Usage

```
ec2_create_volume(
  AvailabilityZone,
  Encrypted = NULL,
  Iops = NULL,
  KmsKeyId = NULL,
  OutpostArn = NULL,
  Size = NULL,
  SnapshotId = NULL,
  VolumeType = NULL,
  DryRun = NULL,
  TagSpecification = NULL,
  MultiAttachEnabled = NULL,
  Throughput = NULL,
  simplify = TRUE,
  others = list(),
  print_on_error = aws_get_print_on_error(),
  retry_time = aws_get_retry_time(),
  network_timeout = aws_get_network_timeout(),
  region = aws_get_region()
)
```

Arguments

AvailabilityZone

Character. The Availability Zone in which to create the volume.

Encrypted	Logical. Indicates whether the volume should be encrypted.[optional]
Iops	Integer. The number of I/O operations per second (IOPS).[optional]
KmsKeyId	Character. The identifier of the AWS Key Management Service (AWS KMS) customer master key (CMK) to use for...[optional]
OutpostArn	Character. The Amazon Resource Name (ARN) of the Outpost.[optional]
Size	Integer. The size of the volume, in GiBs.[optional]
SnapshotId	Character. The snapshot from which to create the volume.[optional]
VolumeType	Character. The volume type.[optional]
DryRun	Logical. Checks whether you have the required permissions for the action, without actually making the request,...[optional]

TagSpecification
>   List. The tags to apply to the volume during creation.[optional]

MultiAttachEnabled
>   Logical. Indicates whether to enable Amazon EBS Multi-Attach.[optional]

Throughput   Integer. The throughput to provision for a volume, with a maximum of 1,000 MiB/s.[optional]

simplify   Logical. Whether to simplify the result and handle `nextToken` in the response[optional]

others   Named list. The parameters that are not included in the function parameters and need to be added into the request[optional]

print_on_error   Logical. Whether to show an error message when a network error occurs.

retry_time   Integer. Number of retries for a REST request when encounter the network issue. If the request has been sent `retry_time` times but still not be able to get the response, an error will be thrown.

network_timeout
>   Numeric. Number of seconds to wait for a REST response until giving up. Can not be less than 1 ms.

region   Character. The region of the AWS service.

Value

A list object or a character vector

AvailabilityZone

The Availability Zone in which to create the volume.

Encrypted

Indicates whether the volume should be encrypted. The effect of setting the encryption state to `true` depends on the volume origin (new or from a snapshot), starting encryption state, ownership, and whether encryption by default is enabled. For more information, see Encryption by default in the *Amazon Elastic Compute Cloud User Guide*.

Encrypted Amazon EBS volumes must be attached to instances that support Amazon EBS encryption. For more information, see Supported instance types.

Iops

The number of I/O operations per second (IOPS). For gp3, io1, and io2 volumes, this represents the number of IOPS that are provisioned for the volume. For gp2 volumes, this represents the baseline performance of the volume and the rate at which the volume accumulates I/O credits for bursting.

The following are the supported values for each volume type:

- gp3: 3,000-16,000 IOPS
- io1: 100-64,000 IOPS
- io2: 100-64,000 IOPS

For io1 and io2 volumes, we guarantee 64,000 IOPS only for Instances built on the Nitro System. Other instance families guarantee performance up to 32,000 IOPS.

This parameter is required for io1 and io2 volumes. The default for gp3 volumes is 3,000 IOPS. This parameter is not supported for gp2, st1, sc1, or standard volumes.

KmsKeyId

The identifier of the AWS Key Management Service (AWS KMS) customer master key (CMK) to use for Amazon EBS encryption. If this parameter is not specified, your AWS managed CMK for EBS is used. If KmsKeyId is specified, the encrypted state must be true.

You can specify the CMK using any of the following:

- Key ID. For example, 1234abcd-12ab-34cd-56ef-1234567890ab.

- Key alias. For example, alias/ExampleAlias.

- Key ARN. For example, arn:aws:kms:us-east-1:012345678910:key/1234abcd-12ab-34cd-56ef-1234567890ab.

- Alias ARN. For example, arn:aws:kms:us-east-1:012345678910:alias/ExampleAlias.

AWS authenticates the CMK asynchronously. Therefore, if you specify an ID, alias, or ARN that is not valid, the action can appear to complete, but eventually fails.

OutpostArn

The Amazon Resource Name (ARN) of the Outpost.

Size

The size of the volume, in GiBs. You must specify either a snapshot ID or a volume size. If you specify a snapshot, the default is the snapshot size. You can specify a volume size that is equal to or larger than the snapshot size.

The following are the supported volumes sizes for each volume type:

- gp2 and gp3: 1-16,384

- io1 and io2: 4-16,384

- st1 and sc1: 125-16,384

- standard: 1-1,024

SnapshotId

The snapshot from which to create the volume. You must specify either a snapshot ID or a volume size.

VolumeType

The volume type. This parameter can be one of the following values:

- General Purpose SSD: gp2 \| gp3
- Provisioned IOPS SSD: io1 \| io2
- Throughput Optimized HDD: st1
- Cold HDD: sc1
- Magnetic: standard

For more information, see Amazon EBS volume types in the *Amazon Elastic Compute Cloud User Guide*.

Default: gp2

DryRun

Checks whether you have the required permissions for the action, without actually making the request, and provides an error response. If you have the required permissions, the error response is DryRunOperation. Otherwise, it is UnauthorizedOperation.

TagSpecification

The tags to apply to the volume during creation.

MultiAttachEnabled

Indicates whether to enable Amazon EBS Multi-Attach. If you enable Multi-Attach, you can attach the volume to up to 16 Instances built on the Nitro System in the same Availability Zone. This parameter is supported with io1 and io2 volumes only. For more information, see Amazon EBS Multi-Attach in the *Amazon Elastic Compute Cloud User Guide*.

Throughput

The throughput to provision for a volume, with a maximum of 1,000 MiB/s.

This parameter is valid only for gp3 volumes.

Valid Range: Minimum value of 125. Maximum value of 1000.

---

ec2_create_vpc	*Create Vpc*

Description

Create Vpc

Usage

```
ec2_create_vpc(
  CidrBlock,
  AmazonProvidedIpv6CidrBlock = NULL,
  Ipv6Pool = NULL,
  Ipv6CidrBlock = NULL,
  DryRun = NULL,
  InstanceTenancy = NULL,
  Ipv6CidrBlockNetworkBorderGroup = NULL,
  TagSpecification = NULL,
  simplify = TRUE,
  others = list(),
  print_on_error = aws_get_print_on_error(),
  retry_time = aws_get_retry_time(),
  network_timeout = aws_get_network_timeout(),
  region = aws_get_region()
)
```

Arguments

`CidrBlock`	Character. The IPv4 network range for the VPC, in CIDR notation.
`AmazonProvidedIpv6CidrBlock`	
	Logical. Requests an Amazon-provided IPv6 CIDR block with a /56 prefix length for the VPC.[optional]
`Ipv6Pool`	Character. The ID of an IPv6 address pool from which to allocate the IPv6 CIDR block.[optional]
`Ipv6CidrBlock`	Character. The IPv6 CIDR block from the IPv6 address pool.[optional]
`DryRun`	Logical. Checks whether you have the required permissions for the action, without actually making the request,...[optional]
`InstanceTenancy`	
	Character. The tenancy options for instances launched into the VPC.[optional]
`Ipv6CidrBlockNetworkBorderGroup`	
	Character. The name of the location from which we advertise the IPV6 CIDR block.[optional]
`TagSpecification`	
	List. The tags to assign to the VPC.[optional]
`simplify`	Logical. Whether to simplify the result and handle `nextToken` in the response[optional]
`others`	Named list. The parameters that are not included in the function parameters and need to be added into the request[optional]
`print_on_error`	Logical. Whether to show an error message when a network error occurs.
`retry_time`	Integer. Number of retries for a REST request when encounter the network issue. If the request has been sent `retry_time` times but still not be able to get the response, an error will be thrown.
`network_timeout`	
	Numeric. Number of seconds to wait for a REST response until giving up. Can not be less than 1 ms.

region   Character. The region of the AWS service.

Value

A list object or a character vector

CidrBlock

The IPv4 network range for the VPC, in CIDR notation. For example, 10.0.0.0/16. We modify the specified CIDR block to its canonical form; for example, if you specify 100.68.0.18/18, we modify it to 100.68.0.0/18.

AmazonProvidedIpv6CidrBlock

Requests an Amazon-provided IPv6 CIDR block with a /56 prefix length for the VPC. You cannot specify the range of IP addresses, or the size of the CIDR block.

Ipv6Pool

The ID of an IPv6 address pool from which to allocate the IPv6 CIDR block.

Ipv6CidrBlock

The IPv6 CIDR block from the IPv6 address pool. You must also specify `Ipv6Pool` in the request.

To let Amazon choose the IPv6 CIDR block for you, omit this parameter.

DryRun

Checks whether you have the required permissions for the action, without actually making the request, and provides an error response. If you have the required permissions, the error response is `DryRunOperation`. Otherwise, it is `UnauthorizedOperation`.

InstanceTenancy

The tenancy options for instances launched into the VPC. For `default`, instances are launched with shared tenancy by default. You can launch instances with any tenancy into a shared tenancy VPC. For `dedicated`, instances are launched as dedicated tenancy instances by default. You can only launch instances with a tenancy of `dedicated` or `host` into a dedicated tenancy VPC.

Important: The `host` value cannot be used with this parameter. Use the `default` or `dedicated` values only.

Default: `default`

Ipv6CidrBlockNetworkBorderGroup

The name of the location from which we advertise the IPV6 CIDR block. Use this parameter to limit the address to this location.

You must set `AmazonProvidedIpv6CidrBlock` to `true` to use this parameter.

TagSpecification

The tags to assign to the VPC.

---

ec2_create_vpc_endpoint

Create Vpc Endpoint

Description

Create Vpc Endpoint

Usage

```
ec2_create_vpc_endpoint(
  VpcId,
  ServiceName,
  DryRun = NULL,
  VpcEndpointType = NULL,
  PolicyDocument = NULL,
  RouteTableId = NULL,
  SubnetId = NULL,
  SecurityGroupId = NULL,
  ClientToken = NULL,
  PrivateDnsEnabled = NULL,
  TagSpecification = NULL,
  simplify = TRUE,
  others = list(),
  print_on_error = aws_get_print_on_error(),
  retry_time = aws_get_retry_time(),
  network_timeout = aws_get_network_timeout(),
  region = aws_get_region()
)
```

Arguments

VpcId	Character. The ID of the VPC in which the endpoint will be used.
ServiceName	Character. The service name.
DryRun	Logical. Checks whether you have the required permissions for the action, without actually making the request,...[optional]
VpcEndpointType	
	Character. The type of endpoint. Default: Gateway [optional]
PolicyDocument	Character. (Interface and gateway endpoints) A policy to attach to the endpoint that controls access to the...[optional]
RouteTableId	List. (Gateway endpoint) One or more route table IDs.[optional]

SubnetId	List. (Interface and Gateway Load Balancer endpoints) The ID of one or more subnets in which to create...[optional]
SecurityGroupId	
	List. (Interface endpoint) The ID of one or more security groups to associate with the endpoint network...[optional]
ClientToken	Character. Unique, case-sensitive identifier that you provide to ensure the idempotency of the request.[optional]
PrivateDnsEnabled	
	Logical. (Interface endpoint) Indicates whether to associate a private hosted zone with the specified VPC.[optional]
TagSpecification	
	List. The tags to associate with the endpoint.[optional]
simplify	Logical. Whether to simplify the result and handle nextToken in the response[optional]
others	Named list. The parameters that are not included in the function parameters and need to be added into the request[optional]
print_on_error	Logical. Whether to show an error message when a network error occurs.
retry_time	Integer. Number of retries for a REST request when encounter the network issue. If the request has been sent retry_time times but still not be able to get the response, an error will be thrown.
network_timeout	
	Numeric. Number of seconds to wait for a REST response until giving up. Can not be less than 1 ms.
region	Character. The region of the AWS service.

Value

A list object or a character vector

VpcId

The ID of the VPC in which the endpoint will be used.

ServiceName

The service name. To get a list of available services, use the DescribeVpcEndpointServices request, or get the name from the service provider.

DryRun

Checks whether you have the required permissions for the action, without actually making the request, and provides an error response. If you have the required permissions, the error response is DryRunOperation. Otherwise, it is UnauthorizedOperation.

VpcEndpointType

The type of endpoint.

Default: Gateway

PolicyDocument

(Interface and gateway endpoints) A policy to attach to the endpoint that controls access to the service. The policy must be in valid JSON format. If this parameter is not specified, we attach a default policy that allows full access to the service.

RouteTableId

(Gateway endpoint) One or more route table IDs.

SubnetId

(Interface and Gateway Load Balancer endpoints) The ID of one or more subnets in which to create an endpoint network interface. For a Gateway Load Balancer endpoint, you can specify one subnet only.

SecurityGroupId

(Interface endpoint) The ID of one or more security groups to associate with the endpoint network interface.

ClientToken

Unique, case-sensitive identifier that you provide to ensure the idempotency of the request. For more information, see How to Ensure Idempotency.

PrivateDnsEnabled

(Interface endpoint) Indicates whether to associate a private hosted zone with the specified VPC. The private hosted zone contains a record set for the default public DNS name for the service for the Region (for example, kinesis.us-east-1.amazonaws.com), which resolves to the private IP addresses of the endpoint network interfaces in the VPC. This enables you to make requests to the default public DNS name for the service instead of the public DNS names that are automatically generated by the VPC endpoint service.

To use a private hosted zone, you must set the following VPC attributes to `true`: `enableDnsHostnames` and `enableDnsSupport`. Use ModifyVpcAttribute to set the VPC attributes.

Default: `true`

TagSpecification

The tags to associate with the endpoint.

ec2_create_vpc_endpoint_connection_notification

Create Vpc Endpoint Connection Notification

Description

Create Vpc Endpoint Connection Notification

Usage

```
ec2_create_vpc_endpoint_connection_notification(
  ConnectionNotificationArn,
  ConnectionEvents,
  DryRun = NULL,
  ServiceId = NULL,
  VpcEndpointId = NULL,
  ClientToken = NULL,
  simplify = TRUE,
  others = list(),
  print_on_error = aws_get_print_on_error(),
  retry_time = aws_get_retry_time(),
  network_timeout = aws_get_network_timeout(),
  region = aws_get_region()
)
```

Arguments

ConnectionNotificationArn

Character. The ARN of the SNS topic for the notifications.

ConnectionEvents

List. One or more endpoint events for which to receive notifications.

DryRun   Logical. Checks whether you have the required permissions for the action, without actually making the request,...[optional]

ServiceId   Character. The ID of the endpoint service.[optional]

VpcEndpointId   Character. The ID of the endpoint.[optional]

ClientToken   Character. Unique, case-sensitive identifier that you provide to ensure the idempotency of the request.[optional]

simplify   Logical. Whether to simplify the result and handle nextToken in the response[optional]

others   Named list. The parameters that are not included in the function parameters and need to be added into the request[optional]

print_on_error Logical. Whether to show an error message when a network error occurs.

retry_time   Integer. Number of retries for a REST request when encounter the network issue. If the request has been sent retry_time times but still not be able to get the response, an error will be thrown.

network_timeout

          Numeric. Number of seconds to wait for a REST response until giving up. Can not be less than 1 ms.

region   Character. The region of the AWS service.

Value

A list object or a character vector

ConnectionNotificationArn

The ARN of the SNS topic for the notifications.

ConnectionEvents

One or more endpoint events for which to receive notifications. Valid values are `Accept`, `Connect`, `Delete`, and `Reject`.

DryRun

Checks whether you have the required permissions for the action, without actually making the request, and provides an error response. If you have the required permissions, the error response is `DryRunOperation`. Otherwise, it is `UnauthorizedOperation`.

ServiceId

The ID of the endpoint service.

VpcEndpointId

The ID of the endpoint.

ClientToken

Unique, case-sensitive identifier that you provide to ensure the idempotency of the request. For more information, see How to Ensure Idempotency.

---

ec2_create_vpc_endpoint_service_configuration

Create Vpc Endpoint Service Configuration

Description

Create Vpc Endpoint Service Configuration

Usage

```
ec2_create_vpc_endpoint_service_configuration(
  DryRun = NULL,
  AcceptanceRequired = NULL,
  PrivateDnsName = NULL,
  NetworkLoadBalancerArn = NULL,
  GatewayLoadBalancerArn = NULL,
  ClientToken = NULL,
  TagSpecification = NULL,
  simplify = TRUE,
  others = list(),
  print_on_error = aws_get_print_on_error(),
  retry_time = aws_get_retry_time(),
  network_timeout = aws_get_network_timeout(),
  region = aws_get_region()
)
```

Arguments

DryRun	Logical. Checks whether you have the required permissions for the action, without actually making the request,...[optional]
AcceptanceRequired	
	Logical. Indicates whether requests from service consumers to create an endpoint to your service must be accepted....[optional]
PrivateDnsName	Character. (Interface endpoint configuration) The private DNS name to assign to the VPC endpoint service.[optional]
NetworkLoadBalancerArn	
	List. The Amazon Resource Names (ARNs) of one or more Network Load Balancers for your service.[optional]
GatewayLoadBalancerArn	
	List. The Amazon Resource Names (ARNs) of one or more Gateway Load Balancers.[optional]
ClientToken	Character. Unique, case-sensitive identifier that you provide to ensure the idempotency of the request.[optional]
TagSpecification	
	List. The tags to associate with the service.[optional]
simplify	Logical. Whether to simplify the result and handle nextToken in the response[optional]
others	Named list. The parameters that are not included in the function parameters and need to be added into the request[optional]
print_on_error	Logical. Whether to show an error message when a network error occurs.
retry_time	Integer. Number of retries for a REST request when encounter the network issue. If the request has been sent retry_time times but still not be able to get the response, an error will be thrown.
network_timeout	
	Numeric. Number of seconds to wait for a REST response until giving up. Can not be less than 1 ms.
region	Character. The region of the AWS service.

Value

A list object or a character vector

DryRun

Checks whether you have the required permissions for the action, without actually making the request, and provides an error response. If you have the required permissions, the error response is `DryRunOperation`. Otherwise, it is `UnauthorizedOperation`.

AcceptanceRequired

Indicates whether requests from service consumers to create an endpoint to your service must be accepted. To accept a request, use AcceptVpcEndpointConnections.

PrivateDnsName

(Interface endpoint configuration) The private DNS name to assign to the VPC endpoint service.

NetworkLoadBalancerArn

The Amazon Resource Names (ARNs) of one or more Network Load Balancers for your service.

GatewayLoadBalancerArn

The Amazon Resource Names (ARNs) of one or more Gateway Load Balancers.

ClientToken

Unique, case-sensitive identifier that you provide to ensure the idempotency of the request. For more information, see How to Ensure Idempotency.

TagSpecification

The tags to associate with the service.

---

ec2_create_vpc_peering_connection
Create Vpc Peering Connection

Description

Create Vpc Peering Connection

Usage

```
ec2_create_vpc_peering_connection(
  DryRun = NULL,
  PeerOwnerId = NULL,
  PeerVpcId = NULL,
  VpcId = NULL,
  PeerRegion = NULL,
  TagSpecification = NULL,
  simplify = TRUE,
  others = list(),
  print_on_error = aws_get_print_on_error(),
  retry_time = aws_get_retry_time(),
  network_timeout = aws_get_network_timeout(),
  region = aws_get_region()
)
```

Arguments

DryRun	Logical. Checks whether you have the required permissions for the action, without actually making the request,...[optional]
PeerOwnerId	Character. The AWS account ID of the owner of the accepter VPC. Default: Your AWS account ID [optional]
PeerVpcId	Character. The ID of the VPC with which you are creating the VPC peering connection.[optional]
VpcId	Character. The ID of the requester VPC. You must specify this parameter in the request.[optional]
PeerRegion	Character. The Region code for the accepter VPC, if the accepter VPC is located in a Region other than the...[optional]
TagSpecification	
	List. The tags to assign to the peering connection.[optional]
simplify	Logical. Whether to simplify the result and handle nextToken in the response[optional]
others	Named list. The parameters that are not included in the function parameters and need to be added into the request[optional]
print_on_error	Logical. Whether to show an error message when a network error occurs.
retry_time	Integer. Number of retries for a REST request when encounter the network issue. If the request has been sent retry_time times but still not be able to get the response, an error will be thrown.
network_timeout	
	Numeric. Number of seconds to wait for a REST response until giving up. Can not be less than 1 ms.
region	Character. The region of the AWS service.

Value

A list object or a character vector

DryRun

Checks whether you have the required permissions for the action, without actually making the request, and provides an error response. If you have the required permissions, the error response is `DryRunOperation`. Otherwise, it is `UnauthorizedOperation`.

PeerOwnerId

The AWS account ID of the owner of the accepter VPC.

Default: Your AWS account ID

PeerVpcId

The ID of the VPC with which you are creating the VPC peering connection. You must specify this parameter in the request.

VpcId

The ID of the requester VPC. You must specify this parameter in the request.

PeerRegion

The Region code for the accepter VPC, if the accepter VPC is located in a Region other than the Region in which you make the request.

Default: The Region in which you make the request.

TagSpecification

The tags to assign to the peering connection.

---

ec2_create_vpn_connection

Create Vpn Connection

Description

Create Vpn Connection

Usage

```
ec2_create_vpn_connection(
  CustomerGatewayId,
  Type,
  VpnGatewayId = NULL,
  TransitGatewayId = NULL,
  DryRun = NULL,
  Options = NULL,
  TagSpecification = NULL,
```

```
    simplify = TRUE,
    others = list(),
    print_on_error = aws_get_print_on_error(),
    retry_time = aws_get_retry_time(),
    network_timeout = aws_get_network_timeout(),
    region = aws_get_region()
)
```

Arguments

CustomerGatewayId

               Character. The ID of the customer gateway.

Type   Character. The type of VPN connection (ipsec.1).

VpnGatewayId   Character. The ID of the virtual private gateway.[optional]

TransitGatewayId

               Character. The ID of the transit gateway.[optional]

DryRun   Logical. Checks whether you have the required permissions for the action, without actually making the request,...[optional]

Options   Object. The options for the VPN connection.[optional]

TagSpecification

               List. The tags to apply to the VPN connection.[optional]

simplify   Logical. Whether to simplify the result and handle nextToken in the response[optional]

others   Named list. The parameters that are not included in the function parameters and need to be added into the request[optional]

print_on_error Logical. Whether to show an error message when a network error occurs.

retry_time   Integer. Number of retries for a REST request when encounter the network issue. If the request has been sent retry_time times but still not be able to get the response, an error will be thrown.

network_timeout

               Numeric. Number of seconds to wait for a REST response until giving up. Can not be less than 1 ms.

region   Character. The region of the AWS service.

Value

A list object or a character vector

CustomerGatewayId

The ID of the customer gateway.

Type

The type of VPN connection (ipsec.1).

VpnGatewayId

The ID of the virtual private gateway. If you specify a virtual private gateway, you cannot specify a transit gateway.

TransitGatewayId

The ID of the transit gateway. If you specify a transit gateway, you cannot specify a virtual private gateway.

DryRun

Checks whether you have the required permissions for the action, without actually making the request, and provides an error response. If you have the required permissions, the error response is `DryRunOperation`. Otherwise, it is `UnauthorizedOperation`.

Options

The options for the VPN connection.

TagSpecification

The tags to apply to the VPN connection.

---

ec2_create_vpn_connection_route

Create Vpn Connection Route

Description

Create Vpn Connection Route

Usage

```
ec2_create_vpn_connection_route(
  DestinationCidrBlock,
  VpnConnectionId,
  simplify = TRUE,
  others = list(),
  print_on_error = aws_get_print_on_error(),
  retry_time = aws_get_retry_time(),
  network_timeout = aws_get_network_timeout(),
  region = aws_get_region()
)
```

Arguments

DestinationCidrBlock
:   Character. The CIDR block associated with the local subnet of the customer network.

VpnConnectionId
:   Character. The ID of the VPN connection.

simplify
:   Logical. Whether to simplify the result and handle `nextToken` in the response[optional]

others
:   Named list. The parameters that are not included in the function parameters and need to be added into the request[optional]

print_on_error
:   Logical. Whether to show an error message when a network error occurs.

retry_time
:   Integer. Number of retries for a REST request when encounter the network issue. If the request has been sent `retry_time` times but still not be able to get the response, an error will be thrown.

network_timeout
:   Numeric. Number of seconds to wait for a REST response until giving up. Can not be less than 1 ms.

region
:   Character. The region of the AWS service.

Value

A list object or a character vector

DestinationCidrBlock

The CIDR block associated with the local subnet of the customer network.

VpnConnectionId

The ID of the VPN connection.

---

ec2_create_vpn_gateway

Create Vpn Gateway

Description

Create Vpn Gateway

Usage

```
ec2_create_vpn_gateway(
  Type,
  AvailabilityZone = NULL,
  TagSpecification = NULL,
  AmazonSideAsn = NULL,
```

```
    DryRun = NULL,
    simplify = TRUE,
    others = list(),
    print_on_error = aws_get_print_on_error(),
    retry_time = aws_get_retry_time(),
    network_timeout = aws_get_network_timeout(),
    region = aws_get_region()
)
```

Arguments

Type	Character. The type of VPN connection this virtual private gateway supports.
AvailabilityZone	
	Character. The Availability Zone for the virtual private gateway.[optional]
TagSpecification	
	List. The tags to apply to the virtual private gateway.[optional]
AmazonSideAsn	Integer. A private Autonomous System Number (ASN) for the Amazon side of a BGP session.[optional]
DryRun	Logical. Checks whether you have the required permissions for the action, without actually making the request,...[optional]
simplify	Logical. Whether to simplify the result and handle nextToken in the response[optional]
others	Named list. The parameters that are not included in the function parameters and need to be added into the request[optional]
print_on_error	Logical. Whether to show an error message when a network error occurs.
retry_time	Integer. Number of retries for a REST request when encounter the network issue. If the request has been sent retry_time times but still not be able to get the response, an error will be thrown.
network_timeout	
	Numeric. Number of seconds to wait for a REST response until giving up. Can not be less than 1 ms.
region	Character. The region of the AWS service.

Value

A list object or a character vector

Type

The type of VPN connection this virtual private gateway supports.

AvailabilityZone

The Availability Zone for the virtual private gateway.

TagSpecification

The tags to apply to the virtual private gateway.

AmazonSideAsn

A private Autonomous System Number (ASN) for the Amazon side of a BGP session. If you\'re using a 16-bit ASN, it must be in the 64512 to 65534 range. If you\'re using a 32-bit ASN, it must be in the 4200000000 to 4294967294 range.

Default: 64512

DryRun

Checks whether you have the required permissions for the action, without actually making the request, and provides an error response. If you have the required permissions, the error response is `DryRunOperation`. Otherwise, it is `UnauthorizedOperation`.

---

ec2_delete_carrier_gateway

Delete Carrier Gateway

Description

Delete Carrier Gateway

Usage

```
ec2_delete_carrier_gateway(
  CarrierGatewayId,
  DryRun = NULL,
  simplify = TRUE,
  others = list(),
  print_on_error = aws_get_print_on_error(),
  retry_time = aws_get_retry_time(),
  network_timeout = aws_get_network_timeout(),
  region = aws_get_region()
)
```

Arguments

CarrierGatewayId

> Character. The ID of the carrier gateway.

DryRun   Logical. Checks whether you have the required permissions for the action, without actually making the request,...[optional]

simplify   Logical. Whether to simplify the result and handle `nextToken` in the response[optional]

others   Named list. The parameters that are not included in the function parameters and need to be added into the request[optional]

print_on_error Logical. Whether to show an error message when a network error occurs.

retry_time   Integer. Number of retries for a REST request when encounter the network issue. If the request has been sent `retry_time` times but still not be able to get the response, an error will be thrown.

network_timeout

> Numeric. Number of seconds to wait for a REST response until giving up. Can not be less than 1 ms.

region   Character. The region of the AWS service.

Value

A list object or a character vector

CarrierGatewayId

The ID of the carrier gateway.

DryRun

Checks whether you have the required permissions for the action, without actually making the request, and provides an error response. If you have the required permissions, the error response is DryRunOperation. Otherwise, it is UnauthorizedOperation.

---

ec2_delete_client_vpn_endpoint
Delete Client Vpn Endpoint

Description

Deletes the specified Client VPN endpoint. You must disassociate all target networks before you can delete a Client VPN endpoint.

Usage

```
ec2_delete_client_vpn_endpoint(
  ClientVpnEndpointId,
  DryRun = NULL,
  simplify = TRUE,
  others = list(),
  print_on_error = aws_get_print_on_error(),
  retry_time = aws_get_retry_time(),
  network_timeout = aws_get_network_timeout(),
  region = aws_get_region()
)
```

Arguments

ClientVpnEndpointId

> Character. The ID of the Client VPN to be deleted.

DryRun   Logical. Checks whether you have the required permissions for the action, without actually making the request,...[optional]

simplify	Logical. Whether to simplify the result and handle `nextToken` in the response[optional]
others	Named list. The parameters that are not included in the function parameters and need to be added into the request[optional]
print_on_error	Logical. Whether to show an error message when a network error occurs.
retry_time	Integer. Number of retries for a REST request when encounter the network issue. If the request has been sent `retry_time` times but still not be able to get the response, an error will be thrown.
network_timeout	
	Numeric. Number of seconds to wait for a REST response until giving up. Can not be less than 1 ms.
region	Character. The region of the AWS service.

Value

A list object or a character vector

ClientVpnEndpointId

The ID of the Client VPN to be deleted.

DryRun

Checks whether you have the required permissions for the action, without actually making the request, and provides an error response. If you have the required permissions, the error response is `DryRunOperation`. Otherwise, it is `UnauthorizedOperation`.

---

ec2_delete_client_vpn_route

Delete Client Vpn Route

Description

Deletes a route from a Client VPN endpoint. You can only delete routes that you manually added using the **CreateClientVpnRoute** action. You cannot delete routes that were automatically added when associating a subnet. To remove routes that have been automatically added, disassociate the target subnet from the Client VPN endpoint.

Usage

```
ec2_delete_client_vpn_route(
  ClientVpnEndpointId,
  DestinationCidrBlock,
  TargetVpcSubnetId = NULL,
  DryRun = NULL,
  simplify = TRUE,
  others = list(),
```

```
    print_on_error = aws_get_print_on_error(),
    retry_time = aws_get_retry_time(),
    network_timeout = aws_get_network_timeout(),
    region = aws_get_region()
)
```

Arguments

ClientVpnEndpointId

> Character. The ID of the Client VPN endpoint from which the route is to be deleted.

DestinationCidrBlock

> Character. The IPv4 address range, in CIDR notation, of the route to be deleted.

TargetVpcSubnetId

> Character. The ID of the target subnet used by the route.[optional]

DryRun   Logical. Checks whether you have the required permissions for the action, without actually making the request,...[optional]

simplify   Logical. Whether to simplify the result and handle nextToken in the response[optional]

others   Named list. The parameters that are not included in the function parameters and need to be added into the request[optional]

print_on_error Logical. Whether to show an error message when a network error occurs.

retry_time   Integer. Number of retries for a REST request when encounter the network issue. If the request has been sent retry_time times but still not be able to get the response, an error will be thrown.

network_timeout

> Numeric. Number of seconds to wait for a REST response until giving up. Can not be less than 1 ms.

region   Character. The region of the AWS service.

Value

A list object or a character vector

ClientVpnEndpointId

The ID of the Client VPN endpoint from which the route is to be deleted.

DestinationCidrBlock

The IPv4 address range, in CIDR notation, of the route to be deleted.

TargetVpcSubnetId

The ID of the target subnet used by the route.

DryRun

Checks whether you have the required permissions for the action, without actually making the request, and provides an error response. If you have the required permissions, the error response is `DryRunOperation`. Otherwise, it is `UnauthorizedOperation`.

---

ec2_delete_customer_gateway

Delete Customer Gateway

Description

Deletes the specified customer gateway. You must delete the VPN connection before you can delete the customer gateway.

Usage

```
ec2_delete_customer_gateway(
  CustomerGatewayId,
  DryRun = NULL,
  simplify = TRUE,
  others = list(),
  print_on_error = aws_get_print_on_error(),
  retry_time = aws_get_retry_time(),
  network_timeout = aws_get_network_timeout(),
  region = aws_get_region()
)
```

Arguments

CustomerGatewayId

Character. The ID of the customer gateway.

DryRun   Logical. Checks whether you have the required permissions for the action, without actually making the request,...[optional]

simplify   Logical. Whether to simplify the result and handle `nextToken` in the response[optional]

others   Named list. The parameters that are not included in the function parameters and need to be added into the request[optional]

print_on_error Logical. Whether to show an error message when a network error occurs.

retry_time   Integer. Number of retries for a REST request when encounter the network issue. If the request has been sent `retry_time` times but still not be able to get the response, an error will be thrown.

network_timeout

Numeric. Number of seconds to wait for a REST response until giving up. Can not be less than 1 ms.

region   Character. The region of the AWS service.

Value

A list object or a character vector

CustomerGatewayId

The ID of the customer gateway.

DryRun

Checks whether you have the required permissions for the action, without actually making the request, and provides an error response. If you have the required permissions, the error response is DryRunOperation. Otherwise, it is UnauthorizedOperation.

---

ec2_delete_dhcp_options

Delete Dhcp Options

Description

Deletes the specified set of DHCP options. You must disassociate the set of DHCP options before you can delete it. You can disassociate the set of DHCP options by associating either a new set of options or the default set of options with the VPC.

Usage

```
ec2_delete_dhcp_options(
  DhcpOptionsId,
  DryRun = NULL,
  simplify = TRUE,
  others = list(),
  print_on_error = aws_get_print_on_error(),
  retry_time = aws_get_retry_time(),
  network_timeout = aws_get_network_timeout(),
  region = aws_get_region()
)
```

Arguments

DhcpOptionsId	Character. The ID of the DHCP options set.
DryRun	Logical. Checks whether you have the required permissions for the action, without actually making the request,...[optional]
simplify	Logical. Whether to simplify the result and handle nextToken in the response[optional]
others	Named list. The parameters that are not included in the function parameters and need to be added into the request[optional]
print_on_error	Logical. Whether to show an error message when a network error occurs.

retry_time	Integer. Number of retries for a REST request when encounter the network issue. If the request has been sent `retry_time` times but still not be able to get the response, an error will be thrown.
network_timeout	
	Numeric. Number of seconds to wait for a REST response until giving up. Can not be less than 1 ms.
region	Character. The region of the AWS service.

Value

A list object or a character vector

DhcpOptionsId

The ID of the DHCP options set.

DryRun

Checks whether you have the required permissions for the action, without actually making the request, and provides an error response. If you have the required permissions, the error response is `DryRunOperation`. Otherwise, it is `UnauthorizedOperation`.

---

ec2_delete_egress_only_internet_gateway
Delete Egress Only Internet Gateway

Description

Deletes an egress-only internet gateway.

Usage

```
ec2_delete_egress_only_internet_gateway(
  EgressOnlyInternetGatewayId,
  DryRun = NULL,
  simplify = TRUE,
  others = list(),
  print_on_error = aws_get_print_on_error(),
  retry_time = aws_get_retry_time(),
  network_timeout = aws_get_network_timeout(),
  region = aws_get_region()
)
```

Arguments

EgressOnlyInternetGatewayId

Character. The ID of the egress-only internet gateway.

DryRun   Logical. Checks whether you have the required permissions for the action, with-
                    out actually making the request,...[optional]

simplify   Logical. Whether to simplify the result and handle nextToken in the response[optional]

others   Named list. The parameters that are not included in the function parameters and
                    need to be added into the request[optional]

print_on_error   Logical. Whether to show an error message when a network error occurs.

retry_time   Integer. Number of retries for a REST request when encounter the network
                    issue. If the request has been sent retry_time times but still not be able to get
                    the response, an error will be thrown.

network_timeout

Numeric. Number of seconds to wait for a REST response until giving up. Can
not be less than 1 ms.

region   Character. The region of the AWS service.

Value

A list object or a character vector

EgressOnlyInternetGatewayId

The ID of the egress-only internet gateway.

DryRun

Checks whether you have the required permissions for the action, without actually making the
request, and provides an error response. If you have the required permissions, the error response is
DryRunOperation. Otherwise, it is UnauthorizedOperation.

---

ec2_delete_fleets   *Delete Fleets*

Description

Delete Fleets

Usage

```
ec2_delete_fleets(
  FleetId,
  TerminateInstances,
  DryRun = NULL,
  simplify = TRUE,
```

```
    others = list(),
    print_on_error = aws_get_print_on_error(),
    retry_time = aws_get_retry_time(),
    network_timeout = aws_get_network_timeout(),
    region = aws_get_region()
)
```

Arguments

FleetId	List. The IDs of the EC2 Fleets.
TerminateInstances	
	Logical. Indicates whether to terminate the instances when the EC2 Fleet is deleted.
DryRun	Logical. Checks whether you have the required permissions for the action, without actually making the request,...[optional]
simplify	Logical. Whether to simplify the result and handle nextToken in the response[optional]
others	Named list. The parameters that are not included in the function parameters and need to be added into the request[optional]
print_on_error	Logical. Whether to show an error message when a network error occurs.
retry_time	Integer. Number of retries for a REST request when encounter the network issue. If the request has been sent retry_time times but still not be able to get the response, an error will be thrown.
network_timeout	
	Numeric. Number of seconds to wait for a REST response until giving up. Can not be less than 1 ms.
region	Character. The region of the AWS service.

Value

A list object or a character vector

FleetId

The IDs of the EC2 Fleets.

TerminateInstances

Indicates whether to terminate the instances when the EC2 Fleet is deleted. The default is to terminate the instances.

To let the instances continue to run after the EC2 Fleet is deleted, specify NoTerminateInstances. Supported only for fleets of type maintain and request.

For instant fleets, you cannot specify NoTerminateInstances. A deleted instant fleet with running instances is not supported.

DryRun

Checks whether you have the required permissions for the action, without actually making the request, and provides an error response. If you have the required permissions, the error response is `DryRunOperation`. Otherwise, it is `UnauthorizedOperation`.

---

ec2_delete_flow_logs   *Delete Flow Logs*

Description

Deletes one or more flow logs.

Usage

```
ec2_delete_flow_logs(
  FlowLogId,
  DryRun = NULL,
  simplify = TRUE,
  others = list(),
  print_on_error = aws_get_print_on_error(),
  retry_time = aws_get_retry_time(),
  network_timeout = aws_get_network_timeout(),
  region = aws_get_region()
)
```

Arguments

FlowLogId	List. One or more flow log IDs. Constraint: Maximum of 1000 flow log IDs.
DryRun	Logical. Checks whether you have the required permissions for the action, without actually making the request,...[optional]
simplify	Logical. Whether to simplify the result and handle `nextToken` in the response[optional]
others	Named list. The parameters that are not included in the function parameters and need to be added into the request[optional]
print_on_error	Logical. Whether to show an error message when a network error occurs.
retry_time	Integer. Number of retries for a REST request when encounter the network issue. If the request has been sent `retry_time` times but still not be able to get the response, an error will be thrown.
network_timeout	
	Numeric. Number of seconds to wait for a REST response until giving up. Can not be less than 1 ms.
region	Character. The region of the AWS service.

Value

A list object or a character vector

FlowLogId

One or more flow log IDs.

Constraint: Maximum of 1000 flow log IDs.

DryRun

Checks whether you have the required permissions for the action, without actually making the request, and provides an error response. If you have the required permissions, the error response is `DryRunOperation`. Otherwise, it is `UnauthorizedOperation`.

`ec2_delete_fpga_image` *Delete Fpga Image*

Description

Deletes the specified Amazon FPGA Image (AFI).

Usage

```
ec2_delete_fpga_image(
  FpgaImageId,
  DryRun = NULL,
  simplify = TRUE,
  others = list(),
  print_on_error = aws_get_print_on_error(),
  retry_time = aws_get_retry_time(),
  network_timeout = aws_get_network_timeout(),
  region = aws_get_region()
)
```

Arguments

FpgaImageId	Character. The ID of the AFI.
DryRun	Logical. Checks whether you have the required permissions for the action, without actually making the request,...[optional]
simplify	Logical. Whether to simplify the result and handle `nextToken` in the response[optional]
others	Named list. The parameters that are not included in the function parameters and need to be added into the request[optional]
print_on_error	Logical. Whether to show an error message when a network error occurs.
retry_time	Integer. Number of retries for a REST request when encounter the network issue. If the request has been sent `retry_time` times but still not be able to get the response, an error will be thrown.
network_timeout	
	Numeric. Number of seconds to wait for a REST response until giving up. Can not be less than 1 ms.
region	Character. The region of the AWS service.

Value

A list object or a character vector

FpgaImageId

The ID of the AFI.

DryRun

Checks whether you have the required permissions for the action, without actually making the request, and provides an error response. If you have the required permissions, the error response is `DryRunOperation`. Otherwise, it is `UnauthorizedOperation`.

---

ec2_delete_internet_gateway

Delete Internet Gateway

Description

Deletes the specified internet gateway. You must detach the internet gateway from the VPC before you can delete it.

Usage

```
ec2_delete_internet_gateway(
  InternetGatewayId,
  DryRun = NULL,
  simplify = TRUE,
  others = list(),
  print_on_error = aws_get_print_on_error(),
  retry_time = aws_get_retry_time(),
  network_timeout = aws_get_network_timeout(),
  region = aws_get_region()
)
```

Arguments

InternetGatewayId

Character. The ID of the internet gateway.

DryRun   Logical. Checks whether you have the required permissions for the action, without actually making the request,...[optional]

simplify   Logical. Whether to simplify the result and handle `nextToken` in the response[optional]

others   Named list. The parameters that are not included in the function parameters and need to be added into the request[optional]

print_on_error Logical. Whether to show an error message when a network error occurs.

retry_time   Integer. Number of retries for a REST request when encounter the network
                  issue. If the request has been sent retry_time times but still not be able to get
                  the response, an error will be thrown.

network_timeout
                  Numeric. Number of seconds to wait for a REST response until giving up. Can
                  not be less than 1 ms.

region   Character. The region of the AWS service.

Value

A list object or a character vector

InternetGatewayId

The ID of the internet gateway.

DryRun

Checks whether you have the required permissions for the action, without actually making the
request, and provides an error response. If you have the required permissions, the error response is
DryRunOperation. Otherwise, it is UnauthorizedOperation.

---

ec2_delete_key_pair   *Delete Key Pair*

Description

Deletes the specified key pair, by removing the public key from Amazon EC2.

Usage

```
ec2_delete_key_pair(
  KeyName = NULL,
  KeyPairId = NULL,
  DryRun = NULL,
  simplify = TRUE,
  others = list(),
  print_on_error = aws_get_print_on_error(),
  retry_time = aws_get_retry_time(),
  network_timeout = aws_get_network_timeout(),
  region = aws_get_region()
)
```

Arguments

KeyName	Character. The name of the key pair.[optional]
KeyPairId	Character. The ID of the key pair.[optional]
DryRun	Logical. Checks whether you have the required permissions for the action, without actually making the request,...[optional]
simplify	Logical. Whether to simplify the result and handle nextToken in the response[optional]
others	Named list. The parameters that are not included in the function parameters and need to be added into the request[optional]
print_on_error	Logical. Whether to show an error message when a network error occurs.
retry_time	Integer. Number of retries for a REST request when encounter the network issue. If the request has been sent retry_time times but still not be able to get the response, an error will be thrown.
network_timeout	
	Numeric. Number of seconds to wait for a REST response until giving up. Can not be less than 1 ms.
region	Character. The region of the AWS service.

Value

A list object or a character vector

KeyName

The name of the key pair.

KeyPairId

The ID of the key pair.

DryRun

Checks whether you have the required permissions for the action, without actually making the request, and provides an error response. If you have the required permissions, the error response is DryRunOperation. Otherwise, it is UnauthorizedOperation.

---

ec2_delete_launch_template

Delete Launch Template

Description

Deletes a launch template. Deleting a launch template deletes all of its versions.

Usage

```
ec2_delete_launch_template(
  DryRun = NULL,
  LaunchTemplateId = NULL,
  LaunchTemplateName = NULL,
  simplify = TRUE,
  others = list(),
  print_on_error = aws_get_print_on_error(),
  retry_time = aws_get_retry_time(),
  network_timeout = aws_get_network_timeout(),
  region = aws_get_region()
)
```

Arguments

DryRun   Logical. Checks whether you have the required permissions for the action, with-
                    out actually making the request,...[optional]

LaunchTemplateId
                    Character. The ID of the launch template.[optional]

LaunchTemplateName
                    Character. The name of the launch template.[optional]

simplify   Logical. Whether to simplify the result and handle nextToken in the response[optional]

others   Named list. The parameters that are not included in the function parameters and
                    need to be added into the request[optional]

print_on_error   Logical. Whether to show an error message when a network error occurs.

retry_time   Integer. Number of retries for a REST request when encounter the network
                    issue. If the request has been sent retry_time times but still not be able to get
                    the response, an error will be thrown.

network_timeout
                    Numeric. Number of seconds to wait for a REST response until giving up. Can
                    not be less than 1 ms.

region   Character. The region of the AWS service.

Value

A list object or a character vector

DryRun

Checks whether you have the required permissions for the action, without actually making the
request, and provides an error response. If you have the required permissions, the error response is
DryRunOperation. Otherwise, it is UnauthorizedOperation.

LaunchTemplateId

The ID of the launch template. You must specify either the launch template ID or launch template
name in the request.

LaunchTemplateName

The name of the launch template. You must specify either the launch template ID or launch template name in the request.

---

ec2_delete_launch_template_versions
Delete Launch Template Versions

Description

Deletes one or more versions of a launch template. You cannot delete the default version of a launch template; you must first assign a different version as the default. If the default version is the only version for the launch template, you must delete the entire launch template using Delete-LaunchTemplate.

Usage

```
ec2_delete_launch_template_versions(
  LaunchTemplateVersion,
  DryRun = NULL,
  LaunchTemplateId = NULL,
  LaunchTemplateName = NULL,
  simplify = TRUE,
  others = list(),
  print_on_error = aws_get_print_on_error(),
  retry_time = aws_get_retry_time(),
  network_timeout = aws_get_network_timeout(),
  region = aws_get_region()
)
```

Arguments

LaunchTemplateVersion

List. The version numbers of one or more launch template versions to delete.

DryRun   Logical. Checks whether you have the required permissions for the action, without actually making the request,...[optional]

LaunchTemplateId

Character. The ID of the launch template.[optional]

LaunchTemplateName

Character. The name of the launch template.[optional]

simplify   Logical. Whether to simplify the result and handle nextToken in the response[optional]

others   Named list. The parameters that are not included in the function parameters and need to be added into the request[optional]

print_on_error Logical. Whether to show an error message when a network error occurs.

retry_time	Integer. Number of retries for a REST request when encounter the network issue. If the request has been sent `retry_time` times but still not be able to get the response, an error will be thrown.
network_timeout	
	Numeric. Number of seconds to wait for a REST response until giving up. Can not be less than 1 ms.
region	Character. The region of the AWS service.

Value

A list object or a character vector

LaunchTemplateVersion

The version numbers of one or more launch template versions to delete.

DryRun

Checks whether you have the required permissions for the action, without actually making the request, and provides an error response. If you have the required permissions, the error response is `DryRunOperation`. Otherwise, it is `UnauthorizedOperation`.

LaunchTemplateId

The ID of the launch template. You must specify either the launch template ID or launch template name in the request.

LaunchTemplateName

The name of the launch template. You must specify either the launch template ID or launch template name in the request.

---

ec2_delete_local_gateway_route
Delete Local Gateway Route

Description

Deletes the specified route from the specified local gateway route table.

Usage

```
ec2_delete_local_gateway_route(
  DestinationCidrBlock,
  LocalGatewayRouteTableId,
  DryRun = NULL,
  simplify = TRUE,
```

```
    others = list(),
    print_on_error = aws_get_print_on_error(),
    retry_time = aws_get_retry_time(),
    network_timeout = aws_get_network_timeout(),
    region = aws_get_region()
)
```

Arguments

DestinationCidrBlock

> Character. The CIDR range for the route. This must match the CIDR for the route exactly.

LocalGatewayRouteTableId

> Character. The ID of the local gateway route table.

DryRun   Logical. Checks whether you have the required permissions for the action, without actually making the request,...[optional]

simplify   Logical. Whether to simplify the result and handle `nextToken` in the response[optional]

others   Named list. The parameters that are not included in the function parameters and need to be added into the request[optional]

print_on_error Logical. Whether to show an error message when a network error occurs.

retry_time   Integer. Number of retries for a REST request when encounter the network issue. If the request has been sent `retry_time` times but still not be able to get the response, an error will be thrown.

network_timeout

> Numeric. Number of seconds to wait for a REST response until giving up. Can not be less than 1 ms.

region   Character. The region of the AWS service.

Value

A list object or a character vector

DestinationCidrBlock

The CIDR range for the route. This must match the CIDR for the route exactly.

LocalGatewayRouteTableId

The ID of the local gateway route table.

DryRun

Checks whether you have the required permissions for the action, without actually making the request, and provides an error response. If you have the required permissions, the error response is `DryRunOperation`. Otherwise, it is `UnauthorizedOperation`.

---

ec2_delete_local_gateway_route_table_vpc_association
Delete Local Gateway Route Table Vpc Association

Description

Deletes the specified association between a VPC and local gateway route table.

Usage

```
ec2_delete_local_gateway_route_table_vpc_association(
  LocalGatewayRouteTableVpcAssociationId,
  DryRun = NULL,
  simplify = TRUE,
  others = list(),
  print_on_error = aws_get_print_on_error(),
  retry_time = aws_get_retry_time(),
  network_timeout = aws_get_network_timeout(),
  region = aws_get_region()
)
```

Arguments

LocalGatewayRouteTableVpcAssociationId

Character. The ID of the association.

DryRun	Logical. Checks whether you have the required permissions for the action, without actually making the request,...[optional]
simplify	Logical. Whether to simplify the result and handle nextToken in the response[optional]
others	Named list. The parameters that are not included in the function parameters and need to be added into the request[optional]
print_on_error	Logical. Whether to show an error message when a network error occurs.
retry_time	Integer. Number of retries for a REST request when encounter the network issue. If the request has been sent retry_time times but still not be able to get the response, an error will be thrown.
network_timeout	
	Numeric. Number of seconds to wait for a REST response until giving up. Can not be less than 1 ms.
region	Character. The region of the AWS service.

Value

A list object or a character vector

LocalGatewayRouteTableVpcAssociationId

The ID of the association.

DryRun

Checks whether you have the required permissions for the action, without actually making the request, and provides an error response. If you have the required permissions, the error response is `DryRunOperation`. Otherwise, it is `UnauthorizedOperation`.

---

ec2_delete_managed_prefix_list
Delete Managed Prefix List

Description

Deletes the specified managed prefix list. You must first remove all references to the prefix list in your resources.

Usage

```
ec2_delete_managed_prefix_list(
  PrefixListId,
  DryRun = NULL,
  simplify = TRUE,
  others = list(),
  print_on_error = aws_get_print_on_error(),
  retry_time = aws_get_retry_time(),
  network_timeout = aws_get_network_timeout(),
  region = aws_get_region()
)
```

Arguments

`PrefixListId`	Character. The ID of the prefix list.
`DryRun`	Logical. Checks whether you have the required permissions for the action, without actually making the request,...[optional]
`simplify`	Logical. Whether to simplify the result and handle `nextToken` in the response[optional]
`others`	Named list. The parameters that are not included in the function parameters and need to be added into the request[optional]
`print_on_error`	Logical. Whether to show an error message when a network error occurs.
`retry_time`	Integer. Number of retries for a REST request when encounter the network issue. If the request has been sent `retry_time` times but still not be able to get the response, an error will be thrown.
`network_timeout`	
	Numeric. Number of seconds to wait for a REST response until giving up. Can not be less than 1 ms.
`region`	Character. The region of the AWS service.

Value

A list object or a character vector

PrefixListId

The ID of the prefix list.

DryRun

Checks whether you have the required permissions for the action, without actually making the request, and provides an error response. If you have the required permissions, the error response is `DryRunOperation`. Otherwise, it is `UnauthorizedOperation`.

`ec2_delete_nat_gateway`

Delete Nat Gateway

Description

Deletes the specified NAT gateway. Deleting a NAT gateway disassociates its Elastic IP address, but does not release the address from your account. Deleting a NAT gateway does not delete any NAT gateway routes in your route tables.

Usage

```
ec2_delete_nat_gateway(
  NatGatewayId,
  DryRun = NULL,
  simplify = TRUE,
  others = list(),
  print_on_error = aws_get_print_on_error(),
  retry_time = aws_get_retry_time(),
  network_timeout = aws_get_network_timeout(),
  region = aws_get_region()
)
```

Arguments

NatGatewayId	Character. The ID of the NAT gateway.
DryRun	Logical. Checks whether you have the required permissions for the action, without actually making the request,...[optional]
simplify	Logical. Whether to simplify the result and handle nextToken in the response[optional]
others	Named list. The parameters that are not included in the function parameters and need to be added into the request[optional]
print_on_error	Logical. Whether to show an error message when a network error occurs.

retry_time	Integer. Number of retries for a REST request when encounter the network issue. If the request has been sent `retry_time` times but still not be able to get the response, an error will be thrown.
network_timeout	
	Numeric. Number of seconds to wait for a REST response until giving up. Can not be less than 1 ms.
region	Character. The region of the AWS service.

Value

A list object or a character vector

NatGatewayId

The ID of the NAT gateway.

DryRun

Checks whether you have the required permissions for the action, without actually making the request, and provides an error response. If you have the required permissions, the error response is `DryRunOperation`. Otherwise, it is `UnauthorizedOperation`.

---

ec2_delete_network_acl

Delete Network Acl

Description

Deletes the specified network ACL. You can\'t delete the ACL if it\'s associated with any subnets. You can\'t delete the default network ACL.

Usage

```
ec2_delete_network_acl(
  NetworkAclId,
  DryRun = NULL,
  simplify = TRUE,
  others = list(),
  print_on_error = aws_get_print_on_error(),
  retry_time = aws_get_retry_time(),
  network_timeout = aws_get_network_timeout(),
  region = aws_get_region()
)
```

Arguments

NetworkAclId	Character. The ID of the network ACL.
DryRun	Logical. Checks whether you have the required permissions for the action, without actually making the request,...[optional]
simplify	Logical. Whether to simplify the result and handle nextToken in the response[optional]
others	Named list. The parameters that are not included in the function parameters and need to be added into the request[optional]
print_on_error	Logical. Whether to show an error message when a network error occurs.
retry_time	Integer. Number of retries for a REST request when encounter the network issue. If the request has been sent retry_time times but still not be able to get the response, an error will be thrown.
network_timeout	
	Numeric. Number of seconds to wait for a REST response until giving up. Can not be less than 1 ms.
region	Character. The region of the AWS service.

Value

A list object or a character vector

NetworkAclId

The ID of the network ACL.

DryRun

Checks whether you have the required permissions for the action, without actually making the request, and provides an error response. If you have the required permissions, the error response is DryRunOperation. Otherwise, it is UnauthorizedOperation.

---

ec2_delete_network_acl_entry

Delete Network Acl Entry

Description

Deletes the specified ingress or egress entry (rule) from the specified network ACL.

Usage

```
ec2_delete_network_acl_entry(
  Egress,
  NetworkAclId,
  RuleNumber,
  DryRun = NULL,
  simplify = TRUE,
  others = list(),
  print_on_error = aws_get_print_on_error(),
  retry_time = aws_get_retry_time(),
  network_timeout = aws_get_network_timeout(),
  region = aws_get_region()
)
```

Arguments

Egress	Logical. Indicates whether the rule is an egress rule.
NetworkAclId	Character. The ID of the network ACL.
RuleNumber	Integer. The rule number of the entry to delete.
DryRun	Logical. Checks whether you have the required permissions for the action, without actually making the request,...[optional]
simplify	Logical. Whether to simplify the result and handle nextToken in the response[optional]
others	Named list. The parameters that are not included in the function parameters and need to be added into the request[optional]
print_on_error	Logical. Whether to show an error message when a network error occurs.
retry_time	Integer. Number of retries for a REST request when encounter the network issue. If the request has been sent retry_time times but still not be able to get the response, an error will be thrown.
network_timeout	
	Numeric. Number of seconds to wait for a REST response until giving up. Can not be less than 1 ms.
region	Character. The region of the AWS service.

Value

A list object or a character vector

Egress

Indicates whether the rule is an egress rule.

NetworkAclId

The ID of the network ACL.

RuleNumber

The rule number of the entry to delete.

DryRun

Checks whether you have the required permissions for the action, without actually making the request, and provides an error response. If you have the required permissions, the error response is `DryRunOperation`. Otherwise, it is `UnauthorizedOperation`.

---

ec2_delete_network_insights_analysis
Delete Network Insights Analysis

Description

Deletes the specified network insights analysis.

Usage

```
ec2_delete_network_insights_analysis(
  NetworkInsightsAnalysisId,
  DryRun = NULL,
  simplify = TRUE,
  others = list(),
  print_on_error = aws_get_print_on_error(),
  retry_time = aws_get_retry_time(),
  network_timeout = aws_get_network_timeout(),
  region = aws_get_region()
)
```

Arguments

NetworkInsightsAnalysisId

Character. The ID of the network insights analysis.

DryRun   Logical. Checks whether you have the required permissions for the action, without actually making the request,...[optional]

simplify   Logical. Whether to simplify the result and handle `nextToken` in the response[optional]

others   Named list. The parameters that are not included in the function parameters and need to be added into the request[optional]

print_on_error Logical. Whether to show an error message when a network error occurs.

retry_time   Integer. Number of retries for a REST request when encounter the network issue. If the request has been sent `retry_time` times but still not be able to get the response, an error will be thrown.

network_timeout

Numeric. Number of seconds to wait for a REST response until giving up. Can not be less than 1 ms.

region   Character. The region of the AWS service.

Value

A list object or a character vector

NetworkInsightsAnalysisId

The ID of the network insights analysis.

DryRun

Checks whether you have the required permissions for the action, without actually making the request, and provides an error response. If you have the required permissions, the error response is `DryRunOperation`. Otherwise, it is `UnauthorizedOperation`.

---

ec2_delete_network_insights_path
Delete Network Insights Path

Description

Deletes the specified path.

Usage

```
ec2_delete_network_insights_path(
  NetworkInsightsPathId,
  DryRun = NULL,
  simplify = TRUE,
  others = list(),
  print_on_error = aws_get_print_on_error(),
  retry_time = aws_get_retry_time(),
  network_timeout = aws_get_network_timeout(),
  region = aws_get_region()
)
```

Arguments

NetworkInsightsPathId
    Character. The ID of the path.

DryRun   Logical. Checks whether you have the required permissions for the action, without actually making the request,...[optional]

simplify   Logical. Whether to simplify the result and handle `nextToken` in the response[optional]

others   Named list. The parameters that are not included in the function parameters and need to be added into the request[optional]

print_on_error Logical. Whether to show an error message when a network error occurs.

retry_time	Integer. Number of retries for a REST request when encounter the network issue. If the request has been sent retry_time times but still not be able to get the response, an error will be thrown.
network_timeout	
	Numeric. Number of seconds to wait for a REST response until giving up. Can not be less than 1 ms.
region	Character. The region of the AWS service.

Value

A list object or a character vector

NetworkInsightsPathId

The ID of the path.

DryRun

Checks whether you have the required permissions for the action, without actually making the request, and provides an error response. If you have the required permissions, the error response is DryRunOperation. Otherwise, it is UnauthorizedOperation.

---

ec2_delete_network_interface

Delete Network Interface

Description

Deletes the specified network interface. You must detach the network interface before you can delete it.

Usage

```
ec2_delete_network_interface(
  NetworkInterfaceId,
  DryRun = NULL,
  simplify = TRUE,
  others = list(),
  print_on_error = aws_get_print_on_error(),
  retry_time = aws_get_retry_time(),
  network_timeout = aws_get_network_timeout(),
  region = aws_get_region()
)
```

Arguments

NetworkInterfaceId

    Character. The ID of the network interface.

DryRun   Logical. Checks whether you have the required permissions for the action, without actually making the request,...[optional]

simplify   Logical. Whether to simplify the result and handle nextToken in the response[optional]

others   Named list. The parameters that are not included in the function parameters and need to be added into the request[optional]

print_on_error Logical. Whether to show an error message when a network error occurs.

retry_time   Integer. Number of retries for a REST request when encounter the network issue. If the request has been sent retry_time times but still not be able to get the response, an error will be thrown.

network_timeout

    Numeric. Number of seconds to wait for a REST response until giving up. Can not be less than 1 ms.

region   Character. The region of the AWS service.

Value

A list object or a character vector

NetworkInterfaceId

The ID of the network interface.

DryRun

Checks whether you have the required permissions for the action, without actually making the request, and provides an error response. If you have the required permissions, the error response is DryRunOperation. Otherwise, it is UnauthorizedOperation.

---

ec2_delete_network_interface_permission

Delete Network Interface Permission

Description

Deletes a permission for a network interface. By default, you cannot delete the permission if the account for which you\'re removing the permission has attached the network interface to an instance. However, you can force delete the permission, regardless of any attachment.

Usage

```
ec2_delete_network_interface_permission(
  NetworkInterfacePermissionId,
  Force = NULL,
  DryRun = NULL,
  simplify = TRUE,
  others = list(),
  print_on_error = aws_get_print_on_error(),
  retry_time = aws_get_retry_time(),
  network_timeout = aws_get_network_timeout(),
  region = aws_get_region()
)
```

Arguments

NetworkInterfacePermissionId

> Character. The ID of the network interface permission.

Force
: Logical. Specify `true` to remove the permission even if the network interface is attached to an instance.[optional]

DryRun
: Logical. Checks whether you have the required permissions for the action, without actually making the request,...[optional]

simplify
: Logical. Whether to simplify the result and handle `nextToken` in the response[optional]

others
: Named list. The parameters that are not included in the function parameters and need to be added into the request[optional]

print_on_error Logical. Whether to show an error message when a network error occurs.

retry_time
: Integer. Number of retries for a REST request when encounter the network issue. If the request has been sent `retry_time` times but still not be able to get the response, an error will be thrown.

network_timeout

> Numeric. Number of seconds to wait for a REST response until giving up. Can not be less than 1 ms.

region
: Character. The region of the AWS service.

Value

A list object or a character vector

NetworkInterfacePermissionId

The ID of the network interface permission.

Force

Specify `true` to remove the permission even if the network interface is attached to an instance.

DryRun

Checks whether you have the required permissions for the action, without actually making the request, and provides an error response. If you have the required permissions, the error response is `DryRunOperation`. Otherwise, it is `UnauthorizedOperation`.

---

ec2_delete_placement_group

Delete Placement Group

Description

Deletes the specified placement group. You must terminate all instances in the placement group before you can delete the placement group. For more information, see Placement groups in the *Amazon EC2 User Guide*.

Usage

```
ec2_delete_placement_group(
  GroupName,
  DryRun = NULL,
  simplify = TRUE,
  others = list(),
  print_on_error = aws_get_print_on_error(),
  retry_time = aws_get_retry_time(),
  network_timeout = aws_get_network_timeout(),
  region = aws_get_region()
)
```

Arguments

GroupName	Character. The name of the placement group.
DryRun	Logical. Checks whether you have the required permissions for the action, without actually making the request,...[optional]
simplify	Logical. Whether to simplify the result and handle nextToken in the response[optional]
others	Named list. The parameters that are not included in the function parameters and need to be added into the request[optional]
print_on_error	Logical. Whether to show an error message when a network error occurs.
retry_time	Integer. Number of retries for a REST request when encounter the network issue. If the request has been sent retry_time times but still not be able to get the response, an error will be thrown.
network_timeout	Numeric. Number of seconds to wait for a REST response until giving up. Can not be less than 1 ms.
region	Character. The region of the AWS service.

Value

A list object or a character vector

GroupName

The name of the placement group.

DryRun

Checks whether you have the required permissions for the action, without actually making the request, and provides an error response. If you have the required permissions, the error response is `DryRunOperation`. Otherwise, it is `UnauthorizedOperation`.

`ec2_delete_queued_reserved_instances`

Delete Queued Reserved Instances

Description

Deletes the queued purchases for the specified Reserved Instances.

Usage

```
ec2_delete_queued_reserved_instances(
  ReservedInstancesId,
  DryRun = NULL,
  simplify = TRUE,
  others = list(),
  print_on_error = aws_get_print_on_error(),
  retry_time = aws_get_retry_time(),
  network_timeout = aws_get_network_timeout(),
  region = aws_get_region()
)
```

Arguments

`ReservedInstancesId`	List. The IDs of the Reserved Instances.
`DryRun`	Logical. Checks whether you have the required permissions for the action, without actually making the request,...[optional]
`simplify`	Logical. Whether to simplify the result and handle `nextToken` in the response[optional]
`others`	Named list. The parameters that are not included in the function parameters and need to be added into the request[optional]
`print_on_error`	Logical. Whether to show an error message when a network error occurs.

| retry_time | Integer. Number of retries for a REST request when encounter the network issue. If the request has been sent `retry_time` times but still not be able to get the response, an error will be thrown. |

network_timeout

Numeric. Number of seconds to wait for a REST response until giving up. Can not be less than 1 ms.

| region | Character. The region of the AWS service. |

Value

A list object or a character vector

ReservedInstancesId

The IDs of the Reserved Instances.

DryRun

Checks whether you have the required permissions for the action, without actually making the request, and provides an error response. If you have the required permissions, the error response is `DryRunOperation`. Otherwise, it is `UnauthorizedOperation`.

---

ec2_delete_route   *Delete Route*

Description

Deletes the specified route from the specified route table.

Usage

```
ec2_delete_route(
  RouteTableId,
  DestinationCidrBlock = NULL,
  DestinationIpv6CidrBlock = NULL,
  DestinationPrefixListId = NULL,
  DryRun = NULL,
  simplify = TRUE,
  others = list(),
  print_on_error = aws_get_print_on_error(),
  retry_time = aws_get_retry_time(),
  network_timeout = aws_get_network_timeout(),
  region = aws_get_region()
)
```

Arguments

RouteTableId	Character. The ID of the route table.
DestinationCidrBlock	
	Character. The IPv4 CIDR range for the route. The value you specify must match the CIDR for the route exactly.[optional]
DestinationIpv6CidrBlock	
	Character. The IPv6 CIDR range for the route. The value you specify must match the CIDR for the route exactly.[optional]
DestinationPrefixListId	
	Character. The ID of the prefix list for the route.[optional]
DryRun	Logical. Checks whether you have the required permissions for the action, without actually making the request,...[optional]
simplify	Logical. Whether to simplify the result and handle nextToken in the response[optional]
others	Named list. The parameters that are not included in the function parameters and need to be added into the request[optional]
print_on_error	Logical. Whether to show an error message when a network error occurs.
retry_time	Integer. Number of retries for a REST request when encounter the network issue. If the request has been sent retry_time times but still not be able to get the response, an error will be thrown.
network_timeout	
	Numeric. Number of seconds to wait for a REST response until giving up. Can not be less than 1 ms.
region	Character. The region of the AWS service.

Value

A list object or a character vector

RouteTableId

The ID of the route table.

DestinationCidrBlock

The IPv4 CIDR range for the route. The value you specify must match the CIDR for the route exactly.

DestinationIpv6CidrBlock

The IPv6 CIDR range for the route. The value you specify must match the CIDR for the route exactly.

DestinationPrefixListId

The ID of the prefix list for the route.

DryRun

Checks whether you have the required permissions for the action, without actually making the request, and provides an error response. If you have the required permissions, the error response is `DryRunOperation`. Otherwise, it is `UnauthorizedOperation`.

---

ec2_delete_route_table

Delete Route Table

Description

Deletes the specified route table. You must disassociate the route table from any subnets before you can delete it. You can\'t delete the main route table.

Usage

```
ec2_delete_route_table(
  RouteTableId,
  DryRun = NULL,
  simplify = TRUE,
  others = list(),
  print_on_error = aws_get_print_on_error(),
  retry_time = aws_get_retry_time(),
  network_timeout = aws_get_network_timeout(),
  region = aws_get_region()
)
```

Arguments

RouteTableId	Character. The ID of the route table.
DryRun	Logical. Checks whether you have the required permissions for the action, without actually making the request,...[optional]
simplify	Logical. Whether to simplify the result and handle `nextToken` in the response[optional]
others	Named list. The parameters that are not included in the function parameters and need to be added into the request[optional]
print_on_error	Logical. Whether to show an error message when a network error occurs.
retry_time	Integer. Number of retries for a REST request when encounter the network issue. If the request has been sent `retry_time` times but still not be able to get the response, an error will be thrown.
network_timeout	Numeric. Number of seconds to wait for a REST response until giving up. Can not be less than 1 ms.
region	Character. The region of the AWS service.

Value

A list object or a character vector

RouteTableId

The ID of the route table.

DryRun

Checks whether you have the required permissions for the action, without actually making the request, and provides an error response. If you have the required permissions, the error response is `DryRunOperation`. Otherwise, it is `UnauthorizedOperation`.

---

ec2_delete_security_group

Delete Security Group

Description

Delete Security Group

Usage

```
ec2_delete_security_group(
  GroupId = NULL,
  GroupName = NULL,
  DryRun = NULL,
  simplify = TRUE,
  others = list(),
  print_on_error = aws_get_print_on_error(),
  retry_time = aws_get_retry_time(),
  network_timeout = aws_get_network_timeout(),
  region = aws_get_region()
)
```

Arguments

GroupId	Character. The ID of the security group. Required for a nondefault VPC.[optional]
GroupName	Character. [EC2-Classic, default VPC] The name of the security group.[optional]
DryRun	Logical. Checks whether you have the required permissions for the action, without actually making the request,...[optional]
simplify	Logical. Whether to simplify the result and handle nextToken in the response[optional]
others	Named list. The parameters that are not included in the function parameters and need to be added into the request[optional]
print_on_error	Logical. Whether to show an error message when a network error occurs.

retry_time	Integer. Number of retries for a REST request when encounter the network issue. If the request has been sent retry_time times but still not be able to get the response, an error will be thrown.
network_timeout	
	Numeric. Number of seconds to wait for a REST response until giving up. Can not be less than 1 ms.
region	Character. The region of the AWS service.

Value

A list object or a character vector

GroupId

The ID of the security group. Required for a nondefault VPC.

GroupName

[EC2-Classic, default VPC] The name of the security group. You can specify either the security group name or the security group ID.

DryRun

Checks whether you have the required permissions for the action, without actually making the request, and provides an error response. If you have the required permissions, the error response is DryRunOperation. Otherwise, it is UnauthorizedOperation.

---

ec2_delete_snapshot *Delete Snapshot*

Description

Delete Snapshot

Usage

```
ec2_delete_snapshot(
  SnapshotId,
  DryRun = NULL,
  simplify = TRUE,
  others = list(),
  print_on_error = aws_get_print_on_error(),
  retry_time = aws_get_retry_time(),
  network_timeout = aws_get_network_timeout(),
  region = aws_get_region()
)
```

Arguments

SnapshotId	Character. The ID of the EBS snapshot.
DryRun	Logical. Checks whether you have the required permissions for the action, without actually making the request,...[optional]
simplify	Logical. Whether to simplify the result and handle nextToken in the response[optional]
others	Named list. The parameters that are not included in the function parameters and need to be added into the request[optional]
print_on_error	Logical. Whether to show an error message when a network error occurs.
retry_time	Integer. Number of retries for a REST request when encounter the network issue. If the request has been sent retry_time times but still not be able to get the response, an error will be thrown.
network_timeout	
	Numeric. Number of seconds to wait for a REST response until giving up. Can not be less than 1 ms.
region	Character. The region of the AWS service.

Value

A list object or a character vector

SnapshotId

The ID of the EBS snapshot.

DryRun

Checks whether you have the required permissions for the action, without actually making the request, and provides an error response. If you have the required permissions, the error response is DryRunOperation. Otherwise, it is UnauthorizedOperation.

---

ec2_delete_spot_datafeed_subscription

Delete Spot Datafeed Subscription

Description

Deletes the data feed for Spot Instances.

Usage

```
ec2_delete_spot_datafeed_subscription(
  DryRun = NULL,
  simplify = TRUE,
  others = list(),
  print_on_error = aws_get_print_on_error(),
  retry_time = aws_get_retry_time(),
  network_timeout = aws_get_network_timeout(),
  region = aws_get_region()
)
```

Arguments

DryRun	Logical. Checks whether you have the required permissions for the action, without actually making the request,...[optional]
simplify	Logical. Whether to simplify the result and handle nextToken in the response[optional]
others	Named list. The parameters that are not included in the function parameters and need to be added into the request[optional]
print_on_error	Logical. Whether to show an error message when a network error occurs.
retry_time	Integer. Number of retries for a REST request when encounter the network issue. If the request has been sent retry_time times but still not be able to get the response, an error will be thrown.
network_timeout	
	Numeric. Number of seconds to wait for a REST response until giving up. Can not be less than 1 ms.
region	Character. The region of the AWS service.

Value

A list object or a character vector

DryRun

Checks whether you have the required permissions for the action, without actually making the request, and provides an error response. If you have the required permissions, the error response is DryRunOperation. Otherwise, it is UnauthorizedOperation.

---

ec2_delete_subnet   *Delete Subnet*

Description

Deletes the specified subnet. You must terminate all running instances in the subnet before you can delete the subnet.

Usage

```
ec2_delete_subnet(
  SubnetId,
  DryRun = NULL,
  simplify = TRUE,
  others = list(),
  print_on_error = aws_get_print_on_error(),
  retry_time = aws_get_retry_time(),
  network_timeout = aws_get_network_timeout(),
  region = aws_get_region()
)
```

Arguments

SubnetId	Character. The ID of the subnet.
DryRun	Logical. Checks whether you have the required permissions for the action, without actually making the request,...[optional]
simplify	Logical. Whether to simplify the result and handle nextToken in the response[optional]
others	Named list. The parameters that are not included in the function parameters and need to be added into the request[optional]
print_on_error	Logical. Whether to show an error message when a network error occurs.
retry_time	Integer. Number of retries for a REST request when encounter the network issue. If the request has been sent retry_time times but still not be able to get the response, an error will be thrown.
network_timeout	
	Numeric. Number of seconds to wait for a REST response until giving up. Can not be less than 1 ms.
region	Character. The region of the AWS service.

Value

A list object or a character vector

SubnetId

The ID of the subnet.

DryRun

Checks whether you have the required permissions for the action, without actually making the request, and provides an error response. If you have the required permissions, the error response is DryRunOperation. Otherwise, it is UnauthorizedOperation.

---

ec2_delete_tags *Delete Tags*

Description

Delete Tags

Usage

```
ec2_delete_tags(
  ResourceId,
  DryRun = NULL,
  Tag = NULL,
  simplify = TRUE,
  others = list(),
  print_on_error = aws_get_print_on_error(),
  retry_time = aws_get_retry_time(),
  network_timeout = aws_get_network_timeout(),
  region = aws_get_region()
)
```

Arguments

ResourceId	List. The IDs of the resources, separated by spaces.
DryRun	Logical. Checks whether you have the required permissions for the action, without actually making the request,...[optional]
Tag	List. The tags to delete.[optional]
simplify	Logical. Whether to simplify the result and handle nextToken in the response[optional]
others	Named list. The parameters that are not included in the function parameters and need to be added into the request[optional]
print_on_error	Logical. Whether to show an error message when a network error occurs.
retry_time	Integer. Number of retries for a REST request when encounter the network issue. If the request has been sent retry_time times but still not be able to get the response, an error will be thrown.
network_timeout	
	Numeric. Number of seconds to wait for a REST response until giving up. Can not be less than 1 ms.
region	Character. The region of the AWS service.

Value

A list object or a character vector

ResourceId

The IDs of the resources, separated by spaces.

Constraints: Up to 1000 resource IDs. We recommend breaking up this request into smaller batches.

DryRun

Checks whether you have the required permissions for the action, without actually making the request, and provides an error response. If you have the required permissions, the error response is `DryRunOperation`. Otherwise, it is `UnauthorizedOperation`.

Tag

The tags to delete. Specify a tag key and an optional tag value to delete specific tags. If you specify a tag key without a tag value, we delete any tag with this key regardless of its value. If you specify a tag key with an empty string as the tag value, we delete the tag only if its value is an empty string.

If you omit this parameter, we delete all user-defined tags for the specified resources. We do not delete AWS-generated tags (tags that have the aws: prefix).

---

ec2_delete_traffic_mirror_filter

Delete Traffic Mirror Filter

Description

Delete Traffic Mirror Filter

Usage

```
ec2_delete_traffic_mirror_filter(
  TrafficMirrorFilterId,
  DryRun = NULL,
  simplify = TRUE,
  others = list(),
  print_on_error = aws_get_print_on_error(),
  retry_time = aws_get_retry_time(),
  network_timeout = aws_get_network_timeout(),
  region = aws_get_region()
)
```

Arguments

TrafficMirrorFilterId

        Character. The ID of the Traffic Mirror filter.

DryRun   Logical. Checks whether you have the required permissions for the action, without actually making the request,...[optional]

simplify   Logical. Whether to simplify the result and handle nextToken in the response[optional]

others   Named list. The parameters that are not included in the function parameters and
                  need to be added into the request[optional]

print_on_error   Logical. Whether to show an error message when a network error occurs.

retry_time   Integer. Number of retries for a REST request when encounter the network
                  issue. If the request has been sent `retry_time` times but still not be able to get
                  the response, an error will be thrown.

network_timeout

                  Numeric. Number of seconds to wait for a REST response until giving up. Can
                  not be less than 1 ms.

region   Character. The region of the AWS service.

Value

A list object or a character vector

TrafficMirrorFilterId

The ID of the Traffic Mirror filter.

DryRun

Checks whether you have the required permissions for the action, without actually making the
request, and provides an error response. If you have the required permissions, the error response is
`DryRunOperation`. Otherwise, it is `UnauthorizedOperation`.

---

ec2_delete_traffic_mirror_filter_rule
                        Delete Traffic Mirror Filter Rule

Description

Deletes the specified Traffic Mirror rule.

Usage

```
ec2_delete_traffic_mirror_filter_rule(
  TrafficMirrorFilterRuleId,
  DryRun = NULL,
  simplify = TRUE,
  others = list(),
  print_on_error = aws_get_print_on_error(),
  retry_time = aws_get_retry_time(),
  network_timeout = aws_get_network_timeout(),
  region = aws_get_region()
)
```

Arguments

TrafficMirrorFilterRuleId
> Character. The ID of the Traffic Mirror rule.

DryRun
> Logical. Checks whether you have the required permissions for the action, without actually making the request,...[optional]

simplify
> Logical. Whether to simplify the result and handle `nextToken` in the response[optional]

others
> Named list. The parameters that are not included in the function parameters and need to be added into the request[optional]

print_on_error
> Logical. Whether to show an error message when a network error occurs.

retry_time
> Integer. Number of retries for a REST request when encounter the network issue. If the request has been sent `retry_time` times but still not be able to get the response, an error will be thrown.

network_timeout
> Numeric. Number of seconds to wait for a REST response until giving up. Can not be less than 1 ms.

region
> Character. The region of the AWS service.

Value

A list object or a character vector

TrafficMirrorFilterRuleId

The ID of the Traffic Mirror rule.

DryRun

Checks whether you have the required permissions for the action, without actually making the request, and provides an error response. If you have the required permissions, the error response is `DryRunOperation`. Otherwise, it is `UnauthorizedOperation`.

---

ec2_delete_traffic_mirror_session
Delete Traffic Mirror Session

Description

Deletes the specified Traffic Mirror session.

Usage

```
ec2_delete_traffic_mirror_session(
  TrafficMirrorSessionId,
  DryRun = NULL,
  simplify = TRUE,
  others = list(),
  print_on_error = aws_get_print_on_error(),
  retry_time = aws_get_retry_time(),
  network_timeout = aws_get_network_timeout(),
  region = aws_get_region()
)
```

Arguments

TrafficMirrorSessionId

> Character. The ID of the Traffic Mirror session.

DryRun   Logical. Checks whether you have the required permissions for the action, without actually making the request,...[optional]

simplify   Logical. Whether to simplify the result and handle nextToken in the response[optional]

others   Named list. The parameters that are not included in the function parameters and need to be added into the request[optional]

print_on_error   Logical. Whether to show an error message when a network error occurs.

retry_time   Integer. Number of retries for a REST request when encounter the network issue. If the request has been sent retry_time times but still not be able to get the response, an error will be thrown.

network_timeout

> Numeric. Number of seconds to wait for a REST response until giving up. Can not be less than 1 ms.

region   Character. The region of the AWS service.

Value

A list object or a character vector

TrafficMirrorSessionId

The ID of the Traffic Mirror session.

DryRun

Checks whether you have the required permissions for the action, without actually making the request, and provides an error response. If you have the required permissions, the error response is DryRunOperation. Otherwise, it is UnauthorizedOperation.

ec2_delete_traffic_mirror_target

Delete Traffic Mirror Target

Description

Delete Traffic Mirror Target

Usage

```
ec2_delete_traffic_mirror_target(
  TrafficMirrorTargetId,
  DryRun = NULL,
  simplify = TRUE,
  others = list(),
  print_on_error = aws_get_print_on_error(),
  retry_time = aws_get_retry_time(),
  network_timeout = aws_get_network_timeout(),
  region = aws_get_region()
)
```

Arguments

TrafficMirrorTargetId

Character. The ID of the Traffic Mirror target.

DryRun   Logical. Checks whether you have the required permissions for the action, with-
                out actually making the request,...[optional]

simplify   Logical. Whether to simplify the result and handle nextToken in the response[optional]

others   Named list. The parameters that are not included in the function parameters and
                need to be added into the request[optional]

print_on_error Logical. Whether to show an error message when a network error occurs.

retry_time   Integer. Number of retries for a REST request when encounter the network
                issue. If the request has been sent retry_time times but still not be able to get
                the response, an error will be thrown.

network_timeout

                Numeric. Number of seconds to wait for a REST response until giving up. Can
                not be less than 1 ms.

region   Character. The region of the AWS service.

Value

A list object or a character vector

TrafficMirrorTargetId

The ID of the Traffic Mirror target.

DryRun

Checks whether you have the required permissions for the action, without actually making the request, and provides an error response. If you have the required permissions, the error response is `DryRunOperation`. Otherwise, it is `UnauthorizedOperation`.

---

ec2_delete_transit_gateway
Delete Transit Gateway

Description

Deletes the specified transit gateway.

Usage

```
ec2_delete_transit_gateway(
  TransitGatewayId,
  DryRun = NULL,
  simplify = TRUE,
  others = list(),
  print_on_error = aws_get_print_on_error(),
  retry_time = aws_get_retry_time(),
  network_timeout = aws_get_network_timeout(),
  region = aws_get_region()
)
```

Arguments

TransitGatewayId

Character. The ID of the transit gateway.

DryRun   Logical. Checks whether you have the required permissions for the action, without actually making the request,...[optional]

simplify   Logical. Whether to simplify the result and handle `nextToken` in the response[optional]

others   Named list. The parameters that are not included in the function parameters and need to be added into the request[optional]

print_on_error Logical. Whether to show an error message when a network error occurs.

retry_time   Integer. Number of retries for a REST request when encounter the network issue. If the request has been sent `retry_time` times but still not be able to get the response, an error will be thrown.

network_timeout

Numeric. Number of seconds to wait for a REST response until giving up. Can not be less than 1 ms.

region   Character. The region of the AWS service.

Value

A list object or a character vector

TransitGatewayId

The ID of the transit gateway.

DryRun

Checks whether you have the required permissions for the action, without actually making the request, and provides an error response. If you have the required permissions, the error response is `DryRunOperation`. Otherwise, it is `UnauthorizedOperation`.

---

ec2_delete_transit_gateway_connect

Delete Transit Gateway Connect

Description

Deletes the specified Connect attachment. You must first delete any Connect peers for the attachment.

Usage

```
ec2_delete_transit_gateway_connect(
  TransitGatewayAttachmentId,
  DryRun = NULL,
  simplify = TRUE,
  others = list(),
  print_on_error = aws_get_print_on_error(),
  retry_time = aws_get_retry_time(),
  network_timeout = aws_get_network_timeout(),
  region = aws_get_region()
)
```

Arguments

TransitGatewayAttachmentId

Character. The ID of the Connect attachment.

DryRun   Logical. Checks whether you have the required permissions for the action, without actually making the request,...[optional]

simplify   Logical. Whether to simplify the result and handle `nextToken` in the response[optional]

others   Named list. The parameters that are not included in the function parameters and need to be added into the request[optional]

print_on_error Logical. Whether to show an error message when a network error occurs.

retry_time   Integer. Number of retries for a REST request when encounter the network
                 issue. If the request has been sent retry_time times but still not be able to get
                 the response, an error will be thrown.

network_timeout

                 Numeric. Number of seconds to wait for a REST response until giving up. Can
                 not be less than 1 ms.

region   Character. The region of the AWS service.

Value

A list object or a character vector

TransitGatewayAttachmentId

The ID of the Connect attachment.

DryRun

Checks whether you have the required permissions for the action, without actually making the
request, and provides an error response. If you have the required permissions, the error response is
DryRunOperation. Otherwise, it is UnauthorizedOperation.

---

ec2_delete_transit_gateway_connect_peer
Delete Transit Gateway Connect Peer

Description

Deletes the specified Connect peer.

Usage

```
ec2_delete_transit_gateway_connect_peer(
  TransitGatewayConnectPeerId,
  DryRun = NULL,
  simplify = TRUE,
  others = list(),
  print_on_error = aws_get_print_on_error(),
  retry_time = aws_get_retry_time(),
  network_timeout = aws_get_network_timeout(),
  region = aws_get_region()
)
```

Arguments

TransitGatewayConnectPeerId	
	Character. The ID of the Connect peer.
DryRun	Logical. Checks whether you have the required permissions for the action, without actually making the request,...[optional]
simplify	Logical. Whether to simplify the result and handle nextToken in the response[optional]
others	Named list. The parameters that are not included in the function parameters and need to be added into the request[optional]
print_on_error	Logical. Whether to show an error message when a network error occurs.
retry_time	Integer. Number of retries for a REST request when encounter the network issue. If the request has been sent retry_time times but still not be able to get the response, an error will be thrown.
network_timeout	
	Numeric. Number of seconds to wait for a REST response until giving up. Can not be less than 1 ms.
region	Character. The region of the AWS service.

Value

A list object or a character vector

TransitGatewayConnectPeerId

The ID of the Connect peer.

DryRun

Checks whether you have the required permissions for the action, without actually making the request, and provides an error response. If you have the required permissions, the error response is DryRunOperation. Otherwise, it is UnauthorizedOperation.

---

ec2_delete_transit_gateway_multicast_domain
Delete Transit Gateway Multicast Domain

Description

Deletes the specified transit gateway multicast domain.

Usage

```
ec2_delete_transit_gateway_multicast_domain(
  TransitGatewayMulticastDomainId,
  DryRun = NULL,
  simplify = TRUE,
  others = list(),
  print_on_error = aws_get_print_on_error(),
  retry_time = aws_get_retry_time(),
  network_timeout = aws_get_network_timeout(),
  region = aws_get_region()
)
```

Arguments

TransitGatewayMulticastDomainId
                 Character. The ID of the transit gateway multicast domain.

DryRun   Logical. Checks whether you have the required permissions for the action, with-
                 out actually making the request,...[optional]

simplify   Logical. Whether to simplify the result and handle nextToken in the response[optional]

others   Named list. The parameters that are not included in the function parameters and
                 need to be added into the request[optional]

print_on_error   Logical. Whether to show an error message when a network error occurs.

retry_time   Integer. Number of retries for a REST request when encounter the network
                 issue. If the request has been sent retry_time times but still not be able to get
                 the response, an error will be thrown.

network_timeout
                 Numeric. Number of seconds to wait for a REST response until giving up. Can
                 not be less than 1 ms.

region   Character. The region of the AWS service.

Value

A list object or a character vector

TransitGatewayMulticastDomainId

The ID of the transit gateway multicast domain.

DryRun

Checks whether you have the required permissions for the action, without actually making the
request, and provides an error response. If you have the required permissions, the error response is
DryRunOperation. Otherwise, it is UnauthorizedOperation.

---

ec2_delete_transit_gateway_peering_attachment
Delete Transit Gateway Peering Attachment

Description

Deletes a transit gateway peering attachment.

Usage

```
ec2_delete_transit_gateway_peering_attachment(
  TransitGatewayAttachmentId,
  DryRun = NULL,
  simplify = TRUE,
  others = list(),
  print_on_error = aws_get_print_on_error(),
  retry_time = aws_get_retry_time(),
  network_timeout = aws_get_network_timeout(),
  region = aws_get_region()
)
```

Arguments

TransitGatewayAttachmentId

Character. The ID of the transit gateway peering attachment.

DryRun	Logical. Checks whether you have the required permissions for the action, without actually making the request,...[optional]
simplify	Logical. Whether to simplify the result and handle nextToken in the response[optional]
others	Named list. The parameters that are not included in the function parameters and need to be added into the request[optional]
print_on_error	Logical. Whether to show an error message when a network error occurs.
retry_time	Integer. Number of retries for a REST request when encounter the network issue. If the request has been sent retry_time times but still not be able to get the response, an error will be thrown.

network_timeout

Numeric. Number of seconds to wait for a REST response until giving up. Can not be less than 1 ms.

region	Character. The region of the AWS service.

Value

A list object or a character vector

TransitGatewayAttachmentId

The ID of the transit gateway peering attachment.

DryRun

Checks whether you have the required permissions for the action, without actually making the request, and provides an error response. If you have the required permissions, the error response is DryRunOperation. Otherwise, it is UnauthorizedOperation.

---

ec2_delete_transit_gateway_prefix_list_reference
Delete Transit Gateway Prefix List Reference

Description

Deletes a reference (route) to a prefix list in a specified transit gateway route table.

Usage

```
ec2_delete_transit_gateway_prefix_list_reference(
  TransitGatewayRouteTableId,
  PrefixListId,
  DryRun = NULL,
  simplify = TRUE,
  others = list(),
  print_on_error = aws_get_print_on_error(),
  retry_time = aws_get_retry_time(),
  network_timeout = aws_get_network_timeout(),
  region = aws_get_region()
)
```

Arguments

TransitGatewayRouteTableId

Character. The ID of the route table.

PrefixListId   Character. The ID of the prefix list.

DryRun   Logical. Checks whether you have the required permissions for the action, without actually making the request,...[optional]

simplify   Logical. Whether to simplify the result and handle nextToken in the response[optional]

others   Named list. The parameters that are not included in the function parameters and need to be added into the request[optional]

print_on_error   Logical. Whether to show an error message when a network error occurs.

retry_time   Integer. Number of retries for a REST request when encounter the network issue. If the request has been sent retry_time times but still not be able to get the response, an error will be thrown.

network_timeout

Numeric. Number of seconds to wait for a REST response until giving up. Can not be less than 1 ms.

region   Character. The region of the AWS service.

Value

A list object or a character vector

TransitGatewayRouteTableId

The ID of the route table.

PrefixListId

The ID of the prefix list.

DryRun

Checks whether you have the required permissions for the action, without actually making the request, and provides an error response. If you have the required permissions, the error response is `DryRunOperation`. Otherwise, it is `UnauthorizedOperation`.

---

ec2_delete_transit_gateway_route
Delete Transit Gateway Route

Description

Deletes the specified route from the specified transit gateway route table.

Usage

```
ec2_delete_transit_gateway_route(
  TransitGatewayRouteTableId,
  DestinationCidrBlock,
  DryRun = NULL,
  simplify = TRUE,
  others = list(),
  print_on_error = aws_get_print_on_error(),
  retry_time = aws_get_retry_time(),
  network_timeout = aws_get_network_timeout(),
  region = aws_get_region()
)
```

Arguments

TransitGatewayRouteTableId

> Character. The ID of the transit gateway route table.

DestinationCidrBlock

> Character. The CIDR range for the route. This must match the CIDR for the route exactly.

DryRun	Logical. Checks whether you have the required permissions for the action, without actually making the request,...[optional]
simplify	Logical. Whether to simplify the result and handle nextToken in the response[optional]
others	Named list. The parameters that are not included in the function parameters and need to be added into the request[optional]
print_on_error	Logical. Whether to show an error message when a network error occurs.
retry_time	Integer. Number of retries for a REST request when encounter the network issue. If the request has been sent retry_time times but still not be able to get the response, an error will be thrown.
network_timeout	
	Numeric. Number of seconds to wait for a REST response until giving up. Can not be less than 1 ms.
region	Character. The region of the AWS service.

Value

A list object or a character vector

TransitGatewayRouteTableId

The ID of the transit gateway route table.

DestinationCidrBlock

The CIDR range for the route. This must match the CIDR for the route exactly.

DryRun

Checks whether you have the required permissions for the action, without actually making the request, and provides an error response. If you have the required permissions, the error response is DryRunOperation. Otherwise, it is UnauthorizedOperation.

---

ec2_delete_transit_gateway_route_table
                     Delete Transit Gateway Route Table

Description

Deletes the specified transit gateway route table. You must disassociate the route table from any transit gateway route tables before you can delete it.

Usage

```
ec2_delete_transit_gateway_route_table(
  TransitGatewayRouteTableId,
  DryRun = NULL,
  simplify = TRUE,
  others = list(),
  print_on_error = aws_get_print_on_error(),
  retry_time = aws_get_retry_time(),
  network_timeout = aws_get_network_timeout(),
  region = aws_get_region()
)
```

Arguments

TransitGatewayRouteTableId

Character. The ID of the transit gateway route table.

DryRun   Logical. Checks whether you have the required permissions for the action, without actually making the request,...[optional]

simplify   Logical. Whether to simplify the result and handle nextToken in the response[optional]

others   Named list. The parameters that are not included in the function parameters and need to be added into the request[optional]

print_on_error Logical. Whether to show an error message when a network error occurs.

retry_time   Integer. Number of retries for a REST request when encounter the network issue. If the request has been sent retry_time times but still not be able to get the response, an error will be thrown.

network_timeout

Numeric. Number of seconds to wait for a REST response until giving up. Can not be less than 1 ms.

region   Character. The region of the AWS service.

Value

A list object or a character vector

TransitGatewayRouteTableId

The ID of the transit gateway route table.

DryRun

Checks whether you have the required permissions for the action, without actually making the request, and provides an error response. If you have the required permissions, the error response is DryRunOperation. Otherwise, it is UnauthorizedOperation.

```
ec2_delete_transit_gateway_vpc_attachment
```
Delete Transit Gateway Vpc Attachment

Description

Deletes the specified VPC attachment.

Usage

```
ec2_delete_transit_gateway_vpc_attachment(
  TransitGatewayAttachmentId,
  DryRun = NULL,
  simplify = TRUE,
  others = list(),
  print_on_error = aws_get_print_on_error(),
  retry_time = aws_get_retry_time(),
  network_timeout = aws_get_network_timeout(),
  region = aws_get_region()
)
```

Arguments

TransitGatewayAttachmentId

                Character. The ID of the attachment.

DryRun	Logical. Checks whether you have the required permissions for the action, without actually making the request,...[optional]
simplify	Logical. Whether to simplify the result and handle nextToken in the response[optional]
others	Named list. The parameters that are not included in the function parameters and need to be added into the request[optional]
print_on_error	Logical. Whether to show an error message when a network error occurs.
retry_time	Integer. Number of retries for a REST request when encounter the network issue. If the request has been sent retry_time times but still not be able to get the response, an error will be thrown.
network_timeout	
	Numeric. Number of seconds to wait for a REST response until giving up. Can not be less than 1 ms.
region	Character. The region of the AWS service.

Value

A list object or a character vector

TransitGatewayAttachmentId

The ID of the attachment.

DryRun

Checks whether you have the required permissions for the action, without actually making the request, and provides an error response. If you have the required permissions, the error response is `DryRunOperation`. Otherwise, it is `UnauthorizedOperation`.

---

ec2_delete_volume *Delete Volume*

Description

Delete Volume

Usage

```
ec2_delete_volume(
  VolumeId,
  DryRun = NULL,
  simplify = TRUE,
  others = list(),
  print_on_error = aws_get_print_on_error(),
  retry_time = aws_get_retry_time(),
  network_timeout = aws_get_network_timeout(),
  region = aws_get_region()
)
```

Arguments

VolumeId	Character. The ID of the volume.
DryRun	Logical. Checks whether you have the required permissions for the action, without actually making the request,...[optional]
simplify	Logical. Whether to simplify the result and handle `nextToken` in the response[optional]
others	Named list. The parameters that are not included in the function parameters and need to be added into the request[optional]
print_on_error	Logical. Whether to show an error message when a network error occurs.
retry_time	Integer. Number of retries for a REST request when encounter the network issue. If the request has been sent `retry_time` times but still not be able to get the response, an error will be thrown.
network_timeout	
	Numeric. Number of seconds to wait for a REST response until giving up. Can not be less than 1 ms.
region	Character. The region of the AWS service.

Value

A list object or a character vector

VolumeId

The ID of the volume.

DryRun

Checks whether you have the required permissions for the action, without actually making the request, and provides an error response. If you have the required permissions, the error response is `DryRunOperation`. Otherwise, it is `UnauthorizedOperation`.

---

ec2_delete_vpc *Delete Vpc*

Description

Deletes the specified VPC. You must detach or delete all gateways and resources that are associated with the VPC before you can delete it. For example, you must terminate all instances running in the VPC, delete all security groups associated with the VPC (except the default one), delete all route tables associated with the VPC (except the default one), and so on.

Usage

```
ec2_delete_vpc(
  VpcId,
  DryRun = NULL,
  simplify = TRUE,
  others = list(),
  print_on_error = aws_get_print_on_error(),
  retry_time = aws_get_retry_time(),
  network_timeout = aws_get_network_timeout(),
  region = aws_get_region()
)
```

Arguments

VpcId	Character. The ID of the VPC.
DryRun	Logical. Checks whether you have the required permissions for the action, without actually making the request,...[optional]
simplify	Logical. Whether to simplify the result and handle nextToken in the response[optional]
others	Named list. The parameters that are not included in the function parameters and need to be added into the request[optional]
print_on_error	Logical. Whether to show an error message when a network error occurs.
retry_time	Integer. Number of retries for a REST request when encounter the network issue. If the request has been sent retry_time times but still not be able to get the response, an error will be thrown.

network_timeout

> Numeric. Number of seconds to wait for a REST response until giving up. Can not be less than 1 ms.

region Character. The region of the AWS service.

Value

A list object or a character vector

VpcId

The ID of the VPC.

DryRun

Checks whether you have the required permissions for the action, without actually making the request, and provides an error response. If you have the required permissions, the error response is DryRunOperation. Otherwise, it is UnauthorizedOperation.

---

ec2_delete_vpc_endpoints

Delete Vpc Endpoints

Description

Delete Vpc Endpoints

Usage

```
ec2_delete_vpc_endpoints(
  VpcEndpointId,
  DryRun = NULL,
  simplify = TRUE,
  others = list(),
  print_on_error = aws_get_print_on_error(),
  retry_time = aws_get_retry_time(),
  network_timeout = aws_get_network_timeout(),
  region = aws_get_region()
)
```

Arguments

VpcEndpointId List. One or more VPC endpoint IDs.

DryRun Logical. Checks whether you have the required permissions for the action, without actually making the request,...[optional]

simplify Logical. Whether to simplify the result and handle nextToken in the response[optional]

others   Named list. The parameters that are not included in the function parameters and
                  need to be added into the request[optional]

print_on_error   Logical. Whether to show an error message when a network error occurs.

retry_time   Integer. Number of retries for a REST request when encounter the network
                  issue. If the request has been sent `retry_time` times but still not be able to get
                  the response, an error will be thrown.

network_timeout
                  Numeric. Number of seconds to wait for a REST response until giving up. Can
                  not be less than 1 ms.

region   Character. The region of the AWS service.

Value

A list object or a character vector

VpcEndpointId

One or more VPC endpoint IDs.

DryRun

Checks whether you have the required permissions for the action, without actually making the
request, and provides an error response. If you have the required permissions, the error response is
`DryRunOperation`. Otherwise, it is `UnauthorizedOperation`.

---

ec2_delete_vpc_endpoint_connection_notifications
                          Delete Vpc Endpoint Connection Notifications

---

Description

Deletes one or more VPC endpoint connection notifications.

Usage

```
ec2_delete_vpc_endpoint_connection_notifications(
  ConnectionNotificationId,
  DryRun = NULL,
  simplify = TRUE,
  others = list(),
  print_on_error = aws_get_print_on_error(),
  retry_time = aws_get_retry_time(),
  network_timeout = aws_get_network_timeout(),
  region = aws_get_region()
)
```

Arguments

ConnectionNotificationId

    List. One or more notification IDs.

DryRun	Logical. Checks whether you have the required permissions for the action, without actually making the request,...[optional]
simplify	Logical. Whether to simplify the result and handle nextToken in the response[optional]
others	Named list. The parameters that are not included in the function parameters and need to be added into the request[optional]
print_on_error	Logical. Whether to show an error message when a network error occurs.
retry_time	Integer. Number of retries for a REST request when encounter the network issue. If the request has been sent retry_time times but still not be able to get the response, an error will be thrown.

network_timeout

    Numeric. Number of seconds to wait for a REST response until giving up. Can not be less than 1 ms.

region	Character. The region of the AWS service.

Value

A list object or a character vector

ConnectionNotificationId

One or more notification IDs.

DryRun

Checks whether you have the required permissions for the action, without actually making the request, and provides an error response. If you have the required permissions, the error response is DryRunOperation. Otherwise, it is UnauthorizedOperation.

---

ec2_delete_vpc_endpoint_service_configurations
               Delete Vpc Endpoint Service Configurations

Description

Deletes one or more VPC endpoint service configurations in your account. Before you delete the endpoint service configuration, you must reject any Available or PendingAcceptance interface endpoint connections that are attached to the service.

Usage

```
ec2_delete_vpc_endpoint_service_configurations(
  ServiceId,
  DryRun = NULL,
  simplify = TRUE,
  others = list(),
  print_on_error = aws_get_print_on_error(),
  retry_time = aws_get_retry_time(),
  network_timeout = aws_get_network_timeout(),
  region = aws_get_region()
)
```

Arguments

ServiceId	List. The IDs of one or more services.
DryRun	Logical. Checks whether you have the required permissions for the action, without actually making the request,...[optional]
simplify	Logical. Whether to simplify the result and handle nextToken in the response[optional]
others	Named list. The parameters that are not included in the function parameters and need to be added into the request[optional]
print_on_error	Logical. Whether to show an error message when a network error occurs.
retry_time	Integer. Number of retries for a REST request when encounter the network issue. If the request has been sent retry_time times but still not be able to get the response, an error will be thrown.
network_timeout	
	Numeric. Number of seconds to wait for a REST response until giving up. Can not be less than 1 ms.
region	Character. The region of the AWS service.

Value

A list object or a character vector

ServiceId

The IDs of one or more services.

DryRun

Checks whether you have the required permissions for the action, without actually making the request, and provides an error response. If you have the required permissions, the error response is DryRunOperation. Otherwise, it is UnauthorizedOperation.

ec2_delete_vpc_peering_connection
Delete Vpc Peering Connection

Description

Deletes a VPC peering connection. Either the owner of the requester VPC or the owner of the accepter VPC can delete the VPC peering connection if it\'s in the active state. The owner of the requester VPC can delete a VPC peering connection in the pending-acceptance state. You cannot delete a VPC peering connection that\'s in the failed state.

Usage

```
ec2_delete_vpc_peering_connection(
  VpcPeeringConnectionId,
  DryRun = NULL,
  simplify = TRUE,
  others = list(),
  print_on_error = aws_get_print_on_error(),
  retry_time = aws_get_retry_time(),
  network_timeout = aws_get_network_timeout(),
  region = aws_get_region()
)
```

Arguments

VpcPeeringConnectionId

                Character. The ID of the VPC peering connection.

DryRun   Logical. Checks whether you have the required permissions for the action, without actually making the request,...[optional]

simplify   Logical. Whether to simplify the result and handle nextToken in the response[optional]

others   Named list. The parameters that are not included in the function parameters and need to be added into the request[optional]

print_on_error Logical. Whether to show an error message when a network error occurs.

retry_time   Integer. Number of retries for a REST request when encounter the network issue. If the request has been sent retry_time times but still not be able to get the response, an error will be thrown.

network_timeout

                Numeric. Number of seconds to wait for a REST response until giving up. Can not be less than 1 ms.

region   Character. The region of the AWS service.

Value

A list object or a character vector

VpcPeeringConnectionId

The ID of the VPC peering connection.

DryRun

Checks whether you have the required permissions for the action, without actually making the request, and provides an error response. If you have the required permissions, the error response is DryRunOperation. Otherwise, it is UnauthorizedOperation.

---

ec2_delete_vpn_connection

Delete Vpn Connection

Description

Delete Vpn Connection

Usage

```
ec2_delete_vpn_connection(
  VpnConnectionId,
  DryRun = NULL,
  simplify = TRUE,
  others = list(),
  print_on_error = aws_get_print_on_error(),
  retry_time = aws_get_retry_time(),
  network_timeout = aws_get_network_timeout(),
  region = aws_get_region()
)
```

Arguments

VpnConnectionId

                Character. The ID of the VPN connection.

DryRun	Logical. Checks whether you have the required permissions for the action, without actually making the request,...[optional]
simplify	Logical. Whether to simplify the result and handle nextToken in the response[optional]
others	Named list. The parameters that are not included in the function parameters and need to be added into the request[optional]
print_on_error	Logical. Whether to show an error message when a network error occurs.
retry_time	Integer. Number of retries for a REST request when encounter the network issue. If the request has been sent retry_time times but still not be able to get the response, an error will be thrown.

network_timeout

                Numeric. Number of seconds to wait for a REST response until giving up. Can not be less than 1 ms.

region	Character. The region of the AWS service.

Value

A list object or a character vector

VpnConnectionId

The ID of the VPN connection.

DryRun

Checks whether you have the required permissions for the action, without actually making the request, and provides an error response. If you have the required permissions, the error response is DryRunOperation. Otherwise, it is UnauthorizedOperation.

---

ec2_delete_vpn_connection_route

Delete Vpn Connection Route

Description

Deletes the specified static route associated with a VPN connection between an existing virtual private gateway and a VPN customer gateway. The static route allows traffic to be routed from the virtual private gateway to the VPN customer gateway.

Usage

```
ec2_delete_vpn_connection_route(
  DestinationCidrBlock,
  VpnConnectionId,
  simplify = TRUE,
  others = list(),
  print_on_error = aws_get_print_on_error(),
  retry_time = aws_get_retry_time(),
  network_timeout = aws_get_network_timeout(),
  region = aws_get_region()
)
```

Arguments

DestinationCidrBlock

    Character. The CIDR block associated with the local subnet of the customer network.

VpnConnectionId

    Character. The ID of the VPN connection.

simplify   Logical. Whether to simplify the result and handle nextToken in the response[optional]

others   Named list. The parameters that are not included in the function parameters and need to be added into the request[optional]

print_on_error   Logical. Whether to show an error message when a network error occurs.

retry_time   Integer. Number of retries for a REST request when encounter the network
                 issue. If the request has been sent `retry_time` times but still not be able to get
                 the response, an error will be thrown.

network_timeout

                 Numeric. Number of seconds to wait for a REST response until giving up. Can
                 not be less than 1 ms.

region   Character. The region of the AWS service.

Value

A list object or a character vector

DestinationCidrBlock

The CIDR block associated with the local subnet of the customer network.

VpnConnectionId

The ID of the VPN connection.

---

ec2_delete_vpn_gateway

Delete Vpn Gateway

Description

Deletes the specified virtual private gateway. You must first detach the virtual private gateway from
the VPC. Note that you don\'t need to delete the virtual private gateway if you plan to delete and
recreate the VPN connection between your VPC and your network.

Usage

```
ec2_delete_vpn_gateway(
  VpnGatewayId,
  DryRun = NULL,
  simplify = TRUE,
  others = list(),
  print_on_error = aws_get_print_on_error(),
  retry_time = aws_get_retry_time(),
  network_timeout = aws_get_network_timeout(),
  region = aws_get_region()
)
```

Arguments

VpnGatewayId	Character. The ID of the virtual private gateway.
DryRun	Logical. Checks whether you have the required permissions for the action, without actually making the request,...[optional]
simplify	Logical. Whether to simplify the result and handle nextToken in the response[optional]
others	Named list. The parameters that are not included in the function parameters and need to be added into the request[optional]
print_on_error	Logical. Whether to show an error message when a network error occurs.
retry_time	Integer. Number of retries for a REST request when encounter the network issue. If the request has been sent retry_time times but still not be able to get the response, an error will be thrown.
network_timeout	
	Numeric. Number of seconds to wait for a REST response until giving up. Can not be less than 1 ms.
region	Character. The region of the AWS service.

Value

A list object or a character vector

VpnGatewayId

The ID of the virtual private gateway.

DryRun

Checks whether you have the required permissions for the action, without actually making the request, and provides an error response. If you have the required permissions, the error response is DryRunOperation. Otherwise, it is UnauthorizedOperation.

---

ec2_deprovision_byoip_cidr

Deprovision Byoip Cidr

Description

Deprovision Byoip Cidr

Usage

```
ec2_deprovision_byoip_cidr(
  Cidr,
  DryRun = NULL,
  simplify = TRUE,
  others = list(),
  print_on_error = aws_get_print_on_error(),
  retry_time = aws_get_retry_time(),
  network_timeout = aws_get_network_timeout(),
  region = aws_get_region()
)
```

Arguments

Cidr	Character. The address range, in CIDR notation.
DryRun	Logical. Checks whether you have the required permissions for the action, without actually making the request,...[optional]
simplify	Logical. Whether to simplify the result and handle nextToken in the response[optional]
others	Named list. The parameters that are not included in the function parameters and need to be added into the request[optional]
print_on_error	Logical. Whether to show an error message when a network error occurs.
retry_time	Integer. Number of retries for a REST request when encounter the network issue. If the request has been sent retry_time times but still not be able to get the response, an error will be thrown.
network_timeout	
	Numeric. Number of seconds to wait for a REST response until giving up. Can not be less than 1 ms.
region	Character. The region of the AWS service.

Value

A list object or a character vector

Cidr

The address range, in CIDR notation. The prefix must be the same prefix that you specified when you provisioned the address range.

DryRun

Checks whether you have the required permissions for the action, without actually making the request, and provides an error response. If you have the required permissions, the error response is DryRunOperation. Otherwise, it is UnauthorizedOperation.

---

ec2_deregister_image   *Deregister Image*

Description

Deregister Image

Usage

```
ec2_deregister_image(
  ImageId,
  DryRun = NULL,
  simplify = TRUE,
  others = list(),
  print_on_error = aws_get_print_on_error(),
  retry_time = aws_get_retry_time(),
  network_timeout = aws_get_network_timeout(),
  region = aws_get_region()
)
```

Arguments

ImageId	Character. The ID of the AMI.
DryRun	Logical. Checks whether you have the required permissions for the action, without actually making the request,...[optional]
simplify	Logical. Whether to simplify the result and handle nextToken in the response[optional]
others	Named list. The parameters that are not included in the function parameters and need to be added into the request[optional]
print_on_error	Logical. Whether to show an error message when a network error occurs.
retry_time	Integer. Number of retries for a REST request when encounter the network issue. If the request has been sent retry_time times but still not be able to get the response, an error will be thrown.
network_timeout	
	Numeric. Number of seconds to wait for a REST response until giving up. Can not be less than 1 ms.
region	Character. The region of the AWS service.

Value

A list object or a character vector

ImageId

The ID of the AMI.

DryRun

Checks whether you have the required permissions for the action, without actually making the request, and provides an error response. If you have the required permissions, the error response is `DryRunOperation`. Otherwise, it is `UnauthorizedOperation`.

---

ec2_deregister_instance_event_notification_attributes
Deregister Instance Event Notification Attributes

Description

Deregisters tag keys to prevent tags that have the specified tag keys from being included in scheduled event notifications for resources in the Region.

Usage

```
ec2_deregister_instance_event_notification_attributes(
  DryRun = NULL,
  InstanceTagAttribute = NULL,
  simplify = TRUE,
  others = list(),
  print_on_error = aws_get_print_on_error(),
  retry_time = aws_get_retry_time(),
  network_timeout = aws_get_network_timeout(),
  region = aws_get_region()
)
```

Arguments

`DryRun`	Logical. Checks whether you have the required permissions for the action, without actually making the request,...[optional]
`InstanceTagAttribute`	
	Object. Information about the tag keys to deregister.[optional]
`simplify`	Logical. Whether to simplify the result and handle `nextToken` in the response[optional]
`others`	Named list. The parameters that are not included in the function parameters and need to be added into the request[optional]
`print_on_error`	Logical. Whether to show an error message when a network error occurs.
`retry_time`	Integer. Number of retries for a REST request when encounter the network issue. If the request has been sent `retry_time` times but still not be able to get the response, an error will be thrown.
`network_timeout`	
	Numeric. Number of seconds to wait for a REST response until giving up. Can not be less than 1 ms.
`region`	Character. The region of the AWS service.

Value

A list object or a character vector

DryRun

Checks whether you have the required permissions for the action, without actually making the request, and provides an error response. If you have the required permissions, the error response is `DryRunOperation`. Otherwise, it is `UnauthorizedOperation`.

InstanceTagAttribute

Information about the tag keys to deregister.

---

ec2_deregister_transit_gateway_multicast_group_members
Deregister Transit Gateway Multicast Group Members

Description

Deregisters the specified members (network interfaces) from the transit gateway multicast group.

Usage

```
ec2_deregister_transit_gateway_multicast_group_members(
  TransitGatewayMulticastDomainId = NULL,
  GroupIpAddress = NULL,
  NetworkInterfaceIds = NULL,
  DryRun = NULL,
  simplify = TRUE,
  others = list(),
  print_on_error = aws_get_print_on_error(),
  retry_time = aws_get_retry_time(),
  network_timeout = aws_get_network_timeout(),
  region = aws_get_region()
)
```

Arguments

TransitGatewayMulticastDomainId
                Character. The ID of the transit gateway multicast domain.[optional]

GroupIpAddress Character. The IP address assigned to the transit gateway multicast group.[optional]

NetworkInterfaceIds
                List. The IDs of the group members\' network interfaces.[optional]

DryRun   Logical. Checks whether you have the required permissions for the action, without actually making the request,...[optional]

simplify   Logical. Whether to simplify the result and handle `nextToken` in the response[optional]

others   Named list. The parameters that are not included in the function parameters and
                  need to be added into the request[optional]

print_on_error Logical. Whether to show an error message when a network error occurs.

retry_time   Integer. Number of retries for a REST request when encounter the network
                  issue. If the request has been sent retry_time times but still not be able to get
                  the response, an error will be thrown.

network_timeout
                  Numeric. Number of seconds to wait for a REST response until giving up. Can
                  not be less than 1 ms.

region   Character. The region of the AWS service.

Value

A list object or a character vector

TransitGatewayMulticastDomainId

The ID of the transit gateway multicast domain.

GroupIpAddress

The IP address assigned to the transit gateway multicast group.

NetworkInterfaceIds

The IDs of the group members\' network interfaces.

DryRun

Checks whether you have the required permissions for the action, without actually making the
request, and provides an error response. If you have the required permissions, the error response is
DryRunOperation. Otherwise, it is UnauthorizedOperation.

---

ec2_deregister_transit_gateway_multicast_group_sources
                        Deregister Transit Gateway Multicast Group Sources

---

Description

Deregisters the specified sources (network interfaces) from the transit gateway multicast group.

Usage

```
ec2_deregister_transit_gateway_multicast_group_sources(
  TransitGatewayMulticastDomainId = NULL,
  GroupIpAddress = NULL,
  NetworkInterfaceIds = NULL,
  DryRun = NULL,
  simplify = TRUE,
  others = list(),
  print_on_error = aws_get_print_on_error(),
  retry_time = aws_get_retry_time(),
  network_timeout = aws_get_network_timeout(),
  region = aws_get_region()
)
```

Arguments

TransitGatewayMulticastDomainId

Character. The ID of the transit gateway multicast domain.[optional]

GroupIpAddress   Character. The IP address assigned to the transit gateway multicast group.[optional]

NetworkInterfaceIds

List. The IDs of the group sources\' network interfaces.[optional]

DryRun   Logical. Checks whether you have the required permissions for the action, without actually making the request,...[optional]

simplify   Logical. Whether to simplify the result and handle nextToken in the response[optional]

others   Named list. The parameters that are not included in the function parameters and need to be added into the request[optional]

print_on_error   Logical. Whether to show an error message when a network error occurs.

retry_time   Integer. Number of retries for a REST request when encounter the network issue. If the request has been sent retry_time times but still not be able to get the response, an error will be thrown.

network_timeout

Numeric. Number of seconds to wait for a REST response until giving up. Can not be less than 1 ms.

region   Character. The region of the AWS service.

Value

A list object or a character vector

TransitGatewayMulticastDomainId

The ID of the transit gateway multicast domain.

GroupIpAddress

The IP address assigned to the transit gateway multicast group.

NetworkInterfaceIds

The IDs of the group sources\' network interfaces.

DryRun

Checks whether you have the required permissions for the action, without actually making the request, and provides an error response. If you have the required permissions, the error response is `DryRunOperation`. Otherwise, it is `UnauthorizedOperation`.

---

ec2_describe_account_attributes
Describe Account Attributes

Description

Describe Account Attributes

Usage

```
ec2_describe_account_attributes(
  AttributeName = NULL,
  DryRun = NULL,
  simplify = TRUE,
  others = list(),
  print_on_error = aws_get_print_on_error(),
  retry_time = aws_get_retry_time(),
  network_timeout = aws_get_network_timeout(),
  region = aws_get_region()
)
```

Arguments

AttributeName	List. The account attribute names.[optional]
DryRun	Logical. Checks whether you have the required permissions for the action, without actually making the request,...[optional]
simplify	Logical. Whether to simplify the result and handle `nextToken` in the response[optional]
others	Named list. The parameters that are not included in the function parameters and need to be added into the request[optional]
print_on_error	Logical. Whether to show an error message when a network error occurs.
retry_time	Integer. Number of retries for a REST request when encounter the network issue. If the request has been sent `retry_time` times but still not be able to get the response, an error will be thrown.
network_timeout	Numeric. Number of seconds to wait for a REST response until giving up. Can not be less than 1 ms.
region	Character. The region of the AWS service.

Value

A list object or a character vector

AttributeName

The account attribute names.

DryRun

Checks whether you have the required permissions for the action, without actually making the request, and provides an error response. If you have the required permissions, the error response is `DryRunOperation`. Otherwise, it is `UnauthorizedOperation`.

`ec2_describe_addresses`

Describe Addresses

Description

Describe Addresses

Usage

```
ec2_describe_addresses(
  Filter = NULL,
  PublicIp = NULL,
  AllocationId = NULL,
  DryRun = NULL,
  simplify = TRUE,
  others = list(),
  print_on_error = aws_get_print_on_error(),
  retry_time = aws_get_retry_time(),
  network_timeout = aws_get_network_timeout(),
  region = aws_get_region()
)
```

Arguments

Filter	Named list where the name is the filter name and the value is the filter's value. The value can be a vector or a list object (see below)[optional]
PublicIp	List. One or more Elastic IP addresses. Default: Describes all your Elastic IP addresses. [optional]
AllocationId	List. [EC2-VPC] Information about the allocation IDs.[optional]
DryRun	Logical. Checks whether you have the required permissions for the action, without actually making the request,...[optional]
simplify	Logical. Whether to simplify the result and handle `nextToken` in the response[optional]

others	Named list. The parameters that are not included in the function parameters and need to be added into the request[optional]
print_on_error	Logical. Whether to show an error message when a network error occurs.
retry_time	Integer. Number of retries for a REST request when encounter the network issue. If the request has been sent retry_time times but still not be able to get the response, an error will be thrown.
network_timeout	
	Numeric. Number of seconds to wait for a REST response until giving up. Can not be less than 1 ms.
region	Character. The region of the AWS service.

Value

A list object or a character vector

Filter

One or more filters. Filter names and values are case-sensitive.

- allocation-id - [EC2-VPC] The allocation ID for the address.
- association-id - [EC2-VPC] The association ID for the address.
- domain - Indicates whether the address is for use in EC2-Classic (standard) or in a VPC (vpc).
- instance-id - The ID of the instance the address is associated with, if any.
- network-border-group - A unique set of Availability Zones, Local Zones, or Wavelength Zones from where AWS advertises IP addresses.
- network-interface-id - [EC2-VPC] The ID of the network interface that the address is associated with, if any.
- network-interface-owner-id - The AWS account ID of the owner.
- private-ip-address - [EC2-VPC] The private IP address associated with the Elastic IP address.
- public-ip - The Elastic IP address, or the carrier IP address.
- tag:\ - The key/value combination of a tag assigned to the resource. Use the tag key in the filter name and the tag value as the filter value. For example, to find all resources that have a tag with the key Owner and the value TeamA, specify tag:Owner for the filter name and TeamA for the filter value.
- tag-key - The key of a tag assigned to the resource. Use this filter to find all resources assigned a tag with a specific key, regardless of the tag value.

PublicIp

One or more Elastic IP addresses.

Default: Describes all your Elastic IP addresses.

AllocationId

[EC2-VPC] Information about the allocation IDs.

DryRun

Checks whether you have the required permissions for the action, without actually making the request, and provides an error response. If you have the required permissions, the error response is `DryRunOperation`. Otherwise, it is `UnauthorizedOperation`.

---

ec2_describe_addresses_attribute

Describe Addresses Attribute

Description

Describes the attributes of the specified Elastic IP addresses. For requirements, see Using reverse DNS for email applications.

Usage

```
ec2_describe_addresses_attribute(
  AllocationId = NULL,
  Attribute = NULL,
  NextToken = NULL,
  MaxResults = NULL,
  DryRun = NULL,
  simplify = TRUE,
  others = list(),
  print_on_error = aws_get_print_on_error(),
  retry_time = aws_get_retry_time(),
  network_timeout = aws_get_network_timeout(),
  region = aws_get_region()
)
```

Arguments

AllocationId	List. [EC2-VPC] The allocation IDs.[optional]
Attribute	Character. The attribute of the IP address.[optional]
NextToken	Characters. The token for the next page of results[optional]
MaxResults	Integer. The maximum number of results to return with a single call.[optional]
DryRun	Logical. Checks whether you have the required permissions for the action, without actually making the request,...[optional]
simplify	Logical. Whether to simplify the result and handle nextToken in the response[optional]
others	Named list. The parameters that are not included in the function parameters and need to be added into the request[optional]

print_on_error   Logical. Whether to show an error message when a network error occurs.

retry_time   Integer. Number of retries for a REST request when encounter the network
                 issue. If the request has been sent retry_time times but still not be able to get
                 the response, an error will be thrown.

network_timeout

                 Numeric. Number of seconds to wait for a REST response until giving up. Can
                 not be less than 1 ms.

region   Character. The region of the AWS service.

Value

A list object or a character vector

AllocationId

[EC2-VPC] The allocation IDs.

Attribute

The attribute of the IP address.

MaxResults

The maximum number of results to return with a single call. To retrieve the remaining results, make
another call with the returned nextToken value.

DryRun

Checks whether you have the required permissions for the action, without actually making the
request, and provides an error response. If you have the required permissions, the error response is
DryRunOperation. Otherwise, it is UnauthorizedOperation.

---

ec2_describe_aggregate_id_format
                          Describe Aggregate Id Format

Description

Describe Aggregate Id Format

Usage

```
ec2_describe_aggregate_id_format(
  DryRun = NULL,
  simplify = TRUE,
  others = list(),
  print_on_error = aws_get_print_on_error(),
  retry_time = aws_get_retry_time(),
  network_timeout = aws_get_network_timeout(),
  region = aws_get_region()
)
```

Arguments

DryRun	Logical. Checks whether you have the required permissions for the action, without actually making the request,...[optional]
simplify	Logical. Whether to simplify the result and handle nextToken in the response[optional]
others	Named list. The parameters that are not included in the function parameters and need to be added into the request[optional]
print_on_error	Logical. Whether to show an error message when a network error occurs.
retry_time	Integer. Number of retries for a REST request when encounter the network issue. If the request has been sent retry_time times but still not be able to get the response, an error will be thrown.
network_timeout	
	Numeric. Number of seconds to wait for a REST response until giving up. Can not be less than 1 ms.
region	Character. The region of the AWS service.

Value

A list object or a character vector

DryRun

Checks whether you have the required permissions for the action, without actually making the request, and provides an error response. If you have the required permissions, the error response is DryRunOperation. Otherwise, it is UnauthorizedOperation.

---

ec2_describe_availability_zones
                    Describe Availability Zones

Description

Describe Availability Zones

Usage

```
ec2_describe_availability_zones(
  Filter = NULL,
  ZoneName = NULL,
  ZoneId = NULL,
  AllAvailabilityZones = NULL,
  DryRun = NULL,
  simplify = TRUE,
  others = list(),
  print_on_error = aws_get_print_on_error(),
  retry_time = aws_get_retry_time(),
  network_timeout = aws_get_network_timeout(),
  region = aws_get_region()
)
```

Arguments

Filter	Named list where the name is the filter name and the value is the filter's value. The value can be a vector or a list object (see below)[optional]
ZoneName	List. The names of the Availability Zones, Local Zones, and Wavelength Zones.[optional]
ZoneId	List. The IDs of the Availability Zones, Local Zones, and Wavelength Zones.[optional]
AllAvailabilityZones	
	Logical. Include all Availability Zones, Local Zones, and Wavelength Zones regardless of your opt-in status....[optional]
DryRun	Logical. Checks whether you have the required permissions for the action, without actually making the request,...[optional]
simplify	Logical. Whether to simplify the result and handle nextToken in the response[optional]
others	Named list. The parameters that are not included in the function parameters and need to be added into the request[optional]
print_on_error	Logical. Whether to show an error message when a network error occurs.
retry_time	Integer. Number of retries for a REST request when encounter the network issue. If the request has been sent retry_time times but still not be able to get the response, an error will be thrown.
network_timeout	
	Numeric. Number of seconds to wait for a REST response until giving up. Can not be less than 1 ms.
region	Character. The region of the AWS service.

Value

A list object or a character vector

Filter

The filters.

- `group-name` - For Availability Zones, use the Region name. For Local Zones, use the name of the group associated with the Local Zone (for example, `us-west-2-lax-1`) For Wavelength Zones, use the name of the group associated with the Wavelength Zone (for example, `us-east-1-wl1-bos-wlz-1`).

- `message` - The Zone message.

- opt-in-status - The opt-in status (opted-in, and not-opted-in \| opt-in-not-required).

- `parent-zoneID` - The ID of the zone that handles some of the Local Zone and Wavelength Zone control plane operations, such as API calls.

- `parent-zoneName` - The ID of the zone that handles some of the Local Zone and Wavelength Zone control plane operations, such as API calls.

- `region-name` - The name of the Region for the Zone (for example, `us-east-1`).

- `state` - The state of the Availability Zone, the Local Zone, or the Wavelength Zone (`available` \| `information` \| `impaired` \| `unavailable`).

- `zone-id` - The ID of the Availability Zone (for example, `use1-az1`), the Local Zone (for example, `usw2-lax1-az1`), or the Wavelength Zone (for example, `us-east-1-wl1-bos-wlz-1`).

- `zone-type` - The type of zone, for example, `local-zone`.

- `zone-name` - The name of the Availability Zone (for example, us-east-1a), the Local Zone (for example, us-west-2-lax-1a), or the Wavelength Zone (for example, `us-east-1-wl1-bos-wlz-1`).

- `zone-type` - The type of zone, for example, `local-zone`.

ZoneName

The names of the Availability Zones, Local Zones, and Wavelength Zones.

ZoneId

The IDs of the Availability Zones, Local Zones, and Wavelength Zones.

AllAvailabilityZones

Include all Availability Zones, Local Zones, and Wavelength Zones regardless of your opt-in status.

If you do not use this parameter, the results include only the zones for the Regions where you have chosen the option to opt in.

DryRun

Checks whether you have the required permissions for the action, without actually making the request, and provides an error response. If you have the required permissions, the error response is `DryRunOperation`. Otherwise, it is `UnauthorizedOperation`.

ec2_describe_bundle_tasks

Describe Bundle Tasks

Description

Describe Bundle Tasks

Usage

```
ec2_describe_bundle_tasks(
  BundleId = NULL,
  Filter = NULL,
  DryRun = NULL,
  simplify = TRUE,
  others = list(),
  print_on_error = aws_get_print_on_error(),
  retry_time = aws_get_retry_time(),
  network_timeout = aws_get_network_timeout(),
  region = aws_get_region()
)
```

Arguments

BundleId	List. The bundle task IDs. Default: Describes all your bundle tasks. [optional]
Filter	Named list where the name is the filter name and the value is the filter's value. The value can be a vector or a list object (see below)[optional]
DryRun	Logical. Checks whether you have the required permissions for the action, without actually making the request,...[optional]
simplify	Logical. Whether to simplify the result and handle nextToken in the response[optional]
others	Named list. The parameters that are not included in the function parameters and need to be added into the request[optional]
print_on_error	Logical. Whether to show an error message when a network error occurs.
retry_time	Integer. Number of retries for a REST request when encounter the network issue. If the request has been sent retry_time times but still not be able to get the response, an error will be thrown.
network_timeout	
	Numeric. Number of seconds to wait for a REST response until giving up. Can not be less than 1 ms.
region	Character. The region of the AWS service.

Value

A list object or a character vector

BundleId

The bundle task IDs.

Default: Describes all your bundle tasks.

Filter

The filters.

- `bundle-id` - The ID of the bundle task.
- `error-code` - If the task failed, the error code returned.
- `error-message` - If the task failed, the error message returned.
- `instance-id` - The ID of the instance.
- `progress` - The level of task completion, as a percentage (for example, 20\
- `s3-bucket` - The Amazon S3 bucket to store the AMI.
- `s3-prefix` - The beginning of the AMI name.
- `start-time` - The time the task started (for example, 2013-09-15T17:15:20.000Z).
- `state` - The state of the task (pending \| waiting-for-shutdown \| bundling \| storing \| cancelling \| complete \| failed).
- `update-time` - The time of the most recent update for the task.

DryRun

Checks whether you have the required permissions for the action, without actually making the request, and provides an error response. If you have the required permissions, the error response is `DryRunOperation`. Otherwise, it is `UnauthorizedOperation`.

---

ec2_describe_byoip_cidrs

Describe Byoip Cidrs

Description

Describe Byoip Cidrs

Usage

```
ec2_describe_byoip_cidrs(
  MaxResults,
  DryRun = NULL,
  NextToken = NULL,
  simplify = TRUE,
  others = list(),
  print_on_error = aws_get_print_on_error(),
  retry_time = aws_get_retry_time(),
  network_timeout = aws_get_network_timeout(),
  region = aws_get_region()
)
```

Arguments

MaxResults	Integer. The maximum number of results to return with a single call.
DryRun	Logical. Checks whether you have the required permissions for the action, without actually making the request,...[optional]
NextToken	Characters. The token for the next page of results[optional]
simplify	Logical. Whether to simplify the result and handle nextToken in the response[optional]
others	Named list. The parameters that are not included in the function parameters and need to be added into the request[optional]
print_on_error	Logical. Whether to show an error message when a network error occurs.
retry_time	Integer. Number of retries for a REST request when encounter the network issue. If the request has been sent retry_time times but still not be able to get the response, an error will be thrown.
network_timeout	
	Numeric. Number of seconds to wait for a REST response until giving up. Can not be less than 1 ms.
region	Character. The region of the AWS service.

Value

A list object or a character vector

MaxResults

The maximum number of results to return with a single call. To retrieve the remaining results, make another call with the returned nextToken value.

DryRun

Checks whether you have the required permissions for the action, without actually making the request, and provides an error response. If you have the required permissions, the error response is DryRunOperation. Otherwise, it is UnauthorizedOperation.

---

ec2_describe_capacity_reservations
Describe Capacity Reservations

Description

Describes one or more of your Capacity Reservations. The results describe only the Capacity Reservations in the AWS Region that you\'re currently using.

Usage

```
ec2_describe_capacity_reservations(
  CapacityReservationId = NULL,
  NextToken = NULL,
  MaxResults = NULL,
  Filter = NULL,
  DryRun = NULL,
  simplify = TRUE,
  others = list(),
  print_on_error = aws_get_print_on_error(),
  retry_time = aws_get_retry_time(),
  network_timeout = aws_get_network_timeout(),
  region = aws_get_region()
)
```

Arguments

CapacityReservationId

        List. The ID of the Capacity Reservation.[optional]

NextToken	Characters. The token for the next page of results[optional]
MaxResults	Integer. The maximum number of results to return for the request in a single page.[optional]
Filter	Named list where the name is the filter name and the value is the filter's value. The value can be a vector or a list object (see below)[optional]
DryRun	Logical. Checks whether you have the required permissions for the action, without actually making the request,...[optional]
simplify	Logical. Whether to simplify the result and handle `nextToken` in the response[optional]
others	Named list. The parameters that are not included in the function parameters and need to be added into the request[optional]
print_on_error	Logical. Whether to show an error message when a network error occurs.
retry_time	Integer. Number of retries for a REST request when encounter the network issue. If the request has been sent `retry_time` times but still not be able to get the response, an error will be thrown.

network_timeout

        Numeric. Number of seconds to wait for a REST response until giving up. Can not be less than 1 ms.

region	Character. The region of the AWS service.

Value

A list object or a character vector

CapacityReservationId

The ID of the Capacity Reservation.

MaxResults

The maximum number of results to return for the request in a single page. The remaining results can be seen by sending another request with the returned `nextToken` value. This value can be between 5 and 500. If `maxResults` is given a larger value than 500, you receive an error.

Filter

One or more filters.

- `instance-type` - The type of instance for which the Capacity Reservation reserves capacity.
- `owner-id` - The ID of the AWS account that owns the Capacity Reservation.
- `availability-zone-id` - The Availability Zone ID of the Capacity Reservation.
- `instance-platform` - The type of operating system for which the Capacity Reservation reserves capacity.
- `availability-zone` - The Availability Zone ID of the Capacity Reservation.
- `tenancy` - Indicates the tenancy of the Capacity Reservation. A Capacity Reservation can have one of the following tenancy settings:
    - `default` - The Capacity Reservation is created on hardware that is shared with other AWS accounts.
    - `dedicated` - The Capacity Reservation is created on single-tenant hardware that is dedicated to a single AWS account.
- `state` - The current state of the Capacity Reservation. A Capacity Reservation can be in one of the following states:
    - `active`- The Capacity Reservation is active and the capacity is available for your use.
    - `expired` - The Capacity Reservation expired automatically at the date and time specified in your request. The reserved capacity is no longer available for your use.
    - `cancelled` - The Capacity Reservation was cancelled. The reserved capacity is no longer available for your use.
    - `pending` - The Capacity Reservation request was successful but the capacity provisioning is still pending.
    - `failed` - The Capacity Reservation request has failed. A request might fail due to invalid request parameters, capacity constraints, or instance limit constraints. Failed requests are retained for 60 minutes.
- `end-date` - The date and time at which the Capacity Reservation expires. When a Capacity Reservation expires, the reserved capacity is released and you can no longer launch instances into it. The Capacity Reservation\'s state changes to expired when it reaches its end date and time.
- `end-date-type` - Indicates the way in which the Capacity Reservation ends. A Capacity Reservation can have one of the following end types:
    - `unlimited` - The Capacity Reservation remains active until you explicitly cancel it.
    - `limited` - The Capacity Reservation expires automatically at a specified date and time.
- `instance-match-criteria` - Indicates the type of instance launches that the Capacity Reservation accepts. The options include:

- open - The Capacity Reservation accepts all instances that have matching attributes (instance type, platform, and Availability Zone). Instances that have matching attributes launch into the Capacity Reservation automatically without specifying any additional parameters.
- targeted - The Capacity Reservation only accepts instances that have matching attributes (instance type, platform, and Availability Zone), and explicitly target the Capacity Reservation. This ensures that only permitted instances can use the reserved capacity.

DryRun

Checks whether you have the required permissions for the action, without actually making the request, and provides an error response. If you have the required permissions, the error response is DryRunOperation. Otherwise, it is UnauthorizedOperation.

---

ec2_describe_carrier_gateways

Describe Carrier Gateways

Description

Describes one or more of your carrier gateways.

Usage

```
ec2_describe_carrier_gateways(
  CarrierGatewayId = NULL,
  Filter = NULL,
  MaxResults = NULL,
  NextToken = NULL,
  DryRun = NULL,
  simplify = TRUE,
  others = list(),
  print_on_error = aws_get_print_on_error(),
  retry_time = aws_get_retry_time(),
  network_timeout = aws_get_network_timeout(),
  region = aws_get_region()
)
```

Arguments

CarrierGatewayId

List. One or more carrier gateway IDs.[optional]

Filter   Named list where the name is the filter name and the value is the filter's value. The value can be a vector or a list object (see below)[optional]

MaxResults   Integer. The maximum number of results to return with a single call.[optional]

NextToken   Characters. The token for the next page of results[optional]

DryRun	Logical. Checks whether you have the required permissions for the action, without actually making the request,...[optional]
simplify	Logical. Whether to simplify the result and handle nextToken in the response[optional]
others	Named list. The parameters that are not included in the function parameters and need to be added into the request[optional]
print_on_error	Logical. Whether to show an error message when a network error occurs.
retry_time	Integer. Number of retries for a REST request when encounter the network issue. If the request has been sent retry_time times but still not be able to get the response, an error will be thrown.
network_timeout	
	Numeric. Number of seconds to wait for a REST response until giving up. Can not be less than 1 ms.
region	Character. The region of the AWS service.

Value

A list object or a character vector

CarrierGatewayId

One or more carrier gateway IDs.

Filter

One or more filters.

- carrier-gateway-id - The ID of the carrier gateway.
- state - The state of the carrier gateway (pending \| failed \| available \| deleting \| deleted).
- owner-id - The AWS account ID of the owner of the carrier gateway.
- tag:\ - The key/value combination of a tag assigned to the resource. Use the tag key in the filter name and the tag value as the filter value. For example, to find all resources that have a tag with the key Owner and the value TeamA, specify tag:Owner for the filter name and TeamA for the filter value.
- tag-key - The key of a tag assigned to the resource. Use this filter to find all resources assigned a tag with a specific key, regardless of the tag value.
- vpc-id - The ID of the VPC associated with the carrier gateway.

MaxResults

The maximum number of results to return with a single call. To retrieve the remaining results, make another call with the returned nextToken value.

DryRun

Checks whether you have the required permissions for the action, without actually making the request, and provides an error response. If you have the required permissions, the error response is DryRunOperation. Otherwise, it is UnauthorizedOperation.

ec2_describe_classic_link_instances
Describe Classic Link Instances

Description

Describes one or more of your linked EC2-Classic instances. This request only returns information about EC2-Classic instances linked to a VPC through ClassicLink. You cannot use this request to return information about other instances.

Usage

```
ec2_describe_classic_link_instances(
  Filter = NULL,
  DryRun = NULL,
  InstanceId = NULL,
  MaxResults = NULL,
  NextToken = NULL,
  simplify = TRUE,
  others = list(),
  print_on_error = aws_get_print_on_error(),
  retry_time = aws_get_retry_time(),
  network_timeout = aws_get_network_timeout(),
  region = aws_get_region()
)
```

Arguments

Filter	Named list where the name is the filter name and the value is the filter's value. The value can be a vector or a list object (see below)[optional]
DryRun	Logical. Checks whether you have the required permissions for the action, without actually making the request,...[optional]
InstanceId	List. One or more instance IDs. Must be instances linked to a VPC through ClassicLink.[optional]
MaxResults	Integer. The maximum number of results to return with a single call.[optional]
NextToken	Characters. The token for the next page of results[optional]
simplify	Logical. Whether to simplify the result and handle nextToken in the response[optional]
others	Named list. The parameters that are not included in the function parameters and need to be added into the request[optional]
print_on_error	Logical. Whether to show an error message when a network error occurs.
retry_time	Integer. Number of retries for a REST request when encounter the network issue. If the request has been sent retry_time times but still not be able to get the response, an error will be thrown.

network_timeout

> Numeric. Number of seconds to wait for a REST response until giving up. Can not be less than 1 ms.

region   Character. The region of the AWS service.

Value

A list object or a character vector

Filter

One or more filters.

- group-id - The ID of a VPC security group that\'s associated with the instance.

- instance-id - The ID of the instance.

- tag:\ - The key/value combination of a tag assigned to the resource. Use the tag key in the filter name and the tag value as the filter value. For example, to find all resources that have a tag with the key Owner and the value TeamA, specify tag:Owner for the filter name and TeamA for the filter value.

- tag-key - The key of a tag assigned to the resource. Use this filter to find all resources assigned a tag with a specific key, regardless of the tag value.

- vpc-id - The ID of the VPC to which the instance is linked.

  vpc-id - The ID of the VPC that the instance is linked to.

DryRun

Checks whether you have the required permissions for the action, without actually making the request, and provides an error response. If you have the required permissions, the error response is DryRunOperation. Otherwise, it is UnauthorizedOperation.

InstanceId

One or more instance IDs. Must be instances linked to a VPC through ClassicLink.

MaxResults

The maximum number of results to return with a single call. To retrieve the remaining results, make another call with the returned nextToken value.

Constraint: If the value is greater than 1000, we return only 1000 items.

---

ec2_describe_client_vpn_authorization_rules
Describe Client Vpn Authorization Rules

Description

Describes the authorization rules for a specified Client VPN endpoint.

Usage

```
ec2_describe_client_vpn_authorization_rules(
  ClientVpnEndpointId,
  DryRun = NULL,
  NextToken = NULL,
  Filter = NULL,
  MaxResults = NULL,
  simplify = TRUE,
  others = list(),
  print_on_error = aws_get_print_on_error(),
  retry_time = aws_get_retry_time(),
  network_timeout = aws_get_network_timeout(),
  region = aws_get_region()
)
```

Arguments

ClientVpnEndpointId

Character. The ID of the Client VPN endpoint.

DryRun   Logical. Checks whether you have the required permissions for the action, with-
                  out actually making the request,...[optional]

NextToken   Characters. The token for the next page of results[optional]

Filter   Named list where the name is the filter name and the value is the filter's value.
                  The value can be a vector or a list object (see below)[optional]

MaxResults   Integer. The maximum number of results to return for the request in a single
                  page.[optional]

simplify   Logical. Whether to simplify the result and handle nextToken in the response[optional]

others   Named list. The parameters that are not included in the function parameters and
                  need to be added into the request[optional]

print_on_error   Logical. Whether to show an error message when a network error occurs.

retry_time   Integer. Number of retries for a REST request when encounter the network
                  issue. If the request has been sent retry_time times but still not be able to get
                  the response, an error will be thrown.

network_timeout

                  Numeric. Number of seconds to wait for a REST response until giving up. Can
                  not be less than 1 ms.

region   Character. The region of the AWS service.

Value

A list object or a character vector

ClientVpnEndpointId

The ID of the Client VPN endpoint.

DryRun

Checks whether you have the required permissions for the action, without actually making the request, and provides an error response. If you have the required permissions, the error response is `DryRunOperation`. Otherwise, it is `UnauthorizedOperation`.

Filter

One or more filters. Filter names and values are case-sensitive.

- `description` - The description of the authorization rule.
- `destination-cidr` - The CIDR of the network to which the authorization rule applies.
- `group-id` - The ID of the Active Directory group to which the authorization rule grants access.

MaxResults

The maximum number of results to return for the request in a single page. The remaining results can be seen by sending another request with the nextToken value.

---

ec2_describe_client_vpn_connections
Describe Client Vpn Connections

Description

Describes active client connections and connections that have been terminated within the last 60 minutes for the specified Client VPN endpoint.

Usage

```
ec2_describe_client_vpn_connections(
  ClientVpnEndpointId,
  Filter = NULL,
  NextToken = NULL,
  MaxResults = NULL,
  DryRun = NULL,
  simplify = TRUE,
  others = list(),
  print_on_error = aws_get_print_on_error(),
  retry_time = aws_get_retry_time(),
```

```
    network_timeout = aws_get_network_timeout(),
    region = aws_get_region()
)
```

Arguments

ClientVpnEndpointId
:   Character. The ID of the Client VPN endpoint.

Filter
:   Named list where the name is the filter name and the value is the filter's value. The value can be a vector or a list object (see below)[optional]

NextToken
:   Characters. The token for the next page of results[optional]

MaxResults
:   Integer. The maximum number of results to return for the request in a single page.[optional]

DryRun
:   Logical. Checks whether you have the required permissions for the action, without actually making the request,...[optional]

simplify
:   Logical. Whether to simplify the result and handle nextToken in the response[optional]

others
:   Named list. The parameters that are not included in the function parameters and need to be added into the request[optional]

print_on_error
:   Logical. Whether to show an error message when a network error occurs.

retry_time
:   Integer. Number of retries for a REST request when encounter the network issue. If the request has been sent retry_time times but still not be able to get the response, an error will be thrown.

network_timeout
:   Numeric. Number of seconds to wait for a REST response until giving up. Can not be less than 1 ms.

region
:   Character. The region of the AWS service.

Value

A list object or a character vector

ClientVpnEndpointId

The ID of the Client VPN endpoint.

Filter

One or more filters. Filter names and values are case-sensitive.

- connection-id - The ID of the connection.
- username - For Active Directory client authentication, the user name of the client who established the client connection.

MaxResults

The maximum number of results to return for the request in a single page. The remaining results can be seen by sending another request with the nextToken value.

DryRun

Checks whether you have the required permissions for the action, without actually making the request, and provides an error response. If you have the required permissions, the error response is `DryRunOperation`. Otherwise, it is `UnauthorizedOperation`.

---

ec2_describe_client_vpn_endpoints
                        Describe Client Vpn Endpoints

Description

Describes one or more Client VPN endpoints in the account.

Usage

```
ec2_describe_client_vpn_endpoints(
  ClientVpnEndpointId = NULL,
  MaxResults = NULL,
  NextToken = NULL,
  Filter = NULL,
  DryRun = NULL,
  simplify = TRUE,
  others = list(),
  print_on_error = aws_get_print_on_error(),
  retry_time = aws_get_retry_time(),
  network_timeout = aws_get_network_timeout(),
  region = aws_get_region()
)
```

Arguments

ClientVpnEndpointId

                List. The ID of the Client VPN endpoint.[optional]

MaxResults   Integer. The maximum number of results to return for the request in a single
                page.[optional]

NextToken   Characters. The token for the next page of results[optional]

Filter   Named list where the name is the filter name and the value is the filter's value.
                The value can be a vector or a list object (see below)[optional]

DryRun   Logical. Checks whether you have the required permissions for the action, with-
                out actually making the request,...[optional]

simplify   Logical. Whether to simplify the result and handle nextToken in the response[optional]

others   Named list. The parameters that are not included in the function parameters and
                need to be added into the request[optional]

print_on_error Logical. Whether to show an error message when a network error occurs.

retry_time   Integer. Number of retries for a REST request when encounter the network issue. If the request has been sent `retry_time` times but still not be able to get the response, an error will be thrown.

network_timeout

Numeric. Number of seconds to wait for a REST response until giving up. Can not be less than 1 ms.

region   Character. The region of the AWS service.

Value

A list object or a character vector

ClientVpnEndpointId

The ID of the Client VPN endpoint.

MaxResults

The maximum number of results to return for the request in a single page. The remaining results can be seen by sending another request with the nextToken value.

Filter

One or more filters. Filter names and values are case-sensitive.

- `endpoint-id` - The ID of the Client VPN endpoint.

- `transport-protocol` - The transport protocol (`tcp \| udp`).

DryRun

Checks whether you have the required permissions for the action, without actually making the request, and provides an error response. If you have the required permissions, the error response is `DryRunOperation`. Otherwise, it is `UnauthorizedOperation`.

---

ec2_describe_client_vpn_routes
                    Describe Client Vpn Routes

Description

Describes the routes for the specified Client VPN endpoint.

Usage

```
ec2_describe_client_vpn_routes(
  ClientVpnEndpointId,
  Filter = NULL,
  MaxResults = NULL,
  NextToken = NULL,
  DryRun = NULL,
  simplify = TRUE,
  others = list(),
  print_on_error = aws_get_print_on_error(),
  retry_time = aws_get_retry_time(),
  network_timeout = aws_get_network_timeout(),
  region = aws_get_region()
)
```

Arguments

ClientVpnEndpointId

> Character. The ID of the Client VPN endpoint.

Filter   Named list where the name is the filter name and the value is the filter's value.
                   The value can be a vector or a list object (see below)[optional]

MaxResults   Integer. The maximum number of results to return for the request in a single
                   page.[optional]

NextToken   Characters. The token for the next page of results[optional]

DryRun   Logical. Checks whether you have the required permissions for the action, with-
                   out actually making the request,...[optional]

simplify   Logical. Whether to simplify the result and handle nextToken in the response[optional]

others   Named list. The parameters that are not included in the function parameters and
                   need to be added into the request[optional]

print_on_error   Logical. Whether to show an error message when a network error occurs.

retry_time   Integer. Number of retries for a REST request when encounter the network
                   issue. If the request has been sent retry_time times but still not be able to get
                   the response, an error will be thrown.

network_timeout

> Numeric. Number of seconds to wait for a REST response until giving up. Can
> not be less than 1 ms.

region   Character. The region of the AWS service.

Value

A list object or a character vector

ClientVpnEndpointId

The ID of the Client VPN endpoint.

Filter

One or more filters. Filter names and values are case-sensitive.

- `destination-cidr` - The CIDR of the route destination.

- `origin` - How the route was associated with the Client VPN endpoint (`associate \| add-route`).

- `target-subnet` - The ID of the subnet through which traffic is routed.

MaxResults

The maximum number of results to return for the request in a single page. The remaining results can be seen by sending another request with the nextToken value.

DryRun

Checks whether you have the required permissions for the action, without actually making the request, and provides an error response. If you have the required permissions, the error response is `DryRunOperation`. Otherwise, it is `UnauthorizedOperation`.

---

ec2_describe_client_vpn_target_networks
Describe Client Vpn Target Networks

Description

Describes the target networks associated with the specified Client VPN endpoint.

Usage

```
ec2_describe_client_vpn_target_networks(
  ClientVpnEndpointId,
  AssociationIds = NULL,
  MaxResults = NULL,
  NextToken = NULL,
  Filter = NULL,
  DryRun = NULL,
  simplify = TRUE,
  others = list(),
  print_on_error = aws_get_print_on_error(),
  retry_time = aws_get_retry_time(),
  network_timeout = aws_get_network_timeout(),
  region = aws_get_region()
)
```

Arguments

ClientVpnEndpointId

    Character. The ID of the Client VPN endpoint.

AssociationIds List. The IDs of the target network associations.[optional]

MaxResults Integer. The maximum number of results to return for the request in a single page.[optional]

NextToken   Characters. The token for the next page of results[optional]

Filter   Named list where the name is the filter name and the value is the filter's value. The value can be a vector or a list object (see below)[optional]

DryRun   Logical. Checks whether you have the required permissions for the action, without actually making the request,...[optional]

simplify   Logical. Whether to simplify the result and handle nextToken in the response[optional]

others   Named list. The parameters that are not included in the function parameters and need to be added into the request[optional]

print_on_error Logical. Whether to show an error message when a network error occurs.

retry_time   Integer. Number of retries for a REST request when encounter the network issue. If the request has been sent retry_time times but still not be able to get the response, an error will be thrown.

network_timeout

     Numeric. Number of seconds to wait for a REST response until giving up. Can not be less than 1 ms.

region   Character. The region of the AWS service.

Value

A list object or a character vector

ClientVpnEndpointId

The ID of the Client VPN endpoint.

AssociationIds

The IDs of the target network associations.

MaxResults

The maximum number of results to return for the request in a single page. The remaining results can be seen by sending another request with the nextToken value.

Filter

One or more filters. Filter names and values are case-sensitive.

- association-id - The ID of the association.
- target-network-id - The ID of the subnet specified as the target network.
- vpc-id - The ID of the VPC in which the target network is located.

DryRun

Checks whether you have the required permissions for the action, without actually making the request, and provides an error response. If you have the required permissions, the error response is DryRunOperation. Otherwise, it is UnauthorizedOperation.

---

ec2_describe_coip_pools

Describe Coip Pools

Description

Describes the specified customer-owned address pools or all of your customer-owned address pools.

Usage

```
ec2_describe_coip_pools(
  PoolId = NULL,
  Filter = NULL,
  MaxResults = NULL,
  NextToken = NULL,
  DryRun = NULL,
  simplify = TRUE,
  others = list(),
  print_on_error = aws_get_print_on_error(),
  retry_time = aws_get_retry_time(),
  network_timeout = aws_get_network_timeout(),
  region = aws_get_region()
)
```

Arguments

PoolId	List. The IDs of the address pools.[optional]
Filter	Named list where the name is the filter name and the value is the filter's value. The value can be a vector or a list object (see below)[optional]
MaxResults	Integer. The maximum number of results to return with a single call.[optional]
NextToken	Characters. The token for the next page of results[optional]
DryRun	Logical. Checks whether you have the required permissions for the action, without actually making the request,...[optional]
simplify	Logical. Whether to simplify the result and handle nextToken in the response[optional]
others	Named list. The parameters that are not included in the function parameters and need to be added into the request[optional]
print_on_error	Logical. Whether to show an error message when a network error occurs.
retry_time	Integer. Number of retries for a REST request when encounter the network issue. If the request has been sent retry_time times but still not be able to get the response, an error will be thrown.

network_timeout

> Numeric. Number of seconds to wait for a REST response until giving up. Can not be less than 1 ms.

region   Character. The region of the AWS service.

Value

A list object or a character vector

PoolId

The IDs of the address pools.

Filter

The filters. The following are the possible values:

- `coip-pool.pool-id`

- `coip-pool.local-gateway-route-table-id`

MaxResults

The maximum number of results to return with a single call. To retrieve the remaining results, make another call with the returned `nextToken` value.

DryRun

Checks whether you have the required permissions for the action, without actually making the request, and provides an error response. If you have the required permissions, the error response is `DryRunOperation`. Otherwise, it is `UnauthorizedOperation`.

---

ec2_describe_conversion_tasks
                          Describe Conversion Tasks

Description

Describe Conversion Tasks

Usage

```
ec2_describe_conversion_tasks(
  ConversionTaskId = NULL,
  DryRun = NULL,
  simplify = TRUE,
  others = list(),
  print_on_error = aws_get_print_on_error(),
  retry_time = aws_get_retry_time(),
  network_timeout = aws_get_network_timeout(),
  region = aws_get_region()
)
```

Arguments

ConversionTaskId

List. The conversion task IDs.[optional]

DryRun   Logical. Checks whether you have the required permissions for the action, without actually making the request,...[optional]

simplify   Logical. Whether to simplify the result and handle nextToken in the response[optional]

others   Named list. The parameters that are not included in the function parameters and need to be added into the request[optional]

print_on_error   Logical. Whether to show an error message when a network error occurs.

retry_time   Integer. Number of retries for a REST request when encounter the network issue. If the request has been sent retry_time times but still not be able to get the response, an error will be thrown.

network_timeout

Numeric. Number of seconds to wait for a REST response until giving up. Can not be less than 1 ms.

region   Character. The region of the AWS service.

Value

A list object or a character vector

ConversionTaskId

The conversion task IDs.

DryRun

Checks whether you have the required permissions for the action, without actually making the request, and provides an error response. If you have the required permissions, the error response is DryRunOperation. Otherwise, it is UnauthorizedOperation.

---

ec2_describe_customer_gateways

Describe Customer Gateways

Description

Describe Customer Gateways

Usage

```
ec2_describe_customer_gateways(
  CustomerGatewayId = NULL,
  Filter = NULL,
  DryRun = NULL,
  simplify = TRUE,
  others = list(),
  print_on_error = aws_get_print_on_error(),
  retry_time = aws_get_retry_time(),
  network_timeout = aws_get_network_timeout(),
  region = aws_get_region()
)
```

Arguments

CustomerGatewayId

> List. One or more customer gateway IDs. Default: Describes all your customer gateways. [optional]

Filter
: Named list where the name is the filter name and the value is the filter's value. The value can be a vector or a list object (see below)[optional]

DryRun
: Logical. Checks whether you have the required permissions for the action, without actually making the request,...[optional]

simplify
: Logical. Whether to simplify the result and handle nextToken in the response[optional]

others
: Named list. The parameters that are not included in the function parameters and need to be added into the request[optional]

print_on_error
: Logical. Whether to show an error message when a network error occurs.

retry_time
: Integer. Number of retries for a REST request when encounter the network issue. If the request has been sent retry_time times but still not be able to get the response, an error will be thrown.

network_timeout

> Numeric. Number of seconds to wait for a REST response until giving up. Can not be less than 1 ms.

region
: Character. The region of the AWS service.

Value

A list object or a character vector

CustomerGatewayId

One or more customer gateway IDs.

Default: Describes all your customer gateways.

Filter

One or more filters.

- `bgp-asn` - The customer gateway\'s Border Gateway Protocol (BGP) Autonomous System Number (ASN).
- `customer-gateway-id` - The ID of the customer gateway.
- `ip-address` - The IP address of the customer gateway\'s Internet-routable external interface.
- `state` - The state of the customer gateway (pending \| `available` \| `deleting` \| `deleted`).
- `type` - The type of customer gateway. Currently, the only supported type is `ipsec.1`.
- `tag:\` - The key/value combination of a tag assigned to the resource. Use the tag key in the filter name and the tag value as the filter value. For example, to find all resources that have a tag with the key `Owner` and the value `TeamA`, specify `tag:Owner` for the filter name and `TeamA` for the filter value.
- `tag-key` - The key of a tag assigned to the resource. Use this filter to find all resources assigned a tag with a specific key, regardless of the tag value.

DryRun

Checks whether you have the required permissions for the action, without actually making the request, and provides an error response. If you have the required permissions, the error response is `DryRunOperation`. Otherwise, it is `UnauthorizedOperation`.

---

ec2_describe_dhcp_options

Describe Dhcp Options

Description

Describe Dhcp Options

Usage

```
ec2_describe_dhcp_options(
  DhcpOptionsId = NULL,
  Filter = NULL,
  DryRun = NULL,
  NextToken = NULL,
  MaxResults = NULL,
  simplify = TRUE,
  others = list(),
```

```
  print_on_error = aws_get_print_on_error(),
  retry_time = aws_get_retry_time(),
  network_timeout = aws_get_network_timeout(),
  region = aws_get_region()
)
```

Arguments

DhcpOptionsId	List. The IDs of one or more DHCP options sets. Default: Describes all your DHCP options sets. [optional]
Filter	Named list where the name is the filter name and the value is the filter's value. The value can be a vector or a list object (see below)[optional]
DryRun	Logical. Checks whether you have the required permissions for the action, without actually making the request,...[optional]
NextToken	Characters. The token for the next page of results[optional]
MaxResults	Integer. The maximum number of results to return with a single call.[optional]
simplify	Logical. Whether to simplify the result and handle nextToken in the response[optional]
others	Named list. The parameters that are not included in the function parameters and need to be added into the request[optional]
print_on_error	Logical. Whether to show an error message when a network error occurs.
retry_time	Integer. Number of retries for a REST request when encounter the network issue. If the request has been sent retry_time times but still not be able to get the response, an error will be thrown.
network_timeout	
	Numeric. Number of seconds to wait for a REST response until giving up. Can not be less than 1 ms.
region	Character. The region of the AWS service.

Value

A list object or a character vector

DhcpOptionsId

The IDs of one or more DHCP options sets.

Default: Describes all your DHCP options sets.

Filter

One or more filters.

- dhcp-options-id - The ID of a DHCP options set.
- key - The key for one of the options (for example, domain-name).
- value - The value for one of the options.
- owner-id - The ID of the AWS account that owns the DHCP options set.

- `tag:\` - The key/value combination of a tag assigned to the resource. Use the tag key in the filter name and the tag value as the filter value. For example, to find all resources that have a tag with the key `Owner` and the value `TeamA`, specify `tag:Owner` for the filter name and `TeamA` for the filter value.
- `tag-key` - The key of a tag assigned to the resource. Use this filter to find all resources assigned a tag with a specific key, regardless of the tag value.

DryRun

Checks whether you have the required permissions for the action, without actually making the request, and provides an error response. If you have the required permissions, the error response is `DryRunOperation`. Otherwise, it is `UnauthorizedOperation`.

MaxResults

The maximum number of results to return with a single call. To retrieve the remaining results, make another call with the returned `nextToken` value.

---

ec2_describe_egress_only_internet_gateways
Describe Egress Only Internet Gateways

Description

Describes one or more of your egress-only internet gateways.

Usage

```
ec2_describe_egress_only_internet_gateways(
  DryRun = NULL,
  EgressOnlyInternetGatewayId = NULL,
  MaxResults = NULL,
  NextToken = NULL,
  Filter = NULL,
  simplify = TRUE,
  others = list(),
  print_on_error = aws_get_print_on_error(),
  retry_time = aws_get_retry_time(),
  network_timeout = aws_get_network_timeout(),
  region = aws_get_region()
)
```

Arguments

DryRun   Logical. Checks whether you have the required permissions for the action, without actually making the request,...[optional]

EgressOnlyInternetGatewayId	
	List. One or more egress-only internet gateway IDs.[optional]
MaxResults	Integer. The maximum number of results to return with a single call.[optional]
NextToken	Characters. The token for the next page of results[optional]
Filter	Named list where the name is the filter name and the value is the filter's value. The value can be a vector or a list object (see below)[optional]
simplify	Logical. Whether to simplify the result and handle nextToken in the response[optional]
others	Named list. The parameters that are not included in the function parameters and need to be added into the request[optional]
print_on_error	Logical. Whether to show an error message when a network error occurs.
retry_time	Integer. Number of retries for a REST request when encounter the network issue. If the request has been sent retry_time times but still not be able to get the response, an error will be thrown.
network_timeout	
	Numeric. Number of seconds to wait for a REST response until giving up. Can not be less than 1 ms.
region	Character. The region of the AWS service.

Value

A list object or a character vector

DryRun

Checks whether you have the required permissions for the action, without actually making the request, and provides an error response. If you have the required permissions, the error response is DryRunOperation. Otherwise, it is UnauthorizedOperation.

EgressOnlyInternetGatewayId

One or more egress-only internet gateway IDs.

MaxResults

The maximum number of results to return with a single call. To retrieve the remaining results, make another call with the returned nextToken value.

Filter

One or more filters.

- tag:\ - The key/value combination of a tag assigned to the resource. Use the tag key in the filter name and the tag value as the filter value. For example, to find all resources that have a tag with the key Owner and the value TeamA, specify tag:Owner for the filter name and TeamA for the filter value.

- tag-key - The key of a tag assigned to the resource. Use this filter to find all resources assigned a tag with a specific key, regardless of the tag value.

ec2_describe_elastic_gpus

Describe Elastic Gpus

Description

Describes the Elastic Graphics accelerator associated with your instances. For more information about Elastic Graphics, see Amazon Elastic Graphics.

Usage

```
ec2_describe_elastic_gpus(
  ElasticGpuId = NULL,
  DryRun = NULL,
  Filter = NULL,
  MaxResults = NULL,
  NextToken = NULL,
  simplify = TRUE,
  others = list(),
  print_on_error = aws_get_print_on_error(),
  retry_time = aws_get_retry_time(),
  network_timeout = aws_get_network_timeout(),
  region = aws_get_region()
)
```

Arguments

ElasticGpuId	List. The Elastic Graphics accelerator IDs.[optional]
DryRun	Logical. Checks whether you have the required permissions for the action, without actually making the request,...[optional]
Filter	Named list where the name is the filter name and the value is the filter's value. The value can be a vector or a list object (see below)[optional]
MaxResults	Integer. The maximum number of results to return in a single call.[optional]
NextToken	Characters. The token for the next page of results[optional]
simplify	Logical. Whether to simplify the result and handle nextToken in the response[optional]
others	Named list. The parameters that are not included in the function parameters and need to be added into the request[optional]
print_on_error	Logical. Whether to show an error message when a network error occurs.
retry_time	Integer. Number of retries for a REST request when encounter the network issue. If the request has been sent retry_time times but still not be able to get the response, an error will be thrown.
network_timeout	Numeric. Number of seconds to wait for a REST response until giving up. Can not be less than 1 ms.
region	Character. The region of the AWS service.

Value

A list object or a character vector

ElasticGpuId

The Elastic Graphics accelerator IDs.

DryRun

Checks whether you have the required permissions for the action, without actually making the request, and provides an error response. If you have the required permissions, the error response is DryRunOperation. Otherwise, it is UnauthorizedOperation.

Filter

The filters.

- availability-zone - The Availability Zone in which the Elastic Graphics accelerator resides.
- elastic-gpu-health - The status of the Elastic Graphics accelerator (OK \| IMPAIRED).
- elastic-gpu-state - The state of the Elastic Graphics accelerator (ATTACHED).
- elastic-gpu-type - The type of Elastic Graphics accelerator; for example, eg1.medium.
- instance-id - The ID of the instance to which the Elastic Graphics accelerator is associated.

MaxResults

The maximum number of results to return in a single call. To retrieve the remaining results, make another call with the returned NextToken value. This value can be between 5 and 1000.

---

ec2_describe_export_image_tasks

Describe Export Image Tasks

Description

Describes the specified export image tasks or all of your export image tasks.

Usage

```
ec2_describe_export_image_tasks(
  DryRun = NULL,
  Filter = NULL,
  ExportImageTaskId = NULL,
  MaxResults = NULL,
  NextToken = NULL,
  simplify = TRUE,
```

```
    others = list(),
    print_on_error = aws_get_print_on_error(),
    retry_time = aws_get_retry_time(),
    network_timeout = aws_get_network_timeout(),
    region = aws_get_region()
)
```

Arguments

DryRun	Logical. Checks whether you have the required permissions for the action, without actually making the request,...[optional]
Filter	Named list where the name is the filter name and the value is the filter's value. The value can be a vector or a list object (see below)[optional]
ExportImageTaskId	
	List. The IDs of the export image tasks.[optional]
MaxResults	Integer. The maximum number of results to return in a single call.[optional]
NextToken	Characters. The token for the next page of results[optional]
simplify	Logical. Whether to simplify the result and handle nextToken in the response[optional]
others	Named list. The parameters that are not included in the function parameters and need to be added into the request[optional]
print_on_error	Logical. Whether to show an error message when a network error occurs.
retry_time	Integer. Number of retries for a REST request when encounter the network issue. If the request has been sent retry_time times but still not be able to get the response, an error will be thrown.
network_timeout	
	Numeric. Number of seconds to wait for a REST response until giving up. Can not be less than 1 ms.
region	Character. The region of the AWS service.

Value

A list object or a character vector

DryRun

Checks whether you have the required permissions for the action, without actually making the request, and provides an error response. If you have the required permissions, the error response is DryRunOperation. Otherwise, it is UnauthorizedOperation.

Filter

Filter tasks using the task-state filter and one of the following values: active, completed, deleting, or deleted.

ExportImageTaskId

The IDs of the export image tasks.

MaxResults

The maximum number of results to return in a single call.

---

ec2_describe_export_tasks
                              Describe Export Tasks

Description

Describes the specified export instance tasks or all of your export instance tasks.

Usage

```
ec2_describe_export_tasks(
  ExportTaskId = NULL,
  Filter = NULL,
  simplify = TRUE,
  others = list(),
  print_on_error = aws_get_print_on_error(),
  retry_time = aws_get_retry_time(),
  network_timeout = aws_get_network_timeout(),
  region = aws_get_region()
)
```

Arguments

ExportTaskId	List. The export task IDs.[optional]
Filter	Named list where the name is the filter name and the value is the filter's value. The value can be a vector or a list object (see below)[optional]
simplify	Logical. Whether to simplify the result and handle nextToken in the response[optional]
others	Named list. The parameters that are not included in the function parameters and need to be added into the request[optional]
print_on_error	Logical. Whether to show an error message when a network error occurs.
retry_time	Integer. Number of retries for a REST request when encounter the network issue. If the request has been sent retry_time times but still not be able to get the response, an error will be thrown.
network_timeout	
	Numeric. Number of seconds to wait for a REST response until giving up. Can not be less than 1 ms.
region	Character. The region of the AWS service.

Value

A list object or a character vector

ExportTaskId

The export task IDs.

Filter

the filters for the export tasks.

---

ec2_describe_fast_snapshot_restores

Describe Fast Snapshot Restores

Description

Describes the state of fast snapshot restores for your snapshots.

Usage

```
ec2_describe_fast_snapshot_restores(
  Filter = NULL,
  MaxResults = NULL,
  NextToken = NULL,
  DryRun = NULL,
  simplify = TRUE,
  others = list(),
  print_on_error = aws_get_print_on_error(),
  retry_time = aws_get_retry_time(),
  network_timeout = aws_get_network_timeout(),
  region = aws_get_region()
)
```

Arguments

Filter	Named list where the name is the filter name and the value is the filter's value. The value can be a vector or a list object (see below)[optional]
MaxResults	Integer. The maximum number of results to return with a single call.[optional]
NextToken	Characters. The token for the next page of results[optional]
DryRun	Logical. Checks whether you have the required permissions for the action, without actually making the request,...[optional]
simplify	Logical. Whether to simplify the result and handle nextToken in the response[optional]
others	Named list. The parameters that are not included in the function parameters and need to be added into the request[optional]
print_on_error	Logical. Whether to show an error message when a network error occurs.
retry_time	Integer. Number of retries for a REST request when encounter the network issue. If the request has been sent retry_time times but still not be able to get the response, an error will be thrown.

network_timeout

> Numeric. Number of seconds to wait for a REST response until giving up. Can not be less than 1 ms.

region																			Character. The region of the AWS service.

Value

A list object or a character vector

Filter

The filters. The possible values are:

- availability-zone: The Availability Zone of the snapshot.
- owner-id: The ID of the AWS account that enabled fast snapshot restore on the snapshot.
- snapshot-id: The ID of the snapshot.
- state: The state of fast snapshot restores for the snapshot (enabling \| optimizing \| enabled \| disabling \| disabled).

MaxResults

The maximum number of results to return with a single call. To retrieve the remaining results, make another call with the returned nextToken value.

DryRun

Checks whether you have the required permissions for the action, without actually making the request, and provides an error response. If you have the required permissions, the error response is DryRunOperation. Otherwise, it is UnauthorizedOperation.

---

ec2_describe_fleets					*Describe Fleets*

Description

Describe Fleets

Usage

```
ec2_describe_fleets(
  DryRun = NULL,
  MaxResults = NULL,
  NextToken = NULL,
  FleetId = NULL,
  Filter = NULL,
  simplify = TRUE,
  others = list(),
```

```
    print_on_error = aws_get_print_on_error(),
    retry_time = aws_get_retry_time(),
    network_timeout = aws_get_network_timeout(),
    region = aws_get_region()
)
```

Arguments

DryRun	Logical. Checks whether you have the required permissions for the action, without actually making the request,...[optional]
MaxResults	Integer. The maximum number of results to return in a single call.[optional]
NextToken	Characters. The token for the next page of results[optional]
FleetId	List. The ID of the EC2 Fleets.[optional]
Filter	Named list where the name is the filter name and the value is the filter's value. The value can be a vector or a list object (see below)[optional]
simplify	Logical. Whether to simplify the result and handle nextToken in the response[optional]
others	Named list. The parameters that are not included in the function parameters and need to be added into the request[optional]
print_on_error	Logical. Whether to show an error message when a network error occurs.
retry_time	Integer. Number of retries for a REST request when encounter the network issue. If the request has been sent retry_time times but still not be able to get the response, an error will be thrown.
network_timeout	
	Numeric. Number of seconds to wait for a REST response until giving up. Can not be less than 1 ms.
region	Character. The region of the AWS service.

Value

A list object or a character vector

DryRun

Checks whether you have the required permissions for the action, without actually making the request, and provides an error response. If you have the required permissions, the error response is DryRunOperation. Otherwise, it is UnauthorizedOperation.

MaxResults

The maximum number of results to return in a single call. Specify a value between 1 and 1000. The default value is 1000. To retrieve the remaining results, make another call with the returned NextToken value.

FleetId

The ID of the EC2 Fleets.

Filter

The filters.

- `activity-status` - The progress of the EC2 Fleet (`error` \| `pending-fulfillment` \| `pending-termination` \| `fulfilled`).

- `excess-capacity-termination-policy` - Indicates whether to terminate running instances if the target capacity is decreased below the current EC2 Fleet size (`true` \| `false`).

- `fleet-state` - The state of the EC2 Fleet (`submitted` \| `active` \| `deleted` \| `failed` \| `deleted-running` \| `deleted-terminating` \| `modifying`).

- `replace-unhealthy-instances` - Indicates whether EC2 Fleet should replace unhealthy instances (`true` \| `false`).

- `type` - The type of request (`instant` \| `request` \| `maintain`).

---

ec2_describe_fleet_history

Describe Fleet History

Description

Describe Fleet History

Usage

```
ec2_describe_fleet_history(
  FleetId,
  StartTime,
  DryRun = NULL,
  EventType = NULL,
  MaxResults = NULL,
  NextToken = NULL,
  simplify = TRUE,
  others = list(),
  print_on_error = aws_get_print_on_error(),
  retry_time = aws_get_retry_time(),
  network_timeout = aws_get_network_timeout(),
  region = aws_get_region()
)
```

Arguments

FleetId	Character. The ID of the EC2 Fleet.
StartTime	Character. The start date and time for the events, in UTC format (for example, *YYYY-MM-DD*T*HH*:*MM*:*SS*Z)....
DryRun	Logical. Checks whether you have the required permissions for the action, without actually making the request,...[optional]

EventType	Character. The type of events to describe. By default, all events are described.[optional]
MaxResults	Integer. The maximum number of results to return in a single call.[optional]
NextToken	Characters. The token for the next page of results[optional]
simplify	Logical. Whether to simplify the result and handle `nextToken` in the response[optional]
others	Named list. The parameters that are not included in the function parameters and need to be added into the request[optional]
print_on_error	Logical. Whether to show an error message when a network error occurs.
retry_time	Integer. Number of retries for a REST request when encounter the network issue. If the request has been sent `retry_time` times but still not be able to get the response, an error will be thrown.
network_timeout	
	Numeric. Number of seconds to wait for a REST response until giving up. Can not be less than 1 ms.
region	Character. The region of the AWS service.

Value

A list object or a character vector

FleetId

The ID of the EC2 Fleet.

StartTime

The start date and time for the events, in UTC format (for example, *YYYY-MM-DD*T*HH*:*MM*:*SS*Z).

DryRun

Checks whether you have the required permissions for the action, without actually making the request, and provides an error response. If you have the required permissions, the error response is `DryRunOperation`. Otherwise, it is `UnauthorizedOperation`.

EventType

The type of events to describe. By default, all events are described.

MaxResults

The maximum number of results to return in a single call. Specify a value between 1 and 1000. The default value is 1000. To retrieve the remaining results, make another call with the returned `NextToken` value.

---

ec2_describe_fleet_instances
                          Describe Fleet Instances

Description

Describe Fleet Instances

Usage

```
ec2_describe_fleet_instances(
  FleetId,
  DryRun = NULL,
  MaxResults = NULL,
  NextToken = NULL,
  Filter = NULL,
  simplify = TRUE,
  others = list(),
  print_on_error = aws_get_print_on_error(),
  retry_time = aws_get_retry_time(),
  network_timeout = aws_get_network_timeout(),
  region = aws_get_region()
)
```

Arguments

FleetId	Character. The ID of the EC2 Fleet.
DryRun	Logical. Checks whether you have the required permissions for the action, without actually making the request,...[optional]
MaxResults	Integer. The maximum number of results to return in a single call.[optional]
NextToken	Characters. The token for the next page of results[optional]
Filter	Named list where the name is the filter name and the value is the filter's value. The value can be a vector or a list object (see below)[optional]
simplify	Logical. Whether to simplify the result and handle nextToken in the response[optional]
others	Named list. The parameters that are not included in the function parameters and need to be added into the request[optional]
print_on_error	Logical. Whether to show an error message when a network error occurs.
retry_time	Integer. Number of retries for a REST request when encounter the network issue. If the request has been sent retry_time times but still not be able to get the response, an error will be thrown.
network_timeout	Numeric. Number of seconds to wait for a REST response until giving up. Can not be less than 1 ms.
region	Character. The region of the AWS service.

Value

A list object or a character vector

FleetId

The ID of the EC2 Fleet.

DryRun

Checks whether you have the required permissions for the action, without actually making the request, and provides an error response. If you have the required permissions, the error response is DryRunOperation. Otherwise, it is UnauthorizedOperation.

MaxResults

The maximum number of results to return in a single call. Specify a value between 1 and 1000. The default value is 1000. To retrieve the remaining results, make another call with the returned NextToken value.

Filter

The filters.

- instance-type - The instance type.

---

ec2_describe_flow_logs

Describe Flow Logs

Description

Describes one or more flow logs. To view the information in your flow logs (the log streams for the network interfaces), you must use the CloudWatch Logs console or the CloudWatch Logs API.

Usage

```
ec2_describe_flow_logs(
  DryRun = NULL,
  Filter = NULL,
  FlowLogId = NULL,
  MaxResults = NULL,
  NextToken = NULL,
  simplify = TRUE,
  others = list(),
  print_on_error = aws_get_print_on_error(),
  retry_time = aws_get_retry_time(),
  network_timeout = aws_get_network_timeout(),
  region = aws_get_region()
)
```

Arguments

DryRun	Logical. Checks whether you have the required permissions for the action, without actually making the request,...[optional]
Filter	Named list where the name is the filter name and the value is the filter's value. The value can be a vector or a list object (see below)[optional]
FlowLogId	List. One or more flow log IDs. Constraint: Maximum of 1000 flow log IDs. [optional]
MaxResults	Integer. The maximum number of results to return with a single call.[optional]
NextToken	Characters. The token for the next page of results[optional]
simplify	Logical. Whether to simplify the result and handle nextToken in the response[optional]
others	Named list. The parameters that are not included in the function parameters and need to be added into the request[optional]
print_on_error	Logical. Whether to show an error message when a network error occurs.
retry_time	Integer. Number of retries for a REST request when encounter the network issue. If the request has been sent retry_time times but still not be able to get the response, an error will be thrown.
network_timeout	
	Numeric. Number of seconds to wait for a REST response until giving up. Can not be less than 1 ms.
region	Character. The region of the AWS service.

Value

A list object or a character vector

DryRun

Checks whether you have the required permissions for the action, without actually making the request, and provides an error response. If you have the required permissions, the error response is DryRunOperation. Otherwise, it is UnauthorizedOperation.

Filter

One or more filters.

- deliver-log-status - The status of the logs delivery (SUCCESS \| FAILED).

- log-destination-type - The type of destination to which the flow log publishes data. Possible destination types include cloud-watch-logs and s3.

- flow-log-id - The ID of the flow log.

- log-group-name - The name of the log group.

- resource-id - The ID of the VPC, subnet, or network interface.

- traffic-type - The type of traffic (ACCEPT \| REJECT \| ALL).

- tag:\ - The key/value combination of a tag assigned to the resource. Use the tag key in the filter name and the tag value as the filter value. For example, to find all resources that have a tag with the key `Owner` and the value `TeamA`, specify `tag:Owner` for the filter name and `TeamA` for the filter value.

- `tag-key` - The key of a tag assigned to the resource. Use this filter to find all resources assigned a tag with a specific key, regardless of the tag value.

FlowLogId

One or more flow log IDs.

Constraint: Maximum of 1000 flow log IDs.

MaxResults

The maximum number of results to return with a single call. To retrieve the remaining results, make another call with the returned `nextToken` value.

---

ec2_describe_fpga_images

Describe Fpga Images

Description

Describes the Amazon FPGA Images (AFIs) available to you. These include public AFIs, private AFIs that you own, and AFIs owned by other AWS accounts for which you have load permissions.

Usage

```
ec2_describe_fpga_images(
  DryRun = NULL,
  FpgaImageId = NULL,
  Owner = NULL,
  Filter = NULL,
  NextToken = NULL,
  MaxResults = NULL,
  simplify = TRUE,
  others = list(),
  print_on_error = aws_get_print_on_error(),
  retry_time = aws_get_retry_time(),
  network_timeout = aws_get_network_timeout(),
  region = aws_get_region()
)
```

Arguments

DryRun	Logical. Checks whether you have the required permissions for the action, without actually making the request,...[optional]
FpgaImageId	List. The AFI IDs.[optional]
Owner	List. Filters the AFI by owner.[optional]
Filter	Named list where the name is the filter name and the value is the filter's value. The value can be a vector or a list object (see below)[optional]
NextToken	Characters. The token for the next page of results[optional]
MaxResults	Integer. The maximum number of results to return in a single call.[optional]
simplify	Logical. Whether to simplify the result and handle nextToken in the response[optional]
others	Named list. The parameters that are not included in the function parameters and need to be added into the request[optional]
print_on_error	Logical. Whether to show an error message when a network error occurs.
retry_time	Integer. Number of retries for a REST request when encounter the network issue. If the request has been sent retry_time times but still not be able to get the response, an error will be thrown.
network_timeout	
	Numeric. Number of seconds to wait for a REST response until giving up. Can not be less than 1 ms.
region	Character. The region of the AWS service.

Value

A list object or a character vector

DryRun

Checks whether you have the required permissions for the action, without actually making the request, and provides an error response. If you have the required permissions, the error response is DryRunOperation. Otherwise, it is UnauthorizedOperation.

FpgaImageId

The AFI IDs.

Owner

Filters the AFI by owner. Specify an AWS account ID, self (owner is the sender of the request), or an AWS owner alias (valid values are amazon \| aws-marketplace).

Filter

The filters.

- create-time - The creation time of the AFI.
- fpga-image-id - The FPGA image identifier (AFI ID).

- `fpga-image-global-id` - The global FPGA image identifier (AGFI ID).

- `name` - The name of the AFI.

- `owner-id` - The AWS account ID of the AFI owner.

- `product-code` - The product code.

- `shell-version` - The version of the AWS Shell that was used to create the bitstream.

- `state` - The state of the AFI (pending \| failed \| available \| unavailable).

- `tag:\` - The key/value combination of a tag assigned to the resource. Use the tag key in the filter name and the tag value as the filter value. For example, to find all resources that have a tag with the key Owner and the value TeamA, specify `tag:Owner` for the filter name and TeamA for the filter value.

- `tag-key` - The key of a tag assigned to the resource. Use this filter to find all resources assigned a tag with a specific key, regardless of the tag value.

- `update-time` - The time of the most recent update.

MaxResults

The maximum number of results to return in a single call.

---

ec2_describe_fpga_image_attribute

Describe Fpga Image Attribute

Description

Describes the specified attribute of the specified Amazon FPGA Image (AFI).

Usage

```
ec2_describe_fpga_image_attribute(
  FpgaImageId,
  Attribute,
  DryRun = NULL,
  simplify = TRUE,
  others = list(),
  print_on_error = aws_get_print_on_error(),
  retry_time = aws_get_retry_time(),
  network_timeout = aws_get_network_timeout(),
  region = aws_get_region()
)
```

Arguments

FpgaImageId	Character. The ID of the AFI.
Attribute	Character. The AFI attribute.
DryRun	Logical. Checks whether you have the required permissions for the action, without actually making the request,...[optional]
simplify	Logical. Whether to simplify the result and handle nextToken in the response[optional]
others	Named list. The parameters that are not included in the function parameters and need to be added into the request[optional]
print_on_error	Logical. Whether to show an error message when a network error occurs.
retry_time	Integer. Number of retries for a REST request when encounter the network issue. If the request has been sent retry_time times but still not be able to get the response, an error will be thrown.
network_timeout	Numeric. Number of seconds to wait for a REST response until giving up. Can not be less than 1 ms.
region	Character. The region of the AWS service.

Value

A list object or a character vector

FpgaImageId

The ID of the AFI.

Attribute

The AFI attribute.

DryRun

Checks whether you have the required permissions for the action, without actually making the request, and provides an error response. If you have the required permissions, the error response is DryRunOperation. Otherwise, it is UnauthorizedOperation.

---

ec2_describe_hosts *Describe Hosts*

Description

Describe Hosts

Usage

```
ec2_describe_hosts(
  Filter = NULL,
  HostId = NULL,
  MaxResults = NULL,
  NextToken = NULL,
  simplify = TRUE,
  others = list(),
  print_on_error = aws_get_print_on_error(),
  retry_time = aws_get_retry_time(),
  network_timeout = aws_get_network_timeout(),
  region = aws_get_region()
)
```

Arguments

Filter	Named list where the name is the filter name and the value is the filter's value. The value can be a vector or a list object (see below)[optional]
HostId	List. The IDs of the Dedicated Hosts. The IDs are used for targeted instance launches.[optional]
MaxResults	Integer. The maximum number of results to return for the request in a single page.[optional]
NextToken	Characters. The token for the next page of results[optional]
simplify	Logical. Whether to simplify the result and handle nextToken in the response[optional]
others	Named list. The parameters that are not included in the function parameters and need to be added into the request[optional]
print_on_error	Logical. Whether to show an error message when a network error occurs.
retry_time	Integer. Number of retries for a REST request when encounter the network issue. If the request has been sent retry_time times but still not be able to get the response, an error will be thrown.
network_timeout	
	Numeric. Number of seconds to wait for a REST response until giving up. Can not be less than 1 ms.
region	Character. The region of the AWS service.

Value

A list object or a character vector

Filter

The filters.

- auto-placement - Whether auto-placement is enabled or disabled (on \| off).
- availability-zone - The Availability Zone of the host.
- client-token - The idempotency token that you provided when you allocated the host.

- `host-reservation-id` - The ID of the reservation assigned to this host.

- `instance-type` - The instance type size that the Dedicated Host is configured to support.

- `state` - The allocation state of the Dedicated Host (`available` \| `under-assessment` \| `permanent-failure` \| `released` \| `released-permanent-failure`).

- `tag-key` - The key of a tag assigned to the resource. Use this filter to find all resources assigned a tag with a specific key, regardless of the tag value.

HostId

The IDs of the Dedicated Hosts. The IDs are used for targeted instance launches.

MaxResults

The maximum number of results to return for the request in a single page. The remaining results can be seen by sending another request with the returned `nextToken` value. This value can be between 5 and 500. If `maxResults` is given a larger value than 500, you receive an error.

You cannot specify this parameter and the host IDs parameter in the same request.

---

ec2_describe_host_reservations

Describe Host Reservations

Description

Describes reservations that are associated with Dedicated Hosts in your account.

Usage

```
ec2_describe_host_reservations(
  Filter = NULL,
  HostReservationIdSet = NULL,
  MaxResults = NULL,
  NextToken = NULL,
  simplify = TRUE,
  others = list(),
  print_on_error = aws_get_print_on_error(),
  retry_time = aws_get_retry_time(),
  network_timeout = aws_get_network_timeout(),
  region = aws_get_region()
)
```

Arguments

Filter	Named list where the name is the filter name and the value is the filter's value. The value can be a vector or a list object (see below)[optional]
HostReservationIdSet	
	List. The host reservation IDs.[optional]
MaxResults	Integer. The maximum number of results to return for the request in a single page.[optional]
NextToken	Characters. The token for the next page of results[optional]
simplify	Logical. Whether to simplify the result and handle nextToken in the response[optional]
others	Named list. The parameters that are not included in the function parameters and need to be added into the request[optional]
print_on_error	Logical. Whether to show an error message when a network error occurs.
retry_time	Integer. Number of retries for a REST request when encounter the network issue. If the request has been sent retry_time times but still not be able to get the response, an error will be thrown.
network_timeout	
	Numeric. Number of seconds to wait for a REST response until giving up. Can not be less than 1 ms.
region	Character. The region of the AWS service.

Value

A list object or a character vector

Filter

The filters.

- instance-family - The instance family (for example, m4).
- payment-option - The payment option (NoUpfront \| PartialUpfront \| AllUpfront).
- state - The state of the reservation (payment-pending \| payment-failed \| active \| retired).
- tag:\ - The key/value combination of a tag assigned to the resource. Use the tag key in the filter name and the tag value as the filter value. For example, to find all resources that have a tag with the key Owner and the value TeamA, specify tag:Owner for the filter name and TeamA for the filter value.
- tag-key - The key of a tag assigned to the resource. Use this filter to find all resources assigned a tag with a specific key, regardless of the tag value.

HostReservationIdSet

The host reservation IDs.

MaxResults

The maximum number of results to return for the request in a single page. The remaining results can be seen by sending another request with the returned nextToken value. This value can be between 5 and 500. If maxResults is given a larger value than 500, you receive an error.

ec2_describe_host_reservation_offerings
Describe Host Reservation Offerings

Description

Describe Host Reservation Offerings

Usage

```
ec2_describe_host_reservation_offerings(
  Filter = NULL,
  MaxDuration = NULL,
  MaxResults = NULL,
  MinDuration = NULL,
  NextToken = NULL,
  OfferingId = NULL,
  simplify = TRUE,
  others = list(),
  print_on_error = aws_get_print_on_error(),
  retry_time = aws_get_retry_time(),
  network_timeout = aws_get_network_timeout(),
  region = aws_get_region()
)
```

Arguments

Filter	Named list where the name is the filter name and the value is the filter's value. The value can be a vector or a list object (see below)[optional]
MaxDuration	Integer. This is the maximum duration of the reservation to purchase, specified in seconds.[optional]
MaxResults	Integer. The maximum number of results to return for the request in a single page.[optional]
MinDuration	Integer. This is the minimum duration of the reservation you\'d like to purchase, specified in seconds.[optional]
NextToken	Characters. The token for the next page of results[optional]
OfferingId	Character. The ID of the reservation offering.[optional]
simplify	Logical. Whether to simplify the result and handle nextToken in the response[optional]
others	Named list. The parameters that are not included in the function parameters and need to be added into the request[optional]
print_on_error	Logical. Whether to show an error message when a network error occurs.
retry_time	Integer. Number of retries for a REST request when encounter the network issue. If the request has been sent retry_time times but still not be able to get the response, an error will be thrown.

network_timeout

> Numeric. Number of seconds to wait for a REST response until giving up. Can not be less than 1 ms.

region   Character. The region of the AWS service.

Value

A list object or a character vector

Filter

The filters.

- `instance-family` - The instance family of the offering (for example, `m4`).

- `payment-option` - The payment option (`NoUpfront` \| `PartialUpfront` \| `AllUpfront`).

MaxDuration

This is the maximum duration of the reservation to purchase, specified in seconds. Reservations are available in one-year and three-year terms. The number of seconds specified must be the number of seconds in a year (365x24x60x60) times one of the supported durations (1 or 3). For example, specify 94608000 for three years.

MaxResults

The maximum number of results to return for the request in a single page. The remaining results can be seen by sending another request with the returned `nextToken` value. This value can be between 5 and 500. If `maxResults` is given a larger value than 500, you receive an error.

MinDuration

This is the minimum duration of the reservation you\'d like to purchase, specified in seconds. Reservations are available in one-year and three-year terms. The number of seconds specified must be the number of seconds in a year (365x24x60x60) times one of the supported durations (1 or 3). For example, specify 31536000 for one year.

OfferingId

The ID of the reservation offering.

---

ec2_describe_iam_instance_profile_associations
Describe Iam Instance Profile Associations

Description

Describes your IAM instance profile associations.

Usage

```
ec2_describe_iam_instance_profile_associations(
  AssociationId = NULL,
  Filter = NULL,
  MaxResults = NULL,
  NextToken = NULL,
  simplify = TRUE,
  others = list(),
  print_on_error = aws_get_print_on_error(),
  retry_time = aws_get_retry_time(),
  network_timeout = aws_get_network_timeout(),
  region = aws_get_region()
)
```

Arguments

AssociationId	List. The IAM instance profile associations.[optional]
Filter	Named list where the name is the filter name and the value is the filter's value. The value can be a vector or a list object (see below)[optional]
MaxResults	Integer. The maximum number of results to return in a single call.[optional]
NextToken	Characters. The token for the next page of results[optional]
simplify	Logical. Whether to simplify the result and handle nextToken in the response[optional]
others	Named list. The parameters that are not included in the function parameters and need to be added into the request[optional]
print_on_error	Logical. Whether to show an error message when a network error occurs.
retry_time	Integer. Number of retries for a REST request when encounter the network issue. If the request has been sent retry_time times but still not be able to get the response, an error will be thrown.
network_timeout	
	Numeric. Number of seconds to wait for a REST response until giving up. Can not be less than 1 ms.
region	Character. The region of the AWS service.

Value

A list object or a character vector

AssociationId

The IAM instance profile associations.

Filter

The filters.

- `instance-id` - The ID of the instance.
- `state` - The state of the association (`associating` \| `associated` \| `disassociating`).

MaxResults

The maximum number of results to return in a single call. To retrieve the remaining results, make another call with the returned `NextToken` value.

---

ec2_describe_identity_id_format
Describe Identity Id Format

Description

Describe Identity Id Format

Usage

```
ec2_describe_identity_id_format(
  PrincipalArn,
  Resource = NULL,
  simplify = TRUE,
  others = list(),
  print_on_error = aws_get_print_on_error(),
  retry_time = aws_get_retry_time(),
  network_timeout = aws_get_network_timeout(),
  region = aws_get_region()
)
```

Arguments

PrincipalArn	Character. The ARN of the principal, which can be an IAM role, IAM user, or the root user.
Resource	Character. The type of resource: bundle | conversion-task | customer-gateway | dhcp-options | elastic-ip-allocation...[optional]
simplify	Logical. Whether to simplify the result and handle nextToken in the response[optional]
others	Named list. The parameters that are not included in the function parameters and need to be added into the request[optional]
print_on_error	Logical. Whether to show an error message when a network error occurs.

retry_time	Integer. Number of retries for a REST request when encounter the network issue. If the request has been sent `retry_time` times but still not be able to get the response, an error will be thrown.
network_timeout	
	Numeric. Number of seconds to wait for a REST response until giving up. Can not be less than 1 ms.
region	Character. The region of the AWS service.

Value

A list object or a character vector

PrincipalArn

The ARN of the principal, which can be an IAM role, IAM user, or the root user.

Resource

The type of resource: bundle \| conversion-task \| customer-gateway \| dhcp-options \| elastic-ip-allocation \| elastic-ip-association \| export-task \| flow-log \| image \| import-task \| instance \| internet-gateway \| network-acl \| network-acl-association \| network-interface \| network-interface-attachme \| prefix-list \| reservation \| route-table \| route-table-association \| security-group \| snapshot \| subnet \| subnet-cidr-block-association \| volume \| vpc \| vpc-cidr-block-association \| vpc-endpoint \| vpc-peering-connection \| vpn-connection \| vpn-gateway

---

ec2_describe_id_format

Describe Id Format

Description

Describe Id Format

Usage

```
ec2_describe_id_format(
  Resource = NULL,
  simplify = TRUE,
  others = list(),
  print_on_error = aws_get_print_on_error(),
  retry_time = aws_get_retry_time(),
  network_timeout = aws_get_network_timeout(),
  region = aws_get_region()
)
```

Arguments

Resource	Character. The type of resource: bundle | conversion-task | customer-gateway | dhcp-options | elastic-ip-allocation...[optional]
simplify	Logical. Whether to simplify the result and handle nextToken in the response[optional]
others	Named list. The parameters that are not included in the function parameters and need to be added into the request[optional]
print_on_error	Logical. Whether to show an error message when a network error occurs.
retry_time	Integer. Number of retries for a REST request when encounter the network issue. If the request has been sent retry_time times but still not be able to get the response, an error will be thrown.
network_timeout	
	Numeric. Number of seconds to wait for a REST response until giving up. Can not be less than 1 ms.
region	Character. The region of the AWS service.

Value

A list object or a character vector

Resource

The type of resource: bundle \| conversion-task \| customer-gateway \| dhcp-options \| elastic-ip-allocation \| elastic-ip-association \| export-task \| flow-log \| image \| import-task \| instance \| internet-gateway \| network-acl \| network-acl-association \| network-interface \| network-interface-attachme \| prefix-list \| reservation \| route-table \| route-table-association \| security-group \| snapshot \| subnet \| subnet-cidr-block-association \| volume \| vpc \| vpc-cidr-block-association \| vpc-endpoint \| vpc-peering-connection \| vpn-connection \| vpn-gateway

---

ec2_describe_images *Describe Images*

Description

Describe Images

Usage

```
ec2_describe_images(
  ExecutableBy = NULL,
  Filter = NULL,
  ImageId = NULL,
  Owner = NULL,
  DryRun = NULL,
  simplify = TRUE,
  others = list(),
```

```
    print_on_error = aws_get_print_on_error(),
    retry_time = aws_get_retry_time(),
    network_timeout = aws_get_network_timeout(),
    region = aws_get_region()
)
```

Arguments

ExecutableBy	List. Scopes the images by users with explicit launch permissions.[optional]
Filter	Named list where the name is the filter name and the value is the filter's value. The value can be a vector or a list object (see below)[optional]
ImageId	List. The image IDs. Default: Describes all images available to you. [optional]
Owner	List. Scopes the results to images with the specified owners.[optional]
DryRun	Logical. Checks whether you have the required permissions for the action, without actually making the request,...[optional]
simplify	Logical. Whether to simplify the result and handle nextToken in the response[optional]
others	Named list. The parameters that are not included in the function parameters and need to be added into the request[optional]
print_on_error	Logical. Whether to show an error message when a network error occurs.
retry_time	Integer. Number of retries for a REST request when encounter the network issue. If the request has been sent retry_time times but still not be able to get the response, an error will be thrown.
network_timeout	
	Numeric. Number of seconds to wait for a REST response until giving up. Can not be less than 1 ms.
region	Character. The region of the AWS service.

Value

A list object or a character vector

ExecutableBy

Scopes the images by users with explicit launch permissions. Specify an AWS account ID, self (the sender of the request), or all (public AMIs).

Filter

The filters.

- architecture - The image architecture (i386 \| x86_64 \| arm64).

- block-device-mapping.delete-on-termination - A Boolean value that indicates whether the Amazon EBS volume is deleted on instance termination.

- block-device-mapping.device-name - The device name specified in the block device mapping (for example, /dev/sdh or xvdh).

- block-device-mapping.snapshot-id - The ID of the snapshot used for the EBS volume.

- `block-device-mapping.volume-size` - The volume size of the EBS volume, in GiB.
- `block-device-mapping.volume-type` - The volume type of the EBS volume (gp2 \| io1 \| io2 \| st1 \| sc1 \| standard).
- `block-device-mapping.encrypted` - A Boolean that indicates whether the EBS volume is encrypted.
- `description` - The description of the image (provided during image creation).
- `ena-support` - A Boolean that indicates whether enhanced networking with ENA is enabled.
- `hypervisor` - The hypervisor type (ovm \| xen).
- `image-id` - The ID of the image.
- `image-type` - The image type (`machine` \| `kernel` \| `ramdisk`).
- `is-public` - A Boolean that indicates whether the image is public.
- `kernel-id` - The kernel ID.
- `manifest-location` - The location of the image manifest.
- `name` - The name of the AMI (provided during image creation).
- `owner-alias` - The owner alias (`amazon` \| `aws-marketplace`). The valid aliases are defined in an Amazon-maintained list. This is not the AWS account alias that can be set using the IAM console. We recommend that you use the **Owner** request parameter instead of this filter.
- `owner-id` - The AWS account ID of the owner. We recommend that you use the **Owner** request parameter instead of this filter.
- `platform` - The platform. To only list Windows-based AMIs, use `windows`.
- `product-code` - The product code.
- `product-code.type` - The type of the product code (devpay \| marketplace).
- `ramdisk-id` - The RAM disk ID.
- `root-device-name` - The device name of the root device volume (for example, /dev/sda1).
- `root-device-type` - The type of the root device volume (ebs \| instance-store).
- `state` - The state of the image (`available` \| `pending` \| `failed`).
- `state-reason-code` - The reason code for the state change.
- `state-reason-message` - The message for the state change.
- `sriov-net-support` - A value of `simple` indicates that enhanced networking with the Intel 82599 VF interface is enabled.
- `tag:\` - The key/value combination of a tag assigned to the resource. Use the tag key in the filter name and the tag value as the filter value. For example, to find all resources that have a tag with the key `Owner` and the value `TeamA`, specify `tag:Owner` for the filter name and `TeamA` for the filter value.
- `tag-key` - The key of a tag assigned to the resource. Use this filter to find all resources assigned a tag with a specific key, regardless of the tag value.
- `virtualization-type` - The virtualization type (paravirtual \| hvm).

ImageId

The image IDs.

Default: Describes all images available to you.

Owner

Scopes the results to images with the specified owners. You can specify a combination of AWS account IDs, `self`, `amazon`, and `aws-marketplace`. If you omit this parameter, the results include all images for which you have launch permissions, regardless of ownership.

DryRun

Checks whether you have the required permissions for the action, without actually making the request, and provides an error response. If you have the required permissions, the error response is `DryRunOperation`. Otherwise, it is `UnauthorizedOperation`.

---

ec2_describe_image_attribute

Describe Image Attribute

Description

Describes the specified attribute of the specified AMI. You can specify only one attribute at a time.

Usage

```
ec2_describe_image_attribute(
  Attribute,
  ImageId,
  DryRun = NULL,
  simplify = TRUE,
  others = list(),
  print_on_error = aws_get_print_on_error(),
  retry_time = aws_get_retry_time(),
  network_timeout = aws_get_network_timeout(),
  region = aws_get_region()
)
```

Arguments

`Attribute`	Character. The AMI attribute.
`ImageId`	Character. The ID of the AMI.
`DryRun`	Logical. Checks whether you have the required permissions for the action, without actually making the request,...[optional]
`simplify`	Logical. Whether to simplify the result and handle `nextToken` in the response[optional]
`others`	Named list. The parameters that are not included in the function parameters and need to be added into the request[optional]
`print_on_error`	Logical. Whether to show an error message when a network error occurs.
`retry_time`	Integer. Number of retries for a REST request when encounter the network issue. If the request has been sent `retry_time` times but still not be able to get the response, an error will be thrown.

network_timeout
> Numeric. Number of seconds to wait for a REST response until giving up. Can not be less than 1 ms.

region   Character. The region of the AWS service.

Value

A list object or a character vector

Attribute

The AMI attribute.

Note: The blockDeviceMapping attribute is deprecated. Using this attribute returns the Client.AuthFailure error. To get information about the block device mappings for an AMI, use the DescribeImages action.

ImageId

The ID of the AMI.

DryRun

Checks whether you have the required permissions for the action, without actually making the request, and provides an error response. If you have the required permissions, the error response is DryRunOperation. Otherwise, it is UnauthorizedOperation.

---

ec2_describe_import_image_tasks
Describe Import Image Tasks

Description

Displays details about an import virtual machine or import snapshot tasks that are already created.

Usage

```
ec2_describe_import_image_tasks(
  DryRun = NULL,
  Filters = NULL,
  ImportTaskId = NULL,
  MaxResults = NULL,
  NextToken = NULL,
  simplify = TRUE,
  others = list(),
  print_on_error = aws_get_print_on_error(),
  retry_time = aws_get_retry_time(),
  network_timeout = aws_get_network_timeout(),
  region = aws_get_region()
)
```

Arguments

DryRun	Logical. Checks whether you have the required permissions for the action, without actually making the request,...[optional]
Filters	List. Filter tasks using the task-state filter and one of the following values: active, completed,...[optional]
ImportTaskId	List. The IDs of the import image tasks.[optional]
MaxResults	Integer. The maximum number of results to return in a single call.[optional]
NextToken	Characters. The token for the next page of results[optional]
simplify	Logical. Whether to simplify the result and handle nextToken in the response[optional]
others	Named list. The parameters that are not included in the function parameters and need to be added into the request[optional]
print_on_error	Logical. Whether to show an error message when a network error occurs.
retry_time	Integer. Number of retries for a REST request when encounter the network issue. If the request has been sent retry_time times but still not be able to get the response, an error will be thrown.
network_timeout	
	Numeric. Number of seconds to wait for a REST response until giving up. Can not be less than 1 ms.
region	Character. The region of the AWS service.

Value

A list object or a character vector

DryRun

Checks whether you have the required permissions for the action, without actually making the request, and provides an error response. If you have the required permissions, the error response is DryRunOperation. Otherwise, it is UnauthorizedOperation.

Filters

Filter tasks using the task-state filter and one of the following values: active, completed, deleting, or deleted.

ImportTaskId

The IDs of the import image tasks.

MaxResults

The maximum number of results to return in a single call.

ec2_describe_import_snapshot_tasks
Describe Import Snapshot Tasks

Description

Describes your import snapshot tasks.

Usage

```
ec2_describe_import_snapshot_tasks(
  DryRun = NULL,
  Filters = NULL,
  ImportTaskId = NULL,
  MaxResults = NULL,
  NextToken = NULL,
  simplify = TRUE,
  others = list(),
  print_on_error = aws_get_print_on_error(),
  retry_time = aws_get_retry_time(),
  network_timeout = aws_get_network_timeout(),
  region = aws_get_region()
)
```

Arguments

DryRun	Logical. Checks whether you have the required permissions for the action, without actually making the request,...[optional]
Filters	List. The filters.[optional]
ImportTaskId	List. A list of import snapshot task IDs.[optional]
MaxResults	Integer. The maximum number of results to return in a single call.[optional]
NextToken	Characters. The token for the next page of results[optional]
simplify	Logical. Whether to simplify the result and handle nextToken in the response[optional]
others	Named list. The parameters that are not included in the function parameters and need to be added into the request[optional]
print_on_error	Logical. Whether to show an error message when a network error occurs.
retry_time	Integer. Number of retries for a REST request when encounter the network issue. If the request has been sent retry_time times but still not be able to get the response, an error will be thrown.
network_timeout	
	Numeric. Number of seconds to wait for a REST response until giving up. Can not be less than 1 ms.
region	Character. The region of the AWS service.

Value

A list object or a character vector

DryRun

Checks whether you have the required permissions for the action, without actually making the request, and provides an error response. If you have the required permissions, the error response is DryRunOperation. Otherwise, it is UnauthorizedOperation.

Filters

The filters.

ImportTaskId

A list of import snapshot task IDs.

MaxResults

The maximum number of results to return in a single call. To retrieve the remaining results, make another call with the returned NextToken value.

---

ec2_describe_instances

Describe Instances

Description

Describe Instances

Usage

```
ec2_describe_instances(
  Filter = NULL,
  InstanceId = NULL,
  DryRun = NULL,
  MaxResults = NULL,
  NextToken = NULL,
  simplify = TRUE,
  others = list(),
  print_on_error = aws_get_print_on_error(),
  retry_time = aws_get_retry_time(),
  network_timeout = aws_get_network_timeout(),
  region = aws_get_region()
)
```

Arguments

`Filter`	Named list where the name is the filter name and the value is the filter's value. The value can be a vector or a list object (see below)[optional]
`InstanceId`	List. The instance IDs. Default: Describes all your instances. [optional]
`DryRun`	Logical. Checks whether you have the required permissions for the action, without actually making the request,...[optional]
`MaxResults`	Integer. The maximum number of results to return in a single call.[optional]
`NextToken`	Characters. The token for the next page of results[optional]
`simplify`	Logical. Whether to simplify the result and handle nextToken in the response[optional]
`others`	Named list. The parameters that are not included in the function parameters and need to be added into the request[optional]
`print_on_error`	Logical. Whether to show an error message when a network error occurs.
`retry_time`	Integer. Number of retries for a REST request when encounter the network issue. If the request has been sent `retry_time` times but still not be able to get the response, an error will be thrown.
`network_timeout`	
	Numeric. Number of seconds to wait for a REST response until giving up. Can not be less than 1 ms.
`region`	Character. The region of the AWS service.

Value

A list object or a character vector

Filter

The filters.

- `affinity` - The affinity setting for an instance running on a Dedicated Host (default \| host).
- `architecture` - The instance architecture (i386 \| x86_64 \| arm64).
- `availability-zone` - The Availability Zone of the instance.
- `block-device-mapping.attach-time` - The attach time for an EBS volume mapped to the instance, for example, 2010-09-15T17:15:20.000Z.
- `block-device-mapping.delete-on-termination` - A Boolean that indicates whether the EBS volume is deleted on instance termination.
- `block-device-mapping.device-name` - The device name specified in the block device mapping (for example, /dev/sdh or xvdh).
- `block-device-mapping.status` - The status for the EBS volume (attaching \| attached \| detaching \| detached).
- `block-device-mapping.volume-id` - The volume ID of the EBS volume.
- `client-token` - The idempotency token you provided when you launched the instance.
- `dns-name` - The public DNS name of the instance.
- `group-id` - The ID of the security group for the instance. EC2-Classic only.

- `group-name` - The name of the security group for the instance. EC2-Classic only.

- `hibernation-options.configured` - A Boolean that indicates whether the instance is enabled for hibernation. A value of `true` means that the instance is enabled for hibernation.

- `host-id` - The ID of the Dedicated Host on which the instance is running, if applicable.

- `hypervisor` - The hypervisor type of the instance (ovm \| xen). The value xen is used for both Xen and Nitro hypervisors.

- `iam-instance-profile.arn` - The instance profile associated with the instance. Specified as an ARN.

- `image-id` - The ID of the image used to launch the instance.

- `instance-id` - The ID of the instance.

- `instance-lifecycle` - Indicates whether this is a Spot Instance or a Scheduled Instance (spot \| scheduled).

- `instance-state-code` - The state of the instance, as a 16-bit unsigned integer. The high byte is used for internal purposes and should be ignored. The low byte is set based on the state represented. The valid values are: 0 (pending), 16 (running), 32 (shutting-down), 48 (terminated), 64 (stopping), and 80 (stopped).

- `instance-state-name` - The state of the instance (pending \| running \| shutting-down \| terminated \| stopping \| stopped).

- `instance-type` - The type of instance (for example, t2.micro).

- `instance.group-id` - The ID of the security group for the instance.

- `instance.group-name` - The name of the security group for the instance.

- `ip-address` - The public IPv4 address of the instance.

- `kernel-id` - The kernel ID.

- `key-name` - The name of the key pair used when the instance was launched.

- `launch-index` - When launching multiple instances, this is the index for the instance in the launch group (for example, 0, 1, 2, and so on).

- `launch-time` - The time when the instance was launched.

- `metadata-options.http-tokens` - The metadata request authorization state (optional \| required)

- `metadata-options.http-put-response-hop-limit` - The http metadata request put response hop limit (integer, possible values 1 to 64)

- `metadata-options.http-endpoint` - Enable or disable metadata access on http endpoint (enabled \| disabled)

- `monitoring-state` - Indicates whether detailed monitoring is enabled (disabled \| enabled).

- `network-interface.addresses.private-ip-address` - The private IPv4 address associated with the network interface.

- `network-interface.addresses.primary` - Specifies whether the IPv4 address of the network interface is the primary private IPv4 address.

- `network-interface.addresses.association.public-ip` - The ID of the association of an Elastic IP address (IPv4) with a network interface.

- `network-interface.addresses.association.ip-owner-id` - The owner ID of the private IPv4 address associated with the network interface.
- `network-interface.association.public-ip` - The address of the Elastic IP address (IPv4) bound to the network interface.
- `network-interface.association.ip-owner-id` - The owner of the Elastic IP address (IPv4) associated with the network interface.
- `network-interface.association.allocation-id` - The allocation ID returned when you allocated the Elastic IP address (IPv4) for your network interface.
- `network-interface.association.association-id` - The association ID returned when the network interface was associated with an IPv4 address.
- `network-interface.attachment.attachment-id` - The ID of the interface attachment.
- `network-interface.attachment.instance-id` - The ID of the instance to which the network interface is attached.
- `network-interface.attachment.instance-owner-id` - The owner ID of the instance to which the network interface is attached.
- `network-interface.attachment.device-index` - The device index to which the network interface is attached.
- `network-interface.attachment.status` - The status of the attachment (`attaching` \| `attached` \| `detaching` \| `detached`).
- `network-interface.attachment.attach-time` - The time that the network interface was attached to an instance.
- `network-interface.attachment.delete-on-termination` - Specifies whether the attachment is deleted when an instance is terminated.
- `network-interface.availability-zone` - The Availability Zone for the network interface.
- `network-interface.description` - The description of the network interface.
- `network-interface.group-id` - The ID of a security group associated with the network interface.
- `network-interface.group-name` - The name of a security group associated with the network interface.
- `network-interface.ipv6-addresses.ipv6-address` - The IPv6 address associated with the network interface.
- `network-interface.mac-address` - The MAC address of the network interface.
- `network-interface.network-interface-id` - The ID of the network interface.
- `network-interface.owner-id` - The ID of the owner of the network interface.
- `network-interface.private-dns-name` - The private DNS name of the network interface.
- `network-interface.requester-id` - The requester ID for the network interface.
- `network-interface.requester-managed` - Indicates whether the network interface is being managed by AWS.
- `network-interface.status` - The status of the network interface (`available`) \| in-use).
- `network-interface.source-dest-check` - Whether the network interface performs source/destination checking. A value of `true` means that checking is enabled, and `false` means that checking is disabled. The value must be `false` for the network interface to perform network address translation (NAT) in your VPC.

- `network-interface.subnet-id` - The ID of the subnet for the network interface.
- `network-interface.vpc-id` - The ID of the VPC for the network interface.
- `owner-id` - The AWS account ID of the instance owner.
- `placement-group-name` - The name of the placement group for the instance.
- `placement-partition-number` - The partition in which the instance is located.
- `platform` - The platform. To list only Windows instances, use `windows`.
- `private-dns-name` - The private IPv4 DNS name of the instance.
- `private-ip-address` - The private IPv4 address of the instance.
- `product-code` - The product code associated with the AMI used to launch the instance.
- `product-code.type` - The type of product code (devpay \| `marketplace`).
- `ramdisk-id` - The RAM disk ID.
- `reason` - The reason for the current state of the instance (for example, shows \'User Initiated [date]\' when you stop or terminate the instance). Similar to the state-reason-code filter.
- `requester-id` - The ID of the entity that launched the instance on your behalf (for example, AWS Management Console, Auto Scaling, and so on).
- `reservation-id` - The ID of the instance\'s reservation. A reservation ID is created any time you launch an instance. A reservation ID has a one-to-one relationship with an instance launch request, but can be associated with more than one instance if you launch multiple instances using the same launch request. For example, if you launch one instance, you get one reservation ID. If you launch ten instances using the same launch request, you also get one reservation ID.
- `root-device-name` - The device name of the root device volume (for example, /dev/sda1).
- `root-device-type` - The type of the root device volume (ebs \| `instance-store`).
- `source-dest-check` - Indicates whether the instance performs source/destination checking. A value of `true` means that checking is enabled, and `false` means that checking is disabled. The value must be `false` for the instance to perform network address translation (NAT) in your VPC.
- `spot-instance-request-id` - The ID of the Spot Instance request.
- `state-reason-code` - The reason code for the state change.
- `state-reason-message` - A message that describes the state change.
- `subnet-id` - The ID of the subnet for the instance.
- `tag:\` - The key/value combination of a tag assigned to the resource. Use the tag key in the filter name and the tag value as the filter value. For example, to find all resources that have a tag with the key `Owner` and the value `TeamA`, specify `tag:Owner` for the filter name and `TeamA` for the filter value.
- `tag-key` - The key of a tag assigned to the resource. Use this filter to find all resources that have a tag with a specific key, regardless of the tag value.
- `tenancy` - The tenancy of an instance (dedicated \| default \| host).
- `virtualization-type` - The virtualization type of the instance (paravirtual \| hvm).
- `vpc-id` - The ID of the VPC that the instance is running in.

InstanceId

The instance IDs.

Default: Describes all your instances.

DryRun

Checks whether you have the required permissions for the action, without actually making the request, and provides an error response. If you have the required permissions, the error response is `DryRunOperation`. Otherwise, it is `UnauthorizedOperation`.

MaxResults

The maximum number of results to return in a single call. To retrieve the remaining results, make another call with the returned `NextToken` value. This value can be between 5 and 1000. You cannot specify this parameter and the instance IDs parameter in the same call.

---

ec2_describe_instance_attribute

Describe Instance Attribute

Description

Describes the specified attribute of the specified instance. You can specify only one attribute at a time. Valid attribute values are: `instanceType` \| `kernel` \| `ramdisk` \| `userData` \| `disableApiTermination` \| `instanceInitiatedShutdownBehavior` \| `rootDeviceName` \| `blockDeviceMapping` \| `productCodes` \| `sourceDestCheck` \| `groupSet` \| `ebsOptimized` \| `sriovNetSupport`

Usage

```
ec2_describe_instance_attribute(
  Attribute,
  InstanceId,
  DryRun = NULL,
  simplify = TRUE,
  others = list(),
  print_on_error = aws_get_print_on_error(),
  retry_time = aws_get_retry_time(),
  network_timeout = aws_get_network_timeout(),
  region = aws_get_region()
)
```

Arguments

Attribute	Character. The instance attribute. Note: The enaSupport attribute is not supported at this time.
InstanceId	Character. The ID of the instance.

DryRun	Logical. Checks whether you have the required permissions for the action, without actually making the request,...[optional]
simplify	Logical. Whether to simplify the result and handle nextToken in the response[optional]
others	Named list. The parameters that are not included in the function parameters and need to be added into the request[optional]
print_on_error	Logical. Whether to show an error message when a network error occurs.
retry_time	Integer. Number of retries for a REST request when encounter the network issue. If the request has been sent retry_time times but still not be able to get the response, an error will be thrown.
network_timeout	
	Numeric. Number of seconds to wait for a REST response until giving up. Can not be less than 1 ms.
region	Character. The region of the AWS service.

Value

A list object or a character vector

Attribute

The instance attribute.

Note: The enaSupport attribute is not supported at this time.

InstanceId

The ID of the instance.

DryRun

Checks whether you have the required permissions for the action, without actually making the request, and provides an error response. If you have the required permissions, the error response is DryRunOperation. Otherwise, it is UnauthorizedOperation.

---

ec2_describe_instance_credit_specifications
Describe Instance Credit Specifications

Description

Describe Instance Credit Specifications

Usage

```
ec2_describe_instance_credit_specifications(
  DryRun = NULL,
  Filter = NULL,
  InstanceId = NULL,
  MaxResults = NULL,
  NextToken = NULL,
  simplify = TRUE,
  others = list(),
  print_on_error = aws_get_print_on_error(),
  retry_time = aws_get_retry_time(),
  network_timeout = aws_get_network_timeout(),
  region = aws_get_region()
)
```

Arguments

DryRun	Logical. Checks whether you have the required permissions for the action, without actually making the request,...[optional]
Filter	Named list where the name is the filter name and the value is the filter's value. The value can be a vector or a list object (see below)[optional]
InstanceId	List. The instance IDs.[optional]
MaxResults	Integer. The maximum number of results to return in a single call.[optional]
NextToken	Characters. The token for the next page of results[optional]
simplify	Logical. Whether to simplify the result and handle nextToken in the response[optional]
others	Named list. The parameters that are not included in the function parameters and need to be added into the request[optional]
print_on_error	Logical. Whether to show an error message when a network error occurs.
retry_time	Integer. Number of retries for a REST request when encounter the network issue. If the request has been sent retry_time times but still not be able to get the response, an error will be thrown.
network_timeout	Numeric. Number of seconds to wait for a REST response until giving up. Can not be less than 1 ms.
region	Character. The region of the AWS service.

Value

A list object or a character vector

DryRun

Checks whether you have the required permissions for the action, without actually making the request, and provides an error response. If you have the required permissions, the error response is DryRunOperation. Otherwise, it is UnauthorizedOperation.

Filter

The filters.

- `instance-id` - The ID of the instance.

InstanceId

The instance IDs.

Default: Describes all your instances.

Constraints: Maximum 1000 explicitly specified instance IDs.

MaxResults

The maximum number of results to return in a single call. To retrieve the remaining results, make another call with the returned `NextToken` value. This value can be between 5 and 1000. You cannot specify this parameter and the instance IDs parameter in the same call.

---

ec2_describe_instance_event_notification_attributes
Describe Instance Event Notification Attributes

Description

Describes the tag keys that are registered to appear in scheduled event notifications for resources in the current Region.

Usage

```
ec2_describe_instance_event_notification_attributes(
  DryRun = NULL,
  simplify = TRUE,
  others = list(),
  print_on_error = aws_get_print_on_error(),
  retry_time = aws_get_retry_time(),
  network_timeout = aws_get_network_timeout(),
  region = aws_get_region()
)
```

Arguments

`DryRun`	Logical. Checks whether you have the required permissions for the action, without actually making the request,...[optional]
`simplify`	Logical. Whether to simplify the result and handle `nextToken` in the response[optional]
`others`	Named list. The parameters that are not included in the function parameters and need to be added into the request[optional]
`print_on_error`	Logical. Whether to show an error message when a network error occurs.

retry_time	Integer. Number of retries for a REST request when encounter the network issue. If the request has been sent retry_time times but still not be able to get the response, an error will be thrown.
network_timeout	
	Numeric. Number of seconds to wait for a REST response until giving up. Can not be less than 1 ms.
region	Character. The region of the AWS service.

Value

A list object or a character vector

DryRun

Checks whether you have the required permissions for the action, without actually making the request, and provides an error response. If you have the required permissions, the error response is DryRunOperation. Otherwise, it is UnauthorizedOperation.

---

ec2_describe_instance_status

Describe Instance Status

Description

Describe Instance Status

Usage

```
ec2_describe_instance_status(
  Filter = NULL,
  InstanceId = NULL,
  MaxResults = NULL,
  NextToken = NULL,
  DryRun = NULL,
  IncludeAllInstances = NULL,
  simplify = TRUE,
  others = list(),
  print_on_error = aws_get_print_on_error(),
  retry_time = aws_get_retry_time(),
  network_timeout = aws_get_network_timeout(),
  region = aws_get_region()
)
```

Arguments

`Filter`	Named list where the name is the filter name and the value is the filter's value. The value can be a vector or a list object (see below)[optional]
`InstanceId`	List. The instance IDs.[optional]
`MaxResults`	Integer. The maximum number of results to return in a single call.[optional]
`NextToken`	Characters. The token for the next page of results[optional]
`DryRun`	Logical. Checks whether you have the required permissions for the action, without actually making the request,...[optional]
`IncludeAllInstances`	
	Logical. When `true`, includes the health status for all instances.[optional]
`simplify`	Logical. Whether to simplify the result and handle `nextToken` in the response[optional]
`others`	Named list. The parameters that are not included in the function parameters and need to be added into the request[optional]
`print_on_error`	Logical. Whether to show an error message when a network error occurs.
`retry_time`	Integer. Number of retries for a REST request when encounter the network issue. If the request has been sent `retry_time` times but still not be able to get the response, an error will be thrown.
`network_timeout`	
	Numeric. Number of seconds to wait for a REST response until giving up. Can not be less than 1 ms.
`region`	Character. The region of the AWS service.

Value

A list object or a character vector

Filter

The filters.

- `availability-zone` - The Availability Zone of the instance.
- `event.code` - The code for the scheduled event (instance-reboot \| system-reboot \| system-maintenance \| instance-retirement \| instance-stop).
- `event.description` - A description of the event.
- `event.instance-event-id` - The ID of the event whose date and time you are modifying.
- `event.not-after` - The latest end time for the scheduled event (for example, 2014-09-15T17:15:20.000Z).
- `event.not-before` - The earliest start time for the scheduled event (for example, 2014-09-15T17:15:20.000Z).
- `event.not-before-deadline` - The deadline for starting the event (for example, 2014-09-15T17:15:20.000Z).
- `instance-state-code` - The code for the instance state, as a 16-bit unsigned integer. The high byte is used for internal purposes and should be ignored. The low byte is set based on the state represented. The valid values are 0 (pending), 16 (running), 32 (shutting-down), 48 (terminated), 64 (stopping), and 80 (stopped).

- instance-state-name - The state of the instance (pending \| running \| shutting-down \| terminated \| stopping \| stopped).
- instance-status.reachability - Filters on instance status where the name is reachability (passed \| failed \| initializing \| insufficient-data).
- instance-status.status - The status of the instance (ok \| impaired \| initializing \| insufficient-data \| not-applicable).
- system-status.reachability - Filters on system status where the name is reachability (passed \| failed \| initializing \| insufficient-data).
- system-status.status - The system status of the instance (ok \| impaired \| initializing \| insufficient-data \| not-applicable).

InstanceId

The instance IDs.

Default: Describes all your instances.

Constraints: Maximum 100 explicitly specified instance IDs.

MaxResults

The maximum number of results to return in a single call. To retrieve the remaining results, make another call with the returned NextToken value. This value can be between 5 and 1000. You cannot specify this parameter and the instance IDs parameter in the same call.

DryRun

Checks whether you have the required permissions for the action, without actually making the request, and provides an error response. If you have the required permissions, the error response is DryRunOperation. Otherwise, it is UnauthorizedOperation.

IncludeAllInstances

When true, includes the health status for all instances. When false, includes the health status for running instances only.

Default: false

---

ec2_describe_instance_types
Describe Instance Types

Description

Describes the details of the instance types that are offered in a location. The results can be filtered by the attributes of the instance types.

Usage

```
ec2_describe_instance_types(
  DryRun = NULL,
  InstanceType = NULL,
  Filter = NULL,
  MaxResults = NULL,
  NextToken = NULL,
  simplify = TRUE,
  others = list(),
  print_on_error = aws_get_print_on_error(),
  retry_time = aws_get_retry_time(),
  network_timeout = aws_get_network_timeout(),
  region = aws_get_region()
)
```

Arguments

DryRun	Logical. Checks whether you have the required permissions for the action, without actually making the request,...[optional]
InstanceType	List. The instance types.[optional]
Filter	Named list where the name is the filter name and the value is the filter's value. The value can be a vector or a list object (see below)[optional]
MaxResults	Integer. The maximum number of results to return for the request in a single page.[optional]
NextToken	Characters. The token for the next page of results[optional]
simplify	Logical. Whether to simplify the result and handle nextToken in the response[optional]
others	Named list. The parameters that are not included in the function parameters and need to be added into the request[optional]
print_on_error	Logical. Whether to show an error message when a network error occurs.
retry_time	Integer. Number of retries for a REST request when encounter the network issue. If the request has been sent retry_time times but still not be able to get the response, an error will be thrown.
network_timeout	
	Numeric. Number of seconds to wait for a REST response until giving up. Can not be less than 1 ms.
region	Character. The region of the AWS service.

Value

A list object or a character vector

DryRun

Checks whether you have the required permissions for the action, without actually making the request, and provides an error response. If you have the required permissions, the error response is DryRunOperation. Otherwise, it is UnauthorizedOperation.

InstanceType

The instance types. For more information, see Instance types in the *Amazon EC2 User Guide*.

Filter

One or more filters. Filter names and values are case-sensitive.

- `auto-recovery-supported` - Indicates whether auto recovery is supported (`true` \| `false`).
- `bare-metal` - Indicates whether it is a bare metal instance type (`true` \| `false`).
- `burstable-performance-supported` - Indicates whether it is a burstable performance instance type (`true` \| `false`).
- `current-generation` - Indicates whether this instance type is the latest generation instance type of an instance family (`true` \| `false`).
- ebs-info.ebs-optimized-info.baseline-bandwidth-in-mbps - The baseline bandwidth performance for an EBS-optimized instance type, in Mbps.
- `ebs-info.ebs-optimized-info.baseline-iops` - The baseline input/output storage operations per second for an EBS-optimized instance type.
- ebs-info.ebs-optimized-info.baseline-throughput-in-mbps - The baseline throughput performance for an EBS-optimized instance type, in MB/s.
- ebs-info.ebs-optimized-info.maximum-bandwidth-in-mbps - The maximum bandwidth performance for an EBS-optimized instance type, in Mbps.
- `ebs-info.ebs-optimized-info.maximum-iops` - The maximum input/output storage operations per second for an EBS-optimized instance type.
- ebs-info.ebs-optimized-info.maximum-throughput-in-mbps - The maximum throughput performance for an EBS-optimized instance type, in MB/s.
- `ebs-info.ebs-optimized-support` - Indicates whether the instance type is EBS-optimized (`supported` \| `unsupported` \| `default`).
- `ebs-info.encryption-support` - Indicates whether EBS encryption is supported (`supported` \| `unsupported`).
- `ebs-info.nvme-support` - Indicates whether non-volatile memory express (NVMe) is supported for EBS volumes (`required` \| `supported` \| `unsupported`).
- `free-tier-eligible` - Indicates whether the instance type is eligible to use in the free tier (`true` \| `false`).
- `hibernation-supported` - Indicates whether On-Demand hibernation is supported (`true` \| `false`).
- `hypervisor` - The hypervisor (`nitro` \| `xen`).
- `instance-storage-info.disk.count` - The number of local disks.
- instance-storage-info.disk.size-in-gb - The storage size of each instance storage disk, in GB.
- `instance-storage-info.disk.type` - The storage technology for the local instance storage disks (`hdd` \| `ssd`).
- `instance-storage-info.nvme-support` - Indicates whether non-volatile memory express (NVMe) is supported for instance store (`required` \| `supported`) \| `unsupported`).
- instance-storage-info.total-size-in-gb - The total amount of storage available from all local instance storage, in GB.

- `instance-storage-supported` - Indicates whether the instance type has local instance storage (`true` \| `false`).

- `instance-type` - The instance type (for example c5.2xlarge or c5*).

- memory-info.size-in-mib - The memory size.

- `network-info.efa-supported` - Indicates whether the instance type supports Elastic Fabric Adapter (EFA) (`true` \| `false`).

- `network-info.ena-support` - Indicates whether Elastic Network Adapter (ENA) is supported or required (`required` \| `supported` \| `unsupported`).

- `network-info.ipv4-addresses-per-interface` - The maximum number of private IPv4 addresses per network interface.

- `network-info.ipv6-addresses-per-interface` - The maximum number of private IPv6 addresses per network interface.

- `network-info.ipv6-supported` - Indicates whether the instance type supports IPv6 (`true` \| `false`).

- `network-info.maximum-network-interfaces` - The maximum number of network interfaces per instance.

- `network-info.network-performance` - The network performance (for example, \'25 Gigabit\').

- `processor-info.supported-architecture` - The CPU architecture (`arm64` \| `i386` \| `x86_64`).

- processor-info.sustained-clock-speed-in-ghz - The CPU clock speed, in GHz.

- `supported-root-device-type` - The root device type (ebs \| `instance-store`).

- `supported-usage-class` - The usage class (`on-demand` \| `spot`).

- `supported-virtualization-type` - The virtualization type (`hvm` \| `paravirtual`).

- `vcpu-info.default-cores` - The default number of cores for the instance type.

- `vcpu-info.default-threads-per-core` - The default number of threads per core for the instance type.

- `vcpu-info.default-vcpus` - The default number of vCPUs for the instance type.

- `vcpu-info.valid-cores` - The number of cores that can be configured for the instance type.

- `vcpu-info.valid-threads-per-core` - The number of threads per core that can be configured for the instance type. For example, \'1\' or \'1,2\'.

MaxResults

The maximum number of results to return for the request in a single page. The remaining results can be seen by sending another request with the next token value.

ec2_describe_instance_type_offerings

Describe Instance Type Offerings

Description

Returns a list of all instance types offered. The results can be filtered by location (Region or Availability Zone). If no location is specified, the instance types offered in the current Region are returned.

Usage

```
ec2_describe_instance_type_offerings(
  DryRun = NULL,
  LocationType = NULL,
  Filter = NULL,
  MaxResults = NULL,
  NextToken = NULL,
  simplify = TRUE,
  others = list(),
  print_on_error = aws_get_print_on_error(),
  retry_time = aws_get_retry_time(),
  network_timeout = aws_get_network_timeout(),
  region = aws_get_region()
)
```

Arguments

DryRun	Logical. Checks whether you have the required permissions for the action, without actually making the request,...[optional]
LocationType	Character. The location type.[optional]
Filter	Named list where the name is the filter name and the value is the filter's value. The value can be a vector or a list object (see below)[optional]
MaxResults	Integer. The maximum number of results to return for the request in a single page.[optional]
NextToken	Characters. The token for the next page of results[optional]
simplify	Logical. Whether to simplify the result and handle nextToken in the response[optional]
others	Named list. The parameters that are not included in the function parameters and need to be added into the request[optional]
print_on_error	Logical. Whether to show an error message when a network error occurs.
retry_time	Integer. Number of retries for a REST request when encounter the network issue. If the request has been sent retry_time times but still not be able to get the response, an error will be thrown.

network_timeout

> Numeric. Number of seconds to wait for a REST response until giving up. Can not be less than 1 ms.

region   Character. The region of the AWS service.

Value

A list object or a character vector

DryRun

Checks whether you have the required permissions for the action, without actually making the request, and provides an error response. If you have the required permissions, the error response is DryRunOperation. Otherwise, it is UnauthorizedOperation.

LocationType

The location type.

Filter

One or more filters. Filter names and values are case-sensitive.

- location - This depends on the location type. For example, if the location type is region (default), the location is the Region code (for example, us-east-2.)

- instance-type - The instance type. For example, c5.2xlarge.

MaxResults

The maximum number of results to return for the request in a single page. The remaining results can be seen by sending another request with the next token value.

---

ec2_describe_internet_gateways
Describe Internet Gateways

Description

Describes one or more of your internet gateways.

Usage

```
ec2_describe_internet_gateways(
  Filter = NULL,
  DryRun = NULL,
  InternetGatewayId = NULL,
  NextToken = NULL,
  MaxResults = NULL,
```

```
    simplify = TRUE,
    others = list(),
    print_on_error = aws_get_print_on_error(),
    retry_time = aws_get_retry_time(),
    network_timeout = aws_get_network_timeout(),
    region = aws_get_region()
)
```

Arguments

Filter	Named list where the name is the filter name and the value is the filter's value. The value can be a vector or a list object (see below)[optional]
DryRun	Logical. Checks whether you have the required permissions for the action, without actually making the request,...[optional]
InternetGatewayId	List. One or more internet gateway IDs. Default: Describes all your internet gateways. [optional]
NextToken	Characters. The token for the next page of results[optional]
MaxResults	Integer. The maximum number of results to return with a single call.[optional]
simplify	Logical. Whether to simplify the result and handle nextToken in the response[optional]
others	Named list. The parameters that are not included in the function parameters and need to be added into the request[optional]
print_on_error	Logical. Whether to show an error message when a network error occurs.
retry_time	Integer. Number of retries for a REST request when encounter the network issue. If the request has been sent retry_time times but still not be able to get the response, an error will be thrown.
network_timeout	Numeric. Number of seconds to wait for a REST response until giving up. Can not be less than 1 ms.
region	Character. The region of the AWS service.

Value

A list object or a character vector

Filter

One or more filters.

- attachment.state - The current state of the attachment between the gateway and the VPC (available). Present only if a VPC is attached.

- attachment.vpc-id - The ID of an attached VPC.

- internet-gateway-id - The ID of the Internet gateway.

- owner-id - The ID of the AWS account that owns the internet gateway.

- `tag:\` - The key/value combination of a tag assigned to the resource. Use the tag key in the filter name and the tag value as the filter value. For example, to find all resources that have a tag with the key `Owner` and the value `TeamA`, specify `tag:Owner` for the filter name and `TeamA` for the filter value.
- `tag-key` - The key of a tag assigned to the resource. Use this filter to find all resources assigned a tag with a specific key, regardless of the tag value.

DryRun

Checks whether you have the required permissions for the action, without actually making the request, and provides an error response. If you have the required permissions, the error response is `DryRunOperation`. Otherwise, it is `UnauthorizedOperation`.

InternetGatewayId

One or more internet gateway IDs.

Default: Describes all your internet gateways.

MaxResults

The maximum number of results to return with a single call. To retrieve the remaining results, make another call with the returned `nextToken` value.

---

ec2_describe_ipv6_pools

Describe Ipv6 Pools

Description

Describes your IPv6 address pools.

Usage

```
ec2_describe_ipv6_pools(
  PoolId = NULL,
  NextToken = NULL,
  MaxResults = NULL,
  DryRun = NULL,
  Filter = NULL,
  simplify = TRUE,
  others = list(),
  print_on_error = aws_get_print_on_error(),
  retry_time = aws_get_retry_time(),
  network_timeout = aws_get_network_timeout(),
  region = aws_get_region()
)
```

Arguments

PoolId	List. The IDs of the IPv6 address pools.[optional]
NextToken	Characters. The token for the next page of results[optional]
MaxResults	Integer. The maximum number of results to return with a single call.[optional]
DryRun	Logical. Checks whether you have the required permissions for the action, without actually making the request,...[optional]
Filter	Named list where the name is the filter name and the value is the filter's value. The value can be a vector or a list object (see below)[optional]
simplify	Logical. Whether to simplify the result and handle nextToken in the response[optional]
others	Named list. The parameters that are not included in the function parameters and need to be added into the request[optional]
print_on_error	Logical. Whether to show an error message when a network error occurs.
retry_time	Integer. Number of retries for a REST request when encounter the network issue. If the request has been sent retry_time times but still not be able to get the response, an error will be thrown.
network_timeout	
	Numeric. Number of seconds to wait for a REST response until giving up. Can not be less than 1 ms.
region	Character. The region of the AWS service.

Value

A list object or a character vector

PoolId

The IDs of the IPv6 address pools.

MaxResults

The maximum number of results to return with a single call. To retrieve the remaining results, make another call with the returned nextToken value.

DryRun

Checks whether you have the required permissions for the action, without actually making the request, and provides an error response. If you have the required permissions, the error response is DryRunOperation. Otherwise, it is UnauthorizedOperation.

Filter

One or more filters.

- tag:\ - The key/value combination of a tag assigned to the resource. Use the tag key in the filter name and the tag value as the filter value. For example, to find all resources that have a tag with the key Owner and the value TeamA, specify tag:Owner for the filter name and TeamA for the filter value.

- `tag-key` - The key of a tag assigned to the resource. Use this filter to find all resources assigned a tag with a specific key, regardless of the tag value.

---

ec2_describe_key_pairs

Describe Key Pairs

Description

Describe Key Pairs

Usage

```
ec2_describe_key_pairs(
  Filter = NULL,
  KeyName = NULL,
  KeyPairId = NULL,
  DryRun = NULL,
  simplify = TRUE,
  others = list(),
  print_on_error = aws_get_print_on_error(),
  retry_time = aws_get_retry_time(),
  network_timeout = aws_get_network_timeout(),
  region = aws_get_region()
)
```

Arguments

Filter	Named list where the name is the filter name and the value is the filter's value. The value can be a vector or a list object (see below)[optional]
KeyName	List. The key pair names. Default: Describes all your key pairs. [optional]
KeyPairId	List. The IDs of the key pairs.[optional]
DryRun	Logical. Checks whether you have the required permissions for the action, without actually making the request,...[optional]
simplify	Logical. Whether to simplify the result and handle nextToken in the response[optional]
others	Named list. The parameters that are not included in the function parameters and need to be added into the request[optional]
print_on_error	Logical. Whether to show an error message when a network error occurs.
retry_time	Integer. Number of retries for a REST request when encounter the network issue. If the request has been sent retry_time times but still not be able to get the response, an error will be thrown.
network_timeout	Numeric. Number of seconds to wait for a REST response until giving up. Can not be less than 1 ms.
region	Character. The region of the AWS service.

Value

A list object or a character vector

Filter

The filters.

- `key-pair-id` - The ID of the key pair.
- `fingerprint` - The fingerprint of the key pair.
- `key-name` - The name of the key pair.
- `tag-key` - The key of a tag assigned to the resource. Use this filter to find all resources assigned a tag with a specific key, regardless of the tag value.
- `tag:\` - The key/value combination of a tag assigned to the resource. Use the tag key in the filter name and the tag value as the filter value. For example, to find all resources that have a tag with the key `Owner` and the value `TeamA`, specify `tag:Owner` for the filter name and `TeamA` for the filter value.

KeyName

The key pair names.

Default: Describes all your key pairs.

KeyPairId

The IDs of the key pairs.

DryRun

Checks whether you have the required permissions for the action, without actually making the request, and provides an error response. If you have the required permissions, the error response is `DryRunOperation`. Otherwise, it is `UnauthorizedOperation`.

---

ec2_describe_launch_templates
Describe Launch Templates

Description

Describes one or more launch templates.

Usage

```
ec2_describe_launch_templates(
  DryRun = NULL,
  LaunchTemplateId = NULL,
  LaunchTemplateName = NULL,
  Filter = NULL,
  NextToken = NULL,
  MaxResults = NULL,
  simplify = TRUE,
  others = list(),
  print_on_error = aws_get_print_on_error(),
  retry_time = aws_get_retry_time(),
  network_timeout = aws_get_network_timeout(),
  region = aws_get_region()
)
```

Arguments

DryRun   Logical. Checks whether you have the required permissions for the action, with-
                    out actually making the request,...[optional]

LaunchTemplateId

                    List. One or more launch template IDs.[optional]

LaunchTemplateName

                    List. One or more launch template names.[optional]

Filter   Named list where the name is the filter name and the value is the filter's value.
                    The value can be a vector or a list object (see below)[optional]

NextToken   Characters. The token for the next page of results[optional]

MaxResults   Integer. The maximum number of results to return in a single call.[optional]

simplify   Logical. Whether to simplify the result and handle nextToken in the response[optional]

others   Named list. The parameters that are not included in the function parameters and
                    need to be added into the request[optional]

print_on_error   Logical. Whether to show an error message when a network error occurs.

retry_time   Integer. Number of retries for a REST request when encounter the network
                    issue. If the request has been sent retry_time times but still not be able to get
                    the response, an error will be thrown.

network_timeout

                    Numeric. Number of seconds to wait for a REST response until giving up. Can
                    not be less than 1 ms.

region   Character. The region of the AWS service.

Value

A list object or a character vector

DryRun

Checks whether you have the required permissions for the action, without actually making the request, and provides an error response. If you have the required permissions, the error response is `DryRunOperation`. Otherwise, it is `UnauthorizedOperation`.

LaunchTemplateId

One or more launch template IDs.

LaunchTemplateName

One or more launch template names.

Filter

One or more filters.

- `create-time` - The time the launch template was created.

- `launch-template-name` - The name of the launch template.

- `tag:\` - The key/value combination of a tag assigned to the resource. Use the tag key in the filter name and the tag value as the filter value. For example, to find all resources that have a tag with the key `Owner` and the value `TeamA`, specify `tag:Owner` for the filter name and `TeamA` for the filter value.

- `tag-key` - The key of a tag assigned to the resource. Use this filter to find all resources assigned a tag with a specific key, regardless of the tag value.

MaxResults

The maximum number of results to return in a single call. To retrieve the remaining results, make another call with the returned `NextToken` value. This value can be between 1 and 200.

---

ec2_describe_launch_template_versions
Describe Launch Template Versions

Description

Describes one or more versions of a specified launch template. You can describe all versions, individual versions, or a range of versions. You can also describe all the latest versions or all the default versions of all the launch templates in your account.

Usage

```
ec2_describe_launch_template_versions(
  DryRun = NULL,
  LaunchTemplateId = NULL,
  LaunchTemplateName = NULL,
  LaunchTemplateVersion = NULL,
  MinVersion = NULL,
  MaxVersion = NULL,
  NextToken = NULL,
  MaxResults = NULL,
  Filter = NULL,
  simplify = TRUE,
  others = list(),
  print_on_error = aws_get_print_on_error(),
  retry_time = aws_get_retry_time(),
  network_timeout = aws_get_network_timeout(),
  region = aws_get_region()
)
```

Arguments

DryRun
: Logical. Checks whether you have the required permissions for the action, without actually making the request,...[optional]

LaunchTemplateId
: Character. The ID of the launch template.[optional]

LaunchTemplateName
: Character. The name of the launch template.[optional]

LaunchTemplateVersion
: List. One or more versions of the launch template.[optional]

MinVersion
: Character. The version number after which to describe launch template versions.[optional]

MaxVersion
: Character. The version number up to which to describe launch template versions.[optional]

NextToken
: Characters. The token for the next page of results[optional]

MaxResults
: Integer. The maximum number of results to return in a single call.[optional]

Filter
: Named list where the name is the filter name and the value is the filter's value. The value can be a vector or a list object (see below)[optional]

simplify
: Logical. Whether to simplify the result and handle nextToken in the response[optional]

others
: Named list. The parameters that are not included in the function parameters and need to be added into the request[optional]

print_on_error
: Logical. Whether to show an error message when a network error occurs.

retry_time
: Integer. Number of retries for a REST request when encounter the network issue. If the request has been sent retry_time times but still not be able to get the response, an error will be thrown.

network_timeout

> Numeric. Number of seconds to wait for a REST response until giving up. Can not be less than 1 ms.

region   Character. The region of the AWS service.

Value

A list object or a character vector

DryRun

Checks whether you have the required permissions for the action, without actually making the request, and provides an error response. If you have the required permissions, the error response is DryRunOperation. Otherwise, it is UnauthorizedOperation.

LaunchTemplateId

The ID of the launch template. To describe one or more versions of a specified launch template, you must specify either the launch template ID or the launch template name in the request. To describe all the latest or default launch template versions in your account, you must omit this parameter.

LaunchTemplateName

The name of the launch template. To describe one or more versions of a specified launch template, you must specify either the launch template ID or the launch template name in the request. To describe all the latest or default launch template versions in your account, you must omit this parameter.

LaunchTemplateVersion

One or more versions of the launch template. Valid values depend on whether you are describing a specified launch template (by ID or name) or all launch templates in your account.

To describe one or more versions of a specified launch template, valid values are $Latest, $Default, and numbers.

To describe all launch templates in your account that are defined as the latest version, the valid value is $Latest. To describe all launch templates in your account that are defined as the default version, the valid value is $Default. You can specify $Latest and $Default in the same call. You cannot specify numbers.

MinVersion

The version number after which to describe launch template versions.

MaxVersion

The version number up to which to describe launch template versions.

MaxResults

The maximum number of results to return in a single call. To retrieve the remaining results, make another call with the returned NextToken value. This value can be between 1 and 200.

Filter

One or more filters.

- `create-time` - The time the launch template version was created.
- `ebs-optimized` - A boolean that indicates whether the instance is optimized for Amazon EBS I/O.
- `iam-instance-profile` - The ARN of the IAM instance profile.
- `image-id` - The ID of the AMI.
- `instance-type` - The instance type.
- `is-default-version` - A boolean that indicates whether the launch template version is the default version.
- `kernel-id` - The kernel ID.
- `ram-disk-id` - The RAM disk ID.

---

ec2_describe_local_gateways

Describe Local Gateways

Description

Describes one or more local gateways. By default, all local gateways are described. Alternatively, you can filter the results.

Usage

```
ec2_describe_local_gateways(
  LocalGatewayId = NULL,
  Filter = NULL,
  MaxResults = NULL,
  NextToken = NULL,
  DryRun = NULL,
  simplify = TRUE,
  others = list(),
  print_on_error = aws_get_print_on_error(),
  retry_time = aws_get_retry_time(),
  network_timeout = aws_get_network_timeout(),
  region = aws_get_region()
)
```

Arguments

`LocalGatewayId`	List. One or more filters.[optional]
`Filter`	Named list where the name is the filter name and the value is the filter's value. The value can be a vector or a list object (see below)[optional]
`MaxResults`	Integer. The maximum number of results to return with a single call.[optional]
`NextToken`	Characters. The token for the next page of results[optional]
`DryRun`	Logical. Checks whether you have the required permissions for the action, without actually making the request,...[optional]
`simplify`	Logical. Whether to simplify the result and handle `nextToken` in the response[optional]
`others`	Named list. The parameters that are not included in the function parameters and need to be added into the request[optional]
`print_on_error`	Logical. Whether to show an error message when a network error occurs.
`retry_time`	Integer. Number of retries for a REST request when encounter the network issue. If the request has been sent `retry_time` times but still not be able to get the response, an error will be thrown.
`network_timeout`	
	Numeric. Number of seconds to wait for a REST response until giving up. Can not be less than 1 ms.
`region`	Character. The region of the AWS service.

Value

A list object or a character vector

LocalGatewayId

One or more filters.

- `local-gateway-id` - The ID of a local gateway.
- `local-gateway-route-table-id` - The ID of the local gateway route table.
- `local-gateway-route-table-virtual-interface-group-association-id` - The ID of the association.
- `local-gateway-route-table-virtual-interface-group-id` - The ID of the virtual interface group.
- `outpost-arn` - The Amazon Resource Name (ARN) of the Outpost.
- `state` - The state of the association.

Filter

One or more filters.

MaxResults

The maximum number of results to return with a single call. To retrieve the remaining results, make another call with the returned `nextToken` value.

DryRun

Checks whether you have the required permissions for the action, without actually making the request, and provides an error response. If you have the required permissions, the error response is DryRunOperation. Otherwise, it is UnauthorizedOperation.

---

ec2_describe_local_gateway_route_tables
Describe Local Gateway Route Tables

Description

Describes one or more local gateway route tables. By default, all local gateway route tables are described. Alternatively, you can filter the results.

Usage

```
ec2_describe_local_gateway_route_tables(
  LocalGatewayRouteTableId = NULL,
  Filter = NULL,
  MaxResults = NULL,
  NextToken = NULL,
  DryRun = NULL,
  simplify = TRUE,
  others = list(),
  print_on_error = aws_get_print_on_error(),
  retry_time = aws_get_retry_time(),
  network_timeout = aws_get_network_timeout(),
  region = aws_get_region()
)
```

Arguments

LocalGatewayRouteTableId

List. The IDs of the local gateway route tables.[optional]

Filter   Named list where the name is the filter name and the value is the filter's value. The value can be a vector or a list object (see below)[optional]

MaxResults   Integer. The maximum number of results to return with a single call.[optional]

NextToken   Characters. The token for the next page of results[optional]

DryRun   Logical. Checks whether you have the required permissions for the action, without actually making the request,...[optional]

simplify   Logical. Whether to simplify the result and handle nextToken in the response[optional]

others   Named list. The parameters that are not included in the function parameters and need to be added into the request[optional]

print_on_error   Logical. Whether to show an error message when a network error occurs.

retry_time	Integer. Number of retries for a REST request when encounter the network issue. If the request has been sent `retry_time` times but still not be able to get the response, an error will be thrown.
network_timeout	
	Numeric. Number of seconds to wait for a REST response until giving up. Can not be less than 1 ms.
region	Character. The region of the AWS service.

Value

A list object or a character vector

LocalGatewayRouteTableId

The IDs of the local gateway route tables.

Filter

One or more filters.

- `local-gateway-id` - The ID of a local gateway.

- `local-gateway-route-table-id` - The ID of a local gateway route table.

- `outpost-arn` - The Amazon Resource Name (ARN) of the Outpost.

- `state` - The state of the local gateway route table.

MaxResults

The maximum number of results to return with a single call. To retrieve the remaining results, make another call with the returned `nextToken` value.

DryRun

Checks whether you have the required permissions for the action, without actually making the request, and provides an error response. If you have the required permissions, the error response is `DryRunOperation`. Otherwise, it is `UnauthorizedOperation`.

---

ec2_describe_local_gateway_route_table_virtual_interface_group_associations
Describe Local Gateway Route Table Virtual Interface Group Associations

---

Description

Describes the associations between virtual interface groups and local gateway route tables.

Usage

```
ec2_describe_local_gateway_route_table_virtual_interface_group_associations(
  LocalGatewayRouteTableVirtualInterfaceGroupAssociationId = NULL,
  Filter = NULL,
  MaxResults = NULL,
  NextToken = NULL,
  DryRun = NULL,
  simplify = TRUE,
  others = list(),
  print_on_error = aws_get_print_on_error(),
  retry_time = aws_get_retry_time(),
  network_timeout = aws_get_network_timeout(),
  region = aws_get_region()
)
```

Arguments

LocalGatewayRouteTableVirtualInterfaceGroupAssociationId

List. The IDs of the associations.[optional]

Filter   Named list where the name is the filter name and the value is the filter's value.
                    The value can be a vector or a list object (see below)[optional]

MaxResults   Integer. The maximum number of results to return with a single call.[optional]

NextToken   Characters. The token for the next page of results[optional]

DryRun   Logical. Checks whether you have the required permissions for the action, with-
                    out actually making the request,...[optional]

simplify   Logical. Whether to simplify the result and handle `nextToken` in the response[optional]

others   Named list. The parameters that are not included in the function parameters and
                    need to be added into the request[optional]

print_on_error   Logical. Whether to show an error message when a network error occurs.

retry_time   Integer. Number of retries for a REST request when encounter the network
                    issue. If the request has been sent `retry_time` times but still not be able to get
                    the response, an error will be thrown.

network_timeout

                    Numeric. Number of seconds to wait for a REST response until giving up. Can
                    not be less than 1 ms.

region   Character. The region of the AWS service.

Value

A list object or a character vector

LocalGatewayRouteTableVirtualInterfaceGroupAssociationId

The IDs of the associations.

Filter

> One or more filters.
>
> - `local-gateway-id` - The ID of a local gateway.
> - `local-gateway-route-table-id` - The ID of the local gateway route table.
> - `local-gateway-route-table-virtual-interface-group-association-id` - The ID of the association.
> - `local-gateway-route-table-virtual-interface-group-id` - The ID of the virtual interface group.
> - `state` - The state of the association.

MaxResults

> The maximum number of results to return with a single call. To retrieve the remaining results, make another call with the returned `nextToken` value.

DryRun

> Checks whether you have the required permissions for the action, without actually making the request, and provides an error response. If you have the required permissions, the error response is `DryRunOperation`. Otherwise, it is `UnauthorizedOperation`.

---

ec2_describe_local_gateway_route_table_vpc_associations
Describe Local Gateway Route Table Vpc Associations

Description

Describes the specified associations between VPCs and local gateway route tables.

Usage

```
ec2_describe_local_gateway_route_table_vpc_associations(
  LocalGatewayRouteTableVpcAssociationId = NULL,
  Filter = NULL,
  MaxResults = NULL,
  NextToken = NULL,
  DryRun = NULL,
  simplify = TRUE,
  others = list(),
  print_on_error = aws_get_print_on_error(),
  retry_time = aws_get_retry_time(),
  network_timeout = aws_get_network_timeout(),
  region = aws_get_region()
)
```

Arguments

LocalGatewayRouteTableVpcAssociationId

        List. The IDs of the associations.[optional]

Filter	Named list where the name is the filter name and the value is the filter's value. The value can be a vector or a list object (see below)[optional]
MaxResults	Integer. The maximum number of results to return with a single call.[optional]
NextToken	Characters. The token for the next page of results[optional]
DryRun	Logical. Checks whether you have the required permissions for the action, without actually making the request,...[optional]
simplify	Logical. Whether to simplify the result and handle nextToken in the response[optional]
others	Named list. The parameters that are not included in the function parameters and need to be added into the request[optional]
print_on_error	Logical. Whether to show an error message when a network error occurs.
retry_time	Integer. Number of retries for a REST request when encounter the network issue. If the request has been sent retry_time times but still not be able to get the response, an error will be thrown.

network_timeout

        Numeric. Number of seconds to wait for a REST response until giving up. Can not be less than 1 ms.

region	Character. The region of the AWS service.

Value

A list object or a character vector

LocalGatewayRouteTableVpcAssociationId

The IDs of the associations.

Filter

One or more filters.

- local-gateway-id - The ID of a local gateway.
- local-gateway-route-table-id - The ID of the local gateway route table.
- local-gateway-route-table-vpc-association-id - The ID of the association.
- state - The state of the association.
- vpc-id - The ID of the VPC.

MaxResults

The maximum number of results to return with a single call. To retrieve the remaining results, make another call with the returned nextToken value.

DryRun

Checks whether you have the required permissions for the action, without actually making the request, and provides an error response. If you have the required permissions, the error response is `DryRunOperation`. Otherwise, it is `UnauthorizedOperation`.

---

ec2_describe_local_gateway_virtual_interfaces
Describe Local Gateway Virtual Interfaces

Description

Describes the specified local gateway virtual interfaces.

Usage

```
ec2_describe_local_gateway_virtual_interfaces(
  LocalGatewayVirtualInterfaceId = NULL,
  Filter = NULL,
  MaxResults = NULL,
  NextToken = NULL,
  DryRun = NULL,
  simplify = TRUE,
  others = list(),
  print_on_error = aws_get_print_on_error(),
  retry_time = aws_get_retry_time(),
  network_timeout = aws_get_network_timeout(),
  region = aws_get_region()
)
```

Arguments

LocalGatewayVirtualInterfaceId
> List. The IDs of the virtual interfaces.[optional]

Filter
> Named list where the name is the filter name and the value is the filter's value. The value can be a vector or a list object (see below)[optional]

MaxResults
> Integer. The maximum number of results to return with a single call.[optional]

NextToken
> Characters. The token for the next page of results[optional]

DryRun
> Logical. Checks whether you have the required permissions for the action, without actually making the request,...[optional]

simplify
> Logical. Whether to simplify the result and handle `nextToken` in the response[optional]

others
> Named list. The parameters that are not included in the function parameters and need to be added into the request[optional]

print_on_error
> Logical. Whether to show an error message when a network error occurs.

retry_time   Integer. Number of retries for a REST request when encounter the network
                    issue. If the request has been sent `retry_time` times but still not be able to get
                    the response, an error will be thrown.

network_timeout

                    Numeric. Number of seconds to wait for a REST response until giving up. Can
                    not be less than 1 ms.

region   Character. The region of the AWS service.

Value

A list object or a character vector

LocalGatewayVirtualInterfaceId

The IDs of the virtual interfaces.

Filter

One or more filters.

MaxResults

The maximum number of results to return with a single call. To retrieve the remaining results, make
another call with the returned `nextToken` value.

DryRun

Checks whether you have the required permissions for the action, without actually making the
request, and provides an error response. If you have the required permissions, the error response is
`DryRunOperation`. Otherwise, it is `UnauthorizedOperation`.

---

ec2_describe_local_gateway_virtual_interface_groups
                    Describe Local Gateway Virtual Interface Groups

---

Description

Describes the specified local gateway virtual interface groups.

Usage

```
ec2_describe_local_gateway_virtual_interface_groups(
  LocalGatewayVirtualInterfaceGroupId = NULL,
  Filter = NULL,
  MaxResults = NULL,
  NextToken = NULL,
  DryRun = NULL,
```

```
  simplify = TRUE,
  others = list(),
  print_on_error = aws_get_print_on_error(),
  retry_time = aws_get_retry_time(),
  network_timeout = aws_get_network_timeout(),
  region = aws_get_region()
)
```

Arguments

LocalGatewayVirtualInterfaceGroupId

List. The IDs of the virtual interface groups.[optional]

Filter	Named list where the name is the filter name and the value is the filter's value. The value can be a vector or a list object (see below)[optional]
MaxResults	Integer. The maximum number of results to return with a single call.[optional]
NextToken	Characters. The token for the next page of results[optional]
DryRun	Logical. Checks whether you have the required permissions for the action, without actually making the request,...[optional]
simplify	Logical. Whether to simplify the result and handle nextToken in the response[optional]
others	Named list. The parameters that are not included in the function parameters and need to be added into the request[optional]
print_on_error	Logical. Whether to show an error message when a network error occurs.
retry_time	Integer. Number of retries for a REST request when encounter the network issue. If the request has been sent retry_time times but still not be able to get the response, an error will be thrown.

network_timeout

Numeric. Number of seconds to wait for a REST response until giving up. Can not be less than 1 ms.

region	Character. The region of the AWS service.

Value

A list object or a character vector

LocalGatewayVirtualInterfaceGroupId

The IDs of the virtual interface groups.

Filter

One or more filters.

- local-gateway-id - The ID of a local gateway.
- local-gateway-virtual-interface-id - The ID of the virtual interface.
- local-gateway-virtual-interface-group-id - The ID of the virtual interface group.

MaxResults

The maximum number of results to return with a single call. To retrieve the remaining results, make another call with the returned `nextToken` value.

DryRun

Checks whether you have the required permissions for the action, without actually making the request, and provides an error response. If you have the required permissions, the error response is `DryRunOperation`. Otherwise, it is `UnauthorizedOperation`.

---

ec2_describe_managed_prefix_lists
Describe Managed Prefix Lists

Description

Describe Managed Prefix Lists

Usage

```
ec2_describe_managed_prefix_lists(
  DryRun = NULL,
  Filter = NULL,
  MaxResults = NULL,
  NextToken = NULL,
  PrefixListId = NULL,
  simplify = TRUE,
  others = list(),
  print_on_error = aws_get_print_on_error(),
  retry_time = aws_get_retry_time(),
  network_timeout = aws_get_network_timeout(),
  region = aws_get_region()
)
```

Arguments

DryRun	Logical. Checks whether you have the required permissions for the action, without actually making the request,...[optional]
Filter	Named list where the name is the filter name and the value is the filter's value. The value can be a vector or a list object (see below)[optional]
MaxResults	Integer. The maximum number of results to return with a single call.[optional]
NextToken	Characters. The token for the next page of results[optional]
PrefixListId	List. One or more prefix list IDs.[optional]
simplify	Logical. Whether to simplify the result and handle nextToken in the response[optional]

others	Named list. The parameters that are not included in the function parameters and need to be added into the request[optional]
print_on_error	Logical. Whether to show an error message when a network error occurs.
retry_time	Integer. Number of retries for a REST request when encounter the network issue. If the request has been sent retry_time times but still not be able to get the response, an error will be thrown.
network_timeout	
	Numeric. Number of seconds to wait for a REST response until giving up. Can not be less than 1 ms.
region	Character. The region of the AWS service.

Value

A list object or a character vector

DryRun

Checks whether you have the required permissions for the action, without actually making the request, and provides an error response. If you have the required permissions, the error response is DryRunOperation. Otherwise, it is UnauthorizedOperation.

Filter

One or more filters.

- owner-id - The ID of the prefix list owner.

- prefix-list-id - The ID of the prefix list.

- prefix-list-name - The name of the prefix list.

MaxResults

The maximum number of results to return with a single call. To retrieve the remaining results, make another call with the returned nextToken value.

PrefixListId

One or more prefix list IDs.

---

ec2_describe_moving_addresses
Describe Moving Addresses

Description

Describes your Elastic IP addresses that are being moved to the EC2-VPC platform, or that are being restored to the EC2-Classic platform. This request does not return information about any other Elastic IP addresses in your account.

Usage

```
ec2_describe_moving_addresses(
  Filter = NULL,
  DryRun = NULL,
  MaxResults = NULL,
  NextToken = NULL,
  PublicIp = NULL,
  simplify = TRUE,
  others = list(),
  print_on_error = aws_get_print_on_error(),
  retry_time = aws_get_retry_time(),
  network_timeout = aws_get_network_timeout(),
  region = aws_get_region()
)
```

Arguments

Filter	Named list where the name is the filter name and the value is the filter's value. The value can be a vector or a list object (see below)[optional]
DryRun	Logical. Checks whether you have the required permissions for the action, without actually making the request,...[optional]
MaxResults	Integer. The maximum number of results to return for the request in a single page.[optional]
NextToken	Characters. The token for the next page of results[optional]
PublicIp	List. One or more Elastic IP addresses.[optional]
simplify	Logical. Whether to simplify the result and handle nextToken in the response[optional]
others	Named list. The parameters that are not included in the function parameters and need to be added into the request[optional]
print_on_error	Logical. Whether to show an error message when a network error occurs.
retry_time	Integer. Number of retries for a REST request when encounter the network issue. If the request has been sent retry_time times but still not be able to get the response, an error will be thrown.

network_timeout

> Numeric. Number of seconds to wait for a REST response until giving up. Can not be less than 1 ms.

region   Character. The region of the AWS service.

Value

A list object or a character vector

Filter

One or more filters.

- `moving-status` - The status of the Elastic IP address (`MovingToVpc` \| `RestoringToClassic`).

DryRun

Checks whether you have the required permissions for the action, without actually making the request, and provides an error response. If you have the required permissions, the error response is `DryRunOperation`. Otherwise, it is `UnauthorizedOperation`.

MaxResults

The maximum number of results to return for the request in a single page. The remaining results of the initial request can be seen by sending another request with the returned `NextToken` value. This value can be between 5 and 1000; if `MaxResults` is given a value outside of this range, an error is returned.

Default: If no value is provided, the default is 1000.

PublicIp

One or more Elastic IP addresses.

---

ec2_describe_nat_gateways

Describe Nat Gateways

Description

Describes one or more of your NAT gateways.

Usage

```
ec2_describe_nat_gateways(
  DryRun = NULL,
  Filter = NULL,
  MaxResults = NULL,
  NatGatewayId = NULL,
  NextToken = NULL,
  simplify = TRUE,
  others = list(),
  print_on_error = aws_get_print_on_error(),
  retry_time = aws_get_retry_time(),
  network_timeout = aws_get_network_timeout(),
  region = aws_get_region()
)
```

Arguments

DryRun	Logical. Checks whether you have the required permissions for the action, without actually making the request,...[optional]
Filter	Named list where the name is the filter name and the value is the filter's value. The value can be a vector or a list object (see below)[optional]
MaxResults	Integer. The maximum number of results to return with a single call.[optional]
NatGatewayId	List. One or more NAT gateway IDs.[optional]
NextToken	Characters. The token for the next page of results[optional]
simplify	Logical. Whether to simplify the result and handle nextToken in the response[optional]
others	Named list. The parameters that are not included in the function parameters and need to be added into the request[optional]
print_on_error	Logical. Whether to show an error message when a network error occurs.
retry_time	Integer. Number of retries for a REST request when encounter the network issue. If the request has been sent retry_time times but still not be able to get the response, an error will be thrown.
network_timeout	Numeric. Number of seconds to wait for a REST response until giving up. Can not be less than 1 ms.
region	Character. The region of the AWS service.

Value

A list object or a character vector

DryRun

Checks whether you have the required permissions for the action, without actually making the request, and provides an error response. If you have the required permissions, the error response is DryRunOperation. Otherwise, it is UnauthorizedOperation.

Filter

One or more filters.

- `nat-gateway-id` - The ID of the NAT gateway.
- `state` - The state of the NAT gateway (pending \| failed \| available \| deleting \| deleted).
- `subnet-id` - The ID of the subnet in which the NAT gateway resides.
- `tag:\` - The key/value combination of a tag assigned to the resource. Use the tag key in the filter name and the tag value as the filter value. For example, to find all resources that have a tag with the key `Owner` and the value `TeamA`, specify `tag:Owner` for the filter name and `TeamA` for the filter value.
- `tag-key` - The key of a tag assigned to the resource. Use this filter to find all resources assigned a tag with a specific key, regardless of the tag value.
- `vpc-id` - The ID of the VPC in which the NAT gateway resides.

MaxResults

The maximum number of results to return with a single call. To retrieve the remaining results, make another call with the returned `nextToken` value.

NatGatewayId

One or more NAT gateway IDs.

---

ec2_describe_network_acls

Describe Network Acls

Description

Describe Network Acls

Usage

```
ec2_describe_network_acls(
  Filter = NULL,
  DryRun = NULL,
  NetworkAclId = NULL,
  NextToken = NULL,
  MaxResults = NULL,
  simplify = TRUE,
  others = list(),
  print_on_error = aws_get_print_on_error(),
  retry_time = aws_get_retry_time(),
  network_timeout = aws_get_network_timeout(),
  region = aws_get_region()
)
```

Arguments

Filter	Named list where the name is the filter name and the value is the filter's value. The value can be a vector or a list object (see below)[optional]
DryRun	Logical. Checks whether you have the required permissions for the action, without actually making the request,...[optional]
NetworkAclId	List. One or more network ACL IDs. Default: Describes all your network ACLs. [optional]
NextToken	Characters. The token for the next page of results[optional]
MaxResults	Integer. The maximum number of results to return with a single call.[optional]
simplify	Logical. Whether to simplify the result and handle nextToken in the response[optional]
others	Named list. The parameters that are not included in the function parameters and need to be added into the request[optional]
print_on_error	Logical. Whether to show an error message when a network error occurs.
retry_time	Integer. Number of retries for a REST request when encounter the network issue. If the request has been sent retry_time times but still not be able to get the response, an error will be thrown.
network_timeout	
	Numeric. Number of seconds to wait for a REST response until giving up. Can not be less than 1 ms.
region	Character. The region of the AWS service.

Value

A list object or a character vector

Filter

One or more filters.

- association.association-id - The ID of an association ID for the ACL.
- association.network-acl-id - The ID of the network ACL involved in the association.
- association.subnet-id - The ID of the subnet involved in the association.
- default - Indicates whether the ACL is the default network ACL for the VPC.
- entry.cidr - The IPv4 CIDR range specified in the entry.
- entry.icmp.code - The ICMP code specified in the entry, if any.
- entry.icmp.type - The ICMP type specified in the entry, if any.
- entry.ipv6-cidr - The IPv6 CIDR range specified in the entry.
- entry.port-range.from - The start of the port range specified in the entry.
- entry.port-range.to - The end of the port range specified in the entry.
- entry.protocol - The protocol specified in the entry (tcp \| udp \| icmp or a protocol number).
- entry.rule-action - Allows or denies the matching traffic (allow \| deny).

- `entry.rule-number` - The number of an entry (in other words, rule) in the set of ACL entries.
- `network-acl-id` - The ID of the network ACL.
- `owner-id` - The ID of the AWS account that owns the network ACL.
- `tag:\` - The key/value combination of a tag assigned to the resource. Use the tag key in the filter name and the tag value as the filter value. For example, to find all resources that have a tag with the key `Owner` and the value `TeamA`, specify `tag:Owner` for the filter name and `TeamA` for the filter value.
- `tag-key` - The key of a tag assigned to the resource. Use this filter to find all resources assigned a tag with a specific key, regardless of the tag value.
- `vpc-id` - The ID of the VPC for the network ACL.

DryRun

Checks whether you have the required permissions for the action, without actually making the request, and provides an error response. If you have the required permissions, the error response is `DryRunOperation`. Otherwise, it is `UnauthorizedOperation`.

NetworkAclId

One or more network ACL IDs.

Default: Describes all your network ACLs.

MaxResults

The maximum number of results to return with a single call. To retrieve the remaining results, make another call with the returned `nextToken` value.

---

ec2_describe_network_insights_analyses
Describe Network Insights Analyses

Description

Describes one or more of your network insights analyses.

Usage

```
ec2_describe_network_insights_analyses(
  NetworkInsightsAnalysisId = NULL,
  NetworkInsightsPathId = NULL,
  AnalysisStartTime = NULL,
  AnalysisEndTime = NULL,
  Filter = NULL,
  MaxResults = NULL,
  DryRun = NULL,
  NextToken = NULL,
```

```
    simplify = TRUE,
    others = list(),
    print_on_error = aws_get_print_on_error(),
    retry_time = aws_get_retry_time(),
    network_timeout = aws_get_network_timeout(),
    region = aws_get_region()
)
```

Arguments

NetworkInsightsAnalysisId

        List. The ID of the network insights analyses. You must specify either analysis IDs or a path ID.[optional]

NetworkInsightsPathId

        Character. The ID of the path. You must specify either a path ID or analysis IDs.[optional]

AnalysisStartTime

        Character. The time when the network insights analyses started.[optional]

AnalysisEndTime

        Character. The time when the network insights analyses ended.[optional]

Filter   Named list where the name is the filter name and the value is the filter's value. The value can be a vector or a list object (see below)[optional]

MaxResults   Integer. The maximum number of results to return with a single call.[optional]

DryRun   Logical. Checks whether you have the required permissions for the action, without actually making the request,...[optional]

NextToken   Characters. The token for the next page of results[optional]

simplify   Logical. Whether to simplify the result and handle nextToken in the response[optional]

others   Named list. The parameters that are not included in the function parameters and need to be added into the request[optional]

print_on_error   Logical. Whether to show an error message when a network error occurs.

retry_time   Integer. Number of retries for a REST request when encounter the network issue. If the request has been sent retry_time times but still not be able to get the response, an error will be thrown.

network_timeout

        Numeric. Number of seconds to wait for a REST response until giving up. Can not be less than 1 ms.

region   Character. The region of the AWS service.

Value

A list object or a character vector

NetworkInsightsAnalysisId

The ID of the network insights analyses. You must specify either analysis IDs or a path ID.

NetworkInsightsPathId

The ID of the path. You must specify either a path ID or analysis IDs.

AnalysisStartTime

The time when the network insights analyses started.

AnalysisEndTime

The time when the network insights analyses ended.

Filter

The filters. The following are possible values:

- PathFound - A Boolean value that indicates whether a feasible path is found.

- Status - The status of the analysis (running \| succeeded \| failed).

MaxResults

The maximum number of results to return with a single call. To retrieve the remaining results, make another call with the returned `nextToken` value.

DryRun

Checks whether you have the required permissions for the action, without actually making the request, and provides an error response. If you have the required permissions, the error response is `DryRunOperation`. Otherwise, it is `UnauthorizedOperation`.

---

ec2_describe_network_insights_paths
Describe Network Insights Paths

Description

Describes one or more of your paths.

Usage

```
ec2_describe_network_insights_paths(
  NetworkInsightsPathId = NULL,
  Filter = NULL,
  MaxResults = NULL,
  DryRun = NULL,
  NextToken = NULL,
  simplify = TRUE,
  others = list(),
```

```
    print_on_error = aws_get_print_on_error(),
    retry_time = aws_get_retry_time(),
    network_timeout = aws_get_network_timeout(),
    region = aws_get_region()
)
```

Arguments

NetworkInsightsPathId

         List. The IDs of the paths.[optional]

Filter	Named list where the name is the filter name and the value is the filter's value. The value can be a vector or a list object (see below)[optional]
MaxResults	Integer. The maximum number of results to return with a single call.[optional]
DryRun	Logical. Checks whether you have the required permissions for the action, without actually making the request,...[optional]
NextToken	Characters. The token for the next page of results[optional]
simplify	Logical. Whether to simplify the result and handle nextToken in the response[optional]
others	Named list. The parameters that are not included in the function parameters and need to be added into the request[optional]
print_on_error	Logical. Whether to show an error message when a network error occurs.
retry_time	Integer. Number of retries for a REST request when encounter the network issue. If the request has been sent retry_time times but still not be able to get the response, an error will be thrown.

network_timeout

         Numeric. Number of seconds to wait for a REST response until giving up. Can not be less than 1 ms.

region	Character. The region of the AWS service.

Value

A list object or a character vector

NetworkInsightsPathId

The IDs of the paths.

Filter

The filters. The following are possible values:

- Destination - The ID of the resource.
- DestinationPort - The destination port.
- Name - The path name.
- Protocol - The protocol.
- Source - The ID of the resource.

MaxResults

The maximum number of results to return with a single call. To retrieve the remaining results, make another call with the returned `nextToken` value.

DryRun

Checks whether you have the required permissions for the action, without actually making the request, and provides an error response. If you have the required permissions, the error response is `DryRunOperation`. Otherwise, it is `UnauthorizedOperation`.

---

ec2_describe_network_interfaces

Describe Network Interfaces

Description

Describes one or more of your network interfaces.

Usage

```
ec2_describe_network_interfaces(
  Filter = NULL,
  DryRun = NULL,
  NetworkInterfaceId = NULL,
  NextToken = NULL,
  MaxResults = NULL,
  simplify = TRUE,
  others = list(),
  print_on_error = aws_get_print_on_error(),
  retry_time = aws_get_retry_time(),
  network_timeout = aws_get_network_timeout(),
  region = aws_get_region()
)
```

Arguments

`Filter`	Named list where the name is the filter name and the value is the filter's value. The value can be a vector or a list object (see below)[optional]
`DryRun`	Logical. Checks whether you have the required permissions for the action, without actually making the request,...[optional]
`NetworkInterfaceId`	List. One or more network interface IDs. Default: Describes all your network interfaces. [optional]
`NextToken`	Characters. The token for the next page of results[optional]
`MaxResults`	Integer. The maximum number of items to return for this request.[optional]

simplify	Logical. Whether to simplify the result and handle `nextToken` in the response[optional]
others	Named list. The parameters that are not included in the function parameters and need to be added into the request[optional]
print_on_error	Logical. Whether to show an error message when a network error occurs.
retry_time	Integer. Number of retries for a REST request when encounter the network issue. If the request has been sent `retry_time` times but still not be able to get the response, an error will be thrown.
network_timeout	
	Numeric. Number of seconds to wait for a REST response until giving up. Can not be less than 1 ms.
region	Character. The region of the AWS service.

Value

A list object or a character vector

Filter

One or more filters.

- `addresses.private-ip-address` - The private IPv4 addresses associated with the network interface.

- `addresses.primary` - Whether the private IPv4 address is the primary IP address associated with the network interface.

- `addresses.association.public-ip` - The association ID returned when the network interface was associated with the Elastic IP address (IPv4).

- `addresses.association.owner-id` - The owner ID of the addresses associated with the network interface.

- `association.association-id` - The association ID returned when the network interface was associated with an IPv4 address.

- `association.allocation-id` - The allocation ID returned when you allocated the Elastic IP address (IPv4) for your network interface.

- `association.ip-owner-id` - The owner of the Elastic IP address (IPv4) associated with the network interface.

- `association.public-ip` - The address of the Elastic IP address (IPv4) bound to the network interface.

- `association.public-dns-name` - The public DNS name for the network interface (IPv4).

- `attachment.attachment-id` - The ID of the interface attachment.

- `attachment.attach-time` - The time that the network interface was attached to an instance.

- `attachment.delete-on-termination` - Indicates whether the attachment is deleted when an instance is terminated.

- `attachment.device-index` - The device index to which the network interface is attached.

- `attachment.instance-id` - The ID of the instance to which the network interface is attached.

- `attachment.instance-owner-id` - The owner ID of the instance to which the network interface is attached.
- `attachment.status` - The status of the attachment (`attaching` \| `attached` \| `detaching` \| `detached`).
- `availability-zone` - The Availability Zone of the network interface.
- `description` - The description of the network interface.
- `group-id` - The ID of a security group associated with the network interface.
- `group-name` - The name of a security group associated with the network interface.
- `ipv6-addresses.ipv6-address` - An IPv6 address associated with the network interface.
- `mac-address` - The MAC address of the network interface.
- `network-interface-id` - The ID of the network interface.
- `owner-id` - The AWS account ID of the network interface owner.
- `private-ip-address` - The private IPv4 address or addresses of the network interface.
- `private-dns-name` - The private DNS name of the network interface (IPv4).
- `requester-id` - The alias or AWS account ID of the principal or service that created the network interface.
- `requester-managed` - Indicates whether the network interface is being managed by an AWS service (for example, AWS Management Console, Auto Scaling, and so on).
- `source-dest-check` - Indicates whether the network interface performs source/destination checking. A value of `true` means checking is enabled, and `false` means checking is disabled. The value must be `false` for the network interface to perform network address translation (NAT) in your VPC.
- `status` - The status of the network interface. If the network interface is not attached to an instance, the status is `available`; if a network interface is attached to an instance the status is in-use.
- `subnet-id` - The ID of the subnet for the network interface.
- `tag:\` - The key/value combination of a tag assigned to the resource. Use the tag key in the filter name and the tag value as the filter value. For example, to find all resources that have a tag with the key Owner and the value TeamA, specify `tag:Owner` for the filter name and TeamA for the filter value.
- `tag-key` - The key of a tag assigned to the resource. Use this filter to find all resources assigned a tag with a specific key, regardless of the tag value.
- `vpc-id` - The ID of the VPC for the network interface.

DryRun

Checks whether you have the required permissions for the action, without actually making the request, and provides an error response. If you have the required permissions, the error response is `DryRunOperation`. Otherwise, it is `UnauthorizedOperation`.

NetworkInterfaceId

One or more network interface IDs.

Default: Describes all your network interfaces.

MaxResults

> The maximum number of items to return for this request. The request returns a token that you can specify in a subsequent call to get the next set of results. You cannot specify this parameter and the network interface IDs parameter in the same request.

---

ec2_describe_network_interface_attribute
Describe Network Interface Attribute

Description

Describes a network interface attribute. You can specify only one attribute at a time.

Usage

```
ec2_describe_network_interface_attribute(
  NetworkInterfaceId,
  Attribute = NULL,
  DryRun = NULL,
  simplify = TRUE,
  others = list(),
  print_on_error = aws_get_print_on_error(),
  retry_time = aws_get_retry_time(),
  network_timeout = aws_get_network_timeout(),
  region = aws_get_region()
)
```

Arguments

NetworkInterfaceId
> Character. The ID of the network interface.

Attribute	Character. The attribute of the network interface. This parameter is required.[optional]
DryRun	Logical. Checks whether you have the required permissions for the action, without actually making the request,...[optional]
simplify	Logical. Whether to simplify the result and handle nextToken in the response[optional]
others	Named list. The parameters that are not included in the function parameters and need to be added into the request[optional]
print_on_error	Logical. Whether to show an error message when a network error occurs.
retry_time	Integer. Number of retries for a REST request when encounter the network issue. If the request has been sent retry_time times but still not be able to get the response, an error will be thrown.

network_timeout
> Numeric. Number of seconds to wait for a REST response until giving up. Can not be less than 1 ms.

region	Character. The region of the AWS service.

Value

A list object or a character vector

NetworkInterfaceId

The ID of the network interface.

Attribute

The attribute of the network interface. This parameter is required.

DryRun

Checks whether you have the required permissions for the action, without actually making the request, and provides an error response. If you have the required permissions, the error response is `DryRunOperation`. Otherwise, it is `UnauthorizedOperation`.

---

ec2_describe_network_interface_permissions
Describe Network Interface Permissions

Description

Describes the permissions for your network interfaces.

Usage

```
ec2_describe_network_interface_permissions(
  NetworkInterfacePermissionId = NULL,
  Filter = NULL,
  NextToken = NULL,
  MaxResults = NULL,
  simplify = TRUE,
  others = list(),
  print_on_error = aws_get_print_on_error(),
  retry_time = aws_get_retry_time(),
  network_timeout = aws_get_network_timeout(),
  region = aws_get_region()
)
```

Arguments

NetworkInterfacePermissionId
                List. One or more network interface permission IDs.[optional]

Filter   Named list where the name is the filter name and the value is the filter's value. The value can be a vector or a list object (see below)[optional]

NextToken   Characters. The token for the next page of results[optional]

MaxResults	Integer. The maximum number of results to return in a single call.[optional]
simplify	Logical. Whether to simplify the result and handle nextToken in the response[optional]
others	Named list. The parameters that are not included in the function parameters and need to be added into the request[optional]
print_on_error	Logical. Whether to show an error message when a network error occurs.
retry_time	Integer. Number of retries for a REST request when encounter the network issue. If the request has been sent retry_time times but still not be able to get the response, an error will be thrown.
network_timeout	
	Numeric. Number of seconds to wait for a REST response until giving up. Can not be less than 1 ms.
region	Character. The region of the AWS service.

Value

A list object or a character vector

NetworkInterfacePermissionId

One or more network interface permission IDs.

Filter

One or more filters.

- network-interface-permission.network-interface-permission-id - The ID of the permission.

- network-interface-permission.network-interface-id - The ID of the network interface.

- network-interface-permission.aws-account-id - The AWS account ID.

- network-interface-permission.aws-service - The AWS service.

- network-interface-permission.permission - The type of permission (INSTANCE-ATTACH \| EIP-ASSOCIATE).

MaxResults

The maximum number of results to return in a single call. To retrieve the remaining results, make another call with the returned NextToken value. If this parameter is not specified, up to 50 results are returned by default.

ec2_describe_placement_groups
Describe Placement Groups

Description

Describes the specified placement groups or all of your placement groups. For more information, see Placement groups in the *Amazon EC2 User Guide*.

Usage

```
ec2_describe_placement_groups(
  Filter = NULL,
  DryRun = NULL,
  GroupName = NULL,
  GroupId = NULL,
  simplify = TRUE,
  others = list(),
  print_on_error = aws_get_print_on_error(),
  retry_time = aws_get_retry_time(),
  network_timeout = aws_get_network_timeout(),
  region = aws_get_region()
)
```

Arguments

Filter	Named list where the name is the filter name and the value is the filter's value. The value can be a vector or a list object (see below)[optional]
DryRun	Logical. Checks whether you have the required permissions for the action, without actually making the request,...[optional]
GroupName	List. The names of the placement groups.[optional]
GroupId	List. The IDs of the placement groups.[optional]
simplify	Logical. Whether to simplify the result and handle nextToken in the response[optional]
others	Named list. The parameters that are not included in the function parameters and need to be added into the request[optional]
print_on_error	Logical. Whether to show an error message when a network error occurs.
retry_time	Integer. Number of retries for a REST request when encounter the network issue. If the request has been sent retry_time times but still not be able to get the response, an error will be thrown.
network_timeout	
	Numeric. Number of seconds to wait for a REST response until giving up. Can not be less than 1 ms.
region	Character. The region of the AWS service.

Value

A list object or a character vector

Filter

The filters.

- `group-name` - The name of the placement group.
- `state` - The state of the placement group (`pending` \| `available` \| `deleting` \| `deleted`).
- `strategy` - The strategy of the placement group (`cluster` \| `spread` \| `partition`).
- `tag:\` - The key/value combination of a tag assigned to the resource. Use the tag key in the filter name and the tag value as the filter value. For example, to find all resources that have a tag with the key `Owner` and the value `TeamA`, specify `tag:Owner` for the filter name and `TeamA` for the filter value.
- `tag-key` - The key of a tag assigned to the resource. Use this filter to find all resources that have a tag with a specific key, regardless of the tag value.

DryRun

Checks whether you have the required permissions for the action, without actually making the request, and provides an error response. If you have the required permissions, the error response is `DryRunOperation`. Otherwise, it is `UnauthorizedOperation`.

GroupName

The names of the placement groups.

Default: Describes all your placement groups, or only those otherwise specified.

GroupId

The IDs of the placement groups.

---

ec2_describe_prefix_lists
Describe Prefix Lists

Description

Describe Prefix Lists

Usage

```
ec2_describe_prefix_lists(
  DryRun = NULL,
  Filter = NULL,
  MaxResults = NULL,
  NextToken = NULL,
  PrefixListId = NULL,
  simplify = TRUE,
  others = list(),
  print_on_error = aws_get_print_on_error(),
  retry_time = aws_get_retry_time(),
  network_timeout = aws_get_network_timeout(),
  region = aws_get_region()
)
```

Arguments

DryRun	Logical. Checks whether you have the required permissions for the action, without actually making the request,...[optional]
Filter	Named list where the name is the filter name and the value is the filter's value. The value can be a vector or a list object (see below)[optional]
MaxResults	Integer. The maximum number of results to return with a single call.[optional]
NextToken	Characters. The token for the next page of results[optional]
PrefixListId	List. One or more prefix list IDs.[optional]
simplify	Logical. Whether to simplify the result and handle nextToken in the response[optional]
others	Named list. The parameters that are not included in the function parameters and need to be added into the request[optional]
print_on_error	Logical. Whether to show an error message when a network error occurs.
retry_time	Integer. Number of retries for a REST request when encounter the network issue. If the request has been sent retry_time times but still not be able to get the response, an error will be thrown.
network_timeout	Numeric. Number of seconds to wait for a REST response until giving up. Can not be less than 1 ms.
region	Character. The region of the AWS service.

Value

A list object or a character vector

DryRun

Checks whether you have the required permissions for the action, without actually making the request, and provides an error response. If you have the required permissions, the error response is DryRunOperation. Otherwise, it is UnauthorizedOperation.

Filter

One or more filters.

- `prefix-list-id`: The ID of a prefix list.
- `prefix-list-name`: The name of a prefix list.

MaxResults

The maximum number of results to return with a single call. To retrieve the remaining results, make another call with the returned `nextToken` value.

PrefixListId

One or more prefix list IDs.

---

ec2_describe_principal_id_format

Describe Principal Id Format

Description

Describe Principal Id Format

Usage

```
ec2_describe_principal_id_format(
  DryRun = NULL,
  Resource = NULL,
  MaxResults = NULL,
  NextToken = NULL,
  simplify = TRUE,
  others = list(),
  print_on_error = aws_get_print_on_error(),
  retry_time = aws_get_retry_time(),
  network_timeout = aws_get_network_timeout(),
  region = aws_get_region()
)
```

Arguments

DryRun	Logical. Checks whether you have the required permissions for the action, without actually making the request,...[optional]
Resource	List. The type of resource: bundle | conversion-task | customer-gateway | dhcp-options | elastic-ip-allocation...[optional]
MaxResults	Integer. The maximum number of results to return in a single call.[optional]
NextToken	Characters. The token for the next page of results[optional]

simplify	Logical. Whether to simplify the result and handle `nextToken` in the response[optional]
others	Named list. The parameters that are not included in the function parameters and need to be added into the request[optional]
print_on_error	Logical. Whether to show an error message when a network error occurs.
retry_time	Integer. Number of retries for a REST request when encounter the network issue. If the request has been sent `retry_time` times but still not be able to get the response, an error will be thrown.
network_timeout	
	Numeric. Number of seconds to wait for a REST response until giving up. Can not be less than 1 ms.
region	Character. The region of the AWS service.

Value

A list object or a character vector

DryRun

Checks whether you have the required permissions for the action, without actually making the request, and provides an error response. If you have the required permissions, the error response is `DryRunOperation`. Otherwise, it is `UnauthorizedOperation`.

Resource

The type of resource: bundle \| conversion-task \| customer-gateway \| dhcp-options \| elastic-ip-allocation \| elastic-ip-association \| export-task \| flow-log \| image \| import-task \| instance \| internet-gateway \| network-acl \| network-acl-association \| network-interface \| network-interface-attachme \| prefix-list \| reservation \| route-table \| route-table-association \| security-group \| snapshot \| subnet \| subnet-cidr-block-association \| volume \| vpc \| vpc-cidr-block-association \| vpc-endpoint \| vpc-peering-connection \| vpn-connection \| vpn-gateway

MaxResults

The maximum number of results to return in a single call. To retrieve the remaining results, make another call with the returned NextToken value.

---

ec2_describe_public_ipv4_pools
Describe Public Ipv4 Pools

Description

Describes the specified IPv4 address pools.

Usage

```
ec2_describe_public_ipv4_pools(
  PoolId = NULL,
  NextToken = NULL,
  MaxResults = NULL,
  Filter = NULL,
  simplify = TRUE,
  others = list(),
  print_on_error = aws_get_print_on_error(),
  retry_time = aws_get_retry_time(),
  network_timeout = aws_get_network_timeout(),
  region = aws_get_region()
)
```

Arguments

PoolId	List. The IDs of the address pools.[optional]
NextToken	Characters. The token for the next page of results[optional]
MaxResults	Integer. The maximum number of results to return with a single call.[optional]
Filter	Named list where the name is the filter name and the value is the filter's value. The value can be a vector or a list object (see below)[optional]
simplify	Logical. Whether to simplify the result and handle nextToken in the response[optional]
others	Named list. The parameters that are not included in the function parameters and need to be added into the request[optional]
print_on_error	Logical. Whether to show an error message when a network error occurs.
retry_time	Integer. Number of retries for a REST request when encounter the network issue. If the request has been sent retry_time times but still not be able to get the response, an error will be thrown.
network_timeout	
	Numeric. Number of seconds to wait for a REST response until giving up. Can not be less than 1 ms.
region	Character. The region of the AWS service.

Value

A list object or a character vector

PoolId

The IDs of the address pools.

MaxResults

The maximum number of results to return with a single call. To retrieve the remaining results, make another call with the returned nextToken value.

Filter

One or more filters.

- `tag:\` - The key/value combination of a tag assigned to the resource. Use the tag key in the filter name and the tag value as the filter value. For example, to find all resources that have a tag with the key `Owner` and the value `TeamA`, specify `tag:Owner` for the filter name and `TeamA` for the filter value.

- `tag-key` - The key of a tag assigned to the resource. Use this filter to find all resources assigned a tag with a specific key, regardless of the tag value.

`ec2_describe_regions` *Describe Regions*

Description

Describe Regions

Usage

```
ec2_describe_regions(
  Filter = NULL,
  RegionName = NULL,
  DryRun = NULL,
  AllRegions = NULL,
  simplify = TRUE,
  others = list(),
  print_on_error = aws_get_print_on_error(),
  retry_time = aws_get_retry_time(),
  network_timeout = aws_get_network_timeout(),
  region = aws_get_region()
)
```

Arguments

Filter	Named list where the name is the filter name and the value is the filter's value. The value can be a vector or a list object (see below)[optional]
RegionName	List. The names of the Regions.[optional]
DryRun	Logical. Checks whether you have the required permissions for the action, without actually making the request,...[optional]
AllRegions	Logical. Indicates whether to display all Regions, including Regions that are disabled for your account.[optional]
simplify	Logical. Whether to simplify the result and handle nextToken in the response[optional]
others	Named list. The parameters that are not included in the function parameters and need to be added into the request[optional]
print_on_error	Logical. Whether to show an error message when a network error occurs.

retry_time   Integer. Number of retries for a REST request when encounter the network
                  issue. If the request has been sent retry_time times but still not be able to get
                  the response, an error will be thrown.

network_timeout
                  Numeric. Number of seconds to wait for a REST response until giving up. Can
                  not be less than 1 ms.

region   Character. The region of the AWS service.

Value

A list object or a character vector

Filter

The filters.

- endpoint - The endpoint of the Region (for example, ec2.us-east-1.amazonaws.com).
- opt-in-status - The opt-in status of the Region (opt-in-not-required \| opted-in \| not-opted-in).
- region-name - The name of the Region (for example, us-east-1).

RegionName

The names of the Regions. You can specify any Regions, whether they are enabled and disabled for
your account.

DryRun

Checks whether you have the required permissions for the action, without actually making the
request, and provides an error response. If you have the required permissions, the error response is
DryRunOperation. Otherwise, it is UnauthorizedOperation.

AllRegions

Indicates whether to display all Regions, including Regions that are disabled for your account.

---

ec2_describe_reserved_instances
                         Describe Reserved Instances

Description

Describe Reserved Instances

Usage

```
ec2_describe_reserved_instances(
  Filter = NULL,
  OfferingClass = NULL,
  ReservedInstancesId = NULL,
  DryRun = NULL,
  OfferingType = NULL,
  simplify = TRUE,
  others = list(),
  print_on_error = aws_get_print_on_error(),
  retry_time = aws_get_retry_time(),
  network_timeout = aws_get_network_timeout(),
  region = aws_get_region()
)
```

Arguments

`Filter`	Named list where the name is the filter name and the value is the filter's value. The value can be a vector or a list object (see below)[optional]
`OfferingClass`	Character. Describes whether the Reserved Instance is Standard or Convertible.[optional]
`ReservedInstancesId`	
	List. One or more Reserved Instance IDs.[optional]
`DryRun`	Logical. Checks whether you have the required permissions for the action, without actually making the request,...[optional]
`OfferingType`	Character. The Reserved Instance offering type.[optional]
`simplify`	Logical. Whether to simplify the result and handle `nextToken` in the response[optional]
`others`	Named list. The parameters that are not included in the function parameters and need to be added into the request[optional]
`print_on_error`	Logical. Whether to show an error message when a network error occurs.
`retry_time`	Integer. Number of retries for a REST request when encounter the network issue. If the request has been sent `retry_time` times but still not be able to get the response, an error will be thrown.
`network_timeout`	
	Numeric. Number of seconds to wait for a REST response until giving up. Can not be less than 1 ms.
`region`	Character. The region of the AWS service.

Value

A list object or a character vector

Filter

One or more filters.

- `availability-zone` - The Availability Zone where the Reserved Instance can be used.
- `duration` - The duration of the Reserved Instance (one year or three years), in seconds (`31536000` \| `94608000`).
- `end` - The time when the Reserved Instance expires (for example, 2015-08-07T11:54:42.000Z).
- `fixed-price` - The purchase price of the Reserved Instance (for example, 9800.0).
- `instance-type` - The instance type that is covered by the reservation.
- `scope` - The scope of the Reserved Instance (`Region` or Availability Zone).
- `product-description` - The Reserved Instance product platform description. Instances that include (Amazon VPC) in the product platform description will only be displayed to EC2-Classic account holders and are for use with Amazon VPC (`Linux/UNIX` \| Linux/UNIX (Amazon VPC) \| SUSE Linux \| SUSE Linux (Amazon VPC) \| Red Hat Enterprise Linux \| Red Hat Enterprise Linux (Amazon VPC) \| `Windows` \| Windows (Amazon VPC) \| Windows with SQL Server Standard \| Windows with SQL Server Standard (Amazon VPC) \| Windows with SQL Server Web \| Windows with SQL Server Web (Amazon VPC) \| Windows with SQL Server Enterprise \| Windows with SQL Server Enterprise (Amazon VPC)).
- `reserved-instances-id` - The ID of the Reserved Instance.
- `start` - The time at which the Reserved Instance purchase request was placed (for example, 2014-08-07T11:54:42.000Z).
- `state` - The state of the Reserved Instance (`payment-pending` \| `active` \| `payment-failed` \| `retired`).
- `tag:\` - The key/value combination of a tag assigned to the resource. Use the tag key in the filter name and the tag value as the filter value. For example, to find all resources that have a tag with the key `Owner` and the value `TeamA`, specify `tag:Owner` for the filter name and `TeamA` for the filter value.
- `tag-key` - The key of a tag assigned to the resource. Use this filter to find all resources assigned a tag with a specific key, regardless of the tag value.
- `usage-price` - The usage price of the Reserved Instance, per hour (for example, 0.84).

OfferingClass

Describes whether the Reserved Instance is Standard or Convertible.

ReservedInstancesId

One or more Reserved Instance IDs.

Default: Describes all your Reserved Instances, or only those otherwise specified.

DryRun

Checks whether you have the required permissions for the action, without actually making the request, and provides an error response. If you have the required permissions, the error response is `DryRunOperation`. Otherwise, it is `UnauthorizedOperation`.

OfferingType

The Reserved Instance offering type. If you are using tools that predate the 2011-11-01 API version, you only have access to the Medium Utilization Reserved Instance offering type.

ec2_describe_reserved_instances_listings

Describe Reserved Instances Listings

Description

Describe Reserved Instances Listings

Usage

```
ec2_describe_reserved_instances_listings(
  Filter = NULL,
  ReservedInstancesId = NULL,
  ReservedInstancesListingId = NULL,
  simplify = TRUE,
  others = list(),
  print_on_error = aws_get_print_on_error(),
  retry_time = aws_get_retry_time(),
  network_timeout = aws_get_network_timeout(),
  region = aws_get_region()
)
```

Arguments

Filter	Named list where the name is the filter name and the value is the filter's value. The value can be a vector or a list object (see below)[optional]
ReservedInstancesId	
	Character. One or more Reserved Instance IDs.[optional]
ReservedInstancesListingId	
	Character. One or more Reserved Instance listing IDs.[optional]
simplify	Logical. Whether to simplify the result and handle nextToken in the response[optional]
others	Named list. The parameters that are not included in the function parameters and need to be added into the request[optional]
print_on_error	Logical. Whether to show an error message when a network error occurs.
retry_time	Integer. Number of retries for a REST request when encounter the network issue. If the request has been sent retry_time times but still not be able to get the response, an error will be thrown.
network_timeout	
	Numeric. Number of seconds to wait for a REST response until giving up. Can not be less than 1 ms.
region	Character. The region of the AWS service.

Value

A list object or a character vector

Filter

One or more filters.

- `reserved-instances-id` - The ID of the Reserved Instances.
- `reserved-instances-listing-id` - The ID of the Reserved Instances listing.
- `status` - The status of the Reserved Instance listing (pending \| active \| cancelled \| closed).
- `status-message` - The reason for the status.

ReservedInstancesId

One or more Reserved Instance IDs.

ReservedInstancesListingId

One or more Reserved Instance listing IDs.

---

ec2_describe_reserved_instances_modifications
                    Describe Reserved Instances Modifications

---

Description

Describe Reserved Instances Modifications

Usage

```
ec2_describe_reserved_instances_modifications(
  Filter = NULL,
  ReservedInstancesModificationId = NULL,
  NextToken = NULL,
  simplify = TRUE,
  others = list(),
  print_on_error = aws_get_print_on_error(),
  retry_time = aws_get_retry_time(),
  network_timeout = aws_get_network_timeout(),
  region = aws_get_region()
)
```

Arguments

Filter   Named list where the name is the filter name and the value is the filter's value.
                    The value can be a vector or a list object (see below)[optional]

ReservedInstancesModificationId
                    List. IDs for the submitted modification request.[optional]

NextToken   Characters. The token for the next page of results[optional]

simplify	Logical. Whether to simplify the result and handle nextToken in the response[optional]
others	Named list. The parameters that are not included in the function parameters and need to be added into the request[optional]
print_on_error	Logical. Whether to show an error message when a network error occurs.
retry_time	Integer. Number of retries for a REST request when encounter the network issue. If the request has been sent retry_time times but still not be able to get the response, an error will be thrown.
network_timeout	
	Numeric. Number of seconds to wait for a REST response until giving up. Can not be less than 1 ms.
region	Character. The region of the AWS service.

Value

A list object or a character vector

Filter

One or more filters.

- client-token - The idempotency token for the modification request.
- create-date - The time when the modification request was created.
- effective-date - The time when the modification becomes effective.
- modification-result.reserved-instances-id - The ID for the Reserved Instances created as part of the modification request. This ID is only available when the status of the modification is fulfilled.
- modification-result.target-configuration.availability-zone - The Availability Zone for the new Reserved Instances.
- modification-result.target-configuration.instance-count - The number of new Reserved Instances.
- modification-result.target-configuration.instance-type - The instance type of the new Reserved Instances.
- modification-result.target-configuration.platform - The network platform of the new Reserved Instances (EC2-Classic \| EC2-VPC).
- reserved-instances-id - The ID of the Reserved Instances modified.
- reserved-instances-modification-id - The ID of the modification request.
- status - The status of the Reserved Instances modification request (processing \| fulfilled \| failed).
- status-message - The reason for the status.
- update-date - The time when the modification request was last updated.

ReservedInstancesModificationId

IDs for the submitted modification request.

```
ec2_describe_reserved_instances_offerings
```
Describe Reserved Instances Offerings

Description

Describe Reserved Instances Offerings

Usage

```
ec2_describe_reserved_instances_offerings(
  AvailabilityZone = NULL,
  Filter = NULL,
  IncludeMarketplace = NULL,
  InstanceType = NULL,
  MaxDuration = NULL,
  MaxInstanceCount = NULL,
  MinDuration = NULL,
  OfferingClass = NULL,
  ProductDescription = NULL,
  ReservedInstancesOfferingId = NULL,
  DryRun = NULL,
  InstanceTenancy = NULL,
  MaxResults = NULL,
  NextToken = NULL,
  OfferingType = NULL,
  simplify = TRUE,
  others = list(),
  print_on_error = aws_get_print_on_error(),
  retry_time = aws_get_retry_time(),
  network_timeout = aws_get_network_timeout(),
  region = aws_get_region()
)
```

Arguments

AvailabilityZone

   Character. The Availability Zone in which the Reserved Instance can be used.[optional]

Filter   Named list where the name is the filter name and the value is the filter's value.
                 The value can be a vector or a list object (see below)[optional]

IncludeMarketplace

   Logical. Include Reserved Instance Marketplace offerings in the response.[optional]

InstanceType   Character. The instance type that the reservation will cover (for example, `m1.small`).
                 For more information,...[optional]

MaxDuration   Integer. The maximum duration (in seconds) to filter when searching for offer-
                 ings.[optional]

MaxInstanceCount

    Integer. The maximum number of instances to filter when searching for offerings. Default: 20 [optional]

MinDuration   Integer. The minimum duration (in seconds) to filter when searching for offerings.[optional]

OfferingClass   Character. The offering class of the Reserved Instance. Can be standard or convertible.[optional]

ProductDescription

    Character. The Reserved Instance product platform description.[optional]

ReservedInstancesOfferingId

    List. One or more Reserved Instances offering IDs.[optional]

DryRun   Logical. Checks whether you have the required permissions for the action, without actually making the request,...[optional]

InstanceTenancy

    Character. The tenancy of the instances covered by the reservation.[optional]

MaxResults   Integer. The maximum number of results to return for the request in a single page.[optional]

NextToken   Characters. The token for the next page of results[optional]

OfferingType   Character. The Reserved Instance offering type.[optional]

simplify   Logical. Whether to simplify the result and handle nextToken in the response[optional]

others   Named list. The parameters that are not included in the function parameters and need to be added into the request[optional]

print_on_error   Logical. Whether to show an error message when a network error occurs.

retry_time   Integer. Number of retries for a REST request when encounter the network issue. If the request has been sent retry_time times but still not be able to get the response, an error will be thrown.

network_timeout

    Numeric. Number of seconds to wait for a REST response until giving up. Can not be less than 1 ms.

region   Character. The region of the AWS service.

Value

A list object or a character vector

AvailabilityZone

The Availability Zone in which the Reserved Instance can be used.

Filter

One or more filters.

- availability-zone - The Availability Zone where the Reserved Instance can be used.
- duration - The duration of the Reserved Instance (for example, one year or three years), in seconds (31536000 \| 94608000).

- `fixed-price` - The purchase price of the Reserved Instance (for example, 9800.0).

- `instance-type` - The instance type that is covered by the reservation.

- `marketplace` - Set to `true` to show only Reserved Instance Marketplace offerings. When this filter is not used, which is the default behavior, all offerings from both AWS and the Reserved Instance Marketplace are listed.

- `product-description` - The Reserved Instance product platform description. Instances that include (Amazon VPC) in the product platform description will only be displayed to EC2-Classic account holders and are for use with Amazon VPC. (`Linux/UNIX` \| `Linux/UNIX` (Amazon VPC) \| SUSE Linux \| SUSE Linux (Amazon VPC) \| Red Hat Enterprise Linux \| Red Hat Enterprise Linux (Amazon VPC) \| `Windows` \| `Windows` (Amazon VPC) \| Windows with SQL Server Standard \| Windows with SQL Server Standard (Amazon VPC) \| Windows with SQL Server Web \| Windows with SQL Server Web (Amazon VPC) \| Windows with SQL Server Enterprise \| Windows with SQL Server Enterprise (Amazon VPC))

- `reserved-instances-offering-id` - The Reserved Instances offering ID.

- `scope` - The scope of the Reserved Instance (Availability Zone or `Region`).

- `usage-price` - The usage price of the Reserved Instance, per hour (for example, 0.84).

IncludeMarketplace

Include Reserved Instance Marketplace offerings in the response.

InstanceType

The instance type that the reservation will cover (for example, `m1.small`). For more information, see Instance types in the *Amazon EC2 User Guide*.

MaxDuration

The maximum duration (in seconds) to filter when searching for offerings.

Default: 94608000 (3 years)

MaxInstanceCount

The maximum number of instances to filter when searching for offerings.

Default: 20

MinDuration

The minimum duration (in seconds) to filter when searching for offerings.

Default: 2592000 (1 month)

OfferingClass

The offering class of the Reserved Instance. Can be `standard` or `convertible`.

ProductDescription

The Reserved Instance product platform description. Instances that include (Amazon VPC) in the description are for use with Amazon VPC.

ReservedInstancesOfferingId

One or more Reserved Instances offering IDs.

DryRun

Checks whether you have the required permissions for the action, without actually making the request, and provides an error response. If you have the required permissions, the error response is `DryRunOperation`. Otherwise, it is `UnauthorizedOperation`.

InstanceTenancy

The tenancy of the instances covered by the reservation. A Reserved Instance with a tenancy of `dedicated` is applied to instances that run in a VPC on single-tenant hardware (i.e., Dedicated Instances).

Important: The `host` value cannot be used with this parameter. Use the `default` or `dedicated` values only.

Default: `default`

MaxResults

The maximum number of results to return for the request in a single page. The remaining results of the initial request can be seen by sending another request with the returned `NextToken` value. The maximum is 100.

Default: 100

OfferingType

The Reserved Instance offering type. If you are using tools that predate the 2011-11-01 API version, you only have access to the Medium Utilization Reserved Instance offering type.

`ec2_describe_route_tables`

Describe Route Tables

Description

Describe Route Tables

Usage

```
ec2_describe_route_tables(
  Filter = NULL,
  DryRun = NULL,
  RouteTableId = NULL,
  NextToken = NULL,
  MaxResults = NULL,
  simplify = TRUE,
  others = list(),
  print_on_error = aws_get_print_on_error(),
  retry_time = aws_get_retry_time(),
  network_timeout = aws_get_network_timeout(),
  region = aws_get_region()
)
```

Arguments

Filter	Named list where the name is the filter name and the value is the filter's value. The value can be a vector or a list object (see below)[optional]
DryRun	Logical. Checks whether you have the required permissions for the action, without actually making the request,...[optional]
RouteTableId	List. One or more route table IDs. Default: Describes all your route tables. [optional]
NextToken	Characters. The token for the next page of results[optional]
MaxResults	Integer. The maximum number of results to return with a single call.[optional]
simplify	Logical. Whether to simplify the result and handle nextToken in the response[optional]
others	Named list. The parameters that are not included in the function parameters and need to be added into the request[optional]
print_on_error	Logical. Whether to show an error message when a network error occurs.
retry_time	Integer. Number of retries for a REST request when encounter the network issue. If the request has been sent retry_time times but still not be able to get the response, an error will be thrown.
network_timeout	
	Numeric. Number of seconds to wait for a REST response until giving up. Can not be less than 1 ms.
region	Character. The region of the AWS service.

Value

A list object or a character vector

Filter

One or more filters.

- association.route-table-association-id - The ID of an association ID for the route table.

- `association.route-table-id` - The ID of the route table involved in the association.
- `association.subnet-id` - The ID of the subnet involved in the association.
- `association.main` - Indicates whether the route table is the main route table for the VPC (`true` \| `false`). Route tables that do not have an association ID are not returned in the response.
- `owner-id` - The ID of the AWS account that owns the route table.
- `route-table-id` - The ID of the route table.
- `route.destination-cidr-block` - The IPv4 CIDR range specified in a route in the table.
- `route.destination-ipv6-cidr-block` - The IPv6 CIDR range specified in a route in the route table.
- `route.destination-prefix-list-id` - The ID (prefix) of the AWS service specified in a route in the table.
- `route.egress-only-internet-gateway-id` - The ID of an egress-only Internet gateway specified in a route in the route table.
- `route.gateway-id` - The ID of a gateway specified in a route in the table.
- `route.instance-id` - The ID of an instance specified in a route in the table.
- `route.nat-gateway-id` - The ID of a NAT gateway.
- `route.transit-gateway-id` - The ID of a transit gateway.
- `route.origin` - Describes how the route was created. `CreateRouteTable` indicates that the route was automatically created when the route table was created; `CreateRoute` indicates that the route was manually added to the route table; `EnableVgwRoutePropagation` indicates that the route was propagated by route propagation.
- `route.state` - The state of a route in the route table (`active` \| `blackhole`). The blackhole state indicates that the route\'s target isn\'t available (for example, the specified gateway isn\'t attached to the VPC, the specified NAT instance has been terminated, and so on).
- `route.vpc-peering-connection-id` - The ID of a VPC peering connection specified in a route in the table.
- `tag:\` - The key/value combination of a tag assigned to the resource. Use the tag key in the filter name and the tag value as the filter value. For example, to find all resources that have a tag with the key `Owner` and the value `TeamA`, specify `tag:Owner` for the filter name and `TeamA` for the filter value.
- `tag-key` - The key of a tag assigned to the resource. Use this filter to find all resources assigned a tag with a specific key, regardless of the tag value.
- `vpc-id` - The ID of the VPC for the route table.

DryRun

Checks whether you have the required permissions for the action, without actually making the request, and provides an error response. If you have the required permissions, the error response is `DryRunOperation`. Otherwise, it is `UnauthorizedOperation`.

RouteTableId

One or more route table IDs.

Default: Describes all your route tables.

MaxResults

The maximum number of results to return with a single call. To retrieve the remaining results, make another call with the returned `nextToken` value.

---

ec2_describe_scheduled_instances
Describe Scheduled Instances

Description

Describes the specified Scheduled Instances or all your Scheduled Instances.

Usage

```
ec2_describe_scheduled_instances(
  DryRun = NULL,
  Filter = NULL,
  MaxResults = NULL,
  NextToken = NULL,
  ScheduledInstanceId = NULL,
  SlotStartTimeRange = NULL,
  simplify = TRUE,
  others = list(),
  print_on_error = aws_get_print_on_error(),
  retry_time = aws_get_retry_time(),
  network_timeout = aws_get_network_timeout(),
  region = aws_get_region()
)
```

Arguments

DryRun	Logical. Checks whether you have the required permissions for the action, without actually making the request,...[optional]
Filter	Named list where the name is the filter name and the value is the filter's value. The value can be a vector or a list object (see below)[optional]
MaxResults	Integer. The maximum number of results to return in a single call.[optional]
NextToken	Characters. The token for the next page of results[optional]
ScheduledInstanceId	
	List. The Scheduled Instance IDs.[optional]
SlotStartTimeRange	
	Object. The time period for the first schedule to start.[optional]
simplify	Logical. Whether to simplify the result and handle `nextToken` in the response[optional]
others	Named list. The parameters that are not included in the function parameters and need to be added into the request[optional]

print_on_error   Logical. Whether to show an error message when a network error occurs.

retry_time   Integer. Number of retries for a REST request when encounter the network issue. If the request has been sent retry_time times but still not be able to get the response, an error will be thrown.

network_timeout

Numeric. Number of seconds to wait for a REST response until giving up. Can not be less than 1 ms.

region   Character. The region of the AWS service.

Value

A list object or a character vector

DryRun

Checks whether you have the required permissions for the action, without actually making the request, and provides an error response. If you have the required permissions, the error response is DryRunOperation. Otherwise, it is UnauthorizedOperation.

Filter

The filters.

- availability-zone - The Availability Zone (for example, us-west-2a).

- instance-type - The instance type (for example, c4.large).

- network-platform - The network platform (EC2-Classic or EC2-VPC).

- platform - The platform (Linux/UNIX or Windows).

MaxResults

The maximum number of results to return in a single call. This value can be between 5 and 300. The default value is 100. To retrieve the remaining results, make another call with the returned NextToken value.

ScheduledInstanceId

The Scheduled Instance IDs.

SlotStartTimeRange

The time period for the first schedule to start.

---

ec2_describe_scheduled_instance_availability
Describe Scheduled Instance Availability

Description

Describe Scheduled Instance Availability

Usage

```
ec2_describe_scheduled_instance_availability(
  FirstSlotStartTimeRange,
  Recurrence,
  DryRun = NULL,
  Filter = NULL,
  MaxResults = NULL,
  MaxSlotDurationInHours = NULL,
  MinSlotDurationInHours = NULL,
  NextToken = NULL,
  simplify = TRUE,
  others = list(),
  print_on_error = aws_get_print_on_error(),
  retry_time = aws_get_retry_time(),
  network_timeout = aws_get_network_timeout(),
  region = aws_get_region()
)
```

Arguments

FirstSlotStartTimeRange

                Object. The time period for the first schedule to start.

Recurrence   Object. The schedule recurrence.

DryRun   Logical. Checks whether you have the required permissions for the action, without actually making the request,...[optional]

Filter   Named list where the name is the filter name and the value is the filter's value. The value can be a vector or a list object (see below)[optional]

MaxResults   Integer. The maximum number of results to return in a single call.[optional]

MaxSlotDurationInHours

                Integer. The maximum available duration, in hours.[optional]

MinSlotDurationInHours

                Integer. The minimum available duration, in hours.[optional]

NextToken   Characters. The token for the next page of results[optional]

simplify   Logical. Whether to simplify the result and handle `nextToken` in the response[optional]

others   Named list. The parameters that are not included in the function parameters and need to be added into the request[optional]

print_on_error Logical. Whether to show an error message when a network error occurs.

retry_time   Integer. Number of retries for a REST request when encounter the network issue. If the request has been sent retry_time times but still not be able to get the response, an error will be thrown.

network_timeout

               Numeric. Number of seconds to wait for a REST response until giving up. Can not be less than 1 ms.

region   Character. The region of the AWS service.

Value

A list object or a character vector

FirstSlotStartTimeRange

The time period for the first schedule to start.

Recurrence

The schedule recurrence.

DryRun

Checks whether you have the required permissions for the action, without actually making the request, and provides an error response. If you have the required permissions, the error response is DryRunOperation. Otherwise, it is UnauthorizedOperation.

Filter

The filters.

- availability-zone - The Availability Zone (for example, us-west-2a).

- instance-type - The instance type (for example, c4.large).

- network-platform - The network platform (EC2-Classic or EC2-VPC).

- platform - The platform (Linux/UNIX or Windows).

MaxResults

The maximum number of results to return in a single call. This value can be between 5 and 300. The default value is 300. To retrieve the remaining results, make another call with the returned NextToken value.

MaxSlotDurationInHours

The maximum available duration, in hours. This value must be greater than MinSlotDurationInHours and less than 1,720.

MinSlotDurationInHours

The minimum available duration, in hours. The minimum required duration is 1,200 hours per year. For example, the minimum daily schedule is 4 hours, the minimum weekly schedule is 24 hours, and the minimum monthly schedule is 100 hours.

---

ec2_describe_security_groups
Describe Security Groups

Description

Describe Security Groups

Usage

```
ec2_describe_security_groups(
  Filter = NULL,
  GroupId = NULL,
  GroupName = NULL,
  DryRun = NULL,
  NextToken = NULL,
  MaxResults = NULL,
  simplify = TRUE,
  others = list(),
  print_on_error = aws_get_print_on_error(),
  retry_time = aws_get_retry_time(),
  network_timeout = aws_get_network_timeout(),
  region = aws_get_region()
)
```

Arguments

Filter	Named list where the name is the filter name and the value is the filter's value. The value can be a vector or a list object (see below)[optional]
GroupId	List. The IDs of the security groups.[optional]
GroupName	List. [EC2-Classic and default VPC only] The names of the security groups.[optional]
DryRun	Logical. Checks whether you have the required permissions for the action, without actually making the request,...[optional]
NextToken	Characters. The token for the next page of results[optional]
MaxResults	Integer. The maximum number of results to return in a single call.[optional]
simplify	Logical. Whether to simplify the result and handle nextToken in the response[optional]
others	Named list. The parameters that are not included in the function parameters and need to be added into the request[optional]
print_on_error	Logical. Whether to show an error message when a network error occurs.

retry_time   Integer. Number of retries for a REST request when encounter the network
               issue. If the request has been sent retry_time times but still not be able to get
               the response, an error will be thrown.

network_timeout

               Numeric. Number of seconds to wait for a REST response until giving up. Can
               not be less than 1 ms.

region   Character. The region of the AWS service.

Value

A list object or a character vector

Filter

The filters. If using multiple filters for rules, the results include security groups for which any
combination of rules - not necessarily a single rule - match all filters.

- description - The description of the security group.
- egress.ip-permission.cidr - An IPv4 CIDR block for an outbound security group rule.
- egress.ip-permission.from-port - For an outbound rule, the start of port range for the
  TCP and UDP protocols, or an ICMP type number.
- egress.ip-permission.group-id - The ID of a security group that has been referenced in
  an outbound security group rule.
- egress.ip-permission.group-name - The name of a security group that is referenced in an
  outbound security group rule.
- egress.ip-permission.ipv6-cidr - An IPv6 CIDR block for an outbound security group
  rule.
- egress.ip-permission.prefix-list-id - The ID of a prefix list to which a security group
  rule allows outbound access.
- egress.ip-permission.protocol - The IP protocol for an outbound security group rule
  (tcp \| udp \| icmp, a protocol number, or -1 for all protocols).
- egress.ip-permission.to-port - For an outbound rule, the end of port range for the TCP
  and UDP protocols, or an ICMP code.
- egress.ip-permission.user-id - The ID of an AWS account that has been referenced in
  an outbound security group rule.
- group-id - The ID of the security group.
- group-name - The name of the security group.
- ip-permission.cidr - An IPv4 CIDR block for an inbound security group rule.
- ip-permission.from-port - For an inbound rule, the start of port range for the TCP and
  UDP protocols, or an ICMP type number.
- ip-permission.group-id - The ID of a security group that has been referenced in an inbound
  security group rule.
- ip-permission.group-name - The name of a security group that is referenced in an inbound
  security group rule.

- `ip-permission.ipv6-cidr` - An IPv6 CIDR block for an inbound security group rule.

- `ip-permission.prefix-list-id` - The ID of a prefix list from which a security group rule allows inbound access.

- `ip-permission.protocol` - The IP protocol for an inbound security group rule (`tcp \| udp \| icmp`, a protocol number, or -1 for all protocols).

- `ip-permission.to-port` - For an inbound rule, the end of port range for the TCP and UDP protocols, or an ICMP code.

- `ip-permission.user-id` - The ID of an AWS account that has been referenced in an inbound security group rule.

- `owner-id` - The AWS account ID of the owner of the security group.

- `tag:\` - The key/value combination of a tag assigned to the resource. Use the tag key in the filter name and the tag value as the filter value. For example, to find all resources that have a tag with the key `Owner` and the value `TeamA`, specify `tag:Owner` for the filter name and `TeamA` for the filter value.

- `tag-key` - The key of a tag assigned to the resource. Use this filter to find all resources assigned a tag with a specific key, regardless of the tag value.

- `vpc-id` - The ID of the VPC specified when the security group was created.

GroupId

The IDs of the security groups. Required for security groups in a nondefault VPC.

Default: Describes all your security groups.

GroupName

[EC2-Classic and default VPC only] The names of the security groups. You can specify either the security group name or the security group ID. For security groups in a nondefault VPC, use the `group-name` filter to describe security groups by name.

Default: Describes all your security groups.

DryRun

Checks whether you have the required permissions for the action, without actually making the request, and provides an error response. If you have the required permissions, the error response is `DryRunOperation`. Otherwise, it is `UnauthorizedOperation`.

MaxResults

The maximum number of results to return in a single call. To retrieve the remaining results, make another request with the returned `NextToken` value. This value can be between 5 and 1000. If this parameter is not specified, then all results are returned.

---

ec2_describe_security_group_references
Describe Security Group References

Description

[VPC only] Describes the VPCs on the other side of a VPC peering connection that are referencing the security groups you\'ve specified in this request.

Usage

```
ec2_describe_security_group_references(
  GroupId,
  DryRun = NULL,
  simplify = TRUE,
  others = list(),
  print_on_error = aws_get_print_on_error(),
  retry_time = aws_get_retry_time(),
  network_timeout = aws_get_network_timeout(),
  region = aws_get_region()
)
```

Arguments

GroupId	List. The IDs of the security groups in your account.
DryRun	Logical. Checks whether you have the required permissions for the action, without actually making the request,...[optional]
simplify	Logical. Whether to simplify the result and handle nextToken in the response[optional]
others	Named list. The parameters that are not included in the function parameters and need to be added into the request[optional]
print_on_error	Logical. Whether to show an error message when a network error occurs.
retry_time	Integer. Number of retries for a REST request when encounter the network issue. If the request has been sent retry_time times but still not be able to get the response, an error will be thrown.
network_timeout	
	Numeric. Number of seconds to wait for a REST response until giving up. Can not be less than 1 ms.
region	Character. The region of the AWS service.

Value

A list object or a character vector

GroupId

The IDs of the security groups in your account.

DryRun

Checks whether you have the required permissions for the action, without actually making the request, and provides an error response. If you have the required permissions, the error response is DryRunOperation. Otherwise, it is UnauthorizedOperation.

---

ec2_describe_snapshots

Describe Snapshots

Description

Describe Snapshots

Usage

```
ec2_describe_snapshots(
  Filter = NULL,
  MaxResults = NULL,
  NextToken = NULL,
  Owner = NULL,
  RestorableBy = NULL,
  SnapshotId = NULL,
  DryRun = NULL,
  simplify = TRUE,
  others = list(),
  print_on_error = aws_get_print_on_error(),
  retry_time = aws_get_retry_time(),
  network_timeout = aws_get_network_timeout(),
  region = aws_get_region()
)
```

Arguments

Filter	Named list where the name is the filter name and the value is the filter's value. The value can be a vector or a list object (see below)[optional]
MaxResults	Integer. The maximum number of snapshot results returned by DescribeSnapshots in paginated output.[optional]
NextToken	Characters. The token for the next page of results[optional]
Owner	List. Scopes the results to snapshots with the specified owners.[optional]
RestorableBy	List. The IDs of the AWS accounts that can create volumes from the snapshot.[optional]
SnapshotId	List. The snapshot IDs.[optional]
DryRun	Logical. Checks whether you have the required permissions for the action, without actually making the request,...[optional]

simplify	Logical. Whether to simplify the result and handle `nextToken` in the response[optional]
others	Named list. The parameters that are not included in the function parameters and need to be added into the request[optional]
print_on_error	Logical. Whether to show an error message when a network error occurs.
retry_time	Integer. Number of retries for a REST request when encounter the network issue. If the request has been sent `retry_time` times but still not be able to get the response, an error will be thrown.
network_timeout	
	Numeric. Number of seconds to wait for a REST response until giving up. Can not be less than 1 ms.
region	Character. The region of the AWS service.

Value

A list object or a character vector

Filter

The filters.

- `description` - A description of the snapshot.

- `encrypted` - Indicates whether the snapshot is encrypted (`true` \| `false`)

- `owner-alias` - The owner alias, from an Amazon-maintained list (`amazon`). This is not the user-configured AWS account alias set using the IAM console. We recommend that you use the related parameter instead of this filter.

- `owner-id` - The AWS account ID of the owner. We recommend that you use the related parameter instead of this filter.

- `progress` - The progress of the snapshot, as a percentage (for example, 80\

- `snapshot-id` - The snapshot ID.

- `start-time` - The time stamp when the snapshot was initiated.

- `status` - The status of the snapshot (`pending` \| `completed` \| `error`).

- `tag:\` - The key/value combination of a tag assigned to the resource. Use the tag key in the filter name and the tag value as the filter value. For example, to find all resources that have a tag with the key `Owner` and the value `TeamA`, specify `tag:Owner` for the filter name and `TeamA` for the filter value.

- `tag-key` - The key of a tag assigned to the resource. Use this filter to find all resources assigned a tag with a specific key, regardless of the tag value.

- `volume-id` - The ID of the volume the snapshot is for.

- `volume-size` - The size of the volume, in GiB.

MaxResults

The maximum number of snapshot results returned by `DescribeSnapshots` in paginated output. When this parameter is used, `DescribeSnapshots` only returns MaxResults results in a single page along with a NextToken response element. The remaining results of the initial request can be seen by sending another `DescribeSnapshots` request with the returned `NextToken` value. This value can be between 5 and 1,000; if `MaxResults` is given a value larger than 1,000, only 1,000 results are returned. If this parameter is not used, then `DescribeSnapshots` returns all results. You cannot specify this parameter and the snapshot IDs parameter in the same request.

Owner

Scopes the results to snapshots with the specified owners. You can specify a combination of AWS account IDs, `self`, and `amazon`.

RestorableBy

The IDs of the AWS accounts that can create volumes from the snapshot.

SnapshotId

The snapshot IDs.

Default: Describes the snapshots for which you have create volume permissions.

DryRun

Checks whether you have the required permissions for the action, without actually making the request, and provides an error response. If you have the required permissions, the error response is `DryRunOperation`. Otherwise, it is `UnauthorizedOperation`.

---

ec2_describe_snapshot_attribute
Describe Snapshot Attribute

Description

Describe Snapshot Attribute

Usage

```
ec2_describe_snapshot_attribute(
  Attribute,
  SnapshotId,
  DryRun = NULL,
  simplify = TRUE,
  others = list(),
  print_on_error = aws_get_print_on_error(),
  retry_time = aws_get_retry_time(),
```

```
    network_timeout = aws_get_network_timeout(),
    region = aws_get_region()
)
```

Arguments

`Attribute`	Character. The snapshot attribute you would like to view.
`SnapshotId`	Character. The ID of the EBS snapshot.
`DryRun`	Logical. Checks whether you have the required permissions for the action, without actually making the request,...[optional]
`simplify`	Logical. Whether to simplify the result and handle `nextToken` in the response[optional]
`others`	Named list. The parameters that are not included in the function parameters and need to be added into the request[optional]
`print_on_error`	Logical. Whether to show an error message when a network error occurs.
`retry_time`	Integer. Number of retries for a REST request when encounter the network issue. If the request has been sent `retry_time` times but still not be able to get the response, an error will be thrown.
`network_timeout`	
	Numeric. Number of seconds to wait for a REST response until giving up. Can not be less than 1 ms.
`region`	Character. The region of the AWS service.

Value

A list object or a character vector

Attribute

The snapshot attribute you would like to view.

SnapshotId

The ID of the EBS snapshot.

DryRun

Checks whether you have the required permissions for the action, without actually making the request, and provides an error response. If you have the required permissions, the error response is `DryRunOperation`. Otherwise, it is `UnauthorizedOperation`.

---

ec2_describe_spot_datafeed_subscription
Describe Spot Datafeed Subscription

Description

Describes the data feed for Spot Instances. For more information, see Spot Instance data feed in the
Amazon EC2 User Guide for Linux Instances.

Usage

```
ec2_describe_spot_datafeed_subscription(
  DryRun = NULL,
  simplify = TRUE,
  others = list(),
  print_on_error = aws_get_print_on_error(),
  retry_time = aws_get_retry_time(),
  network_timeout = aws_get_network_timeout(),
  region = aws_get_region()
)
```

Arguments

DryRun	Logical. Checks whether you have the required permissions for the action, without actually making the request,...[optional]
simplify	Logical. Whether to simplify the result and handle nextToken in the response[optional]
others	Named list. The parameters that are not included in the function parameters and need to be added into the request[optional]
print_on_error	Logical. Whether to show an error message when a network error occurs.
retry_time	Integer. Number of retries for a REST request when encounter the network issue. If the request has been sent retry_time times but still not be able to get the response, an error will be thrown.
network_timeout	
	Numeric. Number of seconds to wait for a REST response until giving up. Can not be less than 1 ms.
region	Character. The region of the AWS service.

Value

A list object or a character vector

DryRun

Checks whether you have the required permissions for the action, without actually making the
request, and provides an error response. If you have the required permissions, the error response is
DryRunOperation. Otherwise, it is UnauthorizedOperation.

ec2_describe_spot_fleet_instances

Describe Spot Fleet Instances

Description

Describes the running instances for the specified Spot Fleet.

Usage

```
ec2_describe_spot_fleet_instances(
  SpotFleetRequestId,
  DryRun = NULL,
  MaxResults = NULL,
  NextToken = NULL,
  simplify = TRUE,
  others = list(),
  print_on_error = aws_get_print_on_error(),
  retry_time = aws_get_retry_time(),
  network_timeout = aws_get_network_timeout(),
  region = aws_get_region()
)
```

Arguments

SpotFleetRequestId

Character. The ID of the Spot Fleet request.

DryRun   Logical. Checks whether you have the required permissions for the action, without actually making the request,...[optional]

MaxResults   Integer. The maximum number of results to return in a single call.[optional]

NextToken   Characters. The token for the next page of results[optional]

simplify   Logical. Whether to simplify the result and handle nextToken in the response[optional]

others   Named list. The parameters that are not included in the function parameters and need to be added into the request[optional]

print_on_error Logical. Whether to show an error message when a network error occurs.

retry_time   Integer. Number of retries for a REST request when encounter the network issue. If the request has been sent retry_time times but still not be able to get the response, an error will be thrown.

network_timeout

Numeric. Number of seconds to wait for a REST response until giving up. Can not be less than 1 ms.

region   Character. The region of the AWS service.

Value

A list object or a character vector

SpotFleetRequestId

The ID of the Spot Fleet request.

DryRun

Checks whether you have the required permissions for the action, without actually making the request, and provides an error response. If you have the required permissions, the error response is `DryRunOperation`. Otherwise, it is `UnauthorizedOperation`.

MaxResults

The maximum number of results to return in a single call. Specify a value between 1 and 1000. The default value is 1000. To retrieve the remaining results, make another call with the returned `NextToken` value.

---

ec2_describe_spot_fleet_requests
                                        Describe Spot Fleet Requests

---

Description

Describe Spot Fleet Requests

Usage

```
ec2_describe_spot_fleet_requests(
  DryRun = NULL,
  MaxResults = NULL,
  NextToken = NULL,
  SpotFleetRequestId = NULL,
  simplify = TRUE,
  others = list(),
  print_on_error = aws_get_print_on_error(),
  retry_time = aws_get_retry_time(),
  network_timeout = aws_get_network_timeout(),
  region = aws_get_region()
)
```

Arguments

DryRun	Logical. Checks whether you have the required permissions for the action, without actually making the request,...[optional]
MaxResults	Integer. The maximum number of results to return in a single call.[optional]
NextToken	Characters. The token for the next page of results[optional]
SpotFleetRequestId	List. The IDs of the Spot Fleet requests.[optional]
simplify	Logical. Whether to simplify the result and handle nextToken in the response[optional]
others	Named list. The parameters that are not included in the function parameters and need to be added into the request[optional]
print_on_error	Logical. Whether to show an error message when a network error occurs.
retry_time	Integer. Number of retries for a REST request when encounter the network issue. If the request has been sent retry_time times but still not be able to get the response, an error will be thrown.
network_timeout	Numeric. Number of seconds to wait for a REST response until giving up. Can not be less than 1 ms.
region	Character. The region of the AWS service.

Value

A list object or a character vector

DryRun

Checks whether you have the required permissions for the action, without actually making the request, and provides an error response. If you have the required permissions, the error response is DryRunOperation. Otherwise, it is UnauthorizedOperation.

MaxResults

The maximum number of results to return in a single call. Specify a value between 1 and 1000. The default value is 1000. To retrieve the remaining results, make another call with the returned NextToken value.

SpotFleetRequestId

The IDs of the Spot Fleet requests.

---

ec2_describe_spot_fleet_request_history
                    Describe Spot Fleet Request History

Description

Describe Spot Fleet Request History

Usage

```
ec2_describe_spot_fleet_request_history(
  SpotFleetRequestId,
  StartTime,
  DryRun = NULL,
  EventType = NULL,
  MaxResults = NULL,
  NextToken = NULL,
  simplify = TRUE,
  others = list(),
  print_on_error = aws_get_print_on_error(),
  retry_time = aws_get_retry_time(),
  network_timeout = aws_get_network_timeout(),
  region = aws_get_region()
)
```

Arguments

SpotFleetRequestId

              Character. The ID of the Spot Fleet request.

StartTime   Character. The starting date and time for the events, in UTC format (for exam-
                  ple, *YYYY-MM-DD*T*HH*:*MM*:*SS*Z)....

DryRun   Logical. Checks whether you have the required permissions for the action, with-
                  out actually making the request,...[optional]

EventType   Character. The type of events to describe. By default, all events are described.[optional]

MaxResults   Integer. The maximum number of results to return in a single call.[optional]

NextToken   Characters. The token for the next page of results[optional]

simplify   Logical. Whether to simplify the result and handle nextToken in the response[optional]

others   Named list. The parameters that are not included in the function parameters and
                  need to be added into the request[optional]

print_on_error   Logical. Whether to show an error message when a network error occurs.

retry_time   Integer. Number of retries for a REST request when encounter the network
                  issue. If the request has been sent retry_time times but still not be able to get
                  the response, an error will be thrown.

network_timeout

> Numeric. Number of seconds to wait for a REST response until giving up. Can not be less than 1 ms.

region   Character. The region of the AWS service.

Value

A list object or a character vector

SpotFleetRequestId

The ID of the Spot Fleet request.

StartTime

The starting date and time for the events, in UTC format (for example, *YYYY-MM-DD*T*HH*:*MM*:*SS*Z).

DryRun

Checks whether you have the required permissions for the action, without actually making the request, and provides an error response. If you have the required permissions, the error response is DryRunOperation. Otherwise, it is UnauthorizedOperation.

EventType

The type of events to describe. By default, all events are described.

MaxResults

The maximum number of results to return in a single call. Specify a value between 1 and 1000. The default value is 1000. To retrieve the remaining results, make another call with the returned NextToken value.

---

ec2_describe_spot_instance_requests
                    Describe Spot Instance Requests

Description

Describe Spot Instance Requests

Usage

```
ec2_describe_spot_instance_requests(
  Filter = NULL,
  DryRun = NULL,
  SpotInstanceRequestId = NULL,
  NextToken = NULL,
  MaxResults = NULL,
  simplify = TRUE,
  others = list(),
  print_on_error = aws_get_print_on_error(),
  retry_time = aws_get_retry_time(),
  network_timeout = aws_get_network_timeout(),
  region = aws_get_region()
)
```

Arguments

Filter	Named list where the name is the filter name and the value is the filter's value. The value can be a vector or a list object (see below)[optional]
DryRun	Logical. Checks whether you have the required permissions for the action, without actually making the request,...[optional]
SpotInstanceRequestId	
	List. One or more Spot Instance request IDs.[optional]
NextToken	Characters. The token for the next page of results[optional]
MaxResults	Integer. The maximum number of results to return in a single call.[optional]
simplify	Logical. Whether to simplify the result and handle nextToken in the response[optional]
others	Named list. The parameters that are not included in the function parameters and need to be added into the request[optional]
print_on_error	Logical. Whether to show an error message when a network error occurs.
retry_time	Integer. Number of retries for a REST request when encounter the network issue. If the request has been sent retry_time times but still not be able to get the response, an error will be thrown.
network_timeout	
	Numeric. Number of seconds to wait for a REST response until giving up. Can not be less than 1 ms.
region	Character. The region of the AWS service.

Value

A list object or a character vector

Filter

One or more filters.

- availability-zone-group - The Availability Zone group.

- `create-time` - The time stamp when the Spot Instance request was created.
- `fault-code` - The fault code related to the request.
- `fault-message` - The fault message related to the request.
- `instance-id` - The ID of the instance that fulfilled the request.
- `launch-group` - The Spot Instance launch group.
- `launch.block-device-mapping.delete-on-termination` - Indicates whether the EBS volume is deleted on instance termination.
- `launch.block-device-mapping.device-name` - The device name for the volume in the block device mapping (for example, /dev/sdh or xvdh).
- `launch.block-device-mapping.snapshot-id` - The ID of the snapshot for the EBS volume.
- `launch.block-device-mapping.volume-size` - The size of the EBS volume, in GiB.
- `launch.block-device-mapping.volume-type` - The type of EBS volume: gp2 for General Purpose SSD, io1 or io2 for Provisioned IOPS SSD, st1 for Throughput Optimized HDD, sc1for Cold HDD, or `standard` for Magnetic.
- `launch.group-id` - The ID of the security group for the instance.
- `launch.group-name` - The name of the security group for the instance.
- `launch.image-id` - The ID of the AMI.
- `launch.instance-type` - The type of instance (for example, `m3.medium`).
- `launch.kernel-id` - The kernel ID.
- `launch.key-name` - The name of the key pair the instance launched with.
- `launch.monitoring-enabled` - Whether detailed monitoring is enabled for the Spot Instance.
- `launch.ramdisk-id` - The RAM disk ID.
- `launched-availability-zone` - The Availability Zone in which the request is launched.
- `network-interface.addresses.primary` - Indicates whether the IP address is the primary private IP address.
- `network-interface.delete-on-termination` - Indicates whether the network interface is deleted when the instance is terminated.
- `network-interface.description` - A description of the network interface.
- `network-interface.device-index` - The index of the device for the network interface attachment on the instance.
- `network-interface.group-id` - The ID of the security group associated with the network interface.
- `network-interface.network-interface-id` - The ID of the network interface.
- `network-interface.private-ip-address` - The primary private IP address of the network interface.
- `network-interface.subnet-id` - The ID of the subnet for the instance.
- `product-description` - The product description associated with the instance (Linux/UNIX \| Windows).

- `spot-instance-request-id` - The Spot Instance request ID.

- `spot-price` - The maximum hourly price for any Spot Instance launched to fulfill the request.

- `state` - The state of the Spot Instance request (open \| `active` \| `closed` \| `cancelled` \| `failed`). Spot request status information can help you track your Amazon EC2 Spot Instance requests. For more information, see Spot request status in the *Amazon EC2 User Guide for Linux Instances*.

- `status-code` - The short code describing the most recent evaluation of your Spot Instance request.

- `status-message` - The message explaining the status of the Spot Instance request.

- `tag:\` - The key/value combination of a tag assigned to the resource. Use the tag key in the filter name and the tag value as the filter value. For example, to find all resources that have a tag with the key `Owner` and the value `TeamA`, specify `tag:Owner` for the filter name and `TeamA` for the filter value.

- `tag-key` - The key of a tag assigned to the resource. Use this filter to find all resources assigned a tag with a specific key, regardless of the tag value.

- `type` - The type of Spot Instance request (`one-time` \| `persistent`).

- `valid-from` - The start date of the request.

- `valid-until` - The end date of the request.

DryRun

Checks whether you have the required permissions for the action, without actually making the request, and provides an error response. If you have the required permissions, the error response is `DryRunOperation`. Otherwise, it is `UnauthorizedOperation`.

SpotInstanceRequestId

One or more Spot Instance request IDs.

MaxResults

The maximum number of results to return in a single call. Specify a value between 5 and 1000. To retrieve the remaining results, make another call with the returned `NextToken` value.

`ec2_describe_spot_price_history`
Describe Spot Price History

Description

Describe Spot Price History

Usage

```
ec2_describe_spot_price_history(
  Filter = NULL,
  AvailabilityZone = NULL,
  DryRun = NULL,
  EndTime = NULL,
  InstanceType = NULL,
  MaxResults = NULL,
  NextToken = NULL,
  ProductDescription = NULL,
  StartTime = NULL,
  simplify = TRUE,
  others = list(),
  print_on_error = aws_get_print_on_error(),
  retry_time = aws_get_retry_time(),
  network_timeout = aws_get_network_timeout(),
  region = aws_get_region()
)
```

Arguments

Filter	Named list where the name is the filter name and the value is the filter's value. The value can be a vector or a list object (see below)[optional]
AvailabilityZone	
	Character. Filters the results by the specified Availability Zone.[optional]
DryRun	Logical. Checks whether you have the required permissions for the action, without actually making the request,...[optional]
EndTime	Character. The date and time, up to the current date, from which to stop retrieving the price history data,...[optional]
InstanceType	List. Filters the results by the specified instance types.[optional]
MaxResults	Integer. The maximum number of results to return in a single call.[optional]
NextToken	Characters. The token for the next page of results[optional]
ProductDescription	
	List. Filters the results by the specified basic product descriptions.[optional]
StartTime	Character. The date and time, up to the past 90 days, from which to start retrieving the price history data,...[optional]
simplify	Logical. Whether to simplify the result and handle nextToken in the response[optional]
others	Named list. The parameters that are not included in the function parameters and need to be added into the request[optional]
print_on_error	Logical. Whether to show an error message when a network error occurs.
retry_time	Integer. Number of retries for a REST request when encounter the network issue. If the request has been sent retry_time times but still not be able to get the response, an error will be thrown.

network_timeout

> Numeric. Number of seconds to wait for a REST response until giving up. Can not be less than 1 ms.

region   Character. The region of the AWS service.

Value

A list object or a character vector

Filter

One or more filters.

- `availability-zone` - The Availability Zone for which prices should be returned.
- `instance-type` - The type of instance (for example, `m3.medium`).
- `product-description` - The product description for the Spot price (`Linux/UNIX` \| Red Hat Enterprise Linux \| SUSE Linux \| Windows \| Linux/UNIX (Amazon VPC) \| Red Hat Enterprise Linux (Amazon VPC) \| SUSE Linux (Amazon VPC) \| Windows (Amazon VPC)).
- `spot-price` - The Spot price. The value must match exactly (or use wildcards; greater than or less than comparison is not supported).
- `timestamp` - The time stamp of the Spot price history, in UTC format (for example, *YYYY-MM-DD*T*HH*:*MM*:*SS*Z). You can use wildcards (* and ?). Greater than or less than comparison is not supported.

AvailabilityZone

Filters the results by the specified Availability Zone.

DryRun

Checks whether you have the required permissions for the action, without actually making the request, and provides an error response. If you have the required permissions, the error response is `DryRunOperation`. Otherwise, it is `UnauthorizedOperation`.

EndTime

The date and time, up to the current date, from which to stop retrieving the price history data, in UTC format (for example, *YYYY-MM-DD*T*HH*:*MM*:*SS*Z).

InstanceType

Filters the results by the specified instance types.

MaxResults

The maximum number of results to return in a single call. Specify a value between 1 and 1000. The default value is 1000. To retrieve the remaining results, make another call with the returned `NextToken` value.

ProductDescription

Filters the results by the specified basic product descriptions.

StartTime

The date and time, up to the past 90 days, from which to start retrieving the price history data, in UTC format (for example, *YYYY-MM-DD*T*HH*:*MM*:*SS*Z).

---

ec2_describe_stale_security_groups
Describe Stale Security Groups

Description

[VPC only] Describes the stale security group rules for security groups in a specified VPC. Rules are stale when they reference a deleted security group in a peer VPC, or a security group in a peer VPC for which the VPC peering connection has been deleted.

Usage

```
ec2_describe_stale_security_groups(
  VpcId,
  DryRun = NULL,
  MaxResults = NULL,
  NextToken = NULL,
  simplify = TRUE,
  others = list(),
  print_on_error = aws_get_print_on_error(),
  retry_time = aws_get_retry_time(),
  network_timeout = aws_get_network_timeout(),
  region = aws_get_region()
)
```

Arguments

VpcId	Character. The ID of the VPC.
DryRun	Logical. Checks whether you have the required permissions for the action, without actually making the request,...[optional]
MaxResults	Integer. The maximum number of items to return for this request.[optional]
NextToken	Characters. The token for the next page of results[optional]
simplify	Logical. Whether to simplify the result and handle nextToken in the response[optional]
others	Named list. The parameters that are not included in the function parameters and need to be added into the request[optional]
print_on_error	Logical. Whether to show an error message when a network error occurs.

retry_time	Integer. Number of retries for a REST request when encounter the network issue. If the request has been sent `retry_time` times but still not be able to get the response, an error will be thrown.
network_timeout	
	Numeric. Number of seconds to wait for a REST response until giving up. Can not be less than 1 ms.
region	Character. The region of the AWS service.

Value

A list object or a character vector

VpcId

The ID of the VPC.

DryRun

Checks whether you have the required permissions for the action, without actually making the request, and provides an error response. If you have the required permissions, the error response is `DryRunOperation`. Otherwise, it is `UnauthorizedOperation`.

MaxResults

The maximum number of items to return for this request. The request returns a token that you can specify in a subsequent call to get the next set of results.

---

ec2_describe_subnets   *Describe Subnets*

Description

Describe Subnets

Usage

```
ec2_describe_subnets(
  Filter = NULL,
  SubnetId = NULL,
  DryRun = NULL,
  NextToken = NULL,
  MaxResults = NULL,
  simplify = TRUE,
  others = list(),
  print_on_error = aws_get_print_on_error(),
  retry_time = aws_get_retry_time(),
  network_timeout = aws_get_network_timeout(),
  region = aws_get_region()
)
```

Arguments

Filter	Named list where the name is the filter name and the value is the filter's value. The value can be a vector or a list object (see below)[optional]
SubnetId	List. One or more subnet IDs. Default: Describes all your subnets. [optional]
DryRun	Logical. Checks whether you have the required permissions for the action, without actually making the request,...[optional]
NextToken	Characters. The token for the next page of results[optional]
MaxResults	Integer. The maximum number of results to return with a single call.[optional]
simplify	Logical. Whether to simplify the result and handle nextToken in the response[optional]
others	Named list. The parameters that are not included in the function parameters and need to be added into the request[optional]
print_on_error	Logical. Whether to show an error message when a network error occurs.
retry_time	Integer. Number of retries for a REST request when encounter the network issue. If the request has been sent retry_time times but still not be able to get the response, an error will be thrown.
network_timeout	
	Numeric. Number of seconds to wait for a REST response until giving up. Can not be less than 1 ms.
region	Character. The region of the AWS service.

Value

A list object or a character vector

Filter

One or more filters.

- availability-zone - The Availability Zone for the subnet. You can also use availabilityZone as the filter name.

- availability-zone-id - The ID of the Availability Zone for the subnet. You can also use availabilityZoneId as the filter name.

- available-ip-address-count - The number of IPv4 addresses in the subnet that are available.

- cidr-block - The IPv4 CIDR block of the subnet. The CIDR block you specify must exactly match the subnet\'s CIDR block for information to be returned for the subnet. You can also use cidr or cidrBlock as the filter names.

- default-for-az - Indicates whether this is the default subnet for the Availability Zone. You can also use defaultForAz as the filter name.

- ipv6-cidr-block-association.ipv6-cidr-block - An IPv6 CIDR block associated with the subnet.

- ipv6-cidr-block-association.association-id - An association ID for an IPv6 CIDR block associated with the subnet.

- `ipv6-cidr-block-association.state` - The state of an IPv6 CIDR block associated with the subnet.

- `owner-id` - The ID of the AWS account that owns the subnet.

- `state` - The state of the subnet (`pending` \| `available`).

- `subnet-arn` - The Amazon Resource Name (ARN) of the subnet.

- `subnet-id` - The ID of the subnet.

- `tag:\` - The key/value combination of a tag assigned to the resource. Use the tag key in the filter name and the tag value as the filter value. For example, to find all resources that have a tag with the key `Owner` and the value `TeamA`, specify `tag:Owner` for the filter name and `TeamA` for the filter value.

- `tag-key` - The key of a tag assigned to the resource. Use this filter to find all resources assigned a tag with a specific key, regardless of the tag value.

- `vpc-id` - The ID of the VPC for the subnet.

SubnetId

One or more subnet IDs.

Default: Describes all your subnets.

DryRun

Checks whether you have the required permissions for the action, without actually making the request, and provides an error response. If you have the required permissions, the error response is `DryRunOperation`. Otherwise, it is `UnauthorizedOperation`.

MaxResults

The maximum number of results to return with a single call. To retrieve the remaining results, make another call with the returned `nextToken` value.

---

ec2_describe_tags   *Describe Tags*

Description

Describe Tags

Usage

```
ec2_describe_tags(
  DryRun = NULL,
  Filter = NULL,
  MaxResults = NULL,
  NextToken = NULL,
  simplify = TRUE,
```

```
    others = list(),
    print_on_error = aws_get_print_on_error(),
    retry_time = aws_get_retry_time(),
    network_timeout = aws_get_network_timeout(),
    region = aws_get_region()
)
```

Arguments

DryRun	Logical. Checks whether you have the required permissions for the action, without actually making the request,...[optional]
Filter	Named list where the name is the filter name and the value is the filter's value. The value can be a vector or a list object (see below)[optional]
MaxResults	Integer. The maximum number of results to return in a single call.[optional]
NextToken	Characters. The token for the next page of results[optional]
simplify	Logical. Whether to simplify the result and handle nextToken in the response[optional]
others	Named list. The parameters that are not included in the function parameters and need to be added into the request[optional]
print_on_error	Logical. Whether to show an error message when a network error occurs.
retry_time	Integer. Number of retries for a REST request when encounter the network issue. If the request has been sent retry_time times but still not be able to get the response, an error will be thrown.
network_timeout	
	Numeric. Number of seconds to wait for a REST response until giving up. Can not be less than 1 ms.
region	Character. The region of the AWS service.

Value

A list object or a character vector

DryRun

Checks whether you have the required permissions for the action, without actually making the request, and provides an error response. If you have the required permissions, the error response is DryRunOperation. Otherwise, it is UnauthorizedOperation.

Filter

The filters.

- key - The tag key.

- resource-id - The ID of the resource.

- resource-type - The resource type (customer-gateway \| dedicated-host \| dhcp-options \| elastic-ip \| fleet \| fpga-image \| host-reservation \| image \| instance \| internet-gateway \| key-pair \| launch-template \| natgateway \| network-acl \| network-interface \|

placement-group \| reserved-instances \| route-table \| security-group \| snapshot \|
spot-instances-request \| subnet \| volume \| vpc \| vpc-endpoint \| vpc-endpoint-service
\| vpc-peering-connection \| vpn-connection \| vpn-gateway).

- tag:\ - The key/value combination of the tag. For example, specify \'tag:Owner\' for the filter
  name and \'TeamA\' for the filter value to find resources with the tag \'Owner=TeamA\'.

- value - The tag value.

MaxResults

The maximum number of results to return in a single call. This value can be between 5 and 1000.
To retrieve the remaining results, make another call with the returned NextToken value.

---

ec2_describe_traffic_mirror_filters
Describe Traffic Mirror Filters

Description

Describes one or more Traffic Mirror filters.

Usage

```
ec2_describe_traffic_mirror_filters(
  TrafficMirrorFilterId = NULL,
  DryRun = NULL,
  Filter = NULL,
  MaxResults = NULL,
  NextToken = NULL,
  simplify = TRUE,
  others = list(),
  print_on_error = aws_get_print_on_error(),
  retry_time = aws_get_retry_time(),
  network_timeout = aws_get_network_timeout(),
  region = aws_get_region()
)
```

Arguments

TrafficMirrorFilterId

              List. The ID of the Traffic Mirror filter.[optional]

DryRun	Logical. Checks whether you have the required permissions for the action, without actually making the request,...[optional]
Filter	Named list where the name is the filter name and the value is the filter's value. The value can be a vector or a list object (see below)[optional]
MaxResults	Integer. The maximum number of results to return with a single call.[optional]
NextToken	Characters. The token for the next page of results[optional]

simplify	Logical. Whether to simplify the result and handle `nextToken` in the response[optional]
others	Named list. The parameters that are not included in the function parameters and need to be added into the request[optional]
print_on_error	Logical. Whether to show an error message when a network error occurs.
retry_time	Integer. Number of retries for a REST request when encounter the network issue. If the request has been sent `retry_time` times but still not be able to get the response, an error will be thrown.
network_timeout	
	Numeric. Number of seconds to wait for a REST response until giving up. Can not be less than 1 ms.
region	Character. The region of the AWS service.

Value

A list object or a character vector

TrafficMirrorFilterId

The ID of the Traffic Mirror filter.

DryRun

Checks whether you have the required permissions for the action, without actually making the request, and provides an error response. If you have the required permissions, the error response is `DryRunOperation`. Otherwise, it is `UnauthorizedOperation`.

Filter

One or more filters. The possible values are:

- `description`: The Traffic Mirror filter description.

- `traffic-mirror-filter-id`: The ID of the Traffic Mirror filter.

MaxResults

The maximum number of results to return with a single call. To retrieve the remaining results, make another call with the returned `nextToken` value.

```
ec2_describe_traffic_mirror_sessions
```
Describe Traffic Mirror Sessions

Description

Describes one or more Traffic Mirror sessions. By default, all Traffic Mirror sessions are described. Alternatively, you can filter the results.

Usage

```
ec2_describe_traffic_mirror_sessions(
  TrafficMirrorSessionId = NULL,
  DryRun = NULL,
  Filter = NULL,
  MaxResults = NULL,
  NextToken = NULL,
  simplify = TRUE,
  others = list(),
  print_on_error = aws_get_print_on_error(),
  retry_time = aws_get_retry_time(),
  network_timeout = aws_get_network_timeout(),
  region = aws_get_region()
)
```

Arguments

TrafficMirrorSessionId

List. The ID of the Traffic Mirror session.[optional]

DryRun	Logical. Checks whether you have the required permissions for the action, without actually making the request,...[optional]
Filter	Named list where the name is the filter name and the value is the filter's value. The value can be a vector or a list object (see below)[optional]
MaxResults	Integer. The maximum number of results to return with a single call.[optional]
NextToken	Characters. The token for the next page of results[optional]
simplify	Logical. Whether to simplify the result and handle nextToken in the response[optional]
others	Named list. The parameters that are not included in the function parameters and need to be added into the request[optional]
print_on_error	Logical. Whether to show an error message when a network error occurs.
retry_time	Integer. Number of retries for a REST request when encounter the network issue. If the request has been sent retry_time times but still not be able to get the response, an error will be thrown.

network_timeout

Numeric. Number of seconds to wait for a REST response until giving up. Can not be less than 1 ms.

region	Character. The region of the AWS service.

Value

A list object or a character vector

TrafficMirrorSessionId

The ID of the Traffic Mirror session.

DryRun

Checks whether you have the required permissions for the action, without actually making the request, and provides an error response. If you have the required permissions, the error response is DryRunOperation. Otherwise, it is UnauthorizedOperation.

Filter

One or more filters. The possible values are:

- description: The Traffic Mirror session description.

- network-interface-id: The ID of the Traffic Mirror session network interface.

- owner-id: The ID of the account that owns the Traffic Mirror session.

- packet-length: The assigned number of packets to mirror.

- session-number: The assigned session number.

- traffic-mirror-filter-id: The ID of the Traffic Mirror filter.

- traffic-mirror-session-id: The ID of the Traffic Mirror session.

- traffic-mirror-target-id: The ID of the Traffic Mirror target.

- virtual-network-id: The virtual network ID of the Traffic Mirror session.

MaxResults

The maximum number of results to return with a single call. To retrieve the remaining results, make another call with the returned nextToken value.

---

ec2_describe_traffic_mirror_targets
Describe Traffic Mirror Targets

Description

Information about one or more Traffic Mirror targets.

Usage

```
ec2_describe_traffic_mirror_targets(
  TrafficMirrorTargetId = NULL,
  DryRun = NULL,
  Filter = NULL,
  MaxResults = NULL,
  NextToken = NULL,
  simplify = TRUE,
  others = list(),
  print_on_error = aws_get_print_on_error(),
  retry_time = aws_get_retry_time(),
  network_timeout = aws_get_network_timeout(),
  region = aws_get_region()
)
```

Arguments

TrafficMirrorTargetId

        List. The ID of the Traffic Mirror targets.[optional]

DryRun   Logical. Checks whether you have the required permissions for the action, without actually making the request,...[optional]

Filter   Named list where the name is the filter name and the value is the filter's value. The value can be a vector or a list object (see below)[optional]

MaxResults   Integer. The maximum number of results to return with a single call.[optional]

NextToken   Characters. The token for the next page of results[optional]

simplify   Logical. Whether to simplify the result and handle nextToken in the response[optional]

others   Named list. The parameters that are not included in the function parameters and need to be added into the request[optional]

print_on_error Logical. Whether to show an error message when a network error occurs.

retry_time   Integer. Number of retries for a REST request when encounter the network issue. If the request has been sent retry_time times but still not be able to get the response, an error will be thrown.

network_timeout

        Numeric. Number of seconds to wait for a REST response until giving up. Can not be less than 1 ms.

region   Character. The region of the AWS service.

Value

A list object or a character vector

TrafficMirrorTargetId

The ID of the Traffic Mirror targets.

DryRun

Checks whether you have the required permissions for the action, without actually making the request, and provides an error response. If you have the required permissions, the error response is `DryRunOperation`. Otherwise, it is `UnauthorizedOperation`.

Filter

One or more filters. The possible values are:

- `description`: The Traffic Mirror target description.
- `network-interface-id`: The ID of the Traffic Mirror session network interface.
- `network-load-balancer-arn`: The Amazon Resource Name (ARN) of the Network Load Balancer that is associated with the session.
- `owner-id`: The ID of the account that owns the Traffic Mirror session.
- `traffic-mirror-target-id`: The ID of the Traffic Mirror target.

MaxResults

The maximum number of results to return with a single call. To retrieve the remaining results, make another call with the returned `nextToken` value.

---

ec2_describe_transit_gateways

Describe Transit Gateways

Description

Describes one or more transit gateways. By default, all transit gateways are described. Alternatively, you can filter the results.

Usage

```
ec2_describe_transit_gateways(
  TransitGatewayIds = NULL,
  Filter = NULL,
  MaxResults = NULL,
  NextToken = NULL,
  DryRun = NULL,
  simplify = TRUE,
  others = list(),
  print_on_error = aws_get_print_on_error(),
  retry_time = aws_get_retry_time(),
  network_timeout = aws_get_network_timeout(),
  region = aws_get_region()
)
```

Arguments

TransitGatewayIds

         List. The IDs of the transit gateways.[optional]

Filter	Named list where the name is the filter name and the value is the filter's value. The value can be a vector or a list object (see below)[optional]
MaxResults	Integer. The maximum number of results to return with a single call.[optional]
NextToken	Characters. The token for the next page of results[optional]
DryRun	Logical. Checks whether you have the required permissions for the action, without actually making the request,...[optional]
simplify	Logical. Whether to simplify the result and handle nextToken in the response[optional]
others	Named list. The parameters that are not included in the function parameters and need to be added into the request[optional]
print_on_error	Logical. Whether to show an error message when a network error occurs.
retry_time	Integer. Number of retries for a REST request when encounter the network issue. If the request has been sent retry_time times but still not be able to get the response, an error will be thrown.

network_timeout

         Numeric. Number of seconds to wait for a REST response until giving up. Can not be less than 1 ms.

region	Character. The region of the AWS service.

Value

A list object or a character vector

TransitGatewayIds

The IDs of the transit gateways.

Filter

One or more filters. The possible values are:

- `options.propagation-default-route-table-id` - The ID of the default propagation route table.
- `options.amazon-side-asn` - The private ASN for the Amazon side of a BGP session.
- `options.association-default-route-table-id` - The ID of the default association route table.
- `options.auto-accept-shared-attachments` - Indicates whether there is automatic acceptance of attachment requests (`enable` \| `disable`).
- `options.default-route-table-association` - Indicates whether resource attachments are automatically associated with the default association route table (`enable` \| `disable`).
- `options.default-route-table-propagation` - Indicates whether resource attachments automatically propagate routes to the default propagation route table (`enable` \| `disable`).

- `options.dns-support` - Indicates whether DNS support is enabled (`enable \| disable`).

- `options.vpn-ecmp-support` - Indicates whether Equal Cost Multipath Protocol support is enabled (`enable \| disable`).

- `owner-id` - The ID of the AWS account that owns the transit gateway.

- `state` - The state of the transit gateway (`available \| deleted \| deleting \| modifying \| pending`).

- `transit-gateway-id` - The ID of the transit gateway.

MaxResults

The maximum number of results to return with a single call. To retrieve the remaining results, make another call with the returned `nextToken` value.

DryRun

Checks whether you have the required permissions for the action, without actually making the request, and provides an error response. If you have the required permissions, the error response is `DryRunOperation`. Otherwise, it is `UnauthorizedOperation`.

---

ec2_describe_transit_gateway_attachments
Describe Transit Gateway Attachments

Description

Describes one or more attachments between resources and transit gateways. By default, all attachments are described. Alternatively, you can filter the results by attachment ID, attachment state, resource ID, or resource owner.

Usage

```
ec2_describe_transit_gateway_attachments(
  TransitGatewayAttachmentIds = NULL,
  Filter = NULL,
  MaxResults = NULL,
  NextToken = NULL,
  DryRun = NULL,
  simplify = TRUE,
  others = list(),
  print_on_error = aws_get_print_on_error(),
  retry_time = aws_get_retry_time(),
  network_timeout = aws_get_network_timeout(),
  region = aws_get_region()
)
```

Arguments

TransitGatewayAttachmentIds
:   List. The IDs of the attachments.[optional]

Filter
:   Named list where the name is the filter name and the value is the filter's value. The value can be a vector or a list object (see below)[optional]

MaxResults
:   Integer. The maximum number of results to return with a single call.[optional]

NextToken
:   Characters. The token for the next page of results[optional]

DryRun
:   Logical. Checks whether you have the required permissions for the action, without actually making the request,...[optional]

simplify
:   Logical. Whether to simplify the result and handle nextToken in the response[optional]

others
:   Named list. The parameters that are not included in the function parameters and need to be added into the request[optional]

print_on_error
:   Logical. Whether to show an error message when a network error occurs.

retry_time
:   Integer. Number of retries for a REST request when encounter the network issue. If the request has been sent retry_time times but still not be able to get the response, an error will be thrown.

network_timeout
:   Numeric. Number of seconds to wait for a REST response until giving up. Can not be less than 1 ms.

region
:   Character. The region of the AWS service.

Value

A list object or a character vector

TransitGatewayAttachmentIds

The IDs of the attachments.

Filter

One or more filters. The possible values are:

- association.state - The state of the association (associating \| associated \| disassociating).
- association.transit-gateway-route-table-id - The ID of the route table for the transit gateway.
- resource-id - The ID of the resource.
- resource-owner-id - The ID of the AWS account that owns the resource.
- resource-type - The resource type. Valid values are vpc \| vpn \| direct-connect-gateway \| peering \| connect.
- state - The state of the attachment. Valid values are available \| deleted \| deleting \| failed \| failing \| initiatingRequest \| modifying \| pendingAcceptance \| pending \| rollingBack \| rejected \| rejecting.
- transit-gateway-attachment-id - The ID of the attachment.
- transit-gateway-id - The ID of the transit gateway.
- transit-gateway-owner-id - The ID of the AWS account that owns the transit gateway.

MaxResults

The maximum number of results to return with a single call. To retrieve the remaining results, make another call with the returned `nextToken` value.

DryRun

Checks whether you have the required permissions for the action, without actually making the request, and provides an error response. If you have the required permissions, the error response is `DryRunOperation`. Otherwise, it is `UnauthorizedOperation`.

---

ec2_describe_transit_gateway_connects
Describe Transit Gateway Connects

Description

Describes one or more Connect attachments.

Usage

```
ec2_describe_transit_gateway_connects(
  TransitGatewayAttachmentIds = NULL,
  Filter = NULL,
  MaxResults = NULL,
  NextToken = NULL,
  DryRun = NULL,
  simplify = TRUE,
  others = list(),
  print_on_error = aws_get_print_on_error(),
  retry_time = aws_get_retry_time(),
  network_timeout = aws_get_network_timeout(),
  region = aws_get_region()
)
```

Arguments

TransitGatewayAttachmentIds
:   List. The IDs of the attachments.[optional]

Filter
:   Named list where the name is the filter name and the value is the filter's value. The value can be a vector or a list object (see below)[optional]

MaxResults
:   Integer. The maximum number of results to return with a single call.[optional]

NextToken
:   Characters. The token for the next page of results[optional]

DryRun
:   Logical. Checks whether you have the required permissions for the action, without actually making the request,...[optional]

simplify
:   Logical. Whether to simplify the result and handle `nextToken` in the response[optional]

others   Named list. The parameters that are not included in the function parameters and
                  need to be added into the request[optional]

print_on_error   Logical. Whether to show an error message when a network error occurs.

retry_time   Integer. Number of retries for a REST request when encounter the network
                  issue. If the request has been sent retry_time times but still not be able to get
                  the response, an error will be thrown.

network_timeout

                  Numeric. Number of seconds to wait for a REST response until giving up. Can
                  not be less than 1 ms.

region   Character. The region of the AWS service.

Value

A list object or a character vector

TransitGatewayAttachmentIds

The IDs of the attachments.

Filter

One or more filters. The possible values are:

- options.protocol - The tunnel protocol (gre).

- state - The state of the attachment (initiating \| initiatingRequest \| pendingAcceptance
  \| rollingBack \| pending \| available \| modifying \| deleting \| deleted \| failed \|
  rejected \| rejecting \| failing).

- transit-gateway-attachment-id - The ID of the Connect attachment.

- transit-gateway-id - The ID of the transit gateway.

- transport-transit-gateway-attachment-id - The ID of the transit gateway attachment
  from which the Connect attachment was created.

MaxResults

The maximum number of results to return with a single call. To retrieve the remaining results, make
another call with the returned nextToken value.

DryRun

Checks whether you have the required permissions for the action, without actually making the
request, and provides an error response. If you have the required permissions, the error response is
DryRunOperation. Otherwise, it is UnauthorizedOperation.

```
ec2_describe_transit_gateway_connect_peers
```
Describe Transit Gateway Connect Peers

Description

Describes one or more Connect peers.

Usage

```
ec2_describe_transit_gateway_connect_peers(
  TransitGatewayConnectPeerIds = NULL,
  Filter = NULL,
  MaxResults = NULL,
  NextToken = NULL,
  DryRun = NULL,
  simplify = TRUE,
  others = list(),
  print_on_error = aws_get_print_on_error(),
  retry_time = aws_get_retry_time(),
  network_timeout = aws_get_network_timeout(),
  region = aws_get_region()
)
```

Arguments

TransitGatewayConnectPeerIds

> List. The IDs of the Connect peers.[optional]

Filter
> Named list where the name is the filter name and the value is the filter's value. The value can be a vector or a list object (see below)[optional]

MaxResults
> Integer. The maximum number of results to return with a single call.[optional]

NextToken
> Characters. The token for the next page of results[optional]

DryRun
> Logical. Checks whether you have the required permissions for the action, without actually making the request,...[optional]

simplify
> Logical. Whether to simplify the result and handle nextToken in the response[optional]

others
> Named list. The parameters that are not included in the function parameters and need to be added into the request[optional]

print_on_error Logical. Whether to show an error message when a network error occurs.

retry_time
> Integer. Number of retries for a REST request when encounter the network issue. If the request has been sent retry_time times but still not be able to get the response, an error will be thrown.

network_timeout

> Numeric. Number of seconds to wait for a REST response until giving up. Can not be less than 1 ms.

region
> Character. The region of the AWS service.

Value

A list object or a character vector

TransitGatewayConnectPeerIds

The IDs of the Connect peers.

Filter

One or more filters. The possible values are:

- `state` - The state of the Connect peer (pending \| `available` \| `deleting` \| `deleted`).
- `transit-gateway-attachment-id` - The ID of the attachment.
- `transit-gateway-connect-peer-id` - The ID of the Connect peer.

MaxResults

The maximum number of results to return with a single call. To retrieve the remaining results, make another call with the returned `nextToken` value.

DryRun

Checks whether you have the required permissions for the action, without actually making the request, and provides an error response. If you have the required permissions, the error response is `DryRunOperation`. Otherwise, it is `UnauthorizedOperation`.

---

ec2_describe_transit_gateway_multicast_domains
                    Describe Transit Gateway Multicast Domains

---

Description

Describes one or more transit gateway multicast domains.

Usage

```
ec2_describe_transit_gateway_multicast_domains(
  TransitGatewayMulticastDomainIds = NULL,
  Filter = NULL,
  MaxResults = NULL,
  NextToken = NULL,
  DryRun = NULL,
  simplify = TRUE,
  others = list(),
  print_on_error = aws_get_print_on_error(),
  retry_time = aws_get_retry_time(),
  network_timeout = aws_get_network_timeout(),
  region = aws_get_region()
)
```

Arguments

TransitGatewayMulticastDomainIds	List. The ID of the transit gateway multicast domain.[optional]
Filter	Named list where the name is the filter name and the value is the filter's value. The value can be a vector or a list object (see below)[optional]
MaxResults	Integer. The maximum number of results to return with a single call.[optional]
NextToken	Characters. The token for the next page of results[optional]
DryRun	Logical. Checks whether you have the required permissions for the action, without actually making the request,...[optional]
simplify	Logical. Whether to simplify the result and handle nextToken in the response[optional]
others	Named list. The parameters that are not included in the function parameters and need to be added into the request[optional]
print_on_error	Logical. Whether to show an error message when a network error occurs.
retry_time	Integer. Number of retries for a REST request when encounter the network issue. If the request has been sent retry_time times but still not be able to get the response, an error will be thrown.
network_timeout	Numeric. Number of seconds to wait for a REST response until giving up. Can not be less than 1 ms.
region	Character. The region of the AWS service.

Value

A list object or a character vector

TransitGatewayMulticastDomainIds

The ID of the transit gateway multicast domain.

Filter

One or more filters. The possible values are:

- state - The state of the transit gateway multicast domain. Valid values are pending \| available \| deleting \| deleted.
- transit-gateway-id - The ID of the transit gateway.
- transit-gateway-multicast-domain-id - The ID of the transit gateway multicast domain.

MaxResults

The maximum number of results to return with a single call. To retrieve the remaining results, make another call with the returned nextToken value.

DryRun

Checks whether you have the required permissions for the action, without actually making the request, and provides an error response. If you have the required permissions, the error response is `DryRunOperation`. Otherwise, it is `UnauthorizedOperation`.

---

ec2_describe_transit_gateway_peering_attachments
Describe Transit Gateway Peering Attachments

Description

Describes your transit gateway peering attachments.

Usage

```
ec2_describe_transit_gateway_peering_attachments(
  TransitGatewayAttachmentIds = NULL,
  Filter = NULL,
  MaxResults = NULL,
  NextToken = NULL,
  DryRun = NULL,
  simplify = TRUE,
  others = list(),
  print_on_error = aws_get_print_on_error(),
  retry_time = aws_get_retry_time(),
  network_timeout = aws_get_network_timeout(),
  region = aws_get_region()
)
```

Arguments

TransitGatewayAttachmentIds

List. One or more IDs of the transit gateway peering attachments.[optional]

Filter   Named list where the name is the filter name and the value is the filter's value. The value can be a vector or a list object (see below)[optional]

MaxResults   Integer. The maximum number of results to return with a single call.[optional]

NextToken   Characters. The token for the next page of results[optional]

DryRun   Logical. Checks whether you have the required permissions for the action, without actually making the request,...[optional]

simplify   Logical. Whether to simplify the result and handle `nextToken` in the response[optional]

others   Named list. The parameters that are not included in the function parameters and need to be added into the request[optional]

print_on_error   Logical. Whether to show an error message when a network error occurs.

retry_time	Integer. Number of retries for a REST request when encounter the network issue. If the request has been sent `retry_time` times but still not be able to get the response, an error will be thrown.
network_timeout	
	Numeric. Number of seconds to wait for a REST response until giving up. Can not be less than 1 ms.
region	Character. The region of the AWS service.

Value

A list object or a character vector

TransitGatewayAttachmentIds

One or more IDs of the transit gateway peering attachments.

Filter

One or more filters. The possible values are:

- `transit-gateway-attachment-id` - The ID of the transit gateway attachment.
- `local-owner-id` - The ID of your AWS account.
- `remote-owner-id` - The ID of the AWS account in the remote Region that owns the transit gateway.
- `state` - The state of the peering attachment. Valid values are `available` \| `deleted` \| `deleting` \| `failed` \| `failing` \| `initiatingRequest` \| `modifying` \| `pendingAcceptance` \| `pending` \| `rollingBack` \| `rejected` \| `rejecting`).
- `tag:\` - The key/value combination of a tag assigned to the resource. Use the tag key in the filter name and the tag value as the filter value. For example, to find all resources that have a tag with the key `Owner` and the value `TeamA`, specify `tag:Owner` for the filter name and `TeamA` for the filter value.
- `tag-key` - The key of a tag assigned to the resource. Use this filter to find all resources that have a tag with a specific key, regardless of the tag value.
- `transit-gateway-id` - The ID of the transit gateway.

MaxResults

The maximum number of results to return with a single call. To retrieve the remaining results, make another call with the returned `nextToken` value.

DryRun

Checks whether you have the required permissions for the action, without actually making the request, and provides an error response. If you have the required permissions, the error response is `DryRunOperation`. Otherwise, it is `UnauthorizedOperation`.

---

ec2_describe_transit_gateway_route_tables

Describe Transit Gateway Route Tables

Description

Describes one or more transit gateway route tables. By default, all transit gateway route tables are described. Alternatively, you can filter the results.

Usage

```
ec2_describe_transit_gateway_route_tables(
  TransitGatewayRouteTableIds = NULL,
  Filter = NULL,
  MaxResults = NULL,
  NextToken = NULL,
  DryRun = NULL,
  simplify = TRUE,
  others = list(),
  print_on_error = aws_get_print_on_error(),
  retry_time = aws_get_retry_time(),
  network_timeout = aws_get_network_timeout(),
  region = aws_get_region()
)
```

Arguments

TransitGatewayRouteTableIds

　　　　　　　List. The IDs of the transit gateway route tables.[optional]

Filter　　　　Named list where the name is the filter name and the value is the filter's value. The value can be a vector or a list object (see below)[optional]

MaxResults　　Integer. The maximum number of results to return with a single call.[optional]

NextToken　　Characters. The token for the next page of results[optional]

DryRun　　　Logical. Checks whether you have the required permissions for the action, without actually making the request,...[optional]

simplify　　　Logical. Whether to simplify the result and handle nextToken in the response[optional]

others　　　　Named list. The parameters that are not included in the function parameters and need to be added into the request[optional]

print_on_error Logical. Whether to show an error message when a network error occurs.

retry_time　　Integer. Number of retries for a REST request when encounter the network issue. If the request has been sent retry_time times but still not be able to get the response, an error will be thrown.

network_timeout

　　　　　　　Numeric. Number of seconds to wait for a REST response until giving up. Can not be less than 1 ms.

region　　　　Character. The region of the AWS service.

Value

A list object or a character vector

TransitGatewayRouteTableIds

The IDs of the transit gateway route tables.

Filter

One or more filters. The possible values are:

- `default-association-route-table` - Indicates whether this is the default association route table for the transit gateway (`true` \| `false`).

- `default-propagation-route-table` - Indicates whether this is the default propagation route table for the transit gateway (`true` \| `false`).

- `state` - The state of the route table (`available` \| `deleting` \| `deleted` \| `pending`).

- `transit-gateway-id` - The ID of the transit gateway.

- `transit-gateway-route-table-id` - The ID of the transit gateway route table.

MaxResults

The maximum number of results to return with a single call. To retrieve the remaining results, make another call with the returned `nextToken` value.

DryRun

Checks whether you have the required permissions for the action, without actually making the request, and provides an error response. If you have the required permissions, the error response is `DryRunOperation`. Otherwise, it is `UnauthorizedOperation`.

---

ec2_describe_transit_gateway_vpc_attachments
Describe Transit Gateway Vpc Attachments

Description

Describes one or more VPC attachments. By default, all VPC attachments are described. Alternatively, you can filter the results.

Usage

```
ec2_describe_transit_gateway_vpc_attachments(
  TransitGatewayAttachmentIds = NULL,
  Filter = NULL,
  MaxResults = NULL,
  NextToken = NULL,
  DryRun = NULL,
  simplify = TRUE,
  others = list(),
  print_on_error = aws_get_print_on_error(),
  retry_time = aws_get_retry_time(),
  network_timeout = aws_get_network_timeout(),
  region = aws_get_region()
)
```

Arguments

TransitGatewayAttachmentIds
                List. The IDs of the attachments.[optional]

Filter   Named list where the name is the filter name and the value is the filter's value.
                The value can be a vector or a list object (see below)[optional]

MaxResults   Integer. The maximum number of results to return with a single call.[optional]

NextToken   Characters. The token for the next page of results[optional]

DryRun   Logical. Checks whether you have the required permissions for the action, with-
                out actually making the request,...[optional]

simplify   Logical. Whether to simplify the result and handle nextToken in the response[optional]

others   Named list. The parameters that are not included in the function parameters and
                need to be added into the request[optional]

print_on_error Logical. Whether to show an error message when a network error occurs.

retry_time   Integer. Number of retries for a REST request when encounter the network
                issue. If the request has been sent retry_time times but still not be able to get
                the response, an error will be thrown.

network_timeout
                Numeric. Number of seconds to wait for a REST response until giving up. Can
                not be less than 1 ms.

region   Character. The region of the AWS service.

Value

A list object or a character vector

TransitGatewayAttachmentIds

The IDs of the attachments.

Filter

One or more filters. The possible values are:

- `state` - The state of the attachment. Valid values are `available` \| `deleted` \| `deleting` \| `failed` \| `failing` \| `initiatingRequest` \| `modifying` \| `pendingAcceptance` \| `pending` \| `rollingBack` \| `rejected` \| `rejecting`.

- `transit-gateway-attachment-id` - The ID of the attachment.

- `transit-gateway-id` - The ID of the transit gateway.

- `vpc-id` - The ID of the VPC.

MaxResults

The maximum number of results to return with a single call. To retrieve the remaining results, make another call with the returned `nextToken` value.

DryRun

Checks whether you have the required permissions for the action, without actually making the request, and provides an error response. If you have the required permissions, the error response is `DryRunOperation`. Otherwise, it is `UnauthorizedOperation`.

---

ec2_describe_volumes   *Describe Volumes*

Description

Describe Volumes

Usage

```
ec2_describe_volumes(
  Filter = NULL,
  VolumeId = NULL,
  DryRun = NULL,
  MaxResults = NULL,
  NextToken = NULL,
  simplify = TRUE,
  others = list(),
  print_on_error = aws_get_print_on_error(),
  retry_time = aws_get_retry_time(),
  network_timeout = aws_get_network_timeout(),
  region = aws_get_region()
)
```

Arguments

Filter	Named list where the name is the filter name and the value is the filter's value. The value can be a vector or a list object (see below)[optional]
VolumeId	List. The volume IDs.[optional]
DryRun	Logical. Checks whether you have the required permissions for the action, without actually making the request,...[optional]
MaxResults	Integer. The maximum number of volume results returned by DescribeVolumes in paginated output.[optional]
NextToken	Characters. The token for the next page of results[optional]
simplify	Logical. Whether to simplify the result and handle nextToken in the response[optional]
others	Named list. The parameters that are not included in the function parameters and need to be added into the request[optional]
print_on_error	Logical. Whether to show an error message when a network error occurs.
retry_time	Integer. Number of retries for a REST request when encounter the network issue. If the request has been sent retry_time times but still not be able to get the response, an error will be thrown.
network_timeout	
	Numeric. Number of seconds to wait for a REST response until giving up. Can not be less than 1 ms.
region	Character. The region of the AWS service.

Value

A list object or a character vector

Filter

The filters.

- attachment.attach-time - The time stamp when the attachment initiated.
- attachment.delete-on-termination - Whether the volume is deleted on instance termination.
- attachment.device - The device name specified in the block device mapping (for example, /dev/sda1).
- attachment.instance-id - The ID of the instance the volume is attached to.
- attachment.status - The attachment state (attaching \| attached \| detaching).
- availability-zone - The Availability Zone in which the volume was created.
- create-time - The time stamp when the volume was created.
- encrypted - Indicates whether the volume is encrypted (true \| false)
- multi-attach-enabled - Indicates whether the volume is enabled for Multi-Attach (true \| false)
- fast-restored - Indicates whether the volume was created from a snapshot that is enabled for fast snapshot restore (true \| false).

- `size` - The size of the volume, in GiB.

- `snapshot-id` - The snapshot from which the volume was created.

- `status` - The state of the volume (`creating` \| `available` \| `in-use` \| `deleting` \| `deleted` \| `error`).

- `tag:\` - The key/value combination of a tag assigned to the resource. Use the tag key in the filter name and the tag value as the filter value. For example, to find all resources that have a tag with the key `Owner` and the value `TeamA`, specify `tag:Owner` for the filter name and `TeamA` for the filter value.

- `tag-key` - The key of a tag assigned to the resource. Use this filter to find all resources assigned a tag with a specific key, regardless of the tag value.

- `volume-id` - The volume ID.

- `volume-type` - The Amazon EBS volume type (`gp2` \| `gp3` \| `io1` \| `io2` \| `st1` \| `sc1`\| `standard`)

VolumeId

The volume IDs.

DryRun

Checks whether you have the required permissions for the action, without actually making the request, and provides an error response. If you have the required permissions, the error response is `DryRunOperation`. Otherwise, it is `UnauthorizedOperation`.

MaxResults

The maximum number of volume results returned by `DescribeVolumes` in paginated output. When this parameter is used, `DescribeVolumes` only returns `MaxResults` results in a single page along with a `NextToken` response element. The remaining results of the initial request can be seen by sending another `DescribeVolumes` request with the returned `NextToken` value. This value can be between 5 and 500; if `MaxResults` is given a value larger than 500, only 500 results are returned. If this parameter is not used, then `DescribeVolumes` returns all results. You cannot specify this parameter and the volume IDs parameter in the same request.

---

ec2_describe_volumes_modifications
Describe Volumes Modifications

Description

Describe Volumes Modifications

Usage

```
ec2_describe_volumes_modifications(
  DryRun = NULL,
  VolumeId = NULL,
  Filter = NULL,
  NextToken = NULL,
  MaxResults = NULL,
  simplify = TRUE,
  others = list(),
  print_on_error = aws_get_print_on_error(),
  retry_time = aws_get_retry_time(),
  network_timeout = aws_get_network_timeout(),
  region = aws_get_region()
)
```

Arguments

DryRun	Logical. Checks whether you have the required permissions for the action, without actually making the request,...[optional]
VolumeId	List. The IDs of the volumes.[optional]
Filter	Named list where the name is the filter name and the value is the filter's value. The value can be a vector or a list object (see below)[optional]
NextToken	Characters. The token for the next page of results[optional]
MaxResults	Integer. The maximum number of results (up to a limit of 500) to be returned in a paginated request.[optional]
simplify	Logical. Whether to simplify the result and handle nextToken in the response[optional]
others	Named list. The parameters that are not included in the function parameters and need to be added into the request[optional]
print_on_error	Logical. Whether to show an error message when a network error occurs.
retry_time	Integer. Number of retries for a REST request when encounter the network issue. If the request has been sent retry_time times but still not be able to get the response, an error will be thrown.
network_timeout	
	Numeric. Number of seconds to wait for a REST response until giving up. Can not be less than 1 ms.
region	Character. The region of the AWS service.

Value

A list object or a character vector

DryRun

Checks whether you have the required permissions for the action, without actually making the request, and provides an error response. If you have the required permissions, the error response is DryRunOperation. Otherwise, it is UnauthorizedOperation.

VolumeId

The IDs of the volumes.

Filter

The filters.

- `modification-state` - The current modification state (modifying \| optimizing \| completed \| failed).
- `original-iops` - The original IOPS rate of the volume.
- `original-size` - The original size of the volume, in GiB.
- `original-volume-type` - The original volume type of the volume (standard \| io1 \| io2 \| gp2 \| sc1 \| st1).
- `originalMultiAttachEnabled` - Indicates whether Multi-Attach support was enabled (true \| false).
- `start-time` - The modification start time.
- `target-iops` - The target IOPS rate of the volume.
- `target-size` - The target size of the volume, in GiB.
- `target-volume-type` - The target volume type of the volume (standard \| io1 \| io2 \| gp2 \| sc1 \| st1).
- `targetMultiAttachEnabled` - Indicates whether Multi-Attach support is to be enabled (true \| false).
- `volume-id` - The ID of the volume.

MaxResults

The maximum number of results (up to a limit of 500) to be returned in a paginated request.

---

ec2_describe_volume_attribute

Describe Volume Attribute

Description

Describe Volume Attribute

Usage

```
ec2_describe_volume_attribute(
  Attribute,
  VolumeId,
  DryRun = NULL,
  simplify = TRUE,
  others = list(),
```

```
  print_on_error = aws_get_print_on_error(),
  retry_time = aws_get_retry_time(),
  network_timeout = aws_get_network_timeout(),
  region = aws_get_region()
)
```

Arguments

Attribute	Character. The attribute of the volume. This parameter is required.
VolumeId	Character. The ID of the volume.
DryRun	Logical. Checks whether you have the required permissions for the action, without actually making the request,...[optional]
simplify	Logical. Whether to simplify the result and handle nextToken in the response[optional]
others	Named list. The parameters that are not included in the function parameters and need to be added into the request[optional]
print_on_error	Logical. Whether to show an error message when a network error occurs.
retry_time	Integer. Number of retries for a REST request when encounter the network issue. If the request has been sent retry_time times but still not be able to get the response, an error will be thrown.
network_timeout	
	Numeric. Number of seconds to wait for a REST response until giving up. Can not be less than 1 ms.
region	Character. The region of the AWS service.

Value

A list object or a character vector

Attribute

The attribute of the volume. This parameter is required.

VolumeId

The ID of the volume.

DryRun

Checks whether you have the required permissions for the action, without actually making the request, and provides an error response. If you have the required permissions, the error response is DryRunOperation. Otherwise, it is UnauthorizedOperation.

---

ec2_describe_volume_status

Describe Volume Status

Description

Describe Volume Status

Usage

```
ec2_describe_volume_status(
  Filter = NULL,
  MaxResults = NULL,
  NextToken = NULL,
  VolumeId = NULL,
  DryRun = NULL,
  simplify = TRUE,
  others = list(),
  print_on_error = aws_get_print_on_error(),
  retry_time = aws_get_retry_time(),
  network_timeout = aws_get_network_timeout(),
  region = aws_get_region()
)
```

Arguments

Filter	Named list where the name is the filter name and the value is the filter's value. The value can be a vector or a list object (see below)[optional]
MaxResults	Integer. The maximum number of volume results returned by DescribeVolumeStatus in paginated output.[optional]
NextToken	Characters. The token for the next page of results[optional]
VolumeId	List. The IDs of the volumes. Default: Describes all your volumes. [optional]
DryRun	Logical. Checks whether you have the required permissions for the action, without actually making the request,...[optional]
simplify	Logical. Whether to simplify the result and handle nextToken in the response[optional]
others	Named list. The parameters that are not included in the function parameters and need to be added into the request[optional]
print_on_error	Logical. Whether to show an error message when a network error occurs.
retry_time	Integer. Number of retries for a REST request when encounter the network issue. If the request has been sent retry_time times but still not be able to get the response, an error will be thrown.
network_timeout	Numeric. Number of seconds to wait for a REST response until giving up. Can not be less than 1 ms.
region	Character. The region of the AWS service.

Value

A list object or a character vector

Filter

The filters.

- `action.code` - The action code for the event (for example, enable-volume-io).
- `action.description` - A description of the action.
- `action.event-id` - The event ID associated with the action.
- `availability-zone` - The Availability Zone of the instance.
- `event.description` - A description of the event.
- `event.event-id` - The event ID.
- `event.event-type` - The event type (for `io-enabled`: `passed` \| `failed`; for `io-performance`: `io-performance:degraded` \| `io-performance:severely-degraded` \| `io-performance:stalled`).
- `event.not-after` - The latest end time for the event.
- `event.not-before` - The earliest start time for the event.
- `volume-status.details-name` - The cause for `volume-status.status` (`io-enabled` \| `io-performance`).
- `volume-status.details-status` - The status of `volume-status.details-name` (for `io-enabled`: `passed` \| `failed`; for `io-performance`: `normal` \| `degraded` \| `severely-degraded` \| `stalled`).
- `volume-status.status` - The status of the volume (`ok` \| `impaired` \| `warning` \| `insufficient-data`).

MaxResults

The maximum number of volume results returned by `DescribeVolumeStatus` in paginated output. When this parameter is used, the request only returns `MaxResults` results in a single page along with a `NextToken` response element. The remaining results of the initial request can be seen by sending another request with the returned `NextToken` value. This value can be between 5 and 1,000; if `MaxResults` is given a value larger than 1,000, only 1,000 results are returned. If this parameter is not used, then `DescribeVolumeStatus` returns all results. You cannot specify this parameter and the volume IDs parameter in the same request.

VolumeId

The IDs of the volumes.

Default: Describes all your volumes.

DryRun

Checks whether you have the required permissions for the action, without actually making the request, and provides an error response. If you have the required permissions, the error response is `DryRunOperation`. Otherwise, it is `UnauthorizedOperation`.

---

ec2_describe_vpcs   *Describe Vpcs*

Description

Describes one or more of your VPCs.

Usage

```
ec2_describe_vpcs(
  Filter = NULL,
  VpcId = NULL,
  DryRun = NULL,
  NextToken = NULL,
  MaxResults = NULL,
  simplify = TRUE,
  others = list(),
  print_on_error = aws_get_print_on_error(),
  retry_time = aws_get_retry_time(),
  network_timeout = aws_get_network_timeout(),
  region = aws_get_region()
)
```

Arguments

Filter	Named list where the name is the filter name and the value is the filter's value. The value can be a vector or a list object (see below)[optional]
VpcId	List. One or more VPC IDs. Default: Describes all your VPCs. [optional]
DryRun	Logical. Checks whether you have the required permissions for the action, without actually making the request,...[optional]
NextToken	Characters. The token for the next page of results[optional]
MaxResults	Integer. The maximum number of results to return with a single call.[optional]
simplify	Logical. Whether to simplify the result and handle nextToken in the response[optional]
others	Named list. The parameters that are not included in the function parameters and need to be added into the request[optional]
print_on_error	Logical. Whether to show an error message when a network error occurs.
retry_time	Integer. Number of retries for a REST request when encounter the network issue. If the request has been sent retry_time times but still not be able to get the response, an error will be thrown.
network_timeout	
	Numeric. Number of seconds to wait for a REST response until giving up. Can not be less than 1 ms.
region	Character. The region of the AWS service.

Value

A list object or a character vector

Filter

One or more filters.

- `cidr` - The primary IPv4 CIDR block of the VPC. The CIDR block you specify must exactly match the VPC\'s CIDR block for information to be returned for the VPC. Must contain the slash followed by one or two digits (for example, /28).
- `cidr-block-association.cidr-block` - An IPv4 CIDR block associated with the VPC.
- `cidr-block-association.association-id` - The association ID for an IPv4 CIDR block associated with the VPC.
- `cidr-block-association.state` - The state of an IPv4 CIDR block associated with the VPC.
- `dhcp-options-id` - The ID of a set of DHCP options.
- `ipv6-cidr-block-association.ipv6-cidr-block` - An IPv6 CIDR block associated with the VPC.
- `ipv6-cidr-block-association.ipv6-pool` - The ID of the IPv6 address pool from which the IPv6 CIDR block is allocated.
- `ipv6-cidr-block-association.association-id` - The association ID for an IPv6 CIDR block associated with the VPC.
- `ipv6-cidr-block-association.state` - The state of an IPv6 CIDR block associated with the VPC.
- `isDefault` - Indicates whether the VPC is the default VPC.
- `owner-id` - The ID of the AWS account that owns the VPC.
- `state` - The state of the VPC (pending \| `available`).
- `tag:\` - The key/value combination of a tag assigned to the resource. Use the tag key in the filter name and the tag value as the filter value. For example, to find all resources that have a tag with the key `Owner` and the value `TeamA`, specify `tag:Owner` for the filter name and `TeamA` for the filter value.
- `tag-key` - The key of a tag assigned to the resource. Use this filter to find all resources assigned a tag with a specific key, regardless of the tag value.
- `vpc-id` - The ID of the VPC.

VpcId

One or more VPC IDs.

Default: Describes all your VPCs.

DryRun

Checks whether you have the required permissions for the action, without actually making the request, and provides an error response. If you have the required permissions, the error response is `DryRunOperation`. Otherwise, it is `UnauthorizedOperation`.

MaxResults

The maximum number of results to return with a single call. To retrieve the remaining results, make another call with the returned `nextToken` value.

---

ec2_describe_vpc_attribute

Describe Vpc Attribute

Description

Describes the specified attribute of the specified VPC. You can specify only one attribute at a time.

Usage

```
ec2_describe_vpc_attribute(
  Attribute,
  VpcId,
  DryRun = NULL,
  simplify = TRUE,
  others = list(),
  print_on_error = aws_get_print_on_error(),
  retry_time = aws_get_retry_time(),
  network_timeout = aws_get_network_timeout(),
  region = aws_get_region()
)
```

Arguments

Attribute	Character. The VPC attribute.
VpcId	Character. The ID of the VPC.
DryRun	Logical. Checks whether you have the required permissions for the action, without actually making the request,...[optional]
simplify	Logical. Whether to simplify the result and handle `nextToken` in the response[optional]
others	Named list. The parameters that are not included in the function parameters and need to be added into the request[optional]
print_on_error	Logical. Whether to show an error message when a network error occurs.
retry_time	Integer. Number of retries for a REST request when encounter the network issue. If the request has been sent `retry_time` times but still not be able to get the response, an error will be thrown.
network_timeout	
	Numeric. Number of seconds to wait for a REST response until giving up. Can not be less than 1 ms.
region	Character. The region of the AWS service.

Value

A list object or a character vector

Attribute

The VPC attribute.

VpcId

The ID of the VPC.

DryRun

Checks whether you have the required permissions for the action, without actually making the request, and provides an error response. If you have the required permissions, the error response is DryRunOperation. Otherwise, it is UnauthorizedOperation.

---

ec2_describe_vpc_classic_link
Describe Vpc Classic Link

Description

Describes the ClassicLink status of one or more VPCs.

Usage

```
ec2_describe_vpc_classic_link(
  Filter = NULL,
  DryRun = NULL,
  VpcId = NULL,
  simplify = TRUE,
  others = list(),
  print_on_error = aws_get_print_on_error(),
  retry_time = aws_get_retry_time(),
  network_timeout = aws_get_network_timeout(),
  region = aws_get_region()
)
```

Arguments

Filter	Named list where the name is the filter name and the value is the filter's value. The value can be a vector or a list object (see below)[optional]
DryRun	Logical. Checks whether you have the required permissions for the action, without actually making the request,...[optional]
VpcId	List. One or more VPCs for which you want to describe the ClassicLink status.[optional]

simplify	Logical. Whether to simplify the result and handle `nextToken` in the response[optional]
others	Named list. The parameters that are not included in the function parameters and need to be added into the request[optional]
print_on_error	Logical. Whether to show an error message when a network error occurs.
retry_time	Integer. Number of retries for a REST request when encounter the network issue. If the request has been sent `retry_time` times but still not be able to get the response, an error will be thrown.
network_timeout	
	Numeric. Number of seconds to wait for a REST response until giving up. Can not be less than 1 ms.
region	Character. The region of the AWS service.

Value

A list object or a character vector

Filter

One or more filters.

- `is-classic-link-enabled` - Whether the VPC is enabled for ClassicLink (`true \| false`).

- tag:\ - The key/value combination of a tag assigned to the resource. Use the tag key in the filter name and the tag value as the filter value. For example, to find all resources that have a tag with the key `Owner` and the value `TeamA`, specify `tag:Owner` for the filter name and `TeamA` for the filter value.

- `tag-key` - The key of a tag assigned to the resource. Use this filter to find all resources assigned a tag with a specific key, regardless of the tag value.

DryRun

Checks whether you have the required permissions for the action, without actually making the request, and provides an error response. If you have the required permissions, the error response is `DryRunOperation`. Otherwise, it is `UnauthorizedOperation`.

VpcId

One or more VPCs for which you want to describe the ClassicLink status.

ec2_describe_vpc_classic_link_dns_support

Describe Vpc Classic Link Dns Support

Description

Describes the ClassicLink DNS support status of one or more VPCs. If enabled, the DNS hostname of a linked EC2-Classic instance resolves to its private IP address when addressed from an instance in the VPC to which it\'s linked. Similarly, the DNS hostname of an instance in a VPC resolves to its private IP address when addressed from a linked EC2-Classic instance. For more information, see ClassicLink in the *Amazon Elastic Compute Cloud User Guide*.

Usage

```
ec2_describe_vpc_classic_link_dns_support(
  MaxResults = NULL,
  NextToken = NULL,
  VpcIds = NULL,
  simplify = TRUE,
  others = list(),
  print_on_error = aws_get_print_on_error(),
  retry_time = aws_get_retry_time(),
  network_timeout = aws_get_network_timeout(),
  region = aws_get_region()
)
```

Arguments

MaxResults	Integer. The maximum number of results to return with a single call.[optional]
NextToken	Characters. The token for the next page of results[optional]
VpcIds	List. One or more VPC IDs.[optional]
simplify	Logical. Whether to simplify the result and handle nextToken in the response[optional]
others	Named list. The parameters that are not included in the function parameters and need to be added into the request[optional]
print_on_error	Logical. Whether to show an error message when a network error occurs.
retry_time	Integer. Number of retries for a REST request when encounter the network issue. If the request has been sent retry_time times but still not be able to get the response, an error will be thrown.
network_timeout	
	Numeric. Number of seconds to wait for a REST response until giving up. Can not be less than 1 ms.
region	Character. The region of the AWS service.

Value

A list object or a character vector

MaxResults

The maximum number of results to return with a single call. To retrieve the remaining results, make another call with the returned nextToken value.

VpcIds

One or more VPC IDs.

---

ec2_describe_vpc_endpoints

Describe Vpc Endpoints

Description

Describes one or more of your VPC endpoints.

Usage

```
ec2_describe_vpc_endpoints(
  DryRun = NULL,
  VpcEndpointId = NULL,
  Filter = NULL,
  MaxResults = NULL,
  NextToken = NULL,
  simplify = TRUE,
  others = list(),
  print_on_error = aws_get_print_on_error(),
  retry_time = aws_get_retry_time(),
  network_timeout = aws_get_network_timeout(),
  region = aws_get_region()
)
```

Arguments

DryRun	Logical. Checks whether you have the required permissions for the action, without actually making the request,...[optional]
VpcEndpointId	List. One or more endpoint IDs.[optional]
Filter	Named list where the name is the filter name and the value is the filter's value. The value can be a vector or a list object (see below)[optional]
MaxResults	Integer. The maximum number of items to return for this request.[optional]
NextToken	Characters. The token for the next page of results[optional]
simplify	Logical. Whether to simplify the result and handle nextToken in the response[optional]
others	Named list. The parameters that are not included in the function parameters and need to be added into the request[optional]
print_on_error	Logical. Whether to show an error message when a network error occurs.

retry_time	Integer. Number of retries for a REST request when encounter the network issue. If the request has been sent retry_time times but still not be able to get the response, an error will be thrown.
network_timeout	
	Numeric. Number of seconds to wait for a REST response until giving up. Can not be less than 1 ms.
region	Character. The region of the AWS service.

Value

A list object or a character vector

DryRun

Checks whether you have the required permissions for the action, without actually making the request, and provides an error response. If you have the required permissions, the error response is DryRunOperation. Otherwise, it is UnauthorizedOperation.

VpcEndpointId

One or more endpoint IDs.

Filter

One or more filters.

- service-name - The name of the service.
- vpc-id - The ID of the VPC in which the endpoint resides.
- vpc-endpoint-id - The ID of the endpoint.
- vpc-endpoint-state - The state of the endpoint (pendingAcceptance \| pending \| available \| deleting \| deleted \| rejected \| failed).
- vpc-endpoint-type - The type of VPC endpoint (Interface \| Gateway \| GatewayLoadBalancer).
- tag:\ - The key/value combination of a tag assigned to the resource. Use the tag key in the filter name and the tag value as the filter value. For example, to find all resources that have a tag with the key Owner and the value TeamA, specify tag:Owner for the filter name and TeamA for the filter value.
- tag-key - The key of a tag assigned to the resource. Use this filter to find all resources assigned a tag with a specific key, regardless of the tag value.

MaxResults

The maximum number of items to return for this request. The request returns a token that you can specify in a subsequent call to get the next set of results.

Constraint: If the value is greater than 1,000, we return only 1,000 items.

ec2_describe_vpc_endpoint_connections

Describe Vpc Endpoint Connections

Description

Describes the VPC endpoint connections to your VPC endpoint services, including any endpoints that are pending your acceptance.

Usage

```
ec2_describe_vpc_endpoint_connections(
  DryRun = NULL,
  Filter = NULL,
  MaxResults = NULL,
  NextToken = NULL,
  simplify = TRUE,
  others = list(),
  print_on_error = aws_get_print_on_error(),
  retry_time = aws_get_retry_time(),
  network_timeout = aws_get_network_timeout(),
  region = aws_get_region()
)
```

Arguments

DryRun	Logical. Checks whether you have the required permissions for the action, without actually making the request,...[optional]
Filter	Named list where the name is the filter name and the value is the filter's value. The value can be a vector or a list object (see below)[optional]
MaxResults	Integer. The maximum number of results to return for the request in a single page.[optional]
NextToken	Characters. The token for the next page of results[optional]
simplify	Logical. Whether to simplify the result and handle nextToken in the response[optional]
others	Named list. The parameters that are not included in the function parameters and need to be added into the request[optional]
print_on_error	Logical. Whether to show an error message when a network error occurs.
retry_time	Integer. Number of retries for a REST request when encounter the network issue. If the request has been sent retry_time times but still not be able to get the response, an error will be thrown.
network_timeout	
	Numeric. Number of seconds to wait for a REST response until giving up. Can not be less than 1 ms.
region	Character. The region of the AWS service.

Value

A list object or a character vector

DryRun

Checks whether you have the required permissions for the action, without actually making the request, and provides an error response. If you have the required permissions, the error response is `DryRunOperation`. Otherwise, it is `UnauthorizedOperation`.

Filter

One or more filters.

- `service-id` - The ID of the service.
- `vpc-endpoint-owner` - The AWS account number of the owner of the endpoint.
- `vpc-endpoint-state` - The state of the endpoint (`pendingAcceptance` \| `pending` \| `available` \| `deleting` \| `deleted` \| `rejected` \| `failed`).
- `vpc-endpoint-id` - The ID of the endpoint.

MaxResults

The maximum number of results to return for the request in a single page. The remaining results of the initial request can be seen by sending another request with the returned `NextToken` value. This value can be between 5 and 1,000; if `MaxResults` is given a value larger than 1,000, only 1,000 results are returned.

---

ec2_describe_vpc_endpoint_connection_notifications
Describe Vpc Endpoint Connection Notifications

Description

Describes the connection notifications for VPC endpoints and VPC endpoint services.

Usage

```
ec2_describe_vpc_endpoint_connection_notifications(
  DryRun = NULL,
  ConnectionNotificationId = NULL,
  Filter = NULL,
  MaxResults = NULL,
  NextToken = NULL,
  simplify = TRUE,
  others = list(),
  print_on_error = aws_get_print_on_error(),
  retry_time = aws_get_retry_time(),
```

```
    network_timeout = aws_get_network_timeout(),
    region = aws_get_region()
)
```

Arguments

DryRun	Logical. Checks whether you have the required permissions for the action, without actually making the request,...[optional]
ConnectionNotificationId	
	Character. The ID of the notification.[optional]
Filter	Named list where the name is the filter name and the value is the filter's value. The value can be a vector or a list object (see below)[optional]
MaxResults	Integer. The maximum number of results to return in a single call.[optional]
NextToken	Characters. The token for the next page of results[optional]
simplify	Logical. Whether to simplify the result and handle nextToken in the response[optional]
others	Named list. The parameters that are not included in the function parameters and need to be added into the request[optional]
print_on_error	Logical. Whether to show an error message when a network error occurs.
retry_time	Integer. Number of retries for a REST request when encounter the network issue. If the request has been sent retry_time times but still not be able to get the response, an error will be thrown.
network_timeout	
	Numeric. Number of seconds to wait for a REST response until giving up. Can not be less than 1 ms.
region	Character. The region of the AWS service.

Value

A list object or a character vector

DryRun

Checks whether you have the required permissions for the action, without actually making the request, and provides an error response. If you have the required permissions, the error response is DryRunOperation. Otherwise, it is UnauthorizedOperation.

ConnectionNotificationId

The ID of the notification.

Filter

One or more filters.

- connection-notification-arn - The ARN of the SNS topic for the notification.
- connection-notification-id - The ID of the notification.

- connection-notification-state - The state of the notification (Enabled \| Disabled).
- connection-notification-type - The type of notification (Topic).
- service-id - The ID of the endpoint service.
- vpc-endpoint-id - The ID of the VPC endpoint.

MaxResults

The maximum number of results to return in a single call. To retrieve the remaining results, make another request with the returned NextToken value.

---

ec2_describe_vpc_endpoint_services

Describe Vpc Endpoint Services

Description

Describe Vpc Endpoint Services

Usage

```
ec2_describe_vpc_endpoint_services(
  DryRun = NULL,
  ServiceName = NULL,
  Filter = NULL,
  MaxResults = NULL,
  NextToken = NULL,
  simplify = TRUE,
  others = list(),
  print_on_error = aws_get_print_on_error(),
  retry_time = aws_get_retry_time(),
  network_timeout = aws_get_network_timeout(),
  region = aws_get_region()
)
```

Arguments

DryRun	Logical. Checks whether you have the required permissions for the action, without actually making the request,...[optional]
ServiceName	List. One or more service names.[optional]
Filter	Named list where the name is the filter name and the value is the filter's value. The value can be a vector or a list object (see below)[optional]
MaxResults	Integer. The maximum number of items to return for this request.[optional]
NextToken	Characters. The token for the next page of results[optional]
simplify	Logical. Whether to simplify the result and handle nextToken in the response[optional]

others	Named list. The parameters that are not included in the function parameters and need to be added into the request[optional]
print_on_error	Logical. Whether to show an error message when a network error occurs.
retry_time	Integer. Number of retries for a REST request when encounter the network issue. If the request has been sent `retry_time` times but still not be able to get the response, an error will be thrown.
network_timeout	
	Numeric. Number of seconds to wait for a REST response until giving up. Can not be less than 1 ms.
region	Character. The region of the AWS service.

Value

A list object or a character vector

DryRun

Checks whether you have the required permissions for the action, without actually making the request, and provides an error response. If you have the required permissions, the error response is `DryRunOperation`. Otherwise, it is `UnauthorizedOperation`.

ServiceName

One or more service names.

Filter

One or more filters.

- `service-name` - The name of the service.
- `service-type` - The type of service (`Interface` \| `Gateway`).
- `tag:\` - The key/value combination of a tag assigned to the resource. Use the tag key in the filter name and the tag value as the filter value. For example, to find all resources that have a tag with the key `Owner` and the value `TeamA`, specify `tag:Owner` for the filter name and `TeamA` for the filter value.
- `tag-key` - The key of a tag assigned to the resource. Use this filter to find all resources assigned a tag with a specific key, regardless of the tag value.

MaxResults

The maximum number of items to return for this request. The request returns a token that you can specify in a subsequent call to get the next set of results.

Constraint: If the value is greater than 1,000, we return only 1,000 items.

ec2_describe_vpc_endpoint_service_configurations

Describe Vpc Endpoint Service Configurations

Description

Describes the VPC endpoint service configurations in your account (your services).

Usage

```
ec2_describe_vpc_endpoint_service_configurations(
  DryRun = NULL,
  ServiceId = NULL,
  Filter = NULL,
  MaxResults = NULL,
  NextToken = NULL,
  simplify = TRUE,
  others = list(),
  print_on_error = aws_get_print_on_error(),
  retry_time = aws_get_retry_time(),
  network_timeout = aws_get_network_timeout(),
  region = aws_get_region()
)
```

Arguments

DryRun	Logical. Checks whether you have the required permissions for the action, without actually making the request,...[optional]
ServiceId	List. The IDs of one or more services.[optional]
Filter	Named list where the name is the filter name and the value is the filter's value. The value can be a vector or a list object (see below)[optional]
MaxResults	Integer. The maximum number of results to return for the request in a single page.[optional]
NextToken	Characters. The token for the next page of results[optional]
simplify	Logical. Whether to simplify the result and handle nextToken in the response[optional]
others	Named list. The parameters that are not included in the function parameters and need to be added into the request[optional]
print_on_error	Logical. Whether to show an error message when a network error occurs.
retry_time	Integer. Number of retries for a REST request when encounter the network issue. If the request has been sent retry_time times but still not be able to get the response, an error will be thrown.
network_timeout	Numeric. Number of seconds to wait for a REST response until giving up. Can not be less than 1 ms.
region	Character. The region of the AWS service.

Value

A list object or a character vector

DryRun

Checks whether you have the required permissions for the action, without actually making the request, and provides an error response. If you have the required permissions, the error response is `DryRunOperation`. Otherwise, it is `UnauthorizedOperation`.

ServiceId

The IDs of one or more services.

Filter

One or more filters.

- `service-name` - The name of the service.
- `service-id` - The ID of the service.
- `service-state` - The state of the service (Pending \| Available \| Deleting \| Deleted \| Failed).
- `tag:\` - The key/value combination of a tag assigned to the resource. Use the tag key in the filter name and the tag value as the filter value. For example, to find all resources that have a tag with the key `Owner` and the value `TeamA`, specify `tag:Owner` for the filter name and `TeamA` for the filter value.
- `tag-key` - The key of a tag assigned to the resource. Use this filter to find all resources assigned a tag with a specific key, regardless of the tag value.

MaxResults

The maximum number of results to return for the request in a single page. The remaining results of the initial request can be seen by sending another request with the returned `NextToken` value. This value can be between 5 and 1,000; if `MaxResults` is given a value larger than 1,000, only 1,000 results are returned.

---

ec2_describe_vpc_endpoint_service_permissions
Describe Vpc Endpoint Service Permissions

Description

Describes the principals (service consumers) that are permitted to discover your VPC endpoint service.

Usage

```
ec2_describe_vpc_endpoint_service_permissions(
  ServiceId,
  DryRun = NULL,
  Filter = NULL,
  MaxResults = NULL,
  NextToken = NULL,
  simplify = TRUE,
  others = list(),
  print_on_error = aws_get_print_on_error(),
  retry_time = aws_get_retry_time(),
  network_timeout = aws_get_network_timeout(),
  region = aws_get_region()
)
```

Arguments

ServiceId	Character. The ID of the service.
DryRun	Logical. Checks whether you have the required permissions for the action, without actually making the request,...[optional]
Filter	Named list where the name is the filter name and the value is the filter's value. The value can be a vector or a list object (see below)[optional]
MaxResults	Integer. The maximum number of results to return for the request in a single page.[optional]
NextToken	Characters. The token for the next page of results[optional]
simplify	Logical. Whether to simplify the result and handle nextToken in the response[optional]
others	Named list. The parameters that are not included in the function parameters and need to be added into the request[optional]
print_on_error	Logical. Whether to show an error message when a network error occurs.
retry_time	Integer. Number of retries for a REST request when encounter the network issue. If the request has been sent retry_time times but still not be able to get the response, an error will be thrown.
network_timeout	
	Numeric. Number of seconds to wait for a REST response until giving up. Can not be less than 1 ms.
region	Character. The region of the AWS service.

Value

A list object or a character vector

ServiceId

The ID of the service.

DryRun

Checks whether you have the required permissions for the action, without actually making the request, and provides an error response. If you have the required permissions, the error response is `DryRunOperation`. Otherwise, it is `UnauthorizedOperation`.

Filter

One or more filters.

- `principal` - The ARN of the principal.
- `principal-type` - The principal type (`All \| Service \| OrganizationUnit \| Account \| User \| Role`).

MaxResults

The maximum number of results to return for the request in a single page. The remaining results of the initial request can be seen by sending another request with the returned `NextToken` value. This value can be between 5 and 1,000; if `MaxResults` is given a value larger than 1,000, only 1,000 results are returned.

---

ec2_describe_vpc_peering_connections

Describe Vpc Peering Connections

Description

Describes one or more of your VPC peering connections.

Usage

```
ec2_describe_vpc_peering_connections(
  Filter = NULL,
  DryRun = NULL,
  VpcPeeringConnectionId = NULL,
  NextToken = NULL,
  MaxResults = NULL,
  simplify = TRUE,
  others = list(),
  print_on_error = aws_get_print_on_error(),
  retry_time = aws_get_retry_time(),
  network_timeout = aws_get_network_timeout(),
  region = aws_get_region()
)
```

Arguments

Filter	Named list where the name is the filter name and the value is the filter's value. The value can be a vector or a list object (see below)[optional]
DryRun	Logical. Checks whether you have the required permissions for the action, without actually making the request,...[optional]
VpcPeeringConnectionId	
	List. One or more VPC peering connection IDs. Default: Describes all your VPC peering connections. [optional]
NextToken	Characters. The token for the next page of results[optional]
MaxResults	Integer. The maximum number of results to return with a single call.[optional]
simplify	Logical. Whether to simplify the result and handle nextToken in the response[optional]
others	Named list. The parameters that are not included in the function parameters and need to be added into the request[optional]
print_on_error	Logical. Whether to show an error message when a network error occurs.
retry_time	Integer. Number of retries for a REST request when encounter the network issue. If the request has been sent retry_time times but still not be able to get the response, an error will be thrown.
network_timeout	
	Numeric. Number of seconds to wait for a REST response until giving up. Can not be less than 1 ms.
region	Character. The region of the AWS service.

Value

A list object or a character vector

Filter

One or more filters.

- accepter-vpc-info.cidr-block - The IPv4 CIDR block of the accepter VPC.

- accepter-vpc-info.owner-id - The AWS account ID of the owner of the accepter VPC.

- accepter-vpc-info.vpc-id - The ID of the accepter VPC.

- expiration-time - The expiration date and time for the VPC peering connection.

- requester-vpc-info.cidr-block - The IPv4 CIDR block of the requester's VPC.

- requester-vpc-info.owner-id - The AWS account ID of the owner of the requester VPC.

- requester-vpc-info.vpc-id - The ID of the requester VPC.

- status-code - The status of the VPC peering connection (pending-acceptance \| failed \| expired \| provisioning \| active \| deleting \| deleted \| rejected).

- status-message - A message that provides more information about the status of the VPC peering connection, if applicable.

- tag:\ - The key/value combination of a tag assigned to the resource. Use the tag key in the filter name and the tag value as the filter value. For example, to find all resources that have a tag with the key `Owner` and the value `TeamA`, specify `tag:Owner` for the filter name and `TeamA` for the filter value.

- `tag-key` - The key of a tag assigned to the resource. Use this filter to find all resources assigned a tag with a specific key, regardless of the tag value.

- `vpc-peering-connection-id` - The ID of the VPC peering connection.

DryRun

Checks whether you have the required permissions for the action, without actually making the request, and provides an error response. If you have the required permissions, the error response is `DryRunOperation`. Otherwise, it is `UnauthorizedOperation`.

VpcPeeringConnectionId

One or more VPC peering connection IDs.

Default: Describes all your VPC peering connections.

MaxResults

The maximum number of results to return with a single call. To retrieve the remaining results, make another call with the returned `nextToken` value.

---

ec2_describe_vpn_connections
Describe Vpn Connections

Description

Describe Vpn Connections

Usage

```
ec2_describe_vpn_connections(
  Filter = NULL,
  VpnConnectionId = NULL,
  DryRun = NULL,
  simplify = TRUE,
  others = list(),
  print_on_error = aws_get_print_on_error(),
  retry_time = aws_get_retry_time(),
  network_timeout = aws_get_network_timeout(),
  region = aws_get_region()
)
```

Arguments

`Filter`	Named list where the name is the filter name and the value is the filter's value. The value can be a vector or a list object (see below)[optional]
`VpnConnectionId`	List. One or more VPN connection IDs. Default: Describes your VPN connections. [optional]
`DryRun`	Logical. Checks whether you have the required permissions for the action, without actually making the request,...[optional]
`simplify`	Logical. Whether to simplify the result and handle `nextToken` in the response[optional]
`others`	Named list. The parameters that are not included in the function parameters and need to be added into the request[optional]
`print_on_error`	Logical. Whether to show an error message when a network error occurs.
`retry_time`	Integer. Number of retries for a REST request when encounter the network issue. If the request has been sent `retry_time` times but still not be able to get the response, an error will be thrown.
`network_timeout`	Numeric. Number of seconds to wait for a REST response until giving up. Can not be less than 1 ms.
`region`	Character. The region of the AWS service.

Value

A list object or a character vector

Filter

One or more filters.

- `customer-gateway-configuration` - The configuration information for the customer gateway.

- `customer-gateway-id` - The ID of a customer gateway associated with the VPN connection.

- `state` - The state of the VPN connection (pending \| `available` \| `deleting` \| `deleted`).

- `option.static-routes-only` - Indicates whether the connection has static routes only. Used for devices that do not support Border Gateway Protocol (BGP).

- `route.destination-cidr-block` - The destination CIDR block. This corresponds to the subnet used in a customer data center.

- `bgp-asn` - The BGP Autonomous System Number (ASN) associated with a BGP device.

- `tag:\` - The key/value combination of a tag assigned to the resource. Use the tag key in the filter name and the tag value as the filter value. For example, to find all resources that have a tag with the key `Owner` and the value `TeamA`, specify `tag:Owner` for the filter name and `TeamA` for the filter value.

- `tag-key` - The key of a tag assigned to the resource. Use this filter to find all resources assigned a tag with a specific key, regardless of the tag value.

- `type` - The type of VPN connection. Currently the only supported type is `ipsec.1`.

- `vpn-connection-id` - The ID of the VPN connection.
- `vpn-gateway-id` - The ID of a virtual private gateway associated with the VPN connection.
- `transit-gateway-id` - The ID of a transit gateway associated with the VPN connection.

VpnConnectionId

One or more VPN connection IDs.

Default: Describes your VPN connections.

DryRun

Checks whether you have the required permissions for the action, without actually making the request, and provides an error response. If you have the required permissions, the error response is `DryRunOperation`. Otherwise, it is `UnauthorizedOperation`.

---

ec2_describe_vpn_gateways

Describe Vpn Gateways

Description

Describe Vpn Gateways

Usage

```
ec2_describe_vpn_gateways(
  Filter = NULL,
  VpnGatewayId = NULL,
  DryRun = NULL,
  simplify = TRUE,
  others = list(),
  print_on_error = aws_get_print_on_error(),
  retry_time = aws_get_retry_time(),
  network_timeout = aws_get_network_timeout(),
  region = aws_get_region()
)
```

Arguments

Filter	Named list where the name is the filter name and the value is the filter's value. The value can be a vector or a list object (see below)[optional]
VpnGatewayId	List. One or more virtual private gateway IDs. Default: Describes all your virtual private gateways. [optional]
DryRun	Logical. Checks whether you have the required permissions for the action, without actually making the request,...[optional]
simplify	Logical. Whether to simplify the result and handle `nextToken` in the response[optional]

others	Named list. The parameters that are not included in the function parameters and need to be added into the request[optional]
print_on_error	Logical. Whether to show an error message when a network error occurs.
retry_time	Integer. Number of retries for a REST request when encounter the network issue. If the request has been sent `retry_time` times but still not be able to get the response, an error will be thrown.
network_timeout	
	Numeric. Number of seconds to wait for a REST response until giving up. Can not be less than 1 ms.
region	Character. The region of the AWS service.

Value

A list object or a character vector

Filter

One or more filters.

- `amazon-side-asn` - The Autonomous System Number (ASN) for the Amazon side of the gateway.
- `attachment.state` - The current state of the attachment between the gateway and the VPC (attaching \| attached \| detaching \| detached).
- `attachment.vpc-id` - The ID of an attached VPC.
- `availability-zone` - The Availability Zone for the virtual private gateway (if applicable).
- `state` - The state of the virtual private gateway (pending \| available \| deleting \| deleted).
- `tag:\` - The key/value combination of a tag assigned to the resource. Use the tag key in the filter name and the tag value as the filter value. For example, to find all resources that have a tag with the key Owner and the value TeamA, specify `tag:Owner` for the filter name and TeamA for the filter value.
- `tag-key` - The key of a tag assigned to the resource. Use this filter to find all resources assigned a tag with a specific key, regardless of the tag value.
- `type` - The type of virtual private gateway. Currently the only supported type is ipsec.1.
- `vpn-gateway-id` - The ID of the virtual private gateway.

VpnGatewayId

One or more virtual private gateway IDs.

Default: Describes all your virtual private gateways.

DryRun

Checks whether you have the required permissions for the action, without actually making the request, and provides an error response. If you have the required permissions, the error response is `DryRunOperation`. Otherwise, it is `UnauthorizedOperation`.

---

ec2_detach_classic_link_vpc
Detach Classic Link Vpc

Description

Unlinks (detaches) a linked EC2-Classic instance from a VPC. After the instance has been unlinked, the VPC security groups are no longer associated with it. An instance is automatically unlinked from a VPC when it\'s stopped.

Usage

```
ec2_detach_classic_link_vpc(
  InstanceId,
  VpcId,
  DryRun = NULL,
  simplify = TRUE,
  others = list(),
  print_on_error = aws_get_print_on_error(),
  retry_time = aws_get_retry_time(),
  network_timeout = aws_get_network_timeout(),
  region = aws_get_region()
)
```

Arguments

InstanceId	Character. The ID of the instance to unlink from the VPC.
VpcId	Character. The ID of the VPC to which the instance is linked.
DryRun	Logical. Checks whether you have the required permissions for the action, without actually making the request,...[optional]
simplify	Logical. Whether to simplify the result and handle nextToken in the response[optional]
others	Named list. The parameters that are not included in the function parameters and need to be added into the request[optional]
print_on_error	Logical. Whether to show an error message when a network error occurs.
retry_time	Integer. Number of retries for a REST request when encounter the network issue. If the request has been sent retry_time times but still not be able to get the response, an error will be thrown.
network_timeout	
	Numeric. Number of seconds to wait for a REST response until giving up. Can not be less than 1 ms.
region	Character. The region of the AWS service.

Value

A list object or a character vector

InstanceId

The ID of the instance to unlink from the VPC.

VpcId

The ID of the VPC to which the instance is linked.

DryRun

Checks whether you have the required permissions for the action, without actually making the request, and provides an error response. If you have the required permissions, the error response is DryRunOperation. Otherwise, it is UnauthorizedOperation.

---

ec2_detach_internet_gateway

Detach Internet Gateway

Description

Detaches an internet gateway from a VPC, disabling connectivity between the internet and the VPC. The VPC must not contain any running instances with Elastic IP addresses or public IPv4 addresses.

Usage

```
ec2_detach_internet_gateway(
  InternetGatewayId,
  VpcId,
  DryRun = NULL,
  simplify = TRUE,
  others = list(),
  print_on_error = aws_get_print_on_error(),
  retry_time = aws_get_retry_time(),
  network_timeout = aws_get_network_timeout(),
  region = aws_get_region()
)
```

Arguments

InternetGatewayId

Character. The ID of the internet gateway.

VpcId   Character. The ID of the VPC.

DryRun   Logical. Checks whether you have the required permissions for the action, without actually making the request,...[optional]

simplify   Logical. Whether to simplify the result and handle nextToken in the response[optional]

others   Named list. The parameters that are not included in the function parameters and need to be added into the request[optional]

print_on_error	Logical. Whether to show an error message when a network error occurs.
retry_time	Integer. Number of retries for a REST request when encounter the network issue. If the request has been sent retry_time times but still not be able to get the response, an error will be thrown.
network_timeout	
	Numeric. Number of seconds to wait for a REST response until giving up. Can not be less than 1 ms.
region	Character. The region of the AWS service.

Value

A list object or a character vector

InternetGatewayId

The ID of the internet gateway.

VpcId

The ID of the VPC.

DryRun

Checks whether you have the required permissions for the action, without actually making the request, and provides an error response. If you have the required permissions, the error response is DryRunOperation. Otherwise, it is UnauthorizedOperation.

---

ec2_detach_network_interface

Detach Network Interface

Description

Detaches a network interface from an instance.

Usage

```
ec2_detach_network_interface(
  AttachmentId,
  DryRun = NULL,
  Force = NULL,
  simplify = TRUE,
  others = list(),
  print_on_error = aws_get_print_on_error(),
  retry_time = aws_get_retry_time(),
  network_timeout = aws_get_network_timeout(),
  region = aws_get_region()
)
```

Arguments

AttachmentId	Character. The ID of the attachment.
DryRun	Logical. Checks whether you have the required permissions for the action, without actually making the request,...[optional]
Force	Logical. Specifies whether to force a detachment.[optional]
simplify	Logical. Whether to simplify the result and handle nextToken in the response[optional]
others	Named list. The parameters that are not included in the function parameters and need to be added into the request[optional]
print_on_error	Logical. Whether to show an error message when a network error occurs.
retry_time	Integer. Number of retries for a REST request when encounter the network issue. If the request has been sent retry_time times but still not be able to get the response, an error will be thrown.
network_timeout	Numeric. Number of seconds to wait for a REST response until giving up. Can not be less than 1 ms.
region	Character. The region of the AWS service.

Value

A list object or a character vector

AttachmentId

The ID of the attachment.

DryRun

Checks whether you have the required permissions for the action, without actually making the request, and provides an error response. If you have the required permissions, the error response is DryRunOperation. Otherwise, it is UnauthorizedOperation.

Force

Specifies whether to force a detachment.

- Use the Force parameter only as a last resort to detach a network interface from a failed instance.

- If you use the Force parameter to detach a network interface, you might not be able to attach a different network interface to the same index on the instance without first stopping and starting the instance.

- If you force the detachment of a network interface, the instance metadata might not get updated. This means that the attributes associated with the detached network interface might still be visible. The instance metadata will get updated when you stop and start the instance.

---

ec2_detach_volume   *Detach Volume*

Description

Detach Volume

Usage

```
ec2_detach_volume(
  VolumeId,
  Device = NULL,
  Force = NULL,
  InstanceId = NULL,
  DryRun = NULL,
  simplify = TRUE,
  others = list(),
  print_on_error = aws_get_print_on_error(),
  retry_time = aws_get_retry_time(),
  network_timeout = aws_get_network_timeout(),
  region = aws_get_region()
)
```

Arguments

VolumeId	Character. The ID of the volume.
Device	Character. The device name.[optional]
Force	Logical. Forces detachment if the previous detachment attempt did not occur cleanly (for example, logging into an instance, unmounting the volume, and detaching normally)....[optional]
InstanceId	Character. The ID of the instance.[optional]
DryRun	Logical. Checks whether you have the required permissions for the action, without actually making the request,...[optional]
simplify	Logical. Whether to simplify the result and handle nextToken in the response[optional]
others	Named list. The parameters that are not included in the function parameters and need to be added into the request[optional]
print_on_error	Logical. Whether to show an error message when a network error occurs.
retry_time	Integer. Number of retries for a REST request when encounter the network issue. If the request has been sent retry_time times but still not be able to get the response, an error will be thrown.
network_timeout	Numeric. Number of seconds to wait for a REST response until giving up. Can not be less than 1 ms.
region	Character. The region of the AWS service.

Value

A list object or a character vector

VolumeId

The ID of the volume.

Device

The device name.

Force

Forces detachment if the previous detachment attempt did not occur cleanly (for example, logging into an instance, unmounting the volume, and detaching normally). This option can lead to data loss or a corrupted file system. Use this option only as a last resort to detach a volume from a failed instance. The instance won\'t have an opportunity to flush file system caches or file system metadata. If you use this option, you must perform file system check and repair procedures.

InstanceId

The ID of the instance. If you are detaching a Multi-Attach enabled volume, you must specify an instance ID.

DryRun

Checks whether you have the required permissions for the action, without actually making the request, and provides an error response. If you have the required permissions, the error response is `DryRunOperation`. Otherwise, it is `UnauthorizedOperation`.

---

ec2_detach_vpn_gateway

Detach Vpn Gateway

Description

Detach Vpn Gateway

Usage

```
ec2_detach_vpn_gateway(
  VpcId,
  VpnGatewayId,
  DryRun = NULL,
  simplify = TRUE,
  others = list(),
  print_on_error = aws_get_print_on_error(),
```

```
    retry_time = aws_get_retry_time(),
    network_timeout = aws_get_network_timeout(),
    region = aws_get_region()
)
```

Arguments

VpcId	Character. The ID of the VPC.
VpnGatewayId	Character. The ID of the virtual private gateway.
DryRun	Logical. Checks whether you have the required permissions for the action, without actually making the request,...[optional]
simplify	Logical. Whether to simplify the result and handle nextToken in the response[optional]
others	Named list. The parameters that are not included in the function parameters and need to be added into the request[optional]
print_on_error	Logical. Whether to show an error message when a network error occurs.
retry_time	Integer. Number of retries for a REST request when encounter the network issue. If the request has been sent retry_time times but still not be able to get the response, an error will be thrown.
network_timeout	
	Numeric. Number of seconds to wait for a REST response until giving up. Can not be less than 1 ms.
region	Character. The region of the AWS service.

Value

A list object or a character vector

VpcId

The ID of the VPC.

VpnGatewayId

The ID of the virtual private gateway.

DryRun

Checks whether you have the required permissions for the action, without actually making the request, and provides an error response. If you have the required permissions, the error response is DryRunOperation. Otherwise, it is UnauthorizedOperation.

---

ec2_disable_ebs_encryption_by_default

Disable Ebs Encryption By Default

Description

Disable Ebs Encryption By Default

Usage

```
ec2_disable_ebs_encryption_by_default(
  DryRun = NULL,
  simplify = TRUE,
  others = list(),
  print_on_error = aws_get_print_on_error(),
  retry_time = aws_get_retry_time(),
  network_timeout = aws_get_network_timeout(),
  region = aws_get_region()
)
```

Arguments

DryRun	Logical. Checks whether you have the required permissions for the action, without actually making the request,...[optional]
simplify	Logical. Whether to simplify the result and handle nextToken in the response[optional]
others	Named list. The parameters that are not included in the function parameters and need to be added into the request[optional]
print_on_error	Logical. Whether to show an error message when a network error occurs.
retry_time	Integer. Number of retries for a REST request when encounter the network issue. If the request has been sent retry_time times but still not be able to get the response, an error will be thrown.
network_timeout	
	Numeric. Number of seconds to wait for a REST response until giving up. Can not be less than 1 ms.
region	Character. The region of the AWS service.

Value

A list object or a character vector

DryRun

Checks whether you have the required permissions for the action, without actually making the request, and provides an error response. If you have the required permissions, the error response is DryRunOperation. Otherwise, it is UnauthorizedOperation.

ec2_disable_fast_snapshot_restores

Disable Fast Snapshot Restores

Description

Disables fast snapshot restores for the specified snapshots in the specified Availability Zones.

Usage

```
ec2_disable_fast_snapshot_restores(
  AvailabilityZone,
  SourceSnapshotId,
  DryRun = NULL,
  simplify = TRUE,
  others = list(),
  print_on_error = aws_get_print_on_error(),
  retry_time = aws_get_retry_time(),
  network_timeout = aws_get_network_timeout(),
  region = aws_get_region()
)
```

Arguments

AvailabilityZone

List. One or more Availability Zones. For example, us-east-2a.

SourceSnapshotId

List. The IDs of one or more snapshots. For example, snap-1234567890abcdef0.

DryRun   Logical. Checks whether you have the required permissions for the action, without actually making the request,...[optional]

simplify   Logical. Whether to simplify the result and handle nextToken in the response[optional]

others   Named list. The parameters that are not included in the function parameters and need to be added into the request[optional]

print_on_error Logical. Whether to show an error message when a network error occurs.

retry_time   Integer. Number of retries for a REST request when encounter the network issue. If the request has been sent retry_time times but still not be able to get the response, an error will be thrown.

network_timeout

Numeric. Number of seconds to wait for a REST response until giving up. Can not be less than 1 ms.

region   Character. The region of the AWS service.

Value

A list object or a character vector

AvailabilityZone

>   One or more Availability Zones. For example, us-east-2a.

SourceSnapshotId

>   The IDs of one or more snapshots. For example, snap-1234567890abcdef0.

DryRun

>   Checks whether you have the required permissions for the action, without actually making the
>   request, and provides an error response. If you have the required permissions, the error response is
>   `DryRunOperation`. Otherwise, it is `UnauthorizedOperation`.

---

ec2_disable_transit_gateway_route_table_propagation
Disable Transit Gateway Route Table Propagation

Description

>   Disables the specified resource attachment from propagating routes to the specified propagation
>   route table.

Usage

```
ec2_disable_transit_gateway_route_table_propagation(
  TransitGatewayRouteTableId,
  TransitGatewayAttachmentId,
  DryRun = NULL,
  simplify = TRUE,
  others = list(),
  print_on_error = aws_get_print_on_error(),
  retry_time = aws_get_retry_time(),
  network_timeout = aws_get_network_timeout(),
  region = aws_get_region()
)
```

Arguments

TransitGatewayRouteTableId

>   Character. The ID of the propagation route table.

TransitGatewayAttachmentId

>   Character. The ID of the attachment.

DryRun
>   Logical. Checks whether you have the required permissions for the action, with-
>   out actually making the request,...[optional]

simplify
>   Logical. Whether to simplify the result and handle `nextToken` in the response[optional]

others	Named list. The parameters that are not included in the function parameters and need to be added into the request[optional]
print_on_error	Logical. Whether to show an error message when a network error occurs.
retry_time	Integer. Number of retries for a REST request when encounter the network issue. If the request has been sent `retry_time` times but still not be able to get the response, an error will be thrown.
network_timeout	
	Numeric. Number of seconds to wait for a REST response until giving up. Can not be less than 1 ms.
region	Character. The region of the AWS service.

Value

A list object or a character vector

TransitGatewayRouteTableId

The ID of the propagation route table.

TransitGatewayAttachmentId

The ID of the attachment.

DryRun

Checks whether you have the required permissions for the action, without actually making the request, and provides an error response. If you have the required permissions, the error response is `DryRunOperation`. Otherwise, it is `UnauthorizedOperation`.

---

ec2_disable_vgw_route_propagation
Disable Vgw Route Propagation

Description

Disables a virtual private gateway (VGW) from propagating routes to a specified route table of a VPC.

Usage

```
ec2_disable_vgw_route_propagation(
  GatewayId,
  RouteTableId,
  DryRun = NULL,
  simplify = TRUE,
  others = list(),
  print_on_error = aws_get_print_on_error(),
```

```
    retry_time = aws_get_retry_time(),
    network_timeout = aws_get_network_timeout(),
    region = aws_get_region()
)
```

Arguments

GatewayId	Character. The ID of the virtual private gateway.
RouteTableId	Character. The ID of the route table.
DryRun	Logical. Checks whether you have the required permissions for the action, without actually making the request,...[optional]
simplify	Logical. Whether to simplify the result and handle nextToken in the response[optional]
others	Named list. The parameters that are not included in the function parameters and need to be added into the request[optional]
print_on_error	Logical. Whether to show an error message when a network error occurs.
retry_time	Integer. Number of retries for a REST request when encounter the network issue. If the request has been sent retry_time times but still not be able to get the response, an error will be thrown.
network_timeout	
	Numeric. Number of seconds to wait for a REST response until giving up. Can not be less than 1 ms.
region	Character. The region of the AWS service.

Value

A list object or a character vector

GatewayId

The ID of the virtual private gateway.

RouteTableId

The ID of the route table.

DryRun

Checks whether you have the required permissions for the action, without actually making the request, and provides an error response. If you have the required permissions, the error response is DryRunOperation. Otherwise, it is UnauthorizedOperation.

```
ec2_disable_vpc_classic_link
```
Disable Vpc Classic Link

Description

Disables ClassicLink for a VPC. You cannot disable ClassicLink for a VPC that has EC2-Classic instances linked to it.

Usage

```
ec2_disable_vpc_classic_link(
  VpcId,
  DryRun = NULL,
  simplify = TRUE,
  others = list(),
  print_on_error = aws_get_print_on_error(),
  retry_time = aws_get_retry_time(),
  network_timeout = aws_get_network_timeout(),
  region = aws_get_region()
)
```

Arguments

VpcId	Character. The ID of the VPC.
DryRun	Logical. Checks whether you have the required permissions for the action, without actually making the request,...[optional]
simplify	Logical. Whether to simplify the result and handle nextToken in the response[optional]
others	Named list. The parameters that are not included in the function parameters and need to be added into the request[optional]
print_on_error	Logical. Whether to show an error message when a network error occurs.
retry_time	Integer. Number of retries for a REST request when encounter the network issue. If the request has been sent retry_time times but still not be able to get the response, an error will be thrown.
network_timeout	
	Numeric. Number of seconds to wait for a REST response until giving up. Can not be less than 1 ms.
region	Character. The region of the AWS service.

Value

A list object or a character vector

VpcId

The ID of the VPC.

DryRun

Checks whether you have the required permissions for the action, without actually making the request, and provides an error response. If you have the required permissions, the error response is DryRunOperation. Otherwise, it is UnauthorizedOperation.

---

ec2_disable_vpc_classic_link_dns_support
Disable Vpc Classic Link Dns Support

Description

Disable Vpc Classic Link Dns Support

Usage

```
ec2_disable_vpc_classic_link_dns_support(
  VpcId = NULL,
  simplify = TRUE,
  others = list(),
  print_on_error = aws_get_print_on_error(),
  retry_time = aws_get_retry_time(),
  network_timeout = aws_get_network_timeout(),
  region = aws_get_region()
)
```

Arguments

VpcId	Character. The ID of the VPC.[optional]
simplify	Logical. Whether to simplify the result and handle nextToken in the response[optional]
others	Named list. The parameters that are not included in the function parameters and need to be added into the request[optional]
print_on_error	Logical. Whether to show an error message when a network error occurs.
retry_time	Integer. Number of retries for a REST request when encounter the network issue. If the request has been sent retry_time times but still not be able to get the response, an error will be thrown.
network_timeout	
	Numeric. Number of seconds to wait for a REST response until giving up. Can not be less than 1 ms.
region	Character. The region of the AWS service.

Value

A list object or a character vector

VpcId

The ID of the VPC.

ec2_disassociate_address

Disassociate Address

Description

Disassociate Address

Usage

```
ec2_disassociate_address(
  AssociationId = NULL,
  PublicIp = NULL,
  DryRun = NULL,
  simplify = TRUE,
  others = list(),
  print_on_error = aws_get_print_on_error(),
  retry_time = aws_get_retry_time(),
  network_timeout = aws_get_network_timeout(),
  region = aws_get_region()
)
```

Arguments

AssociationId	Character. [EC2-VPC] The association ID. Required for EC2-VPC.[optional]
PublicIp	Character. [EC2-Classic] The Elastic IP address. Required for EC2-Classic.[optional]
DryRun	Logical. Checks whether you have the required permissions for the action, without actually making the request,...[optional]
simplify	Logical. Whether to simplify the result and handle nextToken in the response[optional]
others	Named list. The parameters that are not included in the function parameters and need to be added into the request[optional]
print_on_error	Logical. Whether to show an error message when a network error occurs.
retry_time	Integer. Number of retries for a REST request when encounter the network issue. If the request has been sent retry_time times but still not be able to get the response, an error will be thrown.
network_timeout	
	Numeric. Number of seconds to wait for a REST response until giving up. Can not be less than 1 ms.
region	Character. The region of the AWS service.

Value

A list object or a character vector

AssociationId

[EC2-VPC] The association ID. Required for EC2-VPC.

PublicIp

[EC2-Classic] The Elastic IP address. Required for EC2-Classic.

DryRun

Checks whether you have the required permissions for the action, without actually making the request, and provides an error response. If you have the required permissions, the error response is DryRunOperation. Otherwise, it is UnauthorizedOperation.

---

ec2_disassociate_client_vpn_target_network
Disassociate Client Vpn Target Network

Description

Disassociate Client Vpn Target Network

Usage

```
ec2_disassociate_client_vpn_target_network(
  ClientVpnEndpointId,
  AssociationId,
  DryRun = NULL,
  simplify = TRUE,
  others = list(),
  print_on_error = aws_get_print_on_error(),
  retry_time = aws_get_retry_time(),
  network_timeout = aws_get_network_timeout(),
  region = aws_get_region()
)
```

Arguments

ClientVpnEndpointId

> Character. The ID of the Client VPN endpoint from which to disassociate the target network.

AssociationId   Character. The ID of the target network association.

DryRun   Logical. Checks whether you have the required permissions for the action, without actually making the request,...[optional]

simplify   Logical. Whether to simplify the result and handle nextToken in the response[optional]

others   Named list. The parameters that are not included in the function parameters and need to be added into the request[optional]

print_on_error	Logical. Whether to show an error message when a network error occurs.
retry_time	Integer. Number of retries for a REST request when encounter the network issue. If the request has been sent retry_time times but still not be able to get the response, an error will be thrown.
network_timeout	
	Numeric. Number of seconds to wait for a REST response until giving up. Can not be less than 1 ms.
region	Character. The region of the AWS service.

Value

A list object or a character vector

ClientVpnEndpointId

The ID of the Client VPN endpoint from which to disassociate the target network.

AssociationId

The ID of the target network association.

DryRun

Checks whether you have the required permissions for the action, without actually making the request, and provides an error response. If you have the required permissions, the error response is DryRunOperation. Otherwise, it is UnauthorizedOperation.

---

ec2_disassociate_enclave_certificate_iam_role
Disassociate Enclave Certificate Iam Role

Description

Disassociates an IAM role from an AWS Certificate Manager (ACM) certificate. Disassociating an IAM role from an ACM certificate removes the Amazon S3 object that contains the certificate, certificate chain, and encrypted private key from the Amazon S3 bucket. It also revokes the IAM role\'s permission to use the AWS Key Management Service (KMS) customer master key (CMK) used to encrypt the private key. This effectively revokes the role\'s permission to use the certificate.

Usage

```
ec2_disassociate_enclave_certificate_iam_role(
  CertificateArn = NULL,
  RoleArn = NULL,
  DryRun = NULL,
  simplify = TRUE,
  others = list(),
```

```
  print_on_error = aws_get_print_on_error(),
  retry_time = aws_get_retry_time(),
  network_timeout = aws_get_network_timeout(),
  region = aws_get_region()
)
```

Arguments

CertificateArn	Character. The ARN of the ACM certificate from which to disassociate the IAM role.[optional]
RoleArn	Character. The ARN of the IAM role to disassociate.[optional]
DryRun	Logical. Checks whether you have the required permissions for the action, without actually making the request,...[optional]
simplify	Logical. Whether to simplify the result and handle nextToken in the response[optional]
others	Named list. The parameters that are not included in the function parameters and need to be added into the request[optional]
print_on_error	Logical. Whether to show an error message when a network error occurs.
retry_time	Integer. Number of retries for a REST request when encounter the network issue. If the request has been sent retry_time times but still not be able to get the response, an error will be thrown.
network_timeout	
	Numeric. Number of seconds to wait for a REST response until giving up. Can not be less than 1 ms.
region	Character. The region of the AWS service.

Value

A list object or a character vector

CertificateArn

The ARN of the ACM certificate from which to disassociate the IAM role.

RoleArn

The ARN of the IAM role to disassociate.

DryRun

Checks whether you have the required permissions for the action, without actually making the request, and provides an error response. If you have the required permissions, the error response is DryRunOperation. Otherwise, it is UnauthorizedOperation.

ec2_disassociate_iam_instance_profile

Disassociate Iam Instance Profile

Description

Disassociate Iam Instance Profile

Usage

```
ec2_disassociate_iam_instance_profile(
  AssociationId,
  simplify = TRUE,
  others = list(),
  print_on_error = aws_get_print_on_error(),
  retry_time = aws_get_retry_time(),
  network_timeout = aws_get_network_timeout(),
  region = aws_get_region()
)
```

Arguments

AssociationId	Character. The ID of the IAM instance profile association.
simplify	Logical. Whether to simplify the result and handle nextToken in the response[optional]
others	Named list. The parameters that are not included in the function parameters and need to be added into the request[optional]
print_on_error	Logical. Whether to show an error message when a network error occurs.
retry_time	Integer. Number of retries for a REST request when encounter the network issue. If the request has been sent retry_time times but still not be able to get the response, an error will be thrown.
network_timeout	Numeric. Number of seconds to wait for a REST response until giving up. Can not be less than 1 ms.
region	Character. The region of the AWS service.

Value

A list object or a character vector

AssociationId

The ID of the IAM instance profile association.

ec2_disassociate_route_table

Disassociate Route Table

Description

Disassociate Route Table

Usage

```
ec2_disassociate_route_table(
  AssociationId,
  DryRun = NULL,
  simplify = TRUE,
  others = list(),
  print_on_error = aws_get_print_on_error(),
  retry_time = aws_get_retry_time(),
  network_timeout = aws_get_network_timeout(),
  region = aws_get_region()
)
```

Arguments

AssociationId	Character. The association ID representing the current association between the route table and subnet or gateway....
DryRun	Logical. Checks whether you have the required permissions for the action, without actually making the request,...[optional]
simplify	Logical. Whether to simplify the result and handle nextToken in the response[optional]
others	Named list. The parameters that are not included in the function parameters and need to be added into the request[optional]
print_on_error	Logical. Whether to show an error message when a network error occurs.
retry_time	Integer. Number of retries for a REST request when encounter the network issue. If the request has been sent retry_time times but still not be able to get the response, an error will be thrown.
network_timeout	
	Numeric. Number of seconds to wait for a REST response until giving up. Can not be less than 1 ms.
region	Character. The region of the AWS service.

Value

A list object or a character vector

AssociationId

The association ID representing the current association between the route table and subnet or gateway.

DryRun

Checks whether you have the required permissions for the action, without actually making the request, and provides an error response. If you have the required permissions, the error response is DryRunOperation. Otherwise, it is UnauthorizedOperation.

---

ec2_disassociate_subnet_cidr_block

Disassociate Subnet Cidr Block

Description

Disassociates a CIDR block from a subnet. Currently, you can disassociate an IPv6 CIDR block only. You must detach or delete all gateways and resources that are associated with the CIDR block before you can disassociate it.

Usage

```
ec2_disassociate_subnet_cidr_block(
  AssociationId,
  simplify = TRUE,
  others = list(),
  print_on_error = aws_get_print_on_error(),
  retry_time = aws_get_retry_time(),
  network_timeout = aws_get_network_timeout(),
  region = aws_get_region()
)
```

Arguments

AssociationId	Character. The association ID for the CIDR block.
simplify	Logical. Whether to simplify the result and handle nextToken in the response[optional]
others	Named list. The parameters that are not included in the function parameters and need to be added into the request[optional]
print_on_error	Logical. Whether to show an error message when a network error occurs.
retry_time	Integer. Number of retries for a REST request when encounter the network issue. If the request has been sent retry_time times but still not be able to get the response, an error will be thrown.
network_timeout	
	Numeric. Number of seconds to wait for a REST response until giving up. Can not be less than 1 ms.
region	Character. The region of the AWS service.

Value

A list object or a character vector

AssociationId

The association ID for the CIDR block.

---

ec2_disassociate_transit_gateway_multicast_domain
Disassociate Transit Gateway Multicast Domain

Description

Disassociates the specified subnets from the transit gateway multicast domain.

Usage

```
ec2_disassociate_transit_gateway_multicast_domain(
  TransitGatewayMulticastDomainId = NULL,
  TransitGatewayAttachmentId = NULL,
  SubnetIds = NULL,
  DryRun = NULL,
  simplify = TRUE,
  others = list(),
  print_on_error = aws_get_print_on_error(),
  retry_time = aws_get_retry_time(),
  network_timeout = aws_get_network_timeout(),
  region = aws_get_region()
)
```

Arguments

TransitGatewayMulticastDomainId
                Character. The ID of the transit gateway multicast domain.[optional]
TransitGatewayAttachmentId
                Character. The ID of the attachment.[optional]
SubnetIds   List. The IDs of the subnets;[optional]
DryRun   Logical. Checks whether you have the required permissions for the action, with-
                out actually making the request,...[optional]
simplify   Logical. Whether to simplify the result and handle nextToken in the response[optional]
others   Named list. The parameters that are not included in the function parameters and
                need to be added into the request[optional]
print_on_error Logical. Whether to show an error message when a network error occurs.
retry_time   Integer. Number of retries for a REST request when encounter the network
                issue. If the request has been sent retry_time times but still not be able to get
                the response, an error will be thrown.
network_timeout
                Numeric. Number of seconds to wait for a REST response until giving up. Can
                not be less than 1 ms.
region   Character. The region of the AWS service.

Value

A list object or a character vector

TransitGatewayMulticastDomainId

The ID of the transit gateway multicast domain.

TransitGatewayAttachmentId

The ID of the attachment.

SubnetIds

The IDs of the subnets;

DryRun

Checks whether you have the required permissions for the action, without actually making the request, and provides an error response. If you have the required permissions, the error response is `DryRunOperation`. Otherwise, it is `UnauthorizedOperation`.

---

ec2_disassociate_transit_gateway_route_table
Disassociate Transit Gateway Route Table

Description

Disassociates a resource attachment from a transit gateway route table.

Usage

```
ec2_disassociate_transit_gateway_route_table(
  TransitGatewayRouteTableId,
  TransitGatewayAttachmentId,
  DryRun = NULL,
  simplify = TRUE,
  others = list(),
  print_on_error = aws_get_print_on_error(),
  retry_time = aws_get_retry_time(),
  network_timeout = aws_get_network_timeout(),
  region = aws_get_region()
)
```

Arguments

TransitGatewayRouteTableId

    Character. The ID of the transit gateway route table.

TransitGatewayAttachmentId

    Character. The ID of the attachment.

DryRun   Logical. Checks whether you have the required permissions for the action, without actually making the request,...[optional]

simplify   Logical. Whether to simplify the result and handle nextToken in the response[optional]

others   Named list. The parameters that are not included in the function parameters and need to be added into the request[optional]

print_on_error Logical. Whether to show an error message when a network error occurs.

retry_time   Integer. Number of retries for a REST request when encounter the network issue. If the request has been sent retry_time times but still not be able to get the response, an error will be thrown.

network_timeout

    Numeric. Number of seconds to wait for a REST response until giving up. Can not be less than 1 ms.

region   Character. The region of the AWS service.

Value

A list object or a character vector

TransitGatewayRouteTableId

The ID of the transit gateway route table.

TransitGatewayAttachmentId

The ID of the attachment.

DryRun

Checks whether you have the required permissions for the action, without actually making the request, and provides an error response. If you have the required permissions, the error response is DryRunOperation. Otherwise, it is UnauthorizedOperation.

ec2_disassociate_vpc_cidr_block

Disassociate Vpc Cidr Block

Description

Disassociate Vpc Cidr Block

Usage

```
ec2_disassociate_vpc_cidr_block(
  AssociationId,
  simplify = TRUE,
  others = list(),
  print_on_error = aws_get_print_on_error(),
  retry_time = aws_get_retry_time(),
  network_timeout = aws_get_network_timeout(),
  region = aws_get_region()
)
```

Arguments

AssociationId	Character. The association ID for the CIDR block.
simplify	Logical. Whether to simplify the result and handle nextToken in the response[optional]
others	Named list. The parameters that are not included in the function parameters and need to be added into the request[optional]
print_on_error	Logical. Whether to show an error message when a network error occurs.
retry_time	Integer. Number of retries for a REST request when encounter the network issue. If the request has been sent retry_time times but still not be able to get the response, an error will be thrown.
network_timeout	Numeric. Number of seconds to wait for a REST response until giving up. Can not be less than 1 ms.
region	Character. The region of the AWS service.

Value

A list object or a character vector

AssociationId

The association ID for the CIDR block.

ec2_enable_ebs_encryption_by_default

Enable Ebs Encryption By Default

Description

Enable Ebs Encryption By Default

Usage

```
ec2_enable_ebs_encryption_by_default(
  DryRun = NULL,
  simplify = TRUE,
  others = list(),
  print_on_error = aws_get_print_on_error(),
  retry_time = aws_get_retry_time(),
  network_timeout = aws_get_network_timeout(),
  region = aws_get_region()
)
```

Arguments

DryRun	Logical. Checks whether you have the required permissions for the action, without actually making the request,...[optional]
simplify	Logical. Whether to simplify the result and handle nextToken in the response[optional]
others	Named list. The parameters that are not included in the function parameters and need to be added into the request[optional]
print_on_error	Logical. Whether to show an error message when a network error occurs.
retry_time	Integer. Number of retries for a REST request when encounter the network issue. If the request has been sent retry_time times but still not be able to get the response, an error will be thrown.
network_timeout	
	Numeric. Number of seconds to wait for a REST response until giving up. Can not be less than 1 ms.
region	Character. The region of the AWS service.

Value

A list object or a character vector

DryRun

Checks whether you have the required permissions for the action, without actually making the request, and provides an error response. If you have the required permissions, the error response is DryRunOperation. Otherwise, it is UnauthorizedOperation.

```
ec2_enable_fast_snapshot_restores
```
Enable Fast Snapshot Restores

Description

Enable Fast Snapshot Restores

Usage

```
ec2_enable_fast_snapshot_restores(
  AvailabilityZone,
  SourceSnapshotId,
  DryRun = NULL,
  simplify = TRUE,
  others = list(),
  print_on_error = aws_get_print_on_error(),
  retry_time = aws_get_retry_time(),
  network_timeout = aws_get_network_timeout(),
  region = aws_get_region()
)
```

Arguments

AvailabilityZone

　　　　　　　List. One or more Availability Zones. For example, us-east-2a.

SourceSnapshotId

　　　　　　　List. The IDs of one or more snapshots.

DryRun   Logical. Checks whether you have the required permissions for the action, with-
                out actually making the request,...[optional]

simplify   Logical. Whether to simplify the result and handle nextToken in the response[optional]

others   Named list. The parameters that are not included in the function parameters and
                need to be added into the request[optional]

print_on_error Logical. Whether to show an error message when a network error occurs.

retry_time   Integer. Number of retries for a REST request when encounter the network
                issue. If the request has been sent retry_time times but still not be able to get
                the response, an error will be thrown.

network_timeout

　　　　　　　Numeric. Number of seconds to wait for a REST response until giving up. Can
                not be less than 1 ms.

region   Character. The region of the AWS service.

Value

A list object or a character vector

AvailabilityZone

One or more Availability Zones. For example, us-east-2a.

SourceSnapshotId

The IDs of one or more snapshots. For example, snap-1234567890abcdef0. You can specify a snapshot that was shared with you from another AWS account.

DryRun

Checks whether you have the required permissions for the action, without actually making the request, and provides an error response. If you have the required permissions, the error response is DryRunOperation. Otherwise, it is UnauthorizedOperation.

---

ec2_enable_transit_gateway_route_table_propagation
Enable Transit Gateway Route Table Propagation

Description

Enables the specified attachment to propagate routes to the specified propagation route table.

Usage

```
ec2_enable_transit_gateway_route_table_propagation(
  TransitGatewayRouteTableId,
  TransitGatewayAttachmentId,
  DryRun = NULL,
  simplify = TRUE,
  others = list(),
  print_on_error = aws_get_print_on_error(),
  retry_time = aws_get_retry_time(),
  network_timeout = aws_get_network_timeout(),
  region = aws_get_region()
)
```

Arguments

TransitGatewayRouteTableId
                Character. The ID of the propagation route table.
TransitGatewayAttachmentId
                Character. The ID of the attachment.
DryRun   Logical. Checks whether you have the required permissions for the action, with-
                out actually making the request,...[optional]
simplify   Logical. Whether to simplify the result and handle nextToken in the response[optional]

others	Named list. The parameters that are not included in the function parameters and need to be added into the request[optional]
print_on_error	Logical. Whether to show an error message when a network error occurs.
retry_time	Integer. Number of retries for a REST request when encounter the network issue. If the request has been sent retry_time times but still not be able to get the response, an error will be thrown.
network_timeout	
	Numeric. Number of seconds to wait for a REST response until giving up. Can not be less than 1 ms.
region	Character. The region of the AWS service.

Value

A list object or a character vector

TransitGatewayRouteTableId

The ID of the propagation route table.

TransitGatewayAttachmentId

The ID of the attachment.

DryRun

Checks whether you have the required permissions for the action, without actually making the request, and provides an error response. If you have the required permissions, the error response is DryRunOperation. Otherwise, it is UnauthorizedOperation.

---

ec2_enable_vgw_route_propagation

Enable Vgw Route Propagation

Description

Enables a virtual private gateway (VGW) to propagate routes to the specified route table of a VPC.

Usage

```
ec2_enable_vgw_route_propagation(
  GatewayId,
  RouteTableId,
  DryRun = NULL,
  simplify = TRUE,
  others = list(),
  print_on_error = aws_get_print_on_error(),
  retry_time = aws_get_retry_time(),
```

```
    network_timeout = aws_get_network_timeout(),
    region = aws_get_region()
)
```

Arguments

GatewayId	Character. The ID of the virtual private gateway that is attached to a VPC.
RouteTableId	Character. The ID of the route table.
DryRun	Logical. Checks whether you have the required permissions for the action, without actually making the request,...[optional]
simplify	Logical. Whether to simplify the result and handle nextToken in the response[optional]
others	Named list. The parameters that are not included in the function parameters and need to be added into the request[optional]
print_on_error	Logical. Whether to show an error message when a network error occurs.
retry_time	Integer. Number of retries for a REST request when encounter the network issue. If the request has been sent retry_time times but still not be able to get the response, an error will be thrown.
network_timeout	
	Numeric. Number of seconds to wait for a REST response until giving up. Can not be less than 1 ms.
region	Character. The region of the AWS service.

Value

A list object or a character vector

GatewayId

The ID of the virtual private gateway that is attached to a VPC. The virtual private gateway must be attached to the same VPC that the routing tables are associated with.

RouteTableId

The ID of the route table. The routing table must be associated with the same VPC that the virtual private gateway is attached to.

DryRun

Checks whether you have the required permissions for the action, without actually making the request, and provides an error response. If you have the required permissions, the error response is DryRunOperation. Otherwise, it is UnauthorizedOperation.

---

ec2_enable_volume_io   *Enable Volume IO*

Description

Enables I/O operations for a volume that had I/O operations disabled because the data on the volume
was potentially inconsistent.

Usage

```
ec2_enable_volume_io(
  VolumeId,
  DryRun = NULL,
  simplify = TRUE,
  others = list(),
  print_on_error = aws_get_print_on_error(),
  retry_time = aws_get_retry_time(),
  network_timeout = aws_get_network_timeout(),
  region = aws_get_region()
)
```

Arguments

VolumeId	Character. The ID of the volume.
DryRun	Logical. Checks whether you have the required permissions for the action, without actually making the request,...[optional]
simplify	Logical. Whether to simplify the result and handle nextToken in the response[optional]
others	Named list. The parameters that are not included in the function parameters and need to be added into the request[optional]
print_on_error	Logical. Whether to show an error message when a network error occurs.
retry_time	Integer. Number of retries for a REST request when encounter the network issue. If the request has been sent retry_time times but still not be able to get the response, an error will be thrown.
network_timeout	
	Numeric. Number of seconds to wait for a REST response until giving up. Can not be less than 1 ms.
region	Character. The region of the AWS service.

Value

A list object or a character vector

VolumeId

The ID of the volume.

DryRun

Checks whether you have the required permissions for the action, without actually making the request, and provides an error response. If you have the required permissions, the error response is `DryRunOperation`. Otherwise, it is `UnauthorizedOperation`.

---

ec2_enable_vpc_classic_link

Enable Vpc Classic Link

Description

Enables a VPC for ClassicLink. You can then link EC2-Classic instances to your ClassicLink-enabled VPC to allow communication over private IP addresses. You cannot enable your VPC for ClassicLink if any of your VPC route tables have existing routes for address ranges within the 10.0.0.0/8 IP address range, excluding local routes for VPCs in the 10.0.0.0/16 and 10.1.0.0/16 IP address ranges. For more information, see ClassicLink in the *Amazon Elastic Compute Cloud User Guide*.

Usage

```
ec2_enable_vpc_classic_link(
  VpcId,
  DryRun = NULL,
  simplify = TRUE,
  others = list(),
  print_on_error = aws_get_print_on_error(),
  retry_time = aws_get_retry_time(),
  network_timeout = aws_get_network_timeout(),
  region = aws_get_region()
)
```

Arguments

VpcId	Character. The ID of the VPC.
DryRun	Logical. Checks whether you have the required permissions for the action, without actually making the request,...[optional]
simplify	Logical. Whether to simplify the result and handle `nextToken` in the response[optional]
others	Named list. The parameters that are not included in the function parameters and need to be added into the request[optional]
print_on_error	Logical. Whether to show an error message when a network error occurs.
retry_time	Integer. Number of retries for a REST request when encounter the network issue. If the request has been sent `retry_time` times but still not be able to get the response, an error will be thrown.
network_timeout	
	Numeric. Number of seconds to wait for a REST response until giving up. Can not be less than 1 ms.
region	Character. The region of the AWS service.

Value

A list object or a character vector

VpcId

The ID of the VPC.

DryRun

Checks whether you have the required permissions for the action, without actually making the request, and provides an error response. If you have the required permissions, the error response is DryRunOperation. Otherwise, it is UnauthorizedOperation.

---

ec2_enable_vpc_classic_link_dns_support
Enable Vpc Classic Link Dns Support

Description

Enable Vpc Classic Link Dns Support

Usage

```
ec2_enable_vpc_classic_link_dns_support(
  VpcId = NULL,
  simplify = TRUE,
  others = list(),
  print_on_error = aws_get_print_on_error(),
  retry_time = aws_get_retry_time(),
  network_timeout = aws_get_network_timeout(),
  region = aws_get_region()
)
```

Arguments

VpcId	Character. The ID of the VPC.[optional]
simplify	Logical. Whether to simplify the result and handle nextToken in the response[optional]
others	Named list. The parameters that are not included in the function parameters and need to be added into the request[optional]
print_on_error	Logical. Whether to show an error message when a network error occurs.
retry_time	Integer. Number of retries for a REST request when encounter the network issue. If the request has been sent retry_time times but still not be able to get the response, an error will be thrown.
network_timeout	Numeric. Number of seconds to wait for a REST response until giving up. Can not be less than 1 ms.
region	Character. The region of the AWS service.

Value

A list object or a character vector

VpcId

The ID of the VPC.

---

ec2_export_client_vpn_client_certificate_revocation_list
Export Client Vpn Client Certificate Revocation List

Description

Downloads the client certificate revocation list for the specified Client VPN endpoint.

Usage

```
ec2_export_client_vpn_client_certificate_revocation_list(
  ClientVpnEndpointId,
  DryRun = NULL,
  simplify = TRUE,
  others = list(),
  print_on_error = aws_get_print_on_error(),
  retry_time = aws_get_retry_time(),
  network_timeout = aws_get_network_timeout(),
  region = aws_get_region()
)
```

Arguments

ClientVpnEndpointId

> Character. The ID of the Client VPN endpoint.

DryRun   Logical. Checks whether you have the required permissions for the action, with-
                 out actually making the request,...[optional]

simplify   Logical. Whether to simplify the result and handle nextToken in the response[optional]

others   Named list. The parameters that are not included in the function parameters and
                 need to be added into the request[optional]

print_on_error   Logical. Whether to show an error message when a network error occurs.

retry_time   Integer. Number of retries for a REST request when encounter the network
                 issue. If the request has been sent retry_time times but still not be able to get
                 the response, an error will be thrown.

network_timeout

> Numeric. Number of seconds to wait for a REST response until giving up. Can
> not be less than 1 ms.

region   Character. The region of the AWS service.

Value

A list object or a character vector

ClientVpnEndpointId

The ID of the Client VPN endpoint.

DryRun

Checks whether you have the required permissions for the action, without actually making the request, and provides an error response. If you have the required permissions, the error response is `DryRunOperation`. Otherwise, it is `UnauthorizedOperation`.

---

ec2_export_client_vpn_client_configuration
Export Client Vpn Client Configuration

Description

Downloads the contents of the Client VPN endpoint configuration file for the specified Client VPN endpoint. The Client VPN endpoint configuration file includes the Client VPN endpoint and certificate information clients need to establish a connection with the Client VPN endpoint.

Usage

```
ec2_export_client_vpn_client_configuration(
  ClientVpnEndpointId,
  DryRun = NULL,
  simplify = TRUE,
  others = list(),
  print_on_error = aws_get_print_on_error(),
  retry_time = aws_get_retry_time(),
  network_timeout = aws_get_network_timeout(),
  region = aws_get_region()
)
```

Arguments

ClientVpnEndpointId

                Character. The ID of the Client VPN endpoint.

DryRun   Logical. Checks whether you have the required permissions for the action, without actually making the request,...[optional]

simplify   Logical. Whether to simplify the result and handle nextToken in the response[optional]

others   Named list. The parameters that are not included in the function parameters and need to be added into the request[optional]

print_on_error Logical. Whether to show an error message when a network error occurs.

retry_time   Integer. Number of retries for a REST request when encounter the network
                 issue. If the request has been sent `retry_time` times but still not be able to get
                 the response, an error will be thrown.

network_timeout

                 Numeric. Number of seconds to wait for a REST response until giving up. Can
                 not be less than 1 ms.

region   Character. The region of the AWS service.

Value

A list object or a character vector

ClientVpnEndpointId

The ID of the Client VPN endpoint.

DryRun

Checks whether you have the required permissions for the action, without actually making the
request, and provides an error response. If you have the required permissions, the error response is
`DryRunOperation`. Otherwise, it is `UnauthorizedOperation`.

---

ec2_export_image   *Export Image*

Description

Exports an Amazon Machine Image (AMI) to a VM file. For more information, see Exporting a
VM Directory from an Amazon Machine Image (AMI) in the *VM Import/Export User Guide*.

Usage

```
ec2_export_image(
  DiskImageFormat,
  ImageId,
  S3ExportLocation,
  ClientToken = NULL,
  Description = NULL,
  DryRun = NULL,
  RoleName = NULL,
  TagSpecification = NULL,
  simplify = TRUE,
  others = list(),
  print_on_error = aws_get_print_on_error(),
  retry_time = aws_get_retry_time(),
  network_timeout = aws_get_network_timeout(),
  region = aws_get_region()
)
```

Arguments

DiskImageFormat
:   Character. The disk image format.

ImageId
:   Character. The ID of the image.

S3ExportLocation
:   Object. Information about the destination Amazon S3 bucket.

ClientToken
:   Character. Token to enable idempotency for export image requests.[optional]

Description
:   Character. A description of the image being exported. The maximum length is 255 characters.[optional]

DryRun
:   Logical. Checks whether you have the required permissions for the action, without actually making the request,...[optional]

RoleName
:   Character. The name of the role that grants VM Import/Export permission to export images to your Amazon S3 bucket....[optional]

TagSpecification
:   List. The tags to apply to the export image task during creation.[optional]

simplify
:   Logical. Whether to simplify the result and handle nextToken in the response[optional]

others
:   Named list. The parameters that are not included in the function parameters and need to be added into the request[optional]

print_on_error
:   Logical. Whether to show an error message when a network error occurs.

retry_time
:   Integer. Number of retries for a REST request when encounter the network issue. If the request has been sent retry_time times but still not be able to get the response, an error will be thrown.

network_timeout
:   Numeric. Number of seconds to wait for a REST response until giving up. Can not be less than 1 ms.

region
:   Character. The region of the AWS service.

Value

A list object or a character vector

DiskImageFormat

The disk image format.

ImageId

The ID of the image.

S3ExportLocation

Information about the destination Amazon S3 bucket. The bucket must exist and grant WRITE and READ_ACP permissions to the AWS account vm-import-export\@amazon.com.

ClientToken

Token to enable idempotency for export image requests.

Description

A description of the image being exported. The maximum length is 255 characters.

DryRun

Checks whether you have the required permissions for the action, without actually making the request, and provides an error response. If you have the required permissions, the error response is `DryRunOperation`. Otherwise, it is `UnauthorizedOperation`.

RoleName

The name of the role that grants VM Import/Export permission to export images to your Amazon S3 bucket. If this parameter is not specified, the default role is named \'vmimport\'.

TagSpecification

The tags to apply to the export image task during creation.

---

ec2_export_transit_gateway_routes
Export Transit Gateway Routes

Description

Export Transit Gateway Routes

Usage

```
ec2_export_transit_gateway_routes(
  TransitGatewayRouteTableId,
  S3Bucket,
  Filter = NULL,
  DryRun = NULL,
  simplify = TRUE,
  others = list(),
  print_on_error = aws_get_print_on_error(),
  retry_time = aws_get_retry_time(),
  network_timeout = aws_get_network_timeout(),
  region = aws_get_region()
)
```

Arguments

`TransitGatewayRouteTableId`	
	Character. The ID of the route table.
`S3Bucket`	Character. The name of the S3 bucket.
`Filter`	Named list where the name is the filter name and the value is the filter's value. The value can be a vector or a list object (see below)[optional]
`DryRun`	Logical. Checks whether you have the required permissions for the action, without actually making the request,...[optional]
`simplify`	Logical. Whether to simplify the result and handle `nextToken` in the response[optional]
`others`	Named list. The parameters that are not included in the function parameters and need to be added into the request[optional]
`print_on_error`	Logical. Whether to show an error message when a network error occurs.
`retry_time`	Integer. Number of retries for a REST request when encounter the network issue. If the request has been sent `retry_time` times but still not be able to get the response, an error will be thrown.
`network_timeout`	
	Numeric. Number of seconds to wait for a REST response until giving up. Can not be less than 1 ms.
`region`	Character. The region of the AWS service.

Value

A list object or a character vector

TransitGatewayRouteTableId

The ID of the route table.

S3Bucket

The name of the S3 bucket.

Filter

One or more filters. The possible values are:

- `attachment.transit-gateway-attachment-id` - The id of the transit gateway attachment.
- `attachment.resource-id` - The resource id of the transit gateway attachment.
- `route-search.exact-match` - The exact match of the specified filter.
- `route-search.longest-prefix-match` - The longest prefix that matches the route.
- `route-search.subnet-of-match` - The routes with a subnet that match the specified CIDR filter.
- `route-search.supernet-of-match` - The routes with a CIDR that encompass the CIDR filter. For example, if you have 10.0.1.0/29 and 10.0.1.0/31 routes in your route table and you specify supernet-of-match as 10.0.1.0/30, then the result returns 10.0.1.0/29.

- state - The state of the route (active \| blackhole).
- transit-gateway-route-destination-cidr-block - The CIDR range.
- type - The type of route (propagated \| static).

DryRun

Checks whether you have the required permissions for the action, without actually making the request, and provides an error response. If you have the required permissions, the error response is DryRunOperation. Otherwise, it is UnauthorizedOperation.

---

ec2_get_associated_enclave_certificate_iam_roles
Get Associated Enclave Certificate Iam Roles

Description

Returns the IAM roles that are associated with the specified AWS Certificate Manager (ACM) certificate. It also returns the name of the Amazon S3 bucket and the Amazon S3 object key where the certificate, certificate chain, and encrypted private key bundle are stored, and the ARN of the AWS Key Management Service (KMS) customer master key (CMK) that\'s used to encrypt the private key.

Usage

```
ec2_get_associated_enclave_certificate_iam_roles(
  CertificateArn = NULL,
  DryRun = NULL,
  simplify = TRUE,
  others = list(),
  print_on_error = aws_get_print_on_error(),
  retry_time = aws_get_retry_time(),
  network_timeout = aws_get_network_timeout(),
  region = aws_get_region()
)
```

Arguments

CertificateArn	Character. The ARN of the ACM certificate for which to view the associated IAM roles, encryption keys, and Amazon...[optional]
DryRun	Logical. Checks whether you have the required permissions for the action, without actually making the request,...[optional]
simplify	Logical. Whether to simplify the result and handle nextToken in the response[optional]
others	Named list. The parameters that are not included in the function parameters and need to be added into the request[optional]
print_on_error	Logical. Whether to show an error message when a network error occurs.

retry_time   Integer. Number of retries for a REST request when encounter the network issue. If the request has been sent `retry_time` times but still not be able to get the response, an error will be thrown.

network_timeout

Numeric. Number of seconds to wait for a REST response until giving up. Can not be less than 1 ms.

region   Character. The region of the AWS service.

Value

A list object or a character vector

CertificateArn

The ARN of the ACM certificate for which to view the associated IAM roles, encryption keys, and Amazon S3 object information.

DryRun

Checks whether you have the required permissions for the action, without actually making the request, and provides an error response. If you have the required permissions, the error response is `DryRunOperation`. Otherwise, it is `UnauthorizedOperation`.

---

ec2_get_associated_ipv6_pool_cidrs

Get Associated Ipv6 Pool Cidrs

Description

Gets information about the IPv6 CIDR block associations for a specified IPv6 address pool.

Usage

```
ec2_get_associated_ipv6_pool_cidrs(
  PoolId,
  NextToken = NULL,
  MaxResults = NULL,
  DryRun = NULL,
  simplify = TRUE,
  others = list(),
  print_on_error = aws_get_print_on_error(),
  retry_time = aws_get_retry_time(),
  network_timeout = aws_get_network_timeout(),
  region = aws_get_region()
)
```

Arguments

PoolId	Character. The ID of the IPv6 address pool.
NextToken	Characters. The token for the next page of results[optional]
MaxResults	Integer. The maximum number of results to return with a single call.[optional]
DryRun	Logical. Checks whether you have the required permissions for the action, without actually making the request,...[optional]
simplify	Logical. Whether to simplify the result and handle nextToken in the response[optional]
others	Named list. The parameters that are not included in the function parameters and need to be added into the request[optional]
print_on_error	Logical. Whether to show an error message when a network error occurs.
retry_time	Integer. Number of retries for a REST request when encounter the network issue. If the request has been sent retry_time times but still not be able to get the response, an error will be thrown.
network_timeout	
	Numeric. Number of seconds to wait for a REST response until giving up. Can not be less than 1 ms.
region	Character. The region of the AWS service.

Value

A list object or a character vector

PoolId

The ID of the IPv6 address pool.

MaxResults

The maximum number of results to return with a single call. To retrieve the remaining results, make another call with the returned nextToken value.

DryRun

Checks whether you have the required permissions for the action, without actually making the request, and provides an error response. If you have the required permissions, the error response is DryRunOperation. Otherwise, it is UnauthorizedOperation.

ec2_get_capacity_reservation_usage

Get Capacity Reservation Usage

Description

Gets usage information about a Capacity Reservation. If the Capacity Reservation is shared, it shows usage information for the Capacity Reservation owner and each AWS account that is currently using the shared capacity. If the Capacity Reservation is not shared, it shows only the Capacity Reservation owner\'s usage.

Usage

```
ec2_get_capacity_reservation_usage(
  CapacityReservationId,
  NextToken = NULL,
  MaxResults = NULL,
  DryRun = NULL,
  simplify = TRUE,
  others = list(),
  print_on_error = aws_get_print_on_error(),
  retry_time = aws_get_retry_time(),
  network_timeout = aws_get_network_timeout(),
  region = aws_get_region()
)
```

Arguments

CapacityReservationId

Character. The ID of the Capacity Reservation.

NextToken   Characters. The token for the next page of results[optional]

MaxResults   Integer. The maximum number of results to return for the request in a single page.[optional]

DryRun   Logical. Checks whether you have the required permissions for the action, without actually making the request,...[optional]

simplify   Logical. Whether to simplify the result and handle nextToken in the response[optional]

others   Named list. The parameters that are not included in the function parameters and need to be added into the request[optional]

print_on_error   Logical. Whether to show an error message when a network error occurs.

retry_time   Integer. Number of retries for a REST request when encounter the network issue. If the request has been sent retry_time times but still not be able to get the response, an error will be thrown.

network_timeout

Numeric. Number of seconds to wait for a REST response until giving up. Can not be less than 1 ms.

region   Character. The region of the AWS service.

Value

A list object or a character vector

CapacityReservationId

The ID of the Capacity Reservation.

MaxResults

The maximum number of results to return for the request in a single page. The remaining results can be seen by sending another request with the returned nextToken value. This value can be between 5 and 500. If maxResults is given a larger value than 500, you receive an error.

Valid range: Minimum value of 1. Maximum value of 1000.

DryRun

Checks whether you have the required permissions for the action, without actually making the request, and provides an error response. If you have the required permissions, the error response is DryRunOperation. Otherwise, it is UnauthorizedOperation.

---

ec2_get_coip_pool_usage

Get Coip Pool Usage

Description

Describes the allocations from the specified customer-owned address pool.

Usage

```
ec2_get_coip_pool_usage(
  PoolId,
  Filter = NULL,
  MaxResults = NULL,
  NextToken = NULL,
  DryRun = NULL,
  simplify = TRUE,
  others = list(),
  print_on_error = aws_get_print_on_error(),
  retry_time = aws_get_retry_time(),
  network_timeout = aws_get_network_timeout(),
  region = aws_get_region()
)
```

Arguments

PoolId	Character. The ID of the address pool.
Filter	Named list where the name is the filter name and the value is the filter's value. The value can be a vector or a list object (see below)[optional]
MaxResults	Integer. The maximum number of results to return with a single call.[optional]
NextToken	Characters. The token for the next page of results[optional]
DryRun	Logical. Checks whether you have the required permissions for the action, without actually making the request,...[optional]
simplify	Logical. Whether to simplify the result and handle nextToken in the response[optional]
others	Named list. The parameters that are not included in the function parameters and need to be added into the request[optional]
print_on_error	Logical. Whether to show an error message when a network error occurs.
retry_time	Integer. Number of retries for a REST request when encounter the network issue. If the request has been sent retry_time times but still not be able to get the response, an error will be thrown.
network_timeout	
	Numeric. Number of seconds to wait for a REST response until giving up. Can not be less than 1 ms.
region	Character. The region of the AWS service.

Value

A list object or a character vector

PoolId

The ID of the address pool.

Filter

The filters. The following are the possible values:

- coip-address-usage.allocation-id

- coip-address-usage.aws-account-id

- coip-address-usage.aws-service

- coip-address-usage.co-ip

MaxResults

    The maximum number of results to return with a single call. To retrieve the remaining results, make
    another call with the returned `nextToken` value.

DryRun

    Checks whether you have the required permissions for the action, without actually making the
    request, and provides an error response. If you have the required permissions, the error response is
    `DryRunOperation`. Otherwise, it is `UnauthorizedOperation`.

---

ec2_get_console_output

Get Console Output

Description

    Get Console Output

Usage

```
ec2_get_console_output(
  InstanceId,
  DryRun = NULL,
  Latest = NULL,
  simplify = TRUE,
  others = list(),
  print_on_error = aws_get_print_on_error(),
  retry_time = aws_get_retry_time(),
  network_timeout = aws_get_network_timeout(),
  region = aws_get_region()
)
```

Arguments

InstanceId	Character. The ID of the instance.
DryRun	Logical. Checks whether you have the required permissions for the action, without actually making the request,...[optional]
Latest	Logical. When enabled, retrieves the latest console output for the instance.[optional]
simplify	Logical. Whether to simplify the result and handle `nextToken` in the response[optional]
others	Named list. The parameters that are not included in the function parameters and need to be added into the request[optional]
print_on_error	Logical. Whether to show an error message when a network error occurs.
retry_time	Integer. Number of retries for a REST request when encounter the network issue. If the request has been sent `retry_time` times but still not be able to get the response, an error will be thrown.

network_timeout
> Numeric. Number of seconds to wait for a REST response until giving up. Can not be less than 1 ms.

region
> Character. The region of the AWS service.

Value

A list object or a character vector

InstanceId

The ID of the instance.

DryRun

Checks whether you have the required permissions for the action, without actually making the request, and provides an error response. If you have the required permissions, the error response is `DryRunOperation`. Otherwise, it is `UnauthorizedOperation`.

Latest

When enabled, retrieves the latest console output for the instance.

Default: disabled (`false`)

---

ec2_get_console_screenshot

Get Console Screenshot

Description

Get Console Screenshot

Usage

```
ec2_get_console_screenshot(
  InstanceId,
  DryRun = NULL,
  WakeUp = NULL,
  simplify = TRUE,
  others = list(),
  print_on_error = aws_get_print_on_error(),
  retry_time = aws_get_retry_time(),
  network_timeout = aws_get_network_timeout(),
  region = aws_get_region()
)
```

Arguments

InstanceId	Character. The ID of the instance.
DryRun	Logical. Checks whether you have the required permissions for the action, without actually making the request,...[optional]
WakeUp	Logical. When set to `true`, acts as keystroke input and wakes up an instance that\'s in standby or \'sleep\'...[optional]
simplify	Logical. Whether to simplify the result and handle `nextToken` in the response[optional]
others	Named list. The parameters that are not included in the function parameters and need to be added into the request[optional]
print_on_error	Logical. Whether to show an error message when a network error occurs.
retry_time	Integer. Number of retries for a REST request when encounter the network issue. If the request has been sent `retry_time` times but still not be able to get the response, an error will be thrown.
network_timeout	
	Numeric. Number of seconds to wait for a REST response until giving up. Can not be less than 1 ms.
region	Character. The region of the AWS service.

Value

A list object or a character vector

InstanceId

The ID of the instance.

DryRun

Checks whether you have the required permissions for the action, without actually making the request, and provides an error response. If you have the required permissions, the error response is `DryRunOperation`. Otherwise, it is `UnauthorizedOperation`.

WakeUp

When set to `true`, acts as keystroke input and wakes up an instance that\'s in standby or \'sleep\' mode.

ec2_get_default_credit_specification

Get Default Credit Specification

Description

Get Default Credit Specification

Usage

```
ec2_get_default_credit_specification(
  InstanceFamily,
  DryRun = NULL,
  simplify = TRUE,
  others = list(),
  print_on_error = aws_get_print_on_error(),
  retry_time = aws_get_retry_time(),
  network_timeout = aws_get_network_timeout(),
  region = aws_get_region()
)
```

Arguments

InstanceFamily	Character. The instance family.
DryRun	Logical. Checks whether you have the required permissions for the action, without actually making the request,...[optional]
simplify	Logical. Whether to simplify the result and handle nextToken in the response[optional]
others	Named list. The parameters that are not included in the function parameters and need to be added into the request[optional]
print_on_error	Logical. Whether to show an error message when a network error occurs.
retry_time	Integer. Number of retries for a REST request when encounter the network issue. If the request has been sent retry_time times but still not be able to get the response, an error will be thrown.
network_timeout	
	Numeric. Number of seconds to wait for a REST response until giving up. Can not be less than 1 ms.
region	Character. The region of the AWS service.

Value

A list object or a character vector

InstanceFamily

The instance family.

DryRun

Checks whether you have the required permissions for the action, without actually making the request, and provides an error response. If you have the required permissions, the error response is `DryRunOperation`. Otherwise, it is `UnauthorizedOperation`.

---

ec2_get_ebs_default_kms_key_id
                            Get Ebs Default Kms Key Id

Description

Get Ebs Default Kms Key Id

Usage

```
ec2_get_ebs_default_kms_key_id(
  DryRun = NULL,
  simplify = TRUE,
  others = list(),
  print_on_error = aws_get_print_on_error(),
  retry_time = aws_get_retry_time(),
  network_timeout = aws_get_network_timeout(),
  region = aws_get_region()
)
```

Arguments

DryRun	Logical. Checks whether you have the required permissions for the action, without actually making the request,...[optional]
simplify	Logical. Whether to simplify the result and handle `nextToken` in the response[optional]
others	Named list. The parameters that are not included in the function parameters and need to be added into the request[optional]
print_on_error	Logical. Whether to show an error message when a network error occurs.
retry_time	Integer. Number of retries for a REST request when encounter the network issue. If the request has been sent `retry_time` times but still not be able to get the response, an error will be thrown.
network_timeout	
	Numeric. Number of seconds to wait for a REST response until giving up. Can not be less than 1 ms.
region	Character. The region of the AWS service.

Value

A list object or a character vector

DryRun

Checks whether you have the required permissions for the action, without actually making the request, and provides an error response. If you have the required permissions, the error response is `DryRunOperation`. Otherwise, it is `UnauthorizedOperation`.

---

ec2_get_ebs_encryption_by_default
Get Ebs Encryption By Default

Description

Get Ebs Encryption By Default

Usage

```
ec2_get_ebs_encryption_by_default(
  DryRun = NULL,
  simplify = TRUE,
  others = list(),
  print_on_error = aws_get_print_on_error(),
  retry_time = aws_get_retry_time(),
  network_timeout = aws_get_network_timeout(),
  region = aws_get_region()
)
```

Arguments

DryRun	Logical. Checks whether you have the required permissions for the action, without actually making the request,...[optional]
simplify	Logical. Whether to simplify the result and handle `nextToken` in the response[optional]
others	Named list. The parameters that are not included in the function parameters and need to be added into the request[optional]
print_on_error	Logical. Whether to show an error message when a network error occurs.
retry_time	Integer. Number of retries for a REST request when encounter the network issue. If the request has been sent `retry_time` times but still not be able to get the response, an error will be thrown.
network_timeout	
	Numeric. Number of seconds to wait for a REST response until giving up. Can not be less than 1 ms.
region	Character. The region of the AWS service.

Value

A list object or a character vector

DryRun

Checks whether you have the required permissions for the action, without actually making the request, and provides an error response. If you have the required permissions, the error response is `DryRunOperation`. Otherwise, it is `UnauthorizedOperation`.

---

ec2_get_groups_for_capacity_reservation

Get Groups For Capacity Reservation

Description

Lists the resource groups to which a Capacity Reservation has been added.

Usage

```
ec2_get_groups_for_capacity_reservation(
  CapacityReservationId,
  NextToken = NULL,
  MaxResults = NULL,
  DryRun = NULL,
  simplify = TRUE,
  others = list(),
  print_on_error = aws_get_print_on_error(),
  retry_time = aws_get_retry_time(),
  network_timeout = aws_get_network_timeout(),
  region = aws_get_region()
)
```

Arguments

CapacityReservationId

                Character. The ID of the Capacity Reservation.

NextToken   Characters. The token for the next page of results[optional]

MaxResults   Integer. The maximum number of results to return for the request in a single page.[optional]

DryRun   Logical. Checks whether you have the required permissions for the action, without actually making the request,...[optional]

simplify   Logical. Whether to simplify the result and handle `nextToken` in the response[optional]

others   Named list. The parameters that are not included in the function parameters and need to be added into the request[optional]

print_on_error Logical. Whether to show an error message when a network error occurs.

retry_time   Integer. Number of retries for a REST request when encounter the network issue. If the request has been sent `retry_time` times but still not be able to get the response, an error will be thrown.

network_timeout

> Numeric. Number of seconds to wait for a REST response until giving up. Can not be less than 1 ms.

region   Character. The region of the AWS service.

Value

A list object or a character vector

CapacityReservationId

The ID of the Capacity Reservation.

MaxResults

The maximum number of results to return for the request in a single page. The remaining results can be seen by sending another request with the returned nextToken value. This value can be between 5 and 500. If maxResults is given a larger value than 500, you receive an error.

DryRun

Checks whether you have the required permissions for the action, without actually making the request, and provides an error response. If you have the required permissions, the error response is DryRunOperation. Otherwise, it is UnauthorizedOperation.

---

ec2_get_host_reservation_purchase_preview

Get Host Reservation Purchase Preview

Description

Get Host Reservation Purchase Preview

Usage

```
ec2_get_host_reservation_purchase_preview(
  HostIdSet,
  OfferingId,
  simplify = TRUE,
  others = list(),
  print_on_error = aws_get_print_on_error(),
  retry_time = aws_get_retry_time(),
  network_timeout = aws_get_network_timeout(),
  region = aws_get_region()
)
```

Arguments

`HostIdSet`	List. The IDs of the Dedicated Hosts with which the reservation is associated.
`OfferingId`	Character. The offering ID of the reservation.
`simplify`	Logical. Whether to simplify the result and handle `nextToken` in the response[optional]
`others`	Named list. The parameters that are not included in the function parameters and need to be added into the request[optional]
`print_on_error`	Logical. Whether to show an error message when a network error occurs.
`retry_time`	Integer. Number of retries for a REST request when encounter the network issue. If the request has been sent `retry_time` times but still not be able to get the response, an error will be thrown.
`network_timeout`	
	Numeric. Number of seconds to wait for a REST response until giving up. Can not be less than 1 ms.
`region`	Character. The region of the AWS service.

Value

A list object or a character vector

HostIdSet

The IDs of the Dedicated Hosts with which the reservation is associated.

OfferingId

The offering ID of the reservation.

---

ec2_get_launch_template_data

Get Launch Template Data

Description

Get Launch Template Data

Usage

```
ec2_get_launch_template_data(
  InstanceId,
  DryRun = NULL,
  simplify = TRUE,
  others = list(),
  print_on_error = aws_get_print_on_error(),
  retry_time = aws_get_retry_time(),
  network_timeout = aws_get_network_timeout(),
  region = aws_get_region()
)
```

Arguments

`InstanceId`	Character. The ID of the instance.
`DryRun`	Logical. Checks whether you have the required permissions for the action, without actually making the request,...[optional]
`simplify`	Logical. Whether to simplify the result and handle `nextToken` in the response[optional]
`others`	Named list. The parameters that are not included in the function parameters and need to be added into the request[optional]
`print_on_error`	Logical. Whether to show an error message when a network error occurs.
`retry_time`	Integer. Number of retries for a REST request when encounter the network issue. If the request has been sent `retry_time` times but still not be able to get the response, an error will be thrown.
`network_timeout`	
	Numeric. Number of seconds to wait for a REST response until giving up. Can not be less than 1 ms.
`region`	Character. The region of the AWS service.

Value

A list object or a character vector

InstanceId

The ID of the instance.

DryRun

Checks whether you have the required permissions for the action, without actually making the request, and provides an error response. If you have the required permissions, the error response is `DryRunOperation`. Otherwise, it is `UnauthorizedOperation`.

`ec2_get_managed_prefix_list_associations`
Get Managed Prefix List Associations

Description

Gets information about the resources that are associated with the specified managed prefix list.

Usage

```
ec2_get_managed_prefix_list_associations(
  PrefixListId,
  DryRun = NULL,
  MaxResults = NULL,
  NextToken = NULL,
  simplify = TRUE,
  others = list(),
  print_on_error = aws_get_print_on_error(),
  retry_time = aws_get_retry_time(),
  network_timeout = aws_get_network_timeout(),
  region = aws_get_region()
)
```

Arguments

PrefixListId	Character. The ID of the prefix list.
DryRun	Logical. Checks whether you have the required permissions for the action, without actually making the request,...[optional]
MaxResults	Integer. The maximum number of results to return with a single call.[optional]
NextToken	Characters. The token for the next page of results[optional]
simplify	Logical. Whether to simplify the result and handle nextToken in the response[optional]
others	Named list. The parameters that are not included in the function parameters and need to be added into the request[optional]
print_on_error	Logical. Whether to show an error message when a network error occurs.
retry_time	Integer. Number of retries for a REST request when encounter the network issue. If the request has been sent retry_time times but still not be able to get the response, an error will be thrown.
network_timeout	
	Numeric. Number of seconds to wait for a REST response until giving up. Can not be less than 1 ms.
region	Character. The region of the AWS service.

Value

A list object or a character vector

PrefixListId

The ID of the prefix list.

DryRun

Checks whether you have the required permissions for the action, without actually making the request, and provides an error response. If you have the required permissions, the error response is DryRunOperation. Otherwise, it is UnauthorizedOperation.

MaxResults

The maximum number of results to return with a single call. To retrieve the remaining results, make another call with the returned `nextToken` value.

---

ec2_get_managed_prefix_list_entries
Get Managed Prefix List Entries

Description

Gets information about the entries for a specified managed prefix list.

Usage

```
ec2_get_managed_prefix_list_entries(
  PrefixListId,
  DryRun = NULL,
  TargetVersion = NULL,
  MaxResults = NULL,
  NextToken = NULL,
  simplify = TRUE,
  others = list(),
  print_on_error = aws_get_print_on_error(),
  retry_time = aws_get_retry_time(),
  network_timeout = aws_get_network_timeout(),
  region = aws_get_region()
)
```

Arguments

PrefixListId	Character. The ID of the prefix list.
DryRun	Logical. Checks whether you have the required permissions for the action, without actually making the request,...[optional]
TargetVersion	Integer. The version of the prefix list for which to return the entries. The default is the current version.[optional]
MaxResults	Integer. The maximum number of results to return with a single call.[optional]
NextToken	Characters. The token for the next page of results[optional]
simplify	Logical. Whether to simplify the result and handle `nextToken` in the response[optional]
others	Named list. The parameters that are not included in the function parameters and need to be added into the request[optional]
print_on_error	Logical. Whether to show an error message when a network error occurs.
retry_time	Integer. Number of retries for a REST request when encounter the network issue. If the request has been sent `retry_time` times but still not be able to get the response, an error will be thrown.

network_timeout

> Numeric. Number of seconds to wait for a REST response until giving up. Can not be less than 1 ms.

region   Character. The region of the AWS service.

Value

A list object or a character vector

PrefixListId

The ID of the prefix list.

DryRun

Checks whether you have the required permissions for the action, without actually making the request, and provides an error response. If you have the required permissions, the error response is DryRunOperation. Otherwise, it is UnauthorizedOperation.

TargetVersion

The version of the prefix list for which to return the entries. The default is the current version.

MaxResults

The maximum number of results to return with a single call. To retrieve the remaining results, make another call with the returned nextToken value.

---

ec2_get_password_data *Get Password Data*

Description

Get Password Data

Usage

```
ec2_get_password_data(
  InstanceId,
  DryRun = NULL,
  simplify = TRUE,
  others = list(),
  print_on_error = aws_get_print_on_error(),
  retry_time = aws_get_retry_time(),
  network_timeout = aws_get_network_timeout(),
  region = aws_get_region()
)
```

Arguments

InstanceId	Character. The ID of the Windows instance.
DryRun	Logical. Checks whether you have the required permissions for the action, without actually making the request,...[optional]
simplify	Logical. Whether to simplify the result and handle nextToken in the response[optional]
others	Named list. The parameters that are not included in the function parameters and need to be added into the request[optional]
print_on_error	Logical. Whether to show an error message when a network error occurs.
retry_time	Integer. Number of retries for a REST request when encounter the network issue. If the request has been sent retry_time times but still not be able to get the response, an error will be thrown.
network_timeout	
	Numeric. Number of seconds to wait for a REST response until giving up. Can not be less than 1 ms.
region	Character. The region of the AWS service.

Value

A list object or a character vector

InstanceId

The ID of the Windows instance.

DryRun

Checks whether you have the required permissions for the action, without actually making the request, and provides an error response. If you have the required permissions, the error response is DryRunOperation. Otherwise, it is UnauthorizedOperation.

---

ec2_get_reserved_instances_exchange_quote
Get Reserved Instances Exchange Quote

Description

Returns a quote and exchange information for exchanging one or more specified Convertible Reserved Instances for a new Convertible Reserved Instance. If the exchange cannot be performed, the reason is returned in the response. Use AcceptReservedInstancesExchangeQuote to perform the exchange.

Usage

```
ec2_get_reserved_instances_exchange_quote(
  ReservedInstanceId,
  DryRun = NULL,
  TargetConfiguration = NULL,
  simplify = TRUE,
  others = list(),
  print_on_error = aws_get_print_on_error(),
  retry_time = aws_get_retry_time(),
  network_timeout = aws_get_network_timeout(),
  region = aws_get_region()
)
```

Arguments

ReservedInstanceId

>   List. The IDs of the Convertible Reserved Instances to exchange.

DryRun   Logical. Checks whether you have the required permissions for the action, with-
                out actually making the request,...[optional]

TargetConfiguration

>   List. The configuration of the target Convertible Reserved Instance to exchange
>   for your current Convertible...[optional]

simplify   Logical. Whether to simplify the result and handle nextToken in the response[optional]

others   Named list. The parameters that are not included in the function parameters and
                need to be added into the request[optional]

print_on_error Logical. Whether to show an error message when a network error occurs.

retry_time   Integer. Number of retries for a REST request when encounter the network
                issue. If the request has been sent retry_time times but still not be able to get
                the response, an error will be thrown.

network_timeout

>   Numeric. Number of seconds to wait for a REST response until giving up. Can
>   not be less than 1 ms.

region   Character. The region of the AWS service.

Value

A list object or a character vector

ReservedInstanceId

The IDs of the Convertible Reserved Instances to exchange.

DryRun

Checks whether you have the required permissions for the action, without actually making the
request, and provides an error response. If you have the required permissions, the error response is
DryRunOperation. Otherwise, it is UnauthorizedOperation.

TargetConfiguration

The configuration of the target Convertible Reserved Instance to exchange for your current Convertible Reserved Instances.

---

ec2_get_transit_gateway_attachment_propagations
Get Transit Gateway Attachment Propagations

Description

Lists the route tables to which the specified resource attachment propagates routes.

Usage

```
ec2_get_transit_gateway_attachment_propagations(
  TransitGatewayAttachmentId,
  Filter = NULL,
  MaxResults = NULL,
  NextToken = NULL,
  DryRun = NULL,
  simplify = TRUE,
  others = list(),
  print_on_error = aws_get_print_on_error(),
  retry_time = aws_get_retry_time(),
  network_timeout = aws_get_network_timeout(),
  region = aws_get_region()
)
```

Arguments

TransitGatewayAttachmentId

Character. The ID of the attachment.

Filter   Named list where the name is the filter name and the value is the filter's value. The value can be a vector or a list object (see below)[optional]

MaxResults   Integer. The maximum number of results to return with a single call.[optional]

NextToken   Characters. The token for the next page of results[optional]

DryRun   Logical. Checks whether you have the required permissions for the action, without actually making the request,...[optional]

simplify   Logical. Whether to simplify the result and handle nextToken in the response[optional]

others   Named list. The parameters that are not included in the function parameters and need to be added into the request[optional]

print_on_error   Logical. Whether to show an error message when a network error occurs.

retry_time   Integer. Number of retries for a REST request when encounter the network issue. If the request has been sent retry_time times but still not be able to get the response, an error will be thrown.

network_timeout

> Numeric. Number of seconds to wait for a REST response until giving up. Can not be less than 1 ms.

region   Character. The region of the AWS service.

Value

A list object or a character vector

TransitGatewayAttachmentId

The ID of the attachment.

Filter

One or more filters. The possible values are:

- `transit-gateway-route-table-id` - The ID of the transit gateway route table.

MaxResults

The maximum number of results to return with a single call. To retrieve the remaining results, make another call with the returned `nextToken` value.

DryRun

Checks whether you have the required permissions for the action, without actually making the request, and provides an error response. If you have the required permissions, the error response is `DryRunOperation`. Otherwise, it is `UnauthorizedOperation`.

---

ec2_get_transit_gateway_multicast_domain_associations
Get Transit Gateway Multicast Domain Associations

Description

Gets information about the associations for the transit gateway multicast domain.

Usage

```
ec2_get_transit_gateway_multicast_domain_associations(
  TransitGatewayMulticastDomainId = NULL,
  Filter = NULL,
  MaxResults = NULL,
  NextToken = NULL,
  DryRun = NULL,
  simplify = TRUE,
  others = list(),
```

```
    print_on_error = aws_get_print_on_error(),
    retry_time = aws_get_retry_time(),
    network_timeout = aws_get_network_timeout(),
    region = aws_get_region()
)
```

Arguments

TransitGatewayMulticastDomainId

> Character. The ID of the transit gateway multicast domain.[optional]

Filter   Named list where the name is the filter name and the value is the filter's value. The value can be a vector or a list object (see below)[optional]

MaxResults   Integer. The maximum number of results to return with a single call.[optional]

NextToken   Characters. The token for the next page of results[optional]

DryRun   Logical. Checks whether you have the required permissions for the action, without actually making the request,...[optional]

simplify   Logical. Whether to simplify the result and handle `nextToken` in the response[optional]

others   Named list. The parameters that are not included in the function parameters and need to be added into the request[optional]

print_on_error   Logical. Whether to show an error message when a network error occurs.

retry_time   Integer. Number of retries for a REST request when encounter the network issue. If the request has been sent `retry_time` times but still not be able to get the response, an error will be thrown.

network_timeout

> Numeric. Number of seconds to wait for a REST response until giving up. Can not be less than 1 ms.

region   Character. The region of the AWS service.

Value

A list object or a character vector

TransitGatewayMulticastDomainId

The ID of the transit gateway multicast domain.

Filter

One or more filters. The possible values are:

- `resource-id` - The ID of the resource.
- `resource-type` - The type of resource. The valid value is: `vpc`.
- `state` - The state of the subnet association. Valid values are `associated` \| `associating` \| `disassociated` \| `disassociating`.
- `subnet-id` - The ID of the subnet.
- `transit-gateway-attachment-id` - The id of the transit gateway attachment.

MaxResults

The maximum number of results to return with a single call. To retrieve the remaining results, make another call with the returned `nextToken` value.

DryRun

Checks whether you have the required permissions for the action, without actually making the request, and provides an error response. If you have the required permissions, the error response is `DryRunOperation`. Otherwise, it is `UnauthorizedOperation`.

---

ec2_get_transit_gateway_prefix_list_references
Get Transit Gateway Prefix List References

Description

Gets information about the prefix list references in a specified transit gateway route table.

Usage

```
ec2_get_transit_gateway_prefix_list_references(
  TransitGatewayRouteTableId,
  Filter = NULL,
  MaxResults = NULL,
  NextToken = NULL,
  DryRun = NULL,
  simplify = TRUE,
  others = list(),
  print_on_error = aws_get_print_on_error(),
  retry_time = aws_get_retry_time(),
  network_timeout = aws_get_network_timeout(),
  region = aws_get_region()
)
```

Arguments

TransitGatewayRouteTableId

                Character. The ID of the transit gateway route table.

Filter	Named list where the name is the filter name and the value is the filter's value. The value can be a vector or a list object (see below)[optional]
MaxResults	Integer. The maximum number of results to return with a single call.[optional]
NextToken	Characters. The token for the next page of results[optional]
DryRun	Logical. Checks whether you have the required permissions for the action, without actually making the request,...[optional]
simplify	Logical. Whether to simplify the result and handle `nextToken` in the response[optional]

others	Named list. The parameters that are not included in the function parameters and need to be added into the request[optional]
print_on_error	Logical. Whether to show an error message when a network error occurs.
retry_time	Integer. Number of retries for a REST request when encounter the network issue. If the request has been sent retry_time times but still not be able to get the response, an error will be thrown.
network_timeout	
	Numeric. Number of seconds to wait for a REST response until giving up. Can not be less than 1 ms.
region	Character. The region of the AWS service.

Value

A list object or a character vector

TransitGatewayRouteTableId

The ID of the transit gateway route table.

Filter

One or more filters. The possible values are:

- `attachment.resource-id` - The ID of the resource for the attachment.
- `attachment.resource-type` - The type of resource for the attachment. Valid values are `vpc` \| `vpn` \| `direct-connect-gateway` \| `peering`.
- `attachment.transit-gateway-attachment-id` - The ID of the attachment.
- `is-blackhole` - Whether traffic matching the route is blocked (`true` \| `false`).
- `prefix-list-id` - The ID of the prefix list.
- `prefix-list-owner-id` - The ID of the owner of the prefix list.
- `state` - The state of the prefix list reference (`pending` \| `available` \| `modifying` \| `deleting`).

MaxResults

The maximum number of results to return with a single call. To retrieve the remaining results, make another call with the returned `nextToken` value.

DryRun

Checks whether you have the required permissions for the action, without actually making the request, and provides an error response. If you have the required permissions, the error response is `DryRunOperation`. Otherwise, it is `UnauthorizedOperation`.

---

ec2_get_transit_gateway_route_table_associations
Get Transit Gateway Route Table Associations

Description

Gets information about the associations for the specified transit gateway route table.

Usage

```
ec2_get_transit_gateway_route_table_associations(
  TransitGatewayRouteTableId,
  Filter = NULL,
  MaxResults = NULL,
  NextToken = NULL,
  DryRun = NULL,
  simplify = TRUE,
  others = list(),
  print_on_error = aws_get_print_on_error(),
  retry_time = aws_get_retry_time(),
  network_timeout = aws_get_network_timeout(),
  region = aws_get_region()
)
```

Arguments

TransitGatewayRouteTableId
:   Character. The ID of the transit gateway route table.

Filter
:   Named list where the name is the filter name and the value is the filter's value. The value can be a vector or a list object (see below)[optional]

MaxResults
:   Integer. The maximum number of results to return with a single call.[optional]

NextToken
:   Characters. The token for the next page of results[optional]

DryRun
:   Logical. Checks whether you have the required permissions for the action, without actually making the request,...[optional]

simplify
:   Logical. Whether to simplify the result and handle nextToken in the response[optional]

others
:   Named list. The parameters that are not included in the function parameters and need to be added into the request[optional]

print_on_error
:   Logical. Whether to show an error message when a network error occurs.

retry_time
:   Integer. Number of retries for a REST request when encounter the network issue. If the request has been sent retry_time times but still not be able to get the response, an error will be thrown.

network_timeout
:   Numeric. Number of seconds to wait for a REST response until giving up. Can not be less than 1 ms.

region
:   Character. The region of the AWS service.

Value

A list object or a character vector

TransitGatewayRouteTableId

The ID of the transit gateway route table.

Filter

One or more filters. The possible values are:

- `resource-id` - The ID of the resource.
- `resource-type` - The resource type. Valid values are vpc \| vpn \| `direct-connect-gateway` \| `peering` \| `connect`.
- `transit-gateway-attachment-id` - The ID of the attachment.

MaxResults

The maximum number of results to return with a single call. To retrieve the remaining results, make another call with the returned `nextToken` value.

DryRun

Checks whether you have the required permissions for the action, without actually making the request, and provides an error response. If you have the required permissions, the error response is `DryRunOperation`. Otherwise, it is `UnauthorizedOperation`.

---

ec2_get_transit_gateway_route_table_propagations
Get Transit Gateway Route Table Propagations

Description

Gets information about the route table propagations for the specified transit gateway route table.

Usage

```
ec2_get_transit_gateway_route_table_propagations(
  TransitGatewayRouteTableId,
  Filter = NULL,
  MaxResults = NULL,
  NextToken = NULL,
  DryRun = NULL,
  simplify = TRUE,
  others = list(),
  print_on_error = aws_get_print_on_error(),
  retry_time = aws_get_retry_time(),
```

```
    network_timeout = aws_get_network_timeout(),
    region = aws_get_region()
)
```

Arguments

TransitGatewayRouteTableId

Character. The ID of the transit gateway route table.

Filter	Named list where the name is the filter name and the value is the filter's value. The value can be a vector or a list object (see below)[optional]
MaxResults	Integer. The maximum number of results to return with a single call.[optional]
NextToken	Characters. The token for the next page of results[optional]
DryRun	Logical. Checks whether you have the required permissions for the action, without actually making the request,...[optional]
simplify	Logical. Whether to simplify the result and handle nextToken in the response[optional]
others	Named list. The parameters that are not included in the function parameters and need to be added into the request[optional]
print_on_error	Logical. Whether to show an error message when a network error occurs.
retry_time	Integer. Number of retries for a REST request when encounter the network issue. If the request has been sent retry_time times but still not be able to get the response, an error will be thrown.

network_timeout

Numeric. Number of seconds to wait for a REST response until giving up. Can not be less than 1 ms.

region	Character. The region of the AWS service.

Value

A list object or a character vector

TransitGatewayRouteTableId

The ID of the transit gateway route table.

Filter

One or more filters. The possible values are:

- resource-id - The ID of the resource.
- resource-type - The resource type. Valid values are vpc \| vpn \| direct-connect-gateway \| peering \| connect.
- transit-gateway-attachment-id - The ID of the attachment.

MaxResults

The maximum number of results to return with a single call. To retrieve the remaining results, make another call with the returned nextToken value.

DryRun

Checks whether you have the required permissions for the action, without actually making the request, and provides an error response. If you have the required permissions, the error response is `DryRunOperation`. Otherwise, it is `UnauthorizedOperation`.

---

ec2_import_client_vpn_client_certificate_revocation_list
Import Client Vpn Client Certificate Revocation List

Description

Import Client Vpn Client Certificate Revocation List

Usage

```
ec2_import_client_vpn_client_certificate_revocation_list(
  ClientVpnEndpointId,
  CertificateRevocationList,
  DryRun = NULL,
  simplify = TRUE,
  others = list(),
  print_on_error = aws_get_print_on_error(),
  retry_time = aws_get_retry_time(),
  network_timeout = aws_get_network_timeout(),
  region = aws_get_region()
)
```

Arguments

ClientVpnEndpointId
    Character. The ID of the Client VPN endpoint to which the client certificate revocation list applies.

CertificateRevocationList
    Character. The client certificate revocation list file.

DryRun   Logical. Checks whether you have the required permissions for the action, without actually making the request,...[optional]

simplify   Logical. Whether to simplify the result and handle `nextToken` in the response[optional]

others   Named list. The parameters that are not included in the function parameters and need to be added into the request[optional]

print_on_error Logical. Whether to show an error message when a network error occurs.

retry_time   Integer. Number of retries for a REST request when encounter the network issue. If the request has been sent `retry_time` times but still not be able to get the response, an error will be thrown.

network_timeout
    Numeric. Number of seconds to wait for a REST response until giving up. Can not be less than 1 ms.

region   Character. The region of the AWS service.

Value

A list object or a character vector

ClientVpnEndpointId

The ID of the Client VPN endpoint to which the client certificate revocation list applies.

CertificateRevocationList

The client certificate revocation list file. For more information, see Generate a Client Certificate Revocation List in the *AWS Client VPN Administrator Guide*.

DryRun

Checks whether you have the required permissions for the action, without actually making the request, and provides an error response. If you have the required permissions, the error response is DryRunOperation. Otherwise, it is UnauthorizedOperation.

---

ec2_import_image *Import Image*

Description

Import single or multi-volume disk images or EBS snapshots into an Amazon Machine Image (AMI). For more information, see Importing a VM as an Image Using VM Import/Export in the *VM Import/Export User Guide*.

Usage

```
ec2_import_image(
  Architecture = NULL,
  ClientData = NULL,
  ClientToken = NULL,
  Description = NULL,
  DiskContainer = NULL,
  DryRun = NULL,
  Encrypted = NULL,
  Hypervisor = NULL,
  KmsKeyId = NULL,
  LicenseType = NULL,
  Platform = NULL,
  RoleName = NULL,
  LicenseSpecifications = NULL,
  TagSpecification = NULL,
  simplify = TRUE,
  others = list(),
  print_on_error = aws_get_print_on_error(),
```

```
    retry_time = aws_get_retry_time(),
    network_timeout = aws_get_network_timeout(),
    region = aws_get_region()
)
```

Arguments

`Architecture`	Character. The architecture of the virtual machine. Valid values: `i386` | `x86_64` | `arm64` [optional]
`ClientData`	Object. The client-specific data.[optional]
`ClientToken`	Character. The token to enable idempotency for VM import requests.[optional]
`Description`	Character. A description string for the import image task.[optional]
`DiskContainer`	List. Information about the disk containers.[optional]
`DryRun`	Logical. Checks whether you have the required permissions for the action, without actually making the request,...[optional]
`Encrypted`	Logical. Specifies whether the destination AMI of the imported image should be encrypted.[optional]
`Hypervisor`	Character. The target hypervisor platform. Valid values: `xen` [optional]
`KmsKeyId`	Character. An identifier for the symmetric AWS Key Management Service (AWS KMS) customer master key (CMK)...[optional]
`LicenseType`	Character. The license type to be used for the Amazon Machine Image (AMI) after importing.[optional]
`Platform`	Character. The operating system of the virtual machine. Valid values: `Windows` | `Linux` [optional]
`RoleName`	Character. The name of the role to use when not using the default role, \'vmimport\'.[optional]
`LicenseSpecifications`	
	List. The ARNs of the license configurations.[optional]
`TagSpecification`	
	List. The tags to apply to the import image task during creation.[optional]
`simplify`	Logical. Whether to simplify the result and handle `nextToken` in the response[optional]
`others`	Named list. The parameters that are not included in the function parameters and need to be added into the request[optional]
`print_on_error`	Logical. Whether to show an error message when a network error occurs.
`retry_time`	Integer. Number of retries for a REST request when encounter the network issue. If the request has been sent `retry_time` times but still not be able to get the response, an error will be thrown.
`network_timeout`	
	Numeric. Number of seconds to wait for a REST response until giving up. Can not be less than 1 ms.
`region`	Character. The region of the AWS service.

Value

A list object or a character vector

Architecture

The architecture of the virtual machine.

Valid values: `i386` \| `x86_64` \| `arm64`

ClientData

The client-specific data.

ClientToken

The token to enable idempotency for VM import requests.

Description

A description string for the import image task.

DiskContainer

Information about the disk containers.

DryRun

Checks whether you have the required permissions for the action, without actually making the request, and provides an error response. If you have the required permissions, the error response is `DryRunOperation`. Otherwise, it is `UnauthorizedOperation`.

Encrypted

Specifies whether the destination AMI of the imported image should be encrypted. The default CMK for EBS is used unless you specify a non-default AWS Key Management Service (AWS KMS) CMK using `KmsKeyId`. For more information, see Amazon EBS Encryption in the *Amazon Elastic Compute Cloud User Guide*.

Hypervisor

The target hypervisor platform.

Valid values: `xen`

KmsKeyId

An identifier for the symmetric AWS Key Management Service (AWS KMS) customer master key (CMK) to use when creating the encrypted AMI. This parameter is only required if you want to use a non-default CMK; if this parameter is not specified, the default CMK for EBS is used. If a `KmsKeyId` is specified, the `Encrypted` flag must also be set.

The CMK identifier may be provided in any of the following formats:

- Key ID

- Key alias. The alias ARN contains the `arn:aws:kms` namespace, followed by the Region of the CMK, the AWS account ID of the CMK owner, the `alias` namespace, and then the CMK alias. For example, arn:aws:kms:*us-east-1*:*012345678910*:alias/*ExampleAlias*.

- ARN using key ID. The ID ARN contains the `arn:aws:kms` namespace, followed by the Region of the CMK, the AWS account ID of the CMK owner, the `key` namespace, and then the CMK ID. For example, arn:aws:kms:*us-east-1*:*012345678910*:key/*abcd1234-a123-456a-a12b-a123b4cd56ef*.

- ARN using key alias. The alias ARN contains the `arn:aws:kms` namespace, followed by the Region of the CMK, the AWS account ID of the CMK owner, the `alias` namespace, and then the CMK alias. For example, arn:aws:kms:*us-east-1*:*012345678910*:alias/*ExampleAlias*.

AWS parses `KmsKeyId` asynchronously, meaning that the action you call may appear to complete even though you provided an invalid identifier. This action will eventually report failure.

The specified CMK must exist in the Region that the AMI is being copied to.

Amazon EBS does not support asymmetric CMKs.

LicenseType

The license type to be used for the Amazon Machine Image (AMI) after importing.

By default, we detect the source-system operating system (OS) and apply the appropriate license. Specify `AWS` to replace the source-system license with an AWS license, if appropriate. Specify `BYOL` to retain the source-system license, if appropriate.

To use `BYOL`, you must have existing licenses with rights to use these licenses in a third party cloud, such as AWS. For more information, see Prerequisites in the VM Import/Export User Guide.

Platform

The operating system of the virtual machine.

Valid values: `Windows \| Linux`

RoleName

The name of the role to use when not using the default role, \'vmimport\'.

LicenseSpecifications

The ARNs of the license configurations.

TagSpecification

The tags to apply to the import image task during creation.

---

ec2_import_instance   *Import Instance*

Description

Import Instance

Usage

```
ec2_import_instance(
  Platform,
  Description = NULL,
  DiskImage = NULL,
  DryRun = NULL,
  LaunchSpecification = NULL,
  simplify = TRUE,
  others = list(),
  print_on_error = aws_get_print_on_error(),
  retry_time = aws_get_retry_time(),
  network_timeout = aws_get_network_timeout(),
  region = aws_get_region()
)
```

Arguments

Platform	Character. The instance operating system.
Description	Character. A description for the instance being imported.[optional]
DiskImage	List. The disk image.[optional]
DryRun	Logical. Checks whether you have the required permissions for the action, without actually making the request,...[optional]
LaunchSpecification	
	Object. The launch specification.[optional]
simplify	Logical. Whether to simplify the result and handle nextToken in the response[optional]
others	Named list. The parameters that are not included in the function parameters and need to be added into the request[optional]
print_on_error	Logical. Whether to show an error message when a network error occurs.
retry_time	Integer. Number of retries for a REST request when encounter the network issue. If the request has been sent retry_time times but still not be able to get the response, an error will be thrown.
network_timeout	
	Numeric. Number of seconds to wait for a REST response until giving up. Can not be less than 1 ms.
region	Character. The region of the AWS service.

Value

A list object or a character vector

Platform

The instance operating system.

Description

A description for the instance being imported.

DiskImage

The disk image.

DryRun

Checks whether you have the required permissions for the action, without actually making the request, and provides an error response. If you have the required permissions, the error response is `DryRunOperation`. Otherwise, it is `UnauthorizedOperation`.

LaunchSpecification

The launch specification.

---

ec2_import_key_pair   *Import Key Pair*

Description

Import Key Pair

Usage

```
ec2_import_key_pair(
  KeyName,
  PublicKeyMaterial,
  DryRun = NULL,
  TagSpecification = NULL,
  simplify = TRUE,
  others = list(),
  print_on_error = aws_get_print_on_error(),
  retry_time = aws_get_retry_time(),
  network_timeout = aws_get_network_timeout(),
  region = aws_get_region()
)
```

Arguments

`KeyName`	Character. A unique name for the key pair.
`PublicKeyMaterial`	
	Character. The public key.
`DryRun`	Logical. Checks whether you have the required permissions for the action, without actually making the request,...[optional]
`TagSpecification`	
	List. The tags to apply to the imported key pair.[optional]
`simplify`	Logical. Whether to simplify the result and handle `nextToken` in the response[optional]
`others`	Named list. The parameters that are not included in the function parameters and need to be added into the request[optional]
`print_on_error`	Logical. Whether to show an error message when a network error occurs.
`retry_time`	Integer. Number of retries for a REST request when encounter the network issue. If the request has been sent `retry_time` times but still not be able to get the response, an error will be thrown.
`network_timeout`	
	Numeric. Number of seconds to wait for a REST response until giving up. Can not be less than 1 ms.
`region`	Character. The region of the AWS service.

Value

A list object or a character vector

KeyName

A unique name for the key pair.

PublicKeyMaterial

The public key. For API calls, the text must be base64-encoded. For command line tools, base64 encoding is performed for you.

DryRun

Checks whether you have the required permissions for the action, without actually making the request, and provides an error response. If you have the required permissions, the error response is `DryRunOperation`. Otherwise, it is `UnauthorizedOperation`.

TagSpecification

The tags to apply to the imported key pair.

---

ec2_import_snapshot   *Import Snapshot*

Description

Imports a disk into an EBS snapshot.

Usage

```
ec2_import_snapshot(
  ClientData = NULL,
  ClientToken = NULL,
  Description = NULL,
  DiskContainer = NULL,
  DryRun = NULL,
  Encrypted = NULL,
  KmsKeyId = NULL,
  RoleName = NULL,
  TagSpecification = NULL,
  simplify = TRUE,
  others = list(),
  print_on_error = aws_get_print_on_error(),
  retry_time = aws_get_retry_time(),
  network_timeout = aws_get_network_timeout(),
  region = aws_get_region()
)
```

Arguments

ClientData	Object. The client-specific data.[optional]
ClientToken	Character. Token to enable idempotency for VM import requests.[optional]
Description	Character. The description string for the import snapshot task.[optional]
DiskContainer	Object. Information about the disk container.[optional]
DryRun	Logical. Checks whether you have the required permissions for the action, without actually making the request,...[optional]
Encrypted	Logical. Specifies whether the destination snapshot of the imported image should be encrypted.[optional]
KmsKeyId	Character. An identifier for the symmetric AWS Key Management Service (AWS KMS) customer master key (CMK)...[optional]
RoleName	Character. The name of the role to use when not using the default role, \'vmimport\'.[optional]
TagSpecification	
	List. The tags to apply to the import snapshot task during creation.[optional]
simplify	Logical. Whether to simplify the result and handle nextToken in the response[optional]

others	Named list. The parameters that are not included in the function parameters and need to be added into the request[optional]
print_on_error	Logical. Whether to show an error message when a network error occurs.
retry_time	Integer. Number of retries for a REST request when encounter the network issue. If the request has been sent retry_time times but still not be able to get the response, an error will be thrown.
network_timeout	
	Numeric. Number of seconds to wait for a REST response until giving up. Can not be less than 1 ms.
region	Character. The region of the AWS service.

Value

A list object or a character vector

ClientData

The client-specific data.

ClientToken

Token to enable idempotency for VM import requests.

Description

The description string for the import snapshot task.

DiskContainer

Information about the disk container.

DryRun

Checks whether you have the required permissions for the action, without actually making the request, and provides an error response. If you have the required permissions, the error response is DryRunOperation. Otherwise, it is UnauthorizedOperation.

Encrypted

Specifies whether the destination snapshot of the imported image should be encrypted. The default CMK for EBS is used unless you specify a non-default AWS Key Management Service (AWS KMS) CMK using KmsKeyId. For more information, see Amazon EBS Encryption in the *Amazon Elastic Compute Cloud User Guide*.

KmsKeyId

An identifier for the symmetric AWS Key Management Service (AWS KMS) customer master key (CMK) to use when creating the encrypted snapshot. This parameter is only required if you want to use a non-default CMK; if this parameter is not specified, the default CMK for EBS is used. If a `KmsKeyId` is specified, the `Encrypted` flag must also be set.

The CMK identifier may be provided in any of the following formats:

- Key ID

- Key alias. The alias ARN contains the `arn:aws:kms` namespace, followed by the Region of the CMK, the AWS account ID of the CMK owner, the `alias` namespace, and then the CMK alias. For example, arn:aws:kms:*us-east-1*:*012345678910*:alias/*ExampleAlias*.

- ARN using key ID. The ID ARN contains the `arn:aws:kms` namespace, followed by the Region of the CMK, the AWS account ID of the CMK owner, the `key` namespace, and then the CMK ID. For example, arn:aws:kms:*us-east-1*:*012345678910*:key/*abcd1234-a123-456a-a12b-a123b4cd56ef*.

- ARN using key alias. The alias ARN contains the `arn:aws:kms` namespace, followed by the Region of the CMK, the AWS account ID of the CMK owner, the `alias` namespace, and then the CMK alias. For example, arn:aws:kms:*us-east-1*:*012345678910*:alias/*ExampleAlias*.

AWS parses `KmsKeyId` asynchronously, meaning that the action you call may appear to complete even though you provided an invalid identifier. This action will eventually report failure.

The specified CMK must exist in the Region that the snapshot is being copied to.

Amazon EBS does not support asymmetric CMKs.

RoleName

The name of the role to use when not using the default role, \'vmimport\'.

TagSpecification

The tags to apply to the import snapshot task during creation.

`ec2_import_volume`   *Import Volume*

Description

Import Volume

Usage

```
ec2_import_volume(
  AvailabilityZone,
  Image,
  Volume,
  Description = NULL,
  DryRun = NULL,
  simplify = TRUE,
  others = list(),
  print_on_error = aws_get_print_on_error(),
  retry_time = aws_get_retry_time(),
  network_timeout = aws_get_network_timeout(),
  region = aws_get_region()
)
```

Arguments

AvailabilityZone

Character. The Availability Zone for the resulting EBS volume.

Image   Object. The disk image.

Volume   Object. The volume size.

Description   Character. A description of the volume.[optional]

DryRun   Logical. Checks whether you have the required permissions for the action, without actually making the request,...[optional]

simplify   Logical. Whether to simplify the result and handle nextToken in the response[optional]

others   Named list. The parameters that are not included in the function parameters and need to be added into the request[optional]

print_on_error   Logical. Whether to show an error message when a network error occurs.

retry_time   Integer. Number of retries for a REST request when encounter the network issue. If the request has been sent retry_time times but still not be able to get the response, an error will be thrown.

network_timeout

Numeric. Number of seconds to wait for a REST response until giving up. Can not be less than 1 ms.

region   Character. The region of the AWS service.

Value

A list object or a character vector

AvailabilityZone

The Availability Zone for the resulting EBS volume.

Image

The disk image.

Volume

The volume size.

Description

A description of the volume.

DryRun

Checks whether you have the required permissions for the action, without actually making the request, and provides an error response. If you have the required permissions, the error response is `DryRunOperation`. Otherwise, it is `UnauthorizedOperation`.

---

ec2_modify_address_attribute

Modify Address Attribute

Description

Modifies an attribute of the specified Elastic IP address. For requirements, see Using reverse DNS for email applications.

Usage

```
ec2_modify_address_attribute(
  AllocationId,
  DomainName = NULL,
  DryRun = NULL,
  simplify = TRUE,
  others = list(),
  print_on_error = aws_get_print_on_error(),
  retry_time = aws_get_retry_time(),
  network_timeout = aws_get_network_timeout(),
  region = aws_get_region()
)
```

Arguments

AllocationId	Character. [EC2-VPC] The allocation ID.
DomainName	Character. The domain name to modify for the IP address.[optional]
DryRun	Logical. Checks whether you have the required permissions for the action, without actually making the request,...[optional]
simplify	Logical. Whether to simplify the result and handle `nextToken` in the response[optional]
others	Named list. The parameters that are not included in the function parameters and need to be added into the request[optional]

print_on_error Logical. Whether to show an error message when a network error occurs.

retry_time   Integer. Number of retries for a REST request when encounter the network issue. If the request has been sent retry_time times but still not be able to get the response, an error will be thrown.

network_timeout

               Numeric. Number of seconds to wait for a REST response until giving up. Can not be less than 1 ms.

region   Character. The region of the AWS service.

Value

A list object or a character vector

AllocationId

[EC2-VPC] The allocation ID.

DomainName

The domain name to modify for the IP address.

DryRun

Checks whether you have the required permissions for the action, without actually making the request, and provides an error response. If you have the required permissions, the error response is DryRunOperation. Otherwise, it is UnauthorizedOperation.

---

ec2_modify_availability_zone_group
                         Modify Availability Zone Group

Description

Modify Availability Zone Group

Usage

```
ec2_modify_availability_zone_group(
  GroupName,
  OptInStatus,
  DryRun = NULL,
  simplify = TRUE,
  others = list(),
  print_on_error = aws_get_print_on_error(),
  retry_time = aws_get_retry_time(),
  network_timeout = aws_get_network_timeout(),
  region = aws_get_region()
)
```

Arguments

`GroupName`	Character. The name of the Availability Zone group, Local Zone group, or Wavelength Zone group.
`OptInStatus`	Character. Indicates whether you are opted in to the Local Zone group or Wavelength Zone group.
`DryRun`	Logical. Checks whether you have the required permissions for the action, without actually making the request,...[optional]
`simplify`	Logical. Whether to simplify the result and handle `nextToken` in the response[optional]
`others`	Named list. The parameters that are not included in the function parameters and need to be added into the request[optional]
`print_on_error`	Logical. Whether to show an error message when a network error occurs.
`retry_time`	Integer. Number of retries for a REST request when encounter the network issue. If the request has been sent `retry_time` times but still not be able to get the response, an error will be thrown.
`network_timeout`	
	Numeric. Number of seconds to wait for a REST response until giving up. Can not be less than 1 ms.
`region`	Character. The region of the AWS service.

Value

A list object or a character vector

GroupName

The name of the Availability Zone group, Local Zone group, or Wavelength Zone group.

OptInStatus

Indicates whether you are opted in to the Local Zone group or Wavelength Zone group. The only valid value is opted-in. You must contact [AWS Support](#) to opt out of a Local Zone group, or Wavelength Zone group.

DryRun

Checks whether you have the required permissions for the action, without actually making the request, and provides an error response. If you have the required permissions, the error response is `DryRunOperation`. Otherwise, it is `UnauthorizedOperation`.

ec2_modify_capacity_reservation

Modify Capacity Reservation

Description

Modifies a Capacity Reservation\'s capacity and the conditions under which it is to be released. You cannot change a Capacity Reservation\'s instance type, EBS optimization, instance store settings, platform, Availability Zone, or instance eligibility. If you need to modify any of these attributes, we recommend that you cancel the Capacity Reservation, and then create a new one with the required attributes.

Usage

```
ec2_modify_capacity_reservation(
  CapacityReservationId,
  InstanceCount = NULL,
  EndDate = NULL,
  EndDateType = NULL,
  Accept = NULL,
  DryRun = NULL,
  simplify = TRUE,
  others = list(),
  print_on_error = aws_get_print_on_error(),
  retry_time = aws_get_retry_time(),
  network_timeout = aws_get_network_timeout(),
  region = aws_get_region()
)
```

Arguments

CapacityReservationId

Character. The ID of the Capacity Reservation.

InstanceCount   Integer. The number of instances for which to reserve capacity.[optional]

EndDate   Character. The date and time at which the Capacity Reservation expires.[optional]

EndDateType   Character. Indicates the way in which the Capacity Reservation ends.[optional]

Accept   Logical. Reserved. Capacity Reservations you have created are accepted by default.[optional]

DryRun   Logical. Checks whether you have the required permissions for the action, without actually making the request,...[optional]

simplify   Logical. Whether to simplify the result and handle nextToken in the response[optional]

others   Named list. The parameters that are not included in the function parameters and need to be added into the request[optional]

print_on_error   Logical. Whether to show an error message when a network error occurs.

retry_time   Integer. Number of retries for a REST request when encounter the network issue. If the request has been sent `retry_time` times but still not be able to get the response, an error will be thrown.

network_timeout

        Numeric. Number of seconds to wait for a REST response until giving up. Can not be less than 1 ms.

region   Character. The region of the AWS service.

Value

A list object or a character vector

CapacityReservationId

The ID of the Capacity Reservation.

InstanceCount

The number of instances for which to reserve capacity.

EndDate

The date and time at which the Capacity Reservation expires. When a Capacity Reservation expires, the reserved capacity is released and you can no longer launch instances into it. The Capacity Reservation\'s state changes to `expired` when it reaches its end date and time.

The Capacity Reservation is cancelled within an hour from the specified time. For example, if you specify 5/31/2019, 13:30:55, the Capacity Reservation is guaranteed to end between 13:30:55 and 14:30:55 on 5/31/2019.

You must provide an `EndDate` value if `EndDateType` is `limited`. Omit `EndDate` if `EndDateType` is `unlimited`.

EndDateType

Indicates the way in which the Capacity Reservation ends. A Capacity Reservation can have one of the following end types:

- `unlimited` - The Capacity Reservation remains active until you explicitly cancel it. Do not provide an `EndDate` value if `EndDateType` is `unlimited`.

- `limited` - The Capacity Reservation expires automatically at a specified date and time. You must provide an `EndDate` value if `EndDateType` is `limited`.

Accept

Reserved. Capacity Reservations you have created are accepted by default.

DryRun

> Checks whether you have the required permissions for the action, without actually making the request, and provides an error response. If you have the required permissions, the error response is `DryRunOperation`. Otherwise, it is `UnauthorizedOperation`.

---

ec2_modify_client_vpn_endpoint

Modify Client Vpn Endpoint

Description

Modifies the specified Client VPN endpoint. Modifying the DNS server resets existing client connections.

Usage

```
ec2_modify_client_vpn_endpoint(
  ClientVpnEndpointId,
  ServerCertificateArn = NULL,
  ConnectionLogOptions = NULL,
  DnsServers = NULL,
  VpnPort = NULL,
  Description = NULL,
  SplitTunnel = NULL,
  DryRun = NULL,
  SecurityGroupId = NULL,
  VpcId = NULL,
  SelfServicePortal = NULL,
  ClientConnectOptions = NULL,
  simplify = TRUE,
  others = list(),
  print_on_error = aws_get_print_on_error(),
  retry_time = aws_get_retry_time(),
  network_timeout = aws_get_network_timeout(),
  region = aws_get_region()
)
```

Arguments

ClientVpnEndpointId

>   Character. The ID of the Client VPN endpoint to modify.

ServerCertificateArn

>   Character. The ARN of the server certificate to be used.[optional]

ConnectionLogOptions

>   Object. Information about the client connection logging options.[optional]

DnsServers	Object. Information about the DNS servers to be used by Client VPN connections.[optional]
VpnPort	Integer. The port number to assign to the Client VPN endpoint for TCP and UDP traffic.[optional]
Description	Character. A brief description of the Client VPN endpoint.[optional]
SplitTunnel	Logical. Indicates whether the VPN is split-tunnel.[optional]
DryRun	Logical. Checks whether you have the required permissions for the action, without actually making the request,...[optional]
SecurityGroupId	
	List. The IDs of one or more security groups to apply to the target network.[optional]
VpcId	Character. The ID of the VPC to associate with the Client VPN endpoint.[optional]
SelfServicePortal	
	Character. Specify whether to enable the self-service portal for the Client VPN endpoint.[optional]
ClientConnectOptions	
	Object. The options for managing connection authorization for new client connections.[optional]
simplify	Logical. Whether to simplify the result and handle nextToken in the response[optional]
others	Named list. The parameters that are not included in the function parameters and need to be added into the request[optional]
print_on_error	Logical. Whether to show an error message when a network error occurs.
retry_time	Integer. Number of retries for a REST request when encounter the network issue. If the request has been sent retry_time times but still not be able to get the response, an error will be thrown.
network_timeout	
	Numeric. Number of seconds to wait for a REST response until giving up. Can not be less than 1 ms.
region	Character. The region of the AWS service.

Value

A list object or a character vector

ClientVpnEndpointId

The ID of the Client VPN endpoint to modify.

ServerCertificateArn

The ARN of the server certificate to be used. The server certificate must be provisioned in AWS Certificate Manager (ACM).

ConnectionLogOptions

Information about the client connection logging options.

If you enable client connection logging, data about client connections is sent to a Cloudwatch Logs log stream. The following information is logged:

- Client connection requests
- Client connection results (successful and unsuccessful)
- Reasons for unsuccessful client connection requests
- Client connection termination time

DnsServers

Information about the DNS servers to be used by Client VPN connections. A Client VPN endpoint can have up to two DNS servers.

VpnPort

The port number to assign to the Client VPN endpoint for TCP and UDP traffic.

Valid Values: `443 \| 1194`

Default Value: `443`

Description

A brief description of the Client VPN endpoint.

SplitTunnel

Indicates whether the VPN is split-tunnel.

For information about split-tunnel VPN endpoints, see Split-Tunnel AWS Client VPN Endpoint in the *AWS Client VPN Administrator Guide*.

DryRun

Checks whether you have the required permissions for the action, without actually making the request, and provides an error response. If you have the required permissions, the error response is `DryRunOperation`. Otherwise, it is `UnauthorizedOperation`.

SecurityGroupId

The IDs of one or more security groups to apply to the target network.

VpcId

The ID of the VPC to associate with the Client VPN endpoint.

SelfServicePortal

Specify whether to enable the self-service portal for the Client VPN endpoint.

ClientConnectOptions

The options for managing connection authorization for new client connections.

---

ec2_modify_default_credit_specification
Modify Default Credit Specification

Description

Modify Default Credit Specification

Usage

```
ec2_modify_default_credit_specification(
  InstanceFamily,
  CpuCredits,
  DryRun = NULL,
  simplify = TRUE,
  others = list(),
  print_on_error = aws_get_print_on_error(),
  retry_time = aws_get_retry_time(),
  network_timeout = aws_get_network_timeout(),
  region = aws_get_region()
)
```

Arguments

InstanceFamily	Character. The instance family.
CpuCredits	Character. The credit option for CPU usage of the instance family.
DryRun	Logical. Checks whether you have the required permissions for the action, without actually making the request,...[optional]
simplify	Logical. Whether to simplify the result and handle nextToken in the response[optional]
others	Named list. The parameters that are not included in the function parameters and need to be added into the request[optional]
print_on_error	Logical. Whether to show an error message when a network error occurs.
retry_time	Integer. Number of retries for a REST request when encounter the network issue. If the request has been sent retry_time times but still not be able to get the response, an error will be thrown.
network_timeout	Numeric. Number of seconds to wait for a REST response until giving up. Can not be less than 1 ms.
region	Character. The region of the AWS service.

Value

A list object or a character vector

InstanceFamily

The instance family.

CpuCredits

The credit option for CPU usage of the instance family.

Valid Values: `standard \| unlimited`

DryRun

Checks whether you have the required permissions for the action, without actually making the request, and provides an error response. If you have the required permissions, the error response is `DryRunOperation`. Otherwise, it is `UnauthorizedOperation`.

---

ec2_modify_ebs_default_kms_key_id

Modify Ebs Default Kms Key Id

Description

Modify Ebs Default Kms Key Id

Usage

```
ec2_modify_ebs_default_kms_key_id(
  KmsKeyId,
  DryRun = NULL,
  simplify = TRUE,
  others = list(),
  print_on_error = aws_get_print_on_error(),
  retry_time = aws_get_retry_time(),
  network_timeout = aws_get_network_timeout(),
  region = aws_get_region()
)
```

Arguments

KmsKeyId	Character. The identifier of the AWS Key Management Service (AWS KMS) customer master key (CMK) to use for...
DryRun	Logical. Checks whether you have the required permissions for the action, without actually making the request,...[optional]
simplify	Logical. Whether to simplify the result and handle `nextToken` in the response[optional]

others	Named list. The parameters that are not included in the function parameters and need to be added into the request[optional]
print_on_error	Logical. Whether to show an error message when a network error occurs.
retry_time	Integer. Number of retries for a REST request when encounter the network issue. If the request has been sent `retry_time` times but still not be able to get the response, an error will be thrown.
network_timeout	
	Numeric. Number of seconds to wait for a REST response until giving up. Can not be less than 1 ms.
region	Character. The region of the AWS service.

Value

A list object or a character vector

KmsKeyId

The identifier of the AWS Key Management Service (AWS KMS) customer master key (CMK) to use for Amazon EBS encryption. If this parameter is not specified, your AWS managed CMK for EBS is used. If `KmsKeyId` is specified, the encrypted state must be `true`.

You can specify the CMK using any of the following:

- Key ID. For example, 1234abcd-12ab-34cd-56ef-1234567890ab.

- Key alias. For example, alias/ExampleAlias.

- Key ARN. For example, arn:aws:kms:us-east-1:012345678910:key/1234abcd-12ab-34cd-56ef-1234567890ab.

- Alias ARN. For example, arn:aws:kms:us-east-1:012345678910:alias/ExampleAlias.

AWS authenticates the CMK asynchronously. Therefore, if you specify an ID, alias, or ARN that is not valid, the action can appear to complete, but eventually fails.

Amazon EBS does not support asymmetric CMKs.

DryRun

Checks whether you have the required permissions for the action, without actually making the request, and provides an error response. If you have the required permissions, the error response is `DryRunOperation`. Otherwise, it is `UnauthorizedOperation`.

---

ec2_modify_fleet   *Modify Fleet*

Description

Modify Fleet

Usage

```
ec2_modify_fleet(
  FleetId,
  DryRun = NULL,
  ExcessCapacityTerminationPolicy = NULL,
  LaunchTemplateConfig = NULL,
  TargetCapacitySpecification = NULL,
  simplify = TRUE,
  others = list(),
  print_on_error = aws_get_print_on_error(),
  retry_time = aws_get_retry_time(),
  network_timeout = aws_get_network_timeout(),
  region = aws_get_region()
)
```

Arguments

FleetId	Character. The ID of the EC2 Fleet.
DryRun	Logical. Checks whether you have the required permissions for the action, without actually making the request,...[optional]
ExcessCapacityTerminationPolicy	
	Character. Indicates whether running instances should be terminated if the total target capacity of the EC2...[optional]
LaunchTemplateConfig	
	List. The launch template and overrides.[optional]
TargetCapacitySpecification	
	Object. The size of the EC2 Fleet.[optional]
simplify	Logical. Whether to simplify the result and handle nextToken in the response[optional]
others	Named list. The parameters that are not included in the function parameters and need to be added into the request[optional]
print_on_error	Logical. Whether to show an error message when a network error occurs.
retry_time	Integer. Number of retries for a REST request when encounter the network issue. If the request has been sent retry_time times but still not be able to get the response, an error will be thrown.
network_timeout	
	Numeric. Number of seconds to wait for a REST response until giving up. Can not be less than 1 ms.
region	Character. The region of the AWS service.

Value

A list object or a character vector

FleetId

The ID of the EC2 Fleet.

DryRun

Checks whether you have the required permissions for the action, without actually making the request, and provides an error response. If you have the required permissions, the error response is `DryRunOperation`. Otherwise, it is `UnauthorizedOperation`.

ExcessCapacityTerminationPolicy

Indicates whether running instances should be terminated if the total target capacity of the EC2 Fleet is decreased below the current size of the EC2 Fleet.

LaunchTemplateConfig

The launch template and overrides.

TargetCapacitySpecification

The size of the EC2 Fleet.

---

ec2_modify_fpga_image_attribute

Modify Fpga Image Attribute

Description

Modifies the specified attribute of the specified Amazon FPGA Image (AFI).

Usage

```
ec2_modify_fpga_image_attribute(
  FpgaImageId,
  DryRun = NULL,
  Attribute = NULL,
  OperationType = NULL,
  UserId = NULL,
  UserGroup = NULL,
  ProductCode = NULL,
  LoadPermission = NULL,
  Description = NULL,
  Name = NULL,
```

```
    simplify = TRUE,
    others = list(),
    print_on_error = aws_get_print_on_error(),
    retry_time = aws_get_retry_time(),
    network_timeout = aws_get_network_timeout(),
    region = aws_get_region()
)
```

Arguments

FpgaImageId	Character. The ID of the AFI.
DryRun	Logical. Checks whether you have the required permissions for the action, without actually making the request,...[optional]
Attribute	Character. The name of the attribute.[optional]
OperationType	Character. The operation type.[optional]
UserId	List. The AWS account IDs. This parameter is valid only when modifying the loadPermission attribute.[optional]
UserGroup	List. The user groups. This parameter is valid only when modifying the loadPermission attribute.[optional]
ProductCode	List. The product codes.[optional]
LoadPermission	Object. The load permission for the AFI.[optional]
Description	Character. A description for the AFI.[optional]
Name	Character. A name for the AFI.[optional]
simplify	Logical. Whether to simplify the result and handle nextToken in the response[optional]
others	Named list. The parameters that are not included in the function parameters and need to be added into the request[optional]
print_on_error	Logical. Whether to show an error message when a network error occurs.
retry_time	Integer. Number of retries for a REST request when encounter the network issue. If the request has been sent retry_time times but still not be able to get the response, an error will be thrown.
network_timeout	
	Numeric. Number of seconds to wait for a REST response until giving up. Can not be less than 1 ms.
region	Character. The region of the AWS service.

Value

A list object or a character vector

FpgaImageId

The ID of the AFI.

DryRun

Checks whether you have the required permissions for the action, without actually making the request, and provides an error response. If you have the required permissions, the error response is `DryRunOperation`. Otherwise, it is `UnauthorizedOperation`.

Attribute

The name of the attribute.

OperationType

The operation type.

UserId

The AWS account IDs. This parameter is valid only when modifying the `loadPermission` attribute.

UserGroup

The user groups. This parameter is valid only when modifying the `loadPermission` attribute.

ProductCode

The product codes. After you add a product code to an AFI, it can\'t be removed. This parameter is valid only when modifying the `productCodes` attribute.

LoadPermission

The load permission for the AFI.

Description

A description for the AFI.

Name

A name for the AFI.

ec2_modify_hosts   *Modify Hosts*

Description

Modify Hosts

Usage

```
ec2_modify_hosts(
  HostId,
  AutoPlacement = NULL,
  HostRecovery = NULL,
  InstanceType = NULL,
  InstanceFamily = NULL,
  simplify = TRUE,
  others = list(),
  print_on_error = aws_get_print_on_error(),
  retry_time = aws_get_retry_time(),
  network_timeout = aws_get_network_timeout(),
  region = aws_get_region()
)
```

Arguments

HostId	List. The IDs of the Dedicated Hosts to modify.
AutoPlacement	Character. Specify whether to enable or disable auto-placement.[optional]
HostRecovery	Character. Indicates whether to enable or disable host recovery for the Dedicated Host.[optional]
InstanceType	Character. Specifies the instance type to be supported by the Dedicated Host.[optional]
InstanceFamily	Character. Specifies the instance family to be supported by the Dedicated Host.[optional]
simplify	Logical. Whether to simplify the result and handle nextToken in the response[optional]
others	Named list. The parameters that are not included in the function parameters and need to be added into the request[optional]
print_on_error	Logical. Whether to show an error message when a network error occurs.
retry_time	Integer. Number of retries for a REST request when encounter the network issue. If the request has been sent retry_time times but still not be able to get the response, an error will be thrown.
network_timeout	
	Numeric. Number of seconds to wait for a REST response until giving up. Can not be less than 1 ms.
region	Character. The region of the AWS service.

Value

A list object or a character vector

HostId

The IDs of the Dedicated Hosts to modify.

AutoPlacement

Specify whether to enable or disable auto-placement.

HostRecovery

Indicates whether to enable or disable host recovery for the Dedicated Host. For more information, see Host recovery in the *Amazon EC2 User Guide*.

InstanceType

Specifies the instance type to be supported by the Dedicated Host. Specify this parameter to modify a Dedicated Host to support only a specific instance type.

If you want to modify a Dedicated Host to support multiple instance types in its current instance family, omit this parameter and specify **InstanceFamily** instead. You cannot specify **InstanceType** and **InstanceFamily** in the same request.

InstanceFamily

Specifies the instance family to be supported by the Dedicated Host. Specify this parameter to modify a Dedicated Host to support multiple instance types within its current instance family.

If you want to modify a Dedicated Host to support a specific instance type only, omit this parameter and specify **InstanceType** instead. You cannot specify **InstanceFamily** and **InstanceType** in the same request.

---

ec2_modify_identity_id_format

Modify Identity Id Format

Description

Modify Identity Id Format

Usage

```
ec2_modify_identity_id_format(
  PrincipalArn,
  Resource,
  UseLongIds,
  simplify = TRUE,
  others = list(),
  print_on_error = aws_get_print_on_error(),
  retry_time = aws_get_retry_time(),
  network_timeout = aws_get_network_timeout(),
  region = aws_get_region()
)
```

Arguments

PrincipalArn	Character. The ARN of the principal, which can be an IAM user, IAM role, or the root user.
Resource	Character. The type of resource: bundle | conversion-task | customer-gateway | dhcp-options |...
UseLongIds	Logical. Indicates whether the resource should use longer IDs (17-character IDs)
simplify	Logical. Whether to simplify the result and handle nextToken in the response[optional]
others	Named list. The parameters that are not included in the function parameters and need to be added into the request[optional]
print_on_error	Logical. Whether to show an error message when a network error occurs.
retry_time	Integer. Number of retries for a REST request when encounter the network issue. If the request has been sent retry_time times but still not be able to get the response, an error will be thrown.
network_timeout	
	Numeric. Number of seconds to wait for a REST response until giving up. Can not be less than 1 ms.
region	Character. The region of the AWS service.

Value

A list object or a character vector

PrincipalArn

The ARN of the principal, which can be an IAM user, IAM role, or the root user. Specify all to modify the ID format for all IAM users, IAM roles, and the root user of the account.

Resource

The type of resource: bundle \| conversion-task \| customer-gateway \| dhcp-options \| elastic-ip-allocation \| elastic-ip-association \| export-task \| flow-log \| image \| import-task \| internet-gateway

\| network-acl \| network-acl-association \| network-interface \| network-interface-attachment
\| prefix-list \| route-table \| route-table-association \| security-group \| subnet \|
subnet-cidr-block-association \| vpc \| vpc-cidr-block-association \| vpc-endpoint \|
vpc-peering-connection \| vpn-connection \| vpn-gateway.

Alternatively, use the `all-current` option to include all resource types that are currently within their opt-in period for longer IDs.

UseLongIds

Indicates whether the resource should use longer IDs (17-character IDs)

`ec2_modify_id_format`   *Modify Id Format*

Description

Modify Id Format

Usage

```
ec2_modify_id_format(
  Resource,
  UseLongIds,
  simplify = TRUE,
  others = list(),
  print_on_error = aws_get_print_on_error(),
  retry_time = aws_get_retry_time(),
  network_timeout = aws_get_network_timeout(),
  region = aws_get_region()
)
```

Arguments

Resource	Character. The type of resource: bundle | conversion-task | customer-gateway | dhcp-options |...
UseLongIds	Logical. Indicate whether the resource should use longer IDs (17-character IDs).
simplify	Logical. Whether to simplify the result and handle `nextToken` in the response[optional]
others	Named list. The parameters that are not included in the function parameters and need to be added into the request[optional]
print_on_error	Logical. Whether to show an error message when a network error occurs.
retry_time	Integer. Number of retries for a REST request when encounter the network issue. If the request has been sent `retry_time` times but still not be able to get the response, an error will be thrown.
network_timeout	
	Numeric. Number of seconds to wait for a REST response until giving up. Can not be less than 1 ms.
region	Character. The region of the AWS service.

Value

A list object or a character vector

Resource

The type of resource: bundle \| conversion-task \| customer-gateway \| dhcp-options \| elastic-ip-allocation \| elastic-ip-association \| export-task \| flow-log \| image \| import-task \| internet-gateway \| network-acl \| network-acl-association \| network-interface \| network-interface-attachment \| prefix-list \| route-table \| route-table-association \| security-group \| subnet \| subnet-cidr-block-association \| vpc \| vpc-cidr-block-association \| vpc-endpoint \| vpc-peering-connection \| vpn-connection \| vpn-gateway.

Alternatively, use the all-current option to include all resource types that are currently within their opt-in period for longer IDs.

UseLongIds

Indicate whether the resource should use longer IDs (17-character IDs).

---

ec2_modify_image_attribute

Modify Image Attribute

Description

Modify Image Attribute

Usage

```
ec2_modify_image_attribute(
  ImageId,
  Attribute = NULL,
  Description = NULL,
  LaunchPermission = NULL,
  OperationType = NULL,
  ProductCode = NULL,
  UserGroup = NULL,
  UserId = NULL,
  Value = NULL,
  DryRun = NULL,
  simplify = TRUE,
  others = list(),
  print_on_error = aws_get_print_on_error(),
  retry_time = aws_get_retry_time(),
  network_timeout = aws_get_network_timeout(),
  region = aws_get_region()
)
```

Arguments

`ImageId`	Character. The ID of the AMI.
`Attribute`	Character. The name of the attribute to modify.[optional]
`Description`	Object. A new description for the AMI.[optional]
`LaunchPermission`	
	Object. A new launch permission for the AMI.[optional]
`OperationType`	Character. The operation type.[optional]
`ProductCode`	List. The DevPay product codes. After you add a product code to an AMI, it can\'t be removed.[optional]
`UserGroup`	List. The user groups.[optional]
`UserId`	List. The AWS account IDs.[optional]
`Value`	Character. The value of the attribute being modified.[optional]
`DryRun`	Logical. Checks whether you have the required permissions for the action, without actually making the request,...[optional]
`simplify`	Logical. Whether to simplify the result and handle `nextToken` in the response[optional]
`others`	Named list. The parameters that are not included in the function parameters and need to be added into the request[optional]
`print_on_error`	Logical. Whether to show an error message when a network error occurs.
`retry_time`	Integer. Number of retries for a REST request when encounter the network issue. If the request has been sent `retry_time` times but still not be able to get the response, an error will be thrown.
`network_timeout`	
	Numeric. Number of seconds to wait for a REST response until giving up. Can not be less than 1 ms.
`region`	Character. The region of the AWS service.

Value

A list object or a character vector

ImageId

The ID of the AMI.

Attribute

The name of the attribute to modify. The valid values are `description`, `launchPermission`, and `productCodes`.

Description

A new description for the AMI.

LaunchPermission

A new launch permission for the AMI.

OperationType

The operation type. This parameter can be used only when the `Attribute` parameter is `launchPermission`.

ProductCode

The DevPay product codes. After you add a product code to an AMI, it can\'t be removed.

UserGroup

The user groups. This parameter can be used only when the `Attribute` parameter is `launchPermission`.

UserId

The AWS account IDs. This parameter can be used only when the `Attribute` parameter is `launchPermission`.

Value

The value of the attribute being modified. This parameter can be used only when the `Attribute` parameter is `description` or `productCodes`.

DryRun

Checks whether you have the required permissions for the action, without actually making the request, and provides an error response. If you have the required permissions, the error response is `DryRunOperation`. Otherwise, it is `UnauthorizedOperation`.

---

ec2_modify_instance_attribute

Modify Instance Attribute

Description

Modify Instance Attribute

Usage

```
ec2_modify_instance_attribute(
  InstanceId,
  SourceDestCheck = NULL,
  Attribute = NULL,
  BlockDeviceMapping = NULL,
  DisableApiTermination = NULL,
  DryRun = NULL,
  EbsOptimized = NULL,
```

```
        EnaSupport = NULL,
        GroupId = NULL,
        InstanceInitiatedShutdownBehavior = NULL,
        InstanceType = NULL,
        Kernel = NULL,
        Ramdisk = NULL,
        SriovNetSupport = NULL,
        UserData = NULL,
        Value = NULL,
        simplify = TRUE,
        others = list(),
        print_on_error = aws_get_print_on_error(),
        retry_time = aws_get_retry_time(),
        network_timeout = aws_get_network_timeout(),
        region = aws_get_region()
    )
```

Arguments

InstanceId   Character. The ID of the instance.

SourceDestCheck

                  Object. Specifies whether source/destination checking is enabled.[optional]

Attribute   Character. The name of the attribute.[optional]

BlockDeviceMapping

                  List. Modifies the `DeleteOnTermination` attribute for volumes that are currently attached.[optional]

DisableApiTermination

                  Object. If the value is `true`, you can\'t terminate the instance using the Amazon EC2 console, CLI, or API;...[optional]

DryRun   Logical. Checks whether you have the required permissions for the action, without actually making the request,...[optional]

EbsOptimized   Object. Specifies whether the instance is optimized for Amazon EBS I/O.[optional]

EnaSupport   Object. Set to `true` to enable enhanced networking with ENA for the instance.[optional]

GroupId   List. [EC2-VPC] Changes the security groups of the instance.[optional]

InstanceInitiatedShutdownBehavior

                  Object. Specifies whether an instance stops or terminates when you initiate shutdown from the instance (using the operating system command for system shutdown)....[optional]

InstanceType   Object. Changes the instance type to the specified value.[optional]

Kernel   Object. Changes the instance\'s kernel to the specified value.[optional]

Ramdisk   Object. Changes the instance\'s RAM disk to the specified value.[optional]

SriovNetSupport

                  Object. Set to `simple` to enable enhanced networking with the Intel 82599 Virtual Function interface for...[optional]

UserData   Object. Changes the instance\'s user data to the specified value.[optional]

Value	Character. A new value for the attribute.[optional]
simplify	Logical. Whether to simplify the result and handle nextToken in the response[optional]
others	Named list. The parameters that are not included in the function parameters and need to be added into the request[optional]
print_on_error	Logical. Whether to show an error message when a network error occurs.
retry_time	Integer. Number of retries for a REST request when encounter the network issue. If the request has been sent retry_time times but still not be able to get the response, an error will be thrown.
network_timeout	
	Numeric. Number of seconds to wait for a REST response until giving up. Can not be less than 1 ms.
region	Character. The region of the AWS service.

Value

A list object or a character vector

InstanceId

The ID of the instance.

SourceDestCheck

Specifies whether source/destination checking is enabled. A value of true means that checking is enabled, and false means that checking is disabled. This value must be false for a NAT instance to perform NAT.

Attribute

The name of the attribute.

BlockDeviceMapping

Modifies the DeleteOnTermination attribute for volumes that are currently attached. The volume must be owned by the caller. If no value is specified for DeleteOnTermination, the default is true and the volume is deleted when the instance is terminated.

To add instance store volumes to an Amazon EBS-backed instance, you must add them when you launch the instance. For more information, see Updating the block device mapping when launching an instance in the *Amazon EC2 User Guide*.

DisableApiTermination

If the value is true, you can\'t terminate the instance using the Amazon EC2 console, CLI, or API; otherwise, you can. You cannot use this parameter for Spot Instances.

DryRun

Checks whether you have the required permissions for the action, without actually making the request, and provides an error response. If you have the required permissions, the error response is `DryRunOperation`. Otherwise, it is `UnauthorizedOperation`.

EbsOptimized

Specifies whether the instance is optimized for Amazon EBS I/O. This optimization provides dedicated throughput to Amazon EBS and an optimized configuration stack to provide optimal EBS I/O performance. This optimization isn\'t available with all instance types. Additional usage charges apply when using an EBS Optimized instance.

EnaSupport

Set to `true` to enable enhanced networking with ENA for the instance.

This option is supported only for HVM instances. Specifying this option with a PV instance can make it unreachable.

GroupId

[EC2-VPC] Changes the security groups of the instance. You must specify at least one security group, even if it\'s just the default security group for the VPC. You must specify the security group ID, not the security group name.

InstanceInitiatedShutdownBehavior

Specifies whether an instance stops or terminates when you initiate shutdown from the instance (using the operating system command for system shutdown).

InstanceType

Changes the instance type to the specified value. For more information, see Instance types in the *Amazon EC2 User Guide*. If the instance type is not valid, the error returned is `InvalidInstanceAttributeValue`.

Kernel

Changes the instance\'s kernel to the specified value. We recommend that you use PV-GRUB instead of kernels and RAM disks. For more information, see PV-GRUB.

Ramdisk

Changes the instance\'s RAM disk to the specified value. We recommend that you use PV-GRUB instead of kernels and RAM disks. For more information, see PV-GRUB.

SriovNetSupport

Set to `simple` to enable enhanced networking with the Intel 82599 Virtual Function interface for the instance.

There is no way to disable enhanced networking with the Intel 82599 Virtual Function interface at this time.

This option is supported only for HVM instances. Specifying this option with a PV instance can make it unreachable.

UserData

Changes the instance\'s user data to the specified value. If you are using an AWS SDK or command line tool, base64-encoding is performed for you, and you can load the text from a file. Otherwise, you must provide base64-encoded text.

Value

A new value for the attribute. Use only with the `kernel`, `ramdisk`, `userData`, `disableApiTermination`, or `instanceInitiatedShutdownBehavior` attribute.

---

ec2_modify_instance_capacity_reservation_attributes
Modify Instance Capacity Reservation Attributes

Description

Modifies the Capacity Reservation settings for a stopped instance. Use this action to configure an instance to target a specific Capacity Reservation, run in any open Capacity Reservation with matching attributes, or run On-Demand Instance capacity.

Usage

```
ec2_modify_instance_capacity_reservation_attributes(
  InstanceId,
  CapacityReservationSpecification,
  DryRun = NULL,
  simplify = TRUE,
  others = list(),
  print_on_error = aws_get_print_on_error(),
  retry_time = aws_get_retry_time(),
  network_timeout = aws_get_network_timeout(),
  region = aws_get_region()
)
```

Arguments

`InstanceId`	Character. The ID of the instance to be modified.
`CapacityReservationSpecification`	
	Object. Information about the Capacity Reservation targeting option.
`DryRun`	Logical. Checks whether you have the required permissions for the action, without actually making the request,...[optional]
`simplify`	Logical. Whether to simplify the result and handle `nextToken` in the response[optional]
`others`	Named list. The parameters that are not included in the function parameters and need to be added into the request[optional]
`print_on_error`	Logical. Whether to show an error message when a network error occurs.
`retry_time`	Integer. Number of retries for a REST request when encounter the network issue. If the request has been sent `retry_time` times but still not be able to get the response, an error will be thrown.
`network_timeout`	
	Numeric. Number of seconds to wait for a REST response until giving up. Can not be less than 1 ms.
`region`	Character. The region of the AWS service.

Value

A list object or a character vector

InstanceId

The ID of the instance to be modified.

CapacityReservationSpecification

Information about the Capacity Reservation targeting option.

DryRun

Checks whether you have the required permissions for the action, without actually making the request, and provides an error response. If you have the required permissions, the error response is `DryRunOperation`. Otherwise, it is `UnauthorizedOperation`.

`ec2_modify_instance_credit_specification`
Modify Instance Credit Specification

Description

Modify Instance Credit Specification

Usage

```
ec2_modify_instance_credit_specification(
  InstanceCreditSpecification,
  DryRun = NULL,
  ClientToken = NULL,
  simplify = TRUE,
  others = list(),
  print_on_error = aws_get_print_on_error(),
  retry_time = aws_get_retry_time(),
  network_timeout = aws_get_network_timeout(),
  region = aws_get_region()
)
```

Arguments

InstanceCreditSpecification

> List. Information about the credit option for CPU usage.

DryRun   Logical. Checks whether you have the required permissions for the action, without actually making the request,...[optional]

ClientToken   Character. A unique, case-sensitive token that you provide to ensure idempotency of your modification request.[optional]

simplify   Logical. Whether to simplify the result and handle nextToken in the response[optional]

others   Named list. The parameters that are not included in the function parameters and need to be added into the request[optional]

print_on_error Logical. Whether to show an error message when a network error occurs.

retry_time   Integer. Number of retries for a REST request when encounter the network issue. If the request has been sent retry_time times but still not be able to get the response, an error will be thrown.

network_timeout

> Numeric. Number of seconds to wait for a REST response until giving up. Can not be less than 1 ms.

region   Character. The region of the AWS service.

Value

A list object or a character vector

InstanceCreditSpecification

Information about the credit option for CPU usage.

DryRun

Checks whether you have the required permissions for the action, without actually making the request, and provides an error response. If you have the required permissions, the error response is DryRunOperation. Otherwise, it is UnauthorizedOperation.

ClientToken

A unique, case-sensitive token that you provide to ensure idempotency of your modification request. For more information, see Ensuring Idempotency.

---

ec2_modify_instance_event_start_time
Modify Instance Event Start Time

Description

Modifies the start time for a scheduled Amazon EC2 instance event.

Usage

```
ec2_modify_instance_event_start_time(
  InstanceId,
  InstanceEventId,
  NotBefore,
  DryRun = NULL,
  simplify = TRUE,
  others = list(),
  print_on_error = aws_get_print_on_error(),
  retry_time = aws_get_retry_time(),
  network_timeout = aws_get_network_timeout(),
  region = aws_get_region()
)
```

Arguments

InstanceId InstanceEventId	Character. The ID of the instance with the scheduled event.
	Character. The ID of the event whose date and time you are modifying.
NotBefore	Character. The new date and time when the event will take place.
DryRun	Logical. Checks whether you have the required permissions for the action, without actually making the request,...[optional]
simplify	Logical. Whether to simplify the result and handle nextToken in the response[optional]
others	Named list. The parameters that are not included in the function parameters and need to be added into the request[optional]
print_on_error	Logical. Whether to show an error message when a network error occurs.
retry_time	Integer. Number of retries for a REST request when encounter the network issue. If the request has been sent retry_time times but still not be able to get the response, an error will be thrown.
network_timeout	Numeric. Number of seconds to wait for a REST response until giving up. Can not be less than 1 ms.
region	Character. The region of the AWS service.

Value

A list object or a character vector

InstanceId

The ID of the instance with the scheduled event.

InstanceEventId

The ID of the event whose date and time you are modifying.

NotBefore

The new date and time when the event will take place.

DryRun

Checks whether you have the required permissions for the action, without actually making the request, and provides an error response. If you have the required permissions, the error response is `DryRunOperation`. Otherwise, it is `UnauthorizedOperation`.

---

ec2_modify_instance_metadata_options

Modify Instance Metadata Options

Description

Modify the instance metadata parameters on a running or stopped instance. When you modify the parameters on a stopped instance, they are applied when the instance is started. When you modify the parameters on a running instance, the API responds with a state of *pending*. After the parameter modifications are successfully applied to the instance, the state of the modifications changes from *pending* to *applied* in subsequent describe-instances API calls. For more information, see Instance metadata and user data in the *Amazon EC2 User Guide*.

Usage

```
ec2_modify_instance_metadata_options(
  InstanceId,
  HttpTokens = NULL,
  HttpPutResponseHopLimit = NULL,
  HttpEndpoint = NULL,
  DryRun = NULL,
  simplify = TRUE,
  others = list(),
  print_on_error = aws_get_print_on_error(),
  retry_time = aws_get_retry_time(),
  network_timeout = aws_get_network_timeout(),
  region = aws_get_region()
)
```

Arguments

InstanceId	Character. The ID of the instance.
HttpTokens	Character. The state of token usage for your instance metadata requests.[optional]
HttpPutResponseHopLimit	
	Integer. The desired HTTP PUT response hop limit for instance metadata requests.[optional]
HttpEndpoint	Character. This parameter enables or disables the HTTP metadata endpoint on your instances.[optional]
DryRun	Logical. Checks whether you have the required permissions for the action, without actually making the request,...[optional]
simplify	Logical. Whether to simplify the result and handle nextToken in the response[optional]
others	Named list. The parameters that are not included in the function parameters and need to be added into the request[optional]
print_on_error	Logical. Whether to show an error message when a network error occurs.
retry_time	Integer. Number of retries for a REST request when encounter the network issue. If the request has been sent retry_time times but still not be able to get the response, an error will be thrown.
network_timeout	
	Numeric. Number of seconds to wait for a REST response until giving up. Can not be less than 1 ms.
region	Character. The region of the AWS service.

Value

A list object or a character vector

InstanceId

The ID of the instance.

HttpTokens

The state of token usage for your instance metadata requests. If the parameter is not specified in the request, the default state is optional.

If the state is optional, you can choose to retrieve instance metadata with or without a signed token header on your request. If you retrieve the IAM role credentials without a token, the version 1.0 role credentials are returned. If you retrieve the IAM role credentials using a valid signed token, the version 2.0 role credentials are returned.

If the state is required, you must send a signed token header with any instance metadata retrieval requests. In this state, retrieving the IAM role credential always returns the version 2.0 credentials; the version 1.0 credentials are not available.

HttpPutResponseHopLimit

The desired HTTP PUT response hop limit for instance metadata requests. The larger the number, the further instance metadata requests can travel. If no parameter is specified, the existing state is maintained.

Possible values: Integers from 1 to 64

HttpEndpoint

This parameter enables or disables the HTTP metadata endpoint on your instances. If the parameter is not specified, the existing state is maintained.

If you specify a value of `disabled`, you will not be able to access your instance metadata.

DryRun

Checks whether you have the required permissions for the action, without actually making the request, and provides an error response. If you have the required permissions, the error response is `DryRunOperation`. Otherwise, it is `UnauthorizedOperation`.

---

ec2_modify_instance_placement

Modify Instance Placement

Description

Modify Instance Placement

Usage

```
ec2_modify_instance_placement(
  InstanceId,
  Affinity = NULL,
  GroupName = NULL,
  HostId = NULL,
  Tenancy = NULL,
  PartitionNumber = NULL,
  HostResourceGroupArn = NULL,
  simplify = TRUE,
  others = list(),
  print_on_error = aws_get_print_on_error(),
  retry_time = aws_get_retry_time(),
  network_timeout = aws_get_network_timeout(),
  region = aws_get_region()
)
```

Arguments

InstanceId	Character. The ID of the instance that you are modifying.
Affinity	Character. The affinity setting for the instance.[optional]
GroupName	Character. The name of the placement group in which to place the instance.[optional]
HostId	Character. The ID of the Dedicated Host with which to associate the instance.[optional]
Tenancy	Character. The tenancy for the instance.[optional]
PartitionNumber	
	Integer. Reserved for future use.[optional]
HostResourceGroupArn	
	Character. The ARN of the host resource group in which to place the instance.[optional]
simplify	Logical. Whether to simplify the result and handle nextToken in the response[optional]
others	Named list. The parameters that are not included in the function parameters and need to be added into the request[optional]
print_on_error	Logical. Whether to show an error message when a network error occurs.
retry_time	Integer. Number of retries for a REST request when encounter the network issue. If the request has been sent retry_time times but still not be able to get the response, an error will be thrown.
network_timeout	
	Numeric. Number of seconds to wait for a REST response until giving up. Can not be less than 1 ms.
region	Character. The region of the AWS service.

Value

A list object or a character vector

InstanceId

The ID of the instance that you are modifying.

Affinity

The affinity setting for the instance.

GroupName

The name of the placement group in which to place the instance. For spread placement groups, the instance must have a tenancy of default. For cluster and partition placement groups, the instance must have a tenancy of default or dedicated.

To remove an instance from a placement group, specify an empty string (\'\').

HostId

The ID of the Dedicated Host with which to associate the instance.

Tenancy

The tenancy for the instance.

PartitionNumber

Reserved for future use.

HostResourceGroupArn

The ARN of the host resource group in which to place the instance.

---

ec2_modify_launch_template
                              Modify Launch Template

Description

Modifies a launch template. You can specify which version of the launch template to set as the default version. When launching an instance, the default version applies when a launch template version is not specified.

Usage

```
ec2_modify_launch_template(
  DryRun = NULL,
  ClientToken = NULL,
  LaunchTemplateId = NULL,
  LaunchTemplateName = NULL,
  SetDefaultVersion = NULL,
  simplify = TRUE,
  others = list(),
  print_on_error = aws_get_print_on_error(),
  retry_time = aws_get_retry_time(),
  network_timeout = aws_get_network_timeout(),
  region = aws_get_region()
)
```

Arguments

DryRun	Logical. Checks whether you have the required permissions for the action, without actually making the request,...[optional]
ClientToken	Character. Unique, case-sensitive identifier you provide to ensure the idempotency of the request.[optional]
LaunchTemplateId	
	Character. The ID of the launch template.[optional]

LaunchTemplateName

    Character. The name of the launch template.[optional]

SetDefaultVersion

    Character. The version number of the launch template to set as the default version.[optional]

simplify   Logical. Whether to simplify the result and handle `nextToken` in the response[optional]

others   Named list. The parameters that are not included in the function parameters and need to be added into the request[optional]

print_on_error Logical. Whether to show an error message when a network error occurs.

retry_time   Integer. Number of retries for a REST request when encounter the network issue. If the request has been sent `retry_time` times but still not be able to get the response, an error will be thrown.

network_timeout

    Numeric. Number of seconds to wait for a REST response until giving up. Can not be less than 1 ms.

region   Character. The region of the AWS service.

Value

A list object or a character vector

DryRun

Checks whether you have the required permissions for the action, without actually making the request, and provides an error response. If you have the required permissions, the error response is `DryRunOperation`. Otherwise, it is `UnauthorizedOperation`.

ClientToken

Unique, case-sensitive identifier you provide to ensure the idempotency of the request. For more information, see Ensuring Idempotency.

Constraint: Maximum 128 ASCII characters.

LaunchTemplateId

The ID of the launch template. You must specify either the launch template ID or launch template name in the request.

LaunchTemplateName

The name of the launch template. You must specify either the launch template ID or launch template name in the request.

SetDefaultVersion

The version number of the launch template to set as the default version.

---

ec2_modify_managed_prefix_list

Modify Managed Prefix List

Description

Modify Managed Prefix List

Usage

```
ec2_modify_managed_prefix_list(
  PrefixListId,
  DryRun = NULL,
  CurrentVersion = NULL,
  PrefixListName = NULL,
  AddEntry = NULL,
  RemoveEntry = NULL,
  simplify = TRUE,
  others = list(),
  print_on_error = aws_get_print_on_error(),
  retry_time = aws_get_retry_time(),
  network_timeout = aws_get_network_timeout(),
  region = aws_get_region()
)
```

Arguments

PrefixListId	Character. The ID of the prefix list.
DryRun	Logical. Checks whether you have the required permissions for the action, without actually making the request,...[optional]
CurrentVersion	Integer. The current version of the prefix list.[optional]
PrefixListName	Character. A name for the prefix list.[optional]
AddEntry	List. One or more entries to add to the prefix list.[optional]
RemoveEntry	List. One or more entries to remove from the prefix list.[optional]
simplify	Logical. Whether to simplify the result and handle nextToken in the response[optional]
others	Named list. The parameters that are not included in the function parameters and need to be added into the request[optional]
print_on_error	Logical. Whether to show an error message when a network error occurs.
retry_time	Integer. Number of retries for a REST request when encounter the network issue. If the request has been sent retry_time times but still not be able to get the response, an error will be thrown.
network_timeout	
	Numeric. Number of seconds to wait for a REST response until giving up. Can not be less than 1 ms.
region	Character. The region of the AWS service.

Value

A list object or a character vector

PrefixListId

The ID of the prefix list.

DryRun

Checks whether you have the required permissions for the action, without actually making the request, and provides an error response. If you have the required permissions, the error response is DryRunOperation. Otherwise, it is UnauthorizedOperation.

CurrentVersion

The current version of the prefix list.

PrefixListName

A name for the prefix list.

AddEntry

One or more entries to add to the prefix list.

RemoveEntry

One or more entries to remove from the prefix list.

---

ec2_modify_network_interface_attribute
Modify Network Interface Attribute

Description

Modifies the specified network interface attribute. You can specify only one attribute at a time. You can use this action to attach and detach security groups from an existing EC2 instance.

Usage

```
ec2_modify_network_interface_attribute(
  NetworkInterfaceId,
  Attachment = NULL,
  Description = NULL,
  DryRun = NULL,
  SecurityGroupId = NULL,
  SourceDestCheck = NULL,
  simplify = TRUE,
```

```
    others = list(),
    print_on_error = aws_get_print_on_error(),
    retry_time = aws_get_retry_time(),
    network_timeout = aws_get_network_timeout(),
    region = aws_get_region()
)
```

Arguments

NetworkInterfaceId

> Character. The ID of the network interface.

Attachment   Object. Information about the interface attachment.[optional]

Description   Object. A description for the network interface.[optional]

DryRun   Logical. Checks whether you have the required permissions for the action, without actually making the request,...[optional]

SecurityGroupId

> List. Changes the security groups for the network interface.[optional]

SourceDestCheck

> Object. Indicates whether source/destination checking is enabled.[optional]

simplify   Logical. Whether to simplify the result and handle nextToken in the response[optional]

others   Named list. The parameters that are not included in the function parameters and need to be added into the request[optional]

print_on_error   Logical. Whether to show an error message when a network error occurs.

retry_time   Integer. Number of retries for a REST request when encounter the network issue. If the request has been sent retry_time times but still not be able to get the response, an error will be thrown.

network_timeout

> Numeric. Number of seconds to wait for a REST response until giving up. Can not be less than 1 ms.

region   Character. The region of the AWS service.

Value

A list object or a character vector

NetworkInterfaceId

The ID of the network interface.

Attachment

Information about the interface attachment. If modifying the \'delete on termination\' attribute, you must specify the ID of the interface attachment.

Description

A description for the network interface.

DryRun

Checks whether you have the required permissions for the action, without actually making the request, and provides an error response. If you have the required permissions, the error response is `DryRunOperation`. Otherwise, it is `UnauthorizedOperation`.

SecurityGroupId

Changes the security groups for the network interface. The new set of groups you specify replaces the current set. You must specify at least one group, even if it\'s just the default security group in the VPC. You must specify the ID of the security group, not the name.

SourceDestCheck

Indicates whether source/destination checking is enabled. A value of `true` means checking is enabled, and `false` means checking is disabled. This value must be `false` for a NAT instance to perform NAT. For more information, see NAT Instances in the *Amazon Virtual Private Cloud User Guide*.

---

ec2_modify_reserved_instances
Modify Reserved Instances

Description

Modify Reserved Instances

Usage

```
ec2_modify_reserved_instances(
  ReservedInstancesId,
  ReservedInstancesConfigurationSetItemType,
  ClientToken = NULL,
  simplify = TRUE,
  others = list(),
  print_on_error = aws_get_print_on_error(),
  retry_time = aws_get_retry_time(),
  network_timeout = aws_get_network_timeout(),
  region = aws_get_region()
)
```

Arguments

ReservedInstancesId

List. The IDs of the Reserved Instances to modify.

ReservedInstancesConfigurationSetItemType

List. The configuration settings for the Reserved Instances to modify.

ClientToken	Character. A unique, case-sensitive token you provide to ensure idempotency of your modification request.[optional]
simplify	Logical. Whether to simplify the result and handle nextToken in the response[optional]
others	Named list. The parameters that are not included in the function parameters and need to be added into the request[optional]
print_on_error	Logical. Whether to show an error message when a network error occurs.
retry_time	Integer. Number of retries for a REST request when encounter the network issue. If the request has been sent retry_time times but still not be able to get the response, an error will be thrown.
network_timeout	
	Numeric. Number of seconds to wait for a REST response until giving up. Can not be less than 1 ms.
region	Character. The region of the AWS service.

Value

A list object or a character vector

ReservedInstancesId

The IDs of the Reserved Instances to modify.

ReservedInstancesConfigurationSetItemType

The configuration settings for the Reserved Instances to modify.

ClientToken

A unique, case-sensitive token you provide to ensure idempotency of your modification request. For more information, see Ensuring Idempotency.

---

ec2_modify_snapshot_attribute

Modify Snapshot Attribute

Description

Modify Snapshot Attribute

Usage

```
ec2_modify_snapshot_attribute(
  SnapshotId,
  Attribute = NULL,
  CreateVolumePermission = NULL,
  UserGroup = NULL,
  OperationType = NULL,
  UserId = NULL,
  DryRun = NULL,
  simplify = TRUE,
  others = list(),
  print_on_error = aws_get_print_on_error(),
  retry_time = aws_get_retry_time(),
  network_timeout = aws_get_network_timeout(),
  region = aws_get_region()
)
```

Arguments

SnapshotId	Character. The ID of the snapshot.
Attribute	Character. The snapshot attribute to modify. Only volume creation permissions can be modified.[optional]
CreateVolumePermission	
	Object. A JSON representation of the snapshot attribute modification.[optional]
UserGroup	List. The group to modify for the snapshot.[optional]
OperationType	Character. The type of operation to perform to the attribute.[optional]
UserId	List. The account ID to modify for the snapshot.[optional]
DryRun	Logical. Checks whether you have the required permissions for the action, without actually making the request,...[optional]
simplify	Logical. Whether to simplify the result and handle nextToken in the response[optional]
others	Named list. The parameters that are not included in the function parameters and need to be added into the request[optional]
print_on_error	Logical. Whether to show an error message when a network error occurs.
retry_time	Integer. Number of retries for a REST request when encounter the network issue. If the request has been sent retry_time times but still not be able to get the response, an error will be thrown.
network_timeout	
	Numeric. Number of seconds to wait for a REST response until giving up. Can not be less than 1 ms.
region	Character. The region of the AWS service.

Value

A list object or a character vector

SnapshotId

> The ID of the snapshot.

Attribute

> The snapshot attribute to modify. Only volume creation permissions can be modified.

CreateVolumePermission

> A JSON representation of the snapshot attribute modification.

UserGroup

> The group to modify for the snapshot.

OperationType

> The type of operation to perform to the attribute.

UserId

> The account ID to modify for the snapshot.

DryRun

> Checks whether you have the required permissions for the action, without actually making the
> request, and provides an error response. If you have the required permissions, the error response is
> `DryRunOperation`. Otherwise, it is `UnauthorizedOperation`.

---

ec2_modify_spot_fleet_request
                            Modify Spot Fleet Request

Description

> Modify Spot Fleet Request

Usage

```
ec2_modify_spot_fleet_request(
  SpotFleetRequestId,
  ExcessCapacityTerminationPolicy = NULL,
  LaunchTemplateConfig = NULL,
  TargetCapacity = NULL,
  OnDemandTargetCapacity = NULL,
  simplify = TRUE,
  others = list(),
  print_on_error = aws_get_print_on_error(),
```

```
    retry_time = aws_get_retry_time(),
    network_timeout = aws_get_network_timeout(),
    region = aws_get_region()
)
```

Arguments

SpotFleetRequestId

> Character. The ID of the Spot Fleet request.

ExcessCapacityTerminationPolicy

> Character. Indicates whether running Spot Instances should be terminated if the
> target capacity of the Spot...[optional]

LaunchTemplateConfig

> List. The launch template and overrides.[optional]

TargetCapacity Integer. The size of the fleet.[optional]

OnDemandTargetCapacity

> Integer. The number of On-Demand Instances in the fleet.[optional]

simplify   Logical. Whether to simplify the result and handle nextToken in the response[optional]

others   Named list. The parameters that are not included in the function parameters and
                need to be added into the request[optional]

print_on_error Logical. Whether to show an error message when a network error occurs.

retry_time   Integer. Number of retries for a REST request when encounter the network
                issue. If the request has been sent retry_time times but still not be able to get
                the response, an error will be thrown.

network_timeout

> Numeric. Number of seconds to wait for a REST response until giving up. Can
> not be less than 1 ms.

region   Character. The region of the AWS service.

Value

A list object or a character vector

SpotFleetRequestId

The ID of the Spot Fleet request.

ExcessCapacityTerminationPolicy

Indicates whether running Spot Instances should be terminated if the target capacity of the Spot
Fleet request is decreased below the current size of the Spot Fleet.

LaunchTemplateConfig

The launch template and overrides. You can only use this parameter if you specified a launch template (LaunchTemplateConfigs) in your Spot Fleet request. If you specified LaunchSpecifications
in your Spot Fleet request, then omit this parameter.

TargetCapacity

    The size of the fleet.

OnDemandTargetCapacity

    The number of On-Demand Instances in the fleet.

---

ec2_modify_subnet_attribute

Modify Subnet Attribute

Description

    Modifies a subnet attribute. You can only modify one attribute at a time.

Usage

```
ec2_modify_subnet_attribute(
  SubnetId,
  AssignIpv6AddressOnCreation = NULL,
  MapPublicIpOnLaunch = NULL,
  MapCustomerOwnedIpOnLaunch = NULL,
  CustomerOwnedIpv4Pool = NULL,
  simplify = TRUE,
  others = list(),
  print_on_error = aws_get_print_on_error(),
  retry_time = aws_get_retry_time(),
  network_timeout = aws_get_network_timeout(),
  region = aws_get_region()
)
```

Arguments

SubnetId   Character. The ID of the subnet.

AssignIpv6AddressOnCreation

          Object. Specify `true` to indicate that network interfaces created in the specified subnet should be assigned...[optional]

MapPublicIpOnLaunch

          Object. Specify `true` to indicate that network interfaces attached to instances created in the specified...[optional]

MapCustomerOwnedIpOnLaunch

          Object. Specify `true` to indicate that network interfaces attached to instances created in the specified...[optional]

CustomerOwnedIpv4Pool

          Character. The customer-owned IPv4 address pool associated with the subnet.[optional]

simplify	Logical. Whether to simplify the result and handle `nextToken` in the response[optional]
others	Named list. The parameters that are not included in the function parameters and need to be added into the request[optional]
print_on_error	Logical. Whether to show an error message when a network error occurs.
retry_time	Integer. Number of retries for a REST request when encounter the network issue. If the request has been sent `retry_time` times but still not be able to get the response, an error will be thrown.
network_timeout	
	Numeric. Number of seconds to wait for a REST response until giving up. Can not be less than 1 ms.
region	Character. The region of the AWS service.

Value

A list object or a character vector

SubnetId

The ID of the subnet.

AssignIpv6AddressOnCreation

Specify `true` to indicate that network interfaces created in the specified subnet should be assigned an IPv6 address. This includes a network interface that\'s created when launching an instance into the subnet (the instance therefore receives an IPv6 address).

If you enable the IPv6 addressing feature for your subnet, your network interface or instance only receives an IPv6 address if it\'s created using version `2016-11-15` or later of the Amazon EC2 API.

MapPublicIpOnLaunch

Specify `true` to indicate that network interfaces attached to instances created in the specified subnet should be assigned a public IPv4 address.

MapCustomerOwnedIpOnLaunch

Specify `true` to indicate that network interfaces attached to instances created in the specified subnet should be assigned a customer-owned IPv4 address.

When this value is `true`, you must specify the customer-owned IP pool using `CustomerOwnedIpv4Pool`.

CustomerOwnedIpv4Pool

The customer-owned IPv4 address pool associated with the subnet.

You must set this value when you specify `true` for `MapCustomerOwnedIpOnLaunch`.

ec2_modify_traffic_mirror_filter_network_services
Modify Traffic Mirror Filter Network Services

Description

Modify Traffic Mirror Filter Network Services

Usage

```
ec2_modify_traffic_mirror_filter_network_services(
  TrafficMirrorFilterId,
  AddNetworkService = NULL,
  RemoveNetworkService = NULL,
  DryRun = NULL,
  simplify = TRUE,
  others = list(),
  print_on_error = aws_get_print_on_error(),
  retry_time = aws_get_retry_time(),
  network_timeout = aws_get_network_timeout(),
  region = aws_get_region()
)
```

Arguments

TrafficMirrorFilterId

> Character. The ID of the Traffic Mirror filter.

AddNetworkService

> List. The network service, for example Amazon DNS, that you want to mirror.[optional]

RemoveNetworkService

> List. The network service, for example Amazon DNS, that you no longer want to mirror.[optional]

DryRun   Logical. Checks whether you have the required permissions for the action, without actually making the request,...[optional]

simplify   Logical. Whether to simplify the result and handle nextToken in the response[optional]

others   Named list. The parameters that are not included in the function parameters and need to be added into the request[optional]

print_on_error Logical. Whether to show an error message when a network error occurs.

retry_time   Integer. Number of retries for a REST request when encounter the network issue. If the request has been sent retry_time times but still not be able to get the response, an error will be thrown.

network_timeout

> Numeric. Number of seconds to wait for a REST response until giving up. Can not be less than 1 ms.

region   Character. The region of the AWS service.

Value

A list object or a character vector

TrafficMirrorFilterId

The ID of the Traffic Mirror filter.

AddNetworkService

The network service, for example Amazon DNS, that you want to mirror.

RemoveNetworkService

The network service, for example Amazon DNS, that you no longer want to mirror.

DryRun

Checks whether you have the required permissions for the action, without actually making the request, and provides an error response. If you have the required permissions, the error response is `DryRunOperation`. Otherwise, it is `UnauthorizedOperation`.

---

ec2_modify_traffic_mirror_filter_rule
Modify Traffic Mirror Filter Rule

Description

Modify Traffic Mirror Filter Rule

Usage

```
ec2_modify_traffic_mirror_filter_rule(
  TrafficMirrorFilterRuleId,
  TrafficDirection = NULL,
  RuleNumber = NULL,
  RuleAction = NULL,
  DestinationPortRange = NULL,
  SourcePortRange = NULL,
  Protocol = NULL,
  DestinationCidrBlock = NULL,
  SourceCidrBlock = NULL,
  Description = NULL,
  RemoveField = NULL,
  DryRun = NULL,
  simplify = TRUE,
  others = list(),
  print_on_error = aws_get_print_on_error(),
```

```
    retry_time = aws_get_retry_time(),
    network_timeout = aws_get_network_timeout(),
    region = aws_get_region()
)
```

Arguments

TrafficMirrorFilterRuleId

         Character. The ID of the Traffic Mirror rule.

TrafficDirection

         Character. The type of traffic (ingress \| egress) to assign to the rule.[optional]

RuleNumber   Integer. The number of the Traffic Mirror rule.[optional]

RuleAction   Character. The action to assign to the rule.[optional]

DestinationPortRange

         Object. The destination ports that are associated with the Traffic Mirror rule.[optional]

SourcePortRange

         Object. The port range to assign to the Traffic Mirror rule.[optional]

Protocol   Integer. The protocol, for example TCP, to assign to the Traffic Mirror rule.[optional]

DestinationCidrBlock

         Character. The destination CIDR block to assign to the Traffic Mirror rule.[optional]

SourceCidrBlock

         Character. The source CIDR block to assign to the Traffic Mirror rule.[optional]

Description   Character. The description to assign to the Traffic Mirror rule.[optional]

RemoveField   List. The properties that you want to remove from the Traffic Mirror filter rule.[optional]

DryRun   Logical. Checks whether you have the required permissions for the action, without actually making the request,...[optional]

simplify   Logical. Whether to simplify the result and handle nextToken in the response[optional]

others   Named list. The parameters that are not included in the function parameters and need to be added into the request[optional]

print_on_error Logical. Whether to show an error message when a network error occurs.

retry_time   Integer. Number of retries for a REST request when encounter the network issue. If the request has been sent retry_time times but still not be able to get the response, an error will be thrown.

network_timeout

         Numeric. Number of seconds to wait for a REST response until giving up. Can not be less than 1 ms.

region   Character. The region of the AWS service.

Value

A list object or a character vector

TrafficMirrorFilterRuleId

The ID of the Traffic Mirror rule.

TrafficDirection

The type of traffic (`ingress` \| `egress`) to assign to the rule.

RuleNumber

The number of the Traffic Mirror rule. This number must be unique for each Traffic Mirror rule in a given direction. The rules are processed in ascending order by rule number.

RuleAction

The action to assign to the rule.

DestinationPortRange

The destination ports that are associated with the Traffic Mirror rule.

SourcePortRange

The port range to assign to the Traffic Mirror rule.

Protocol

The protocol, for example TCP, to assign to the Traffic Mirror rule.

DestinationCidrBlock

The destination CIDR block to assign to the Traffic Mirror rule.

SourceCidrBlock

The source CIDR block to assign to the Traffic Mirror rule.

Description

The description to assign to the Traffic Mirror rule.

RemoveField

The properties that you want to remove from the Traffic Mirror filter rule.

When you remove a property from a Traffic Mirror filter rule, the property is set to the default.

DryRun

Checks whether you have the required permissions for the action, without actually making the request, and provides an error response. If you have the required permissions, the error response is `DryRunOperation`. Otherwise, it is `UnauthorizedOperation`.

---

ec2_modify_traffic_mirror_session
                          Modify Traffic Mirror Session

Description

Modifies a Traffic Mirror session.

Usage

```
ec2_modify_traffic_mirror_session(
  TrafficMirrorSessionId,
  TrafficMirrorTargetId = NULL,
  TrafficMirrorFilterId = NULL,
  PacketLength = NULL,
  SessionNumber = NULL,
  VirtualNetworkId = NULL,
  Description = NULL,
  RemoveField = NULL,
  DryRun = NULL,
  simplify = TRUE,
  others = list(),
  print_on_error = aws_get_print_on_error(),
  retry_time = aws_get_retry_time(),
  network_timeout = aws_get_network_timeout(),
  region = aws_get_region()
)
```

Arguments

TrafficMirrorSessionId
                   Character. The ID of the Traffic Mirror session.

TrafficMirrorTargetId
                   Character. The Traffic Mirror target.[optional]

TrafficMirrorFilterId
                   Character. The ID of the Traffic Mirror filter.[optional]

PacketLength   Integer. The number of bytes in each packet to mirror.[optional]

SessionNumber   Integer. The session number determines the order in which sessions are evalu-
                   ated when an interface is used...[optional]

VirtualNetworkId
                   Integer. The virtual network ID of the Traffic Mirror session.[optional]

Description   Character. The description to assign to the Traffic Mirror session.[optional]

RemoveField   List. The properties that you want to remove from the Traffic Mirror ses-
                   sion.[optional]

DryRun	Logical. Checks whether you have the required permissions for the action, without actually making the request,...[optional]
simplify	Logical. Whether to simplify the result and handle nextToken in the response[optional]
others	Named list. The parameters that are not included in the function parameters and need to be added into the request[optional]
print_on_error	Logical. Whether to show an error message when a network error occurs.
retry_time	Integer. Number of retries for a REST request when encounter the network issue. If the request has been sent retry_time times but still not be able to get the response, an error will be thrown.
network_timeout	
	Numeric. Number of seconds to wait for a REST response until giving up. Can not be less than 1 ms.
region	Character. The region of the AWS service.

Value

A list object or a character vector

TrafficMirrorSessionId

The ID of the Traffic Mirror session.

TrafficMirrorTargetId

The Traffic Mirror target. The target must be in the same VPC as the source, or have a VPC peering connection with the source.

TrafficMirrorFilterId

The ID of the Traffic Mirror filter.

PacketLength

The number of bytes in each packet to mirror. These are bytes after the VXLAN header. To mirror a subset, set this to the length (in bytes) to mirror. For example, if you set this value to 100, then the first 100 bytes that meet the filter criteria are copied to the target. Do not specify this parameter when you want to mirror the entire packet.

SessionNumber

The session number determines the order in which sessions are evaluated when an interface is used by multiple sessions. The first session with a matching filter is the one that mirrors the packets.

Valid values are 1-32766.

VirtualNetworkId

The virtual network ID of the Traffic Mirror session.

Description

The description to assign to the Traffic Mirror session.

RemoveField

The properties that you want to remove from the Traffic Mirror session.

When you remove a property from a Traffic Mirror session, the property is set to the default.

DryRun

Checks whether you have the required permissions for the action, without actually making the request, and provides an error response. If you have the required permissions, the error response is `DryRunOperation`. Otherwise, it is `UnauthorizedOperation`.

---

ec2_modify_transit_gateway

Modify Transit Gateway

Description

Modifies the specified transit gateway. When you modify a transit gateway, the modified options are applied to new transit gateway attachments only. Your existing transit gateway attachments are not modified.

Usage

```
ec2_modify_transit_gateway(
  TransitGatewayId,
  Description = NULL,
  Options = NULL,
  DryRun = NULL,
  simplify = TRUE,
  others = list(),
  print_on_error = aws_get_print_on_error(),
  retry_time = aws_get_retry_time(),
  network_timeout = aws_get_network_timeout(),
  region = aws_get_region()
)
```

Arguments

TransitGatewayId

                Character. The ID of the transit gateway.

Description   Character. The description for the transit gateway.[optional]

Options   Object. The options to modify.[optional]

DryRun	Logical. Checks whether you have the required permissions for the action, without actually making the request,...[optional]
simplify	Logical. Whether to simplify the result and handle `nextToken` in the response[optional]
others	Named list. The parameters that are not included in the function parameters and need to be added into the request[optional]
print_on_error	Logical. Whether to show an error message when a network error occurs.
retry_time	Integer. Number of retries for a REST request when encounter the network issue. If the request has been sent `retry_time` times but still not be able to get the response, an error will be thrown.
network_timeout	
	Numeric. Number of seconds to wait for a REST response until giving up. Can not be less than 1 ms.
region	Character. The region of the AWS service.

Value

A list object or a character vector

TransitGatewayId

The ID of the transit gateway.

Description

The description for the transit gateway.

Options

The options to modify.

DryRun

Checks whether you have the required permissions for the action, without actually making the request, and provides an error response. If you have the required permissions, the error response is `DryRunOperation`. Otherwise, it is `UnauthorizedOperation`.

---

ec2_modify_transit_gateway_prefix_list_reference

Modify Transit Gateway Prefix List Reference

Description

Modifies a reference (route) to a prefix list in a specified transit gateway route table.

Usage

```
ec2_modify_transit_gateway_prefix_list_reference(
  TransitGatewayRouteTableId,
  PrefixListId,
  TransitGatewayAttachmentId = NULL,
  Blackhole = NULL,
  DryRun = NULL,
  simplify = TRUE,
  others = list(),
  print_on_error = aws_get_print_on_error(),
  retry_time = aws_get_retry_time(),
  network_timeout = aws_get_network_timeout(),
  region = aws_get_region()
)
```

Arguments

TransitGatewayRouteTableId

        Character. The ID of the transit gateway route table.

PrefixListId   Character. The ID of the prefix list.

TransitGatewayAttachmentId

        Character. The ID of the attachment to which traffic is routed.[optional]

Blackhole   Logical. Indicates whether to drop traffic that matches this route.[optional]

DryRun   Logical. Checks whether you have the required permissions for the action, without actually making the request,...[optional]

simplify   Logical. Whether to simplify the result and handle nextToken in the response[optional]

others   Named list. The parameters that are not included in the function parameters and need to be added into the request[optional]

print_on_error   Logical. Whether to show an error message when a network error occurs.

retry_time   Integer. Number of retries for a REST request when encounter the network issue. If the request has been sent retry_time times but still not be able to get the response, an error will be thrown.

network_timeout

        Numeric. Number of seconds to wait for a REST response until giving up. Can not be less than 1 ms.

region   Character. The region of the AWS service.

Value

A list object or a character vector

TransitGatewayRouteTableId

The ID of the transit gateway route table.

PrefixListId

The ID of the prefix list.

TransitGatewayAttachmentId

The ID of the attachment to which traffic is routed.

Blackhole

Indicates whether to drop traffic that matches this route.

DryRun

Checks whether you have the required permissions for the action, without actually making the request, and provides an error response. If you have the required permissions, the error response is `DryRunOperation`. Otherwise, it is `UnauthorizedOperation`.

---

ec2_modify_transit_gateway_vpc_attachment
Modify Transit Gateway Vpc Attachment

Description

Modifies the specified VPC attachment.

Usage

```
ec2_modify_transit_gateway_vpc_attachment(
  TransitGatewayAttachmentId,
  AddSubnetIds = NULL,
  RemoveSubnetIds = NULL,
  Options = NULL,
  DryRun = NULL,
  simplify = TRUE,
  others = list(),
  print_on_error = aws_get_print_on_error(),
  retry_time = aws_get_retry_time(),
  network_timeout = aws_get_network_timeout(),
  region = aws_get_region()
)
```

Arguments

TransitGatewayAttachmentId

                Character. The ID of the attachment.

AddSubnetIds   List. The IDs of one or more subnets to add. You can specify at most one subnet per Availability Zone.[optional]

RemoveSubnetIds

      List. The IDs of one or more subnets to remove.[optional]

Options   Object. The new VPC attachment options. You cannot modify the IPv6 options.
            [optional]

DryRun   Logical. Checks whether you have the required permissions for the action, with-
            out actually making the request,...[optional]

simplify   Logical. Whether to simplify the result and handle nextToken in the response[optional]

others   Named list. The parameters that are not included in the function parameters and
            need to be added into the request[optional]

print_on_error Logical. Whether to show an error message when a network error occurs.

retry_time   Integer. Number of retries for a REST request when encounter the network
            issue. If the request has been sent retry_time times but still not be able to get
            the response, an error will be thrown.

network_timeout

      Numeric. Number of seconds to wait for a REST response until giving up. Can
      not be less than 1 ms.

region   Character. The region of the AWS service.

Value

A list object or a character vector

TransitGatewayAttachmentId

The ID of the attachment.

AddSubnetIds

The IDs of one or more subnets to add. You can specify at most one subnet per Availability Zone.

RemoveSubnetIds

The IDs of one or more subnets to remove.

Options

The new VPC attachment options.

You cannot modify the IPv6 options.

DryRun

Checks whether you have the required permissions for the action, without actually making the
request, and provides an error response. If you have the required permissions, the error response is
DryRunOperation. Otherwise, it is UnauthorizedOperation.

ec2_modify_volume   *Modify Volume*

Description

Modify Volume

Usage

```
ec2_modify_volume(
  VolumeId,
  DryRun = NULL,
  Size = NULL,
  VolumeType = NULL,
  Iops = NULL,
  Throughput = NULL,
  MultiAttachEnabled = NULL,
  simplify = TRUE,
  others = list(),
  print_on_error = aws_get_print_on_error(),
  retry_time = aws_get_retry_time(),
  network_timeout = aws_get_network_timeout(),
  region = aws_get_region()
)
```

Arguments

VolumeId	Character. The ID of the volume.
DryRun	Logical. Checks whether you have the required permissions for the action, without actually making the request,...[optional]
Size	Integer. The target size of the volume, in GiB.[optional]
VolumeType	Character. The target EBS volume type of the volume.[optional]
Iops	Integer. The target IOPS rate of the volume.[optional]
Throughput	Integer. The target throughput of the volume, in MiB/s.[optional]
MultiAttachEnabled	
	Logical. Specifies whether to enable Amazon EBS Multi-Attach.[optional]
simplify	Logical. Whether to simplify the result and handle nextToken in the response[optional]
others	Named list. The parameters that are not included in the function parameters and need to be added into the request[optional]
print_on_error	Logical. Whether to show an error message when a network error occurs.
retry_time	Integer. Number of retries for a REST request when encounter the network issue. If the request has been sent retry_time times but still not be able to get the response, an error will be thrown.

network_timeout

>Numeric. Number of seconds to wait for a REST response until giving up. Can not be less than 1 ms.

region   Character. The region of the AWS service.

Value

A list object or a character vector

VolumeId

The ID of the volume.

DryRun

Checks whether you have the required permissions for the action, without actually making the request, and provides an error response. If you have the required permissions, the error response is DryRunOperation. Otherwise, it is UnauthorizedOperation.

Size

The target size of the volume, in GiB. The target volume size must be greater than or equal to the existing size of the volume.

The following are the supported volumes sizes for each volume type:

- gp2 and gp3: 1-16,384
- io1 and io2: 4-16,384
- st1 and sc1: 125-16,384
- standard: 1-1,024

Default: If no size is specified, the existing size is retained.

VolumeType

The target EBS volume type of the volume. For more information, see Amazon EBS volume types in the *Amazon Elastic Compute Cloud User Guide*.

Default: If no type is specified, the existing type is retained.

Iops

The target IOPS rate of the volume. This parameter is valid only for gp3, io1, and io2 volumes.

The following are the supported values for each volume type:

- gp3: 3,000-16,000 IOPS
- io1: 100-64,000 IOPS
- io2: 100-64,000 IOPS

Default: If no IOPS value is specified, the existing value is retained.

Throughput

The target throughput of the volume, in MiB/s. This parameter is valid only for gp3 volumes. The maximum value is 1,000.

Default: If no throughput value is specified, the existing value is retained.

Valid Range: Minimum value of 125. Maximum value of 1000.

MultiAttachEnabled

Specifies whether to enable Amazon EBS Multi-Attach. If you enable Multi-Attach, you can attach the volume to up to 16 Nitro-based instances in the same Availability Zone. This parameter is supported with io1 and io2 volumes only. For more information, see Amazon EBS Multi-Attach in the *Amazon Elastic Compute Cloud User Guide*.

---

ec2_modify_volume_attribute
                          Modify Volume Attribute

Description

Modify Volume Attribute

Usage

```
ec2_modify_volume_attribute(
  VolumeId,
  AutoEnableIO = NULL,
  DryRun = NULL,
  simplify = TRUE,
  others = list(),
  print_on_error = aws_get_print_on_error(),
  retry_time = aws_get_retry_time(),
  network_timeout = aws_get_network_timeout(),
  region = aws_get_region()
)
```

Arguments

VolumeId	Character. The ID of the volume.
AutoEnableIO	Object. Indicates whether the volume should be auto-enabled for I/O operations.[optional]
DryRun	Logical. Checks whether you have the required permissions for the action, without actually making the request,...[optional]
simplify	Logical. Whether to simplify the result and handle nextToken in the response[optional]
others	Named list. The parameters that are not included in the function parameters and need to be added into the request[optional]

print_on_error	Logical. Whether to show an error message when a network error occurs.
retry_time	Integer. Number of retries for a REST request when encounter the network issue. If the request has been sent retry_time times but still not be able to get the response, an error will be thrown.
network_timeout	
	Numeric. Number of seconds to wait for a REST response until giving up. Can not be less than 1 ms.
region	Character. The region of the AWS service.

Value

A list object or a character vector

VolumeId

The ID of the volume.

AutoEnableIO

Indicates whether the volume should be auto-enabled for I/O operations.

DryRun

Checks whether you have the required permissions for the action, without actually making the request, and provides an error response. If you have the required permissions, the error response is DryRunOperation. Otherwise, it is UnauthorizedOperation.

```
ec2_modify_vpc_attribute
```
Modify Vpc Attribute

Description

Modifies the specified attribute of the specified VPC.

Usage

```
ec2_modify_vpc_attribute(
  VpcId,
  EnableDnsHostnames = NULL,
  EnableDnsSupport = NULL,
  simplify = TRUE,
  others = list(),
  print_on_error = aws_get_print_on_error(),
  retry_time = aws_get_retry_time(),
  network_timeout = aws_get_network_timeout(),
  region = aws_get_region()
)
```

Arguments

VpcId	Character. The ID of the VPC.
EnableDnsHostnames	
	Object. Indicates whether the instances launched in the VPC get DNS hostnames.[optional]
EnableDnsSupport	
	Object. Indicates whether the DNS resolution is supported for the VPC.[optional]
simplify	Logical. Whether to simplify the result and handle nextToken in the response[optional]
others	Named list. The parameters that are not included in the function parameters and need to be added into the request[optional]
print_on_error	Logical. Whether to show an error message when a network error occurs.
retry_time	Integer. Number of retries for a REST request when encounter the network issue. If the request has been sent retry_time times but still not be able to get the response, an error will be thrown.
network_timeout	
	Numeric. Number of seconds to wait for a REST response until giving up. Can not be less than 1 ms.
region	Character. The region of the AWS service.

Value

A list object or a character vector

VpcId

The ID of the VPC.

EnableDnsHostnames

Indicates whether the instances launched in the VPC get DNS hostnames. If enabled, instances in the VPC get DNS hostnames; otherwise, they do not.

You cannot modify the DNS resolution and DNS hostnames attributes in the same request. Use separate requests for each attribute. You can only enable DNS hostnames if you\'ve enabled DNS support.

EnableDnsSupport

Indicates whether the DNS resolution is supported for the VPC. If enabled, queries to the Amazon provided DNS server at the 169.254.169.253 IP address, or the reserved IP address at the base of the VPC network range \'plus two\' succeed. If disabled, the Amazon provided DNS service in the VPC that resolves public DNS hostnames to IP addresses is not enabled.

You cannot modify the DNS resolution and DNS hostnames attributes in the same request. Use separate requests for each attribute.

---

ec2_modify_vpc_endpoint

Modify Vpc Endpoint

Description

Modifies attributes of a specified VPC endpoint. The attributes that you can modify depend on the type of VPC endpoint (interface, gateway, or Gateway Load Balancer). For more information, see VPC Endpoints in the *Amazon Virtual Private Cloud User Guide*.

Usage

```
ec2_modify_vpc_endpoint(
  VpcEndpointId,
  DryRun = NULL,
  ResetPolicy = NULL,
  PolicyDocument = NULL,
  AddRouteTableId = NULL,
  RemoveRouteTableId = NULL,
  AddSubnetId = NULL,
  RemoveSubnetId = NULL,
  AddSecurityGroupId = NULL,
  RemoveSecurityGroupId = NULL,
  PrivateDnsEnabled = NULL,
  simplify = TRUE,
  others = list(),
  print_on_error = aws_get_print_on_error(),
  retry_time = aws_get_retry_time(),
  network_timeout = aws_get_network_timeout(),
  region = aws_get_region()
)
```

Arguments

VpcEndpointId	Character. The ID of the endpoint.
DryRun	Logical. Checks whether you have the required permissions for the action, without actually making the request,...[optional]
ResetPolicy	Logical. (Gateway endpoint) Specify true to reset the policy document to the default policy.[optional]
PolicyDocument	Character. (Interface and gateway endpoints) A policy to attach to the endpoint that controls access to the...[optional]
AddRouteTableId	
	List. (Gateway endpoint) One or more route tables IDs to associate with the endpoint.[optional]

RemoveRouteTableId	
	List. (Gateway endpoint) One or more route table IDs to disassociate from the endpoint.[optional]
AddSubnetId	List. (Interface and Gateway Load Balancer endpoints) One or more subnet IDs in which to serve the endpoint....[optional]
RemoveSubnetId	List. (Interface endpoint) One or more subnets IDs in which to remove the endpoint.[optional]
AddSecurityGroupId	
	List. (Interface endpoint) One or more security group IDs to associate with the network interface.[optional]
RemoveSecurityGroupId	
	List. (Interface endpoint) One or more security group IDs to disassociate from the network interface.[optional]
PrivateDnsEnabled	
	Logical. (Interface endpoint) Indicates whether a private hosted zone is associated with the VPC.[optional]
simplify	Logical. Whether to simplify the result and handle nextToken in the response[optional]
others	Named list. The parameters that are not included in the function parameters and need to be added into the request[optional]
print_on_error	Logical. Whether to show an error message when a network error occurs.
retry_time	Integer. Number of retries for a REST request when encounter the network issue. If the request has been sent retry_time times but still not be able to get the response, an error will be thrown.
network_timeout	
	Numeric. Number of seconds to wait for a REST response until giving up. Can not be less than 1 ms.
region	Character. The region of the AWS service.

Value

A list object or a character vector

VpcEndpointId

The ID of the endpoint.

DryRun

Checks whether you have the required permissions for the action, without actually making the request, and provides an error response. If you have the required permissions, the error response is DryRunOperation. Otherwise, it is UnauthorizedOperation.

ResetPolicy

(Gateway endpoint) Specify true to reset the policy document to the default policy. The default policy allows full access to the service.

PolicyDocument

(Interface and gateway endpoints) A policy to attach to the endpoint that controls access to the service. The policy must be in valid JSON format.

AddRouteTableId

(Gateway endpoint) One or more route tables IDs to associate with the endpoint.

RemoveRouteTableId

(Gateway endpoint) One or more route table IDs to disassociate from the endpoint.

AddSubnetId

(Interface and Gateway Load Balancer endpoints) One or more subnet IDs in which to serve the endpoint. For a Gateway Load Balancer endpoint, you can specify only one subnet.

RemoveSubnetId

(Interface endpoint) One or more subnets IDs in which to remove the endpoint.

AddSecurityGroupId

(Interface endpoint) One or more security group IDs to associate with the network interface.

RemoveSecurityGroupId

(Interface endpoint) One or more security group IDs to disassociate from the network interface.

PrivateDnsEnabled

(Interface endpoint) Indicates whether a private hosted zone is associated with the VPC.

---

ec2_modify_vpc_endpoint_connection_notification
Modify Vpc Endpoint Connection Notification

Description

Modifies a connection notification for VPC endpoint or VPC endpoint service. You can change the SNS topic for the notification, or the events for which to be notified.

Usage

```
ec2_modify_vpc_endpoint_connection_notification(
  ConnectionNotificationId,
  DryRun = NULL,
  ConnectionNotificationArn = NULL,
  ConnectionEvents = NULL,
  simplify = TRUE,
  others = list(),
  print_on_error = aws_get_print_on_error(),
  retry_time = aws_get_retry_time(),
  network_timeout = aws_get_network_timeout(),
  region = aws_get_region()
)
```

Arguments

ConnectionNotificationId

> Character. The ID of the notification.

DryRun   Logical. Checks whether you have the required permissions for the action, with-
                  out actually making the request,...[optional]

ConnectionNotificationArn

> Character. The ARN for the SNS topic for the notification.[optional]

ConnectionEvents

> List. One or more events for the endpoint. Valid values are `Accept`, `Connect`,
> `Delete`, and `Reject`.[optional]

simplify   Logical. Whether to simplify the result and handle `nextToken` in the response[optional]

others   Named list. The parameters that are not included in the function parameters and
                  need to be added into the request[optional]

print_on_error   Logical. Whether to show an error message when a network error occurs.

retry_time   Integer. Number of retries for a REST request when encounter the network
                  issue. If the request has been sent `retry_time` times but still not be able to get
                  the response, an error will be thrown.

network_timeout

> Numeric. Number of seconds to wait for a REST response until giving up. Can
> not be less than 1 ms.

region   Character. The region of the AWS service.

Value

A list object or a character vector

ConnectionNotificationId

The ID of the notification.

DryRun

Checks whether you have the required permissions for the action, without actually making the request, and provides an error response. If you have the required permissions, the error response is `DryRunOperation`. Otherwise, it is `UnauthorizedOperation`.

ConnectionNotificationArn

The ARN for the SNS topic for the notification.

ConnectionEvents

One or more events for the endpoint. Valid values are `Accept`, `Connect`, `Delete`, and `Reject`.

---

ec2_modify_vpc_endpoint_service_configuration
Modify Vpc Endpoint Service Configuration

Description

Modify Vpc Endpoint Service Configuration

Usage

```
ec2_modify_vpc_endpoint_service_configuration(
  ServiceId,
  DryRun = NULL,
  PrivateDnsName = NULL,
  RemovePrivateDnsName = NULL,
  AcceptanceRequired = NULL,
  AddNetworkLoadBalancerArn = NULL,
  RemoveNetworkLoadBalancerArn = NULL,
  AddGatewayLoadBalancerArn = NULL,
  RemoveGatewayLoadBalancerArn = NULL,
  simplify = TRUE,
  others = list(),
  print_on_error = aws_get_print_on_error(),
  retry_time = aws_get_retry_time(),
  network_timeout = aws_get_network_timeout(),
  region = aws_get_region()
)
```

Arguments

ServiceId	Character. The ID of the service.
DryRun	Logical. Checks whether you have the required permissions for the action, without actually making the request,...[optional]

PrivateDnsName Character. (Interface endpoint configuration) The private DNS name to assign to the endpoint service.[optional]

RemovePrivateDnsName

Logical. (Interface endpoint configuration) Removes the private DNS name of the endpoint service.[optional]

AcceptanceRequired

Logical. Indicates whether requests to create an endpoint to your service must be accepted.[optional]

AddNetworkLoadBalancerArn

List. The Amazon Resource Names (ARNs) of Network Load Balancers to add to your service configuration.[optional]

RemoveNetworkLoadBalancerArn

List. The Amazon Resource Names (ARNs) of Network Load Balancers to remove from your service configuration....[optional]

AddGatewayLoadBalancerArn

List. The Amazon Resource Names (ARNs) of Gateway Load Balancers to add to your service configuration.[optional]

RemoveGatewayLoadBalancerArn

List. The Amazon Resource Names (ARNs) of Gateway Load Balancers to remove from your service configuration....[optional]

simplify   Logical. Whether to simplify the result and handle nextToken in the response[optional]

others   Named list. The parameters that are not included in the function parameters and need to be added into the request[optional]

print_on_error   Logical. Whether to show an error message when a network error occurs.

retry_time   Integer. Number of retries for a REST request when encounter the network issue. If the request has been sent retry_time times but still not be able to get the response, an error will be thrown.

network_timeout

Numeric. Number of seconds to wait for a REST response until giving up. Can not be less than 1 ms.

region   Character. The region of the AWS service.

Value

A list object or a character vector

ServiceId

The ID of the service.

DryRun

Checks whether you have the required permissions for the action, without actually making the request, and provides an error response. If you have the required permissions, the error response is DryRunOperation. Otherwise, it is UnauthorizedOperation.

PrivateDnsName

(Interface endpoint configuration) The private DNS name to assign to the endpoint service.

RemovePrivateDnsName

(Interface endpoint configuration) Removes the private DNS name of the endpoint service.

AcceptanceRequired

Indicates whether requests to create an endpoint to your service must be accepted.

AddNetworkLoadBalancerArn

The Amazon Resource Names (ARNs) of Network Load Balancers to add to your service configuration.

RemoveNetworkLoadBalancerArn

The Amazon Resource Names (ARNs) of Network Load Balancers to remove from your service configuration.

AddGatewayLoadBalancerArn

The Amazon Resource Names (ARNs) of Gateway Load Balancers to add to your service configuration.

RemoveGatewayLoadBalancerArn

The Amazon Resource Names (ARNs) of Gateway Load Balancers to remove from your service configuration.

---

ec2_modify_vpc_endpoint_service_permissions
Modify Vpc Endpoint Service Permissions

Description

Modify Vpc Endpoint Service Permissions

Usage

```
ec2_modify_vpc_endpoint_service_permissions(
  ServiceId,
  DryRun = NULL,
  AddAllowedPrincipals = NULL,
  RemoveAllowedPrincipals = NULL,
  simplify = TRUE,
  others = list(),
```

```
    print_on_error = aws_get_print_on_error(),
    retry_time = aws_get_retry_time(),
    network_timeout = aws_get_network_timeout(),
    region = aws_get_region()
)
```

Arguments

ServiceId	Character. The ID of the service.
DryRun	Logical. Checks whether you have the required permissions for the action, without actually making the request,...[optional]
AddAllowedPrincipals	
	List. The Amazon Resource Names (ARN) of one or more principals.[optional]
RemoveAllowedPrincipals	
	List. The Amazon Resource Names (ARN) of one or more principals.[optional]
simplify	Logical. Whether to simplify the result and handle nextToken in the response[optional]
others	Named list. The parameters that are not included in the function parameters and need to be added into the request[optional]
print_on_error	Logical. Whether to show an error message when a network error occurs.
retry_time	Integer. Number of retries for a REST request when encounter the network issue. If the request has been sent retry_time times but still not be able to get the response, an error will be thrown.
network_timeout	
	Numeric. Number of seconds to wait for a REST response until giving up. Can not be less than 1 ms.
region	Character. The region of the AWS service.

Value

A list object or a character vector

ServiceId

The ID of the service.

DryRun

Checks whether you have the required permissions for the action, without actually making the request, and provides an error response. If you have the required permissions, the error response is DryRunOperation. Otherwise, it is UnauthorizedOperation.

AddAllowedPrincipals

The Amazon Resource Names (ARN) of one or more principals. Permissions are granted to the principals in this list. To grant permissions to all principals, specify an asterisk (*).

RemoveAllowedPrincipals

The Amazon Resource Names (ARN) of one or more principals. Permissions are revoked for principals in this list.

---

ec2_modify_vpc_peering_connection_options
                        Modify Vpc Peering Connection Options

---

Description

Modify Vpc Peering Connection Options

Usage

```
ec2_modify_vpc_peering_connection_options(
  VpcPeeringConnectionId,
  AccepterPeeringConnectionOptions = NULL,
  DryRun = NULL,
  RequesterPeeringConnectionOptions = NULL,
  simplify = TRUE,
  others = list(),
  print_on_error = aws_get_print_on_error(),
  retry_time = aws_get_retry_time(),
  network_timeout = aws_get_network_timeout(),
  region = aws_get_region()
)
```

Arguments

VpcPeeringConnectionId
                Character. The ID of the VPC peering connection.

AccepterPeeringConnectionOptions
                Object. The VPC peering connection options for the accepter VPC.[optional]

DryRun   Logical. Checks whether you have the required permissions for the action, with-
                out actually making the request,...[optional]

RequesterPeeringConnectionOptions
                Object. The VPC peering connection options for the requester VPC.[optional]

simplify   Logical. Whether to simplify the result and handle nextToken in the response[optional]

others   Named list. The parameters that are not included in the function parameters and
                need to be added into the request[optional]

print_on_error Logical. Whether to show an error message when a network error occurs.

retry_time   Integer. Number of retries for a REST request when encounter the network
                issue. If the request has been sent retry_time times but still not be able to get
                the response, an error will be thrown.

network_timeout

> Numeric. Number of seconds to wait for a REST response until giving up. Can not be less than 1 ms.

region   Character. The region of the AWS service.

Value

A list object or a character vector

VpcPeeringConnectionId

The ID of the VPC peering connection.

AccepterPeeringConnectionOptions

The VPC peering connection options for the accepter VPC.

DryRun

Checks whether you have the required permissions for the action, without actually making the request, and provides an error response. If you have the required permissions, the error response is DryRunOperation. Otherwise, it is UnauthorizedOperation.

RequesterPeeringConnectionOptions

The VPC peering connection options for the requester VPC.

---

ec2_modify_vpc_tenancy

Modify Vpc Tenancy

Description

Modify Vpc Tenancy

Usage

```
ec2_modify_vpc_tenancy(
  VpcId,
  InstanceTenancy,
  DryRun = NULL,
  simplify = TRUE,
  others = list(),
  print_on_error = aws_get_print_on_error(),
  retry_time = aws_get_retry_time(),
  network_timeout = aws_get_network_timeout(),
  region = aws_get_region()
)
```

Arguments

VpcId	Character. The ID of the VPC.
InstanceTenancy	
	Character. The instance tenancy attribute for the VPC.
DryRun	Logical. Checks whether you have the required permissions for the action, without actually making the request,...[optional]
simplify	Logical. Whether to simplify the result and handle nextToken in the response[optional]
others	Named list. The parameters that are not included in the function parameters and need to be added into the request[optional]
print_on_error	Logical. Whether to show an error message when a network error occurs.
retry_time	Integer. Number of retries for a REST request when encounter the network issue. If the request has been sent retry_time times but still not be able to get the response, an error will be thrown.
network_timeout	
	Numeric. Number of seconds to wait for a REST response until giving up. Can not be less than 1 ms.
region	Character. The region of the AWS service.

Value

A list object or a character vector

VpcId

The ID of the VPC.

InstanceTenancy

The instance tenancy attribute for the VPC.

DryRun

Checks whether you have the required permissions for the action, without actually making the request, and provides an error response. If you have the required permissions, the error response is DryRunOperation. Otherwise, it is UnauthorizedOperation.

---

ec2_modify_vpn_connection
                          Modify Vpn Connection

Description

Modify Vpn Connection

Usage

```
ec2_modify_vpn_connection(
  VpnConnectionId,
  TransitGatewayId = NULL,
  CustomerGatewayId = NULL,
  VpnGatewayId = NULL,
  DryRun = NULL,
  simplify = TRUE,
  others = list(),
  print_on_error = aws_get_print_on_error(),
  retry_time = aws_get_retry_time(),
  network_timeout = aws_get_network_timeout(),
  region = aws_get_region()
)
```

Arguments

VpnConnectionId

> Character. The ID of the VPN connection.

TransitGatewayId

> Character. The ID of the transit gateway.[optional]

CustomerGatewayId

> Character. The ID of the customer gateway at your end of the VPN connection.[optional]

VpnGatewayId   Character. The ID of the virtual private gateway at the AWS side of the VPN connection.[optional]

DryRun   Logical. Checks whether you have the required permissions for the action, without actually making the request,...[optional]

simplify   Logical. Whether to simplify the result and handle nextToken in the response[optional]

others   Named list. The parameters that are not included in the function parameters and need to be added into the request[optional]

print_on_error   Logical. Whether to show an error message when a network error occurs.

retry_time   Integer. Number of retries for a REST request when encounter the network issue. If the request has been sent retry_time times but still not be able to get the response, an error will be thrown.

network_timeout

> Numeric. Number of seconds to wait for a REST response until giving up. Can not be less than 1 ms.

region   Character. The region of the AWS service.

Value

A list object or a character vector

VpnConnectionId

The ID of the VPN connection.

TransitGatewayId

The ID of the transit gateway.

CustomerGatewayId

The ID of the customer gateway at your end of the VPN connection.

VpnGatewayId

The ID of the virtual private gateway at the AWS side of the VPN connection.

DryRun

Checks whether you have the required permissions for the action, without actually making the request, and provides an error response. If you have the required permissions, the error response is `DryRunOperation`. Otherwise, it is `UnauthorizedOperation`.

---

ec2_modify_vpn_connection_options
Modify Vpn Connection Options

Description

Modify Vpn Connection Options

Usage

```
ec2_modify_vpn_connection_options(
  VpnConnectionId,
  LocalIpv4NetworkCidr = NULL,
  RemoteIpv4NetworkCidr = NULL,
  LocalIpv6NetworkCidr = NULL,
  RemoteIpv6NetworkCidr = NULL,
  DryRun = NULL,
  simplify = TRUE,
  others = list(),
  print_on_error = aws_get_print_on_error(),
  retry_time = aws_get_retry_time(),
  network_timeout = aws_get_network_timeout(),
  region = aws_get_region()
)
```

Arguments

VpnConnectionId
> Character. The ID of the Site-to-Site VPN connection.

LocalIpv4NetworkCidr
> Character. The IPv4 CIDR on the customer gateway (on-premises) side of the VPN connection.[optional]

RemoteIpv4NetworkCidr
> Character. The IPv4 CIDR on the AWS side of the VPN connection. Default: 0.0.0.0/0 [optional]

LocalIpv6NetworkCidr
> Character. The IPv6 CIDR on the customer gateway (on-premises) side of the VPN connection.[optional]

RemoteIpv6NetworkCidr
> Character. The IPv6 CIDR on the AWS side of the VPN connection. Default: ::/0 [optional]

DryRun
> Logical. Checks whether you have the required permissions for the action, without actually making the request,...[optional]

simplify
> Logical. Whether to simplify the result and handle nextToken in the response[optional]

others
> Named list. The parameters that are not included in the function parameters and need to be added into the request[optional]

print_on_error
> Logical. Whether to show an error message when a network error occurs.

retry_time
> Integer. Number of retries for a REST request when encounter the network issue. If the request has been sent retry_time times but still not be able to get the response, an error will be thrown.

network_timeout
> Numeric. Number of seconds to wait for a REST response until giving up. Can not be less than 1 ms.

region
> Character. The region of the AWS service.

Value

A list object or a character vector

VpnConnectionId

The ID of the Site-to-Site VPN connection.

LocalIpv4NetworkCidr

The IPv4 CIDR on the customer gateway (on-premises) side of the VPN connection.

Default: 0.0.0.0/0

RemoteIpv4NetworkCidr

The IPv4 CIDR on the AWS side of the VPN connection.

Default: 0.0.0.0/0

LocalIpv6NetworkCidr

The IPv6 CIDR on the customer gateway (on-premises) side of the VPN connection.

Default: ::/0

RemoteIpv6NetworkCidr

The IPv6 CIDR on the AWS side of the VPN connection.

Default: ::/0

DryRun

Checks whether you have the required permissions for the action, without actually making the request, and provides an error response. If you have the required permissions, the error response is DryRunOperation. Otherwise, it is UnauthorizedOperation.

---

ec2_modify_vpn_tunnel_certificate

Modify Vpn Tunnel Certificate

Description

Modifies the VPN tunnel endpoint certificate.

Usage

```
ec2_modify_vpn_tunnel_certificate(
  VpnConnectionId,
  VpnTunnelOutsideIpAddress,
  DryRun = NULL,
  simplify = TRUE,
  others = list(),
  print_on_error = aws_get_print_on_error(),
  retry_time = aws_get_retry_time(),
  network_timeout = aws_get_network_timeout(),
  region = aws_get_region()
)
```

Arguments

VpnConnectionId

> Character. The ID of the AWS Site-to-Site VPN connection.

VpnTunnelOutsideIpAddress

> Character. The external IP address of the VPN tunnel.

DryRun   Logical. Checks whether you have the required permissions for the action, with-
                out actually making the request,...[optional]

simplify   Logical. Whether to simplify the result and handle nextToken in the response[optional]

others	Named list. The parameters that are not included in the function parameters and need to be added into the request[optional]
print_on_error	Logical. Whether to show an error message when a network error occurs.
retry_time	Integer. Number of retries for a REST request when encounter the network issue. If the request has been sent retry_time times but still not be able to get the response, an error will be thrown.
network_timeout	
	Numeric. Number of seconds to wait for a REST response until giving up. Can not be less than 1 ms.
region	Character. The region of the AWS service.

Value

A list object or a character vector

VpnConnectionId

The ID of the AWS Site-to-Site VPN connection.

VpnTunnelOutsideIpAddress

The external IP address of the VPN tunnel.

DryRun

Checks whether you have the required permissions for the action, without actually making the request, and provides an error response. If you have the required permissions, the error response is DryRunOperation. Otherwise, it is UnauthorizedOperation.

---

ec2_modify_vpn_tunnel_options
Modify Vpn Tunnel Options

Description

Modifies the options for a VPN tunnel in an AWS Site-to-Site VPN connection. You can modify multiple options for a tunnel in a single request, but you can only modify one tunnel at a time. For more information, see Site-to-Site VPN Tunnel Options for Your Site-to-Site VPN Connection in the *AWS Site-to-Site VPN User Guide*.

Usage

```
ec2_modify_vpn_tunnel_options(
  VpnConnectionId,
  VpnTunnelOutsideIpAddress,
  TunnelOptions,
  DryRun = NULL,
  simplify = TRUE,
  others = list(),
  print_on_error = aws_get_print_on_error(),
  retry_time = aws_get_retry_time(),
  network_timeout = aws_get_network_timeout(),
  region = aws_get_region()
)
```

Arguments

VpnConnectionId

                 Character. The ID of the AWS Site-to-Site VPN connection.

VpnTunnelOutsideIpAddress

                 Character. The external IP address of the VPN tunnel.

TunnelOptions   Object. The tunnel options to modify.

DryRun   Logical. Checks whether you have the required permissions for the action, with-
                 out actually making the request,...[optional]

simplify   Logical. Whether to simplify the result and handle nextToken in the response[optional]

others   Named list. The parameters that are not included in the function parameters and
                 need to be added into the request[optional]

print_on_error   Logical. Whether to show an error message when a network error occurs.

retry_time   Integer. Number of retries for a REST request when encounter the network
                 issue. If the request has been sent retry_time times but still not be able to get
                 the response, an error will be thrown.

network_timeout

                 Numeric. Number of seconds to wait for a REST response until giving up. Can
                 not be less than 1 ms.

region   Character. The region of the AWS service.

Value

A list object or a character vector

VpnConnectionId

The ID of the AWS Site-to-Site VPN connection.

VpnTunnelOutsideIpAddress

The external IP address of the VPN tunnel.

TunnelOptions

The tunnel options to modify.

DryRun

Checks whether you have the required permissions for the action, without actually making the request, and provides an error response. If you have the required permissions, the error response is `DryRunOperation`. Otherwise, it is `UnauthorizedOperation`.

`ec2_monitor_instances` *Monitor Instances*

Description

Monitor Instances

Usage

```
ec2_monitor_instances(
  InstanceId,
  DryRun = NULL,
  simplify = TRUE,
  others = list(),
  print_on_error = aws_get_print_on_error(),
  retry_time = aws_get_retry_time(),
  network_timeout = aws_get_network_timeout(),
  region = aws_get_region()
)
```

Arguments

InstanceId	List. The IDs of the instances.
DryRun	Logical. Checks whether you have the required permissions for the action, without actually making the request,...[optional]
simplify	Logical. Whether to simplify the result and handle nextToken in the response[optional]
others	Named list. The parameters that are not included in the function parameters and need to be added into the request[optional]
print_on_error	Logical. Whether to show an error message when a network error occurs.
retry_time	Integer. Number of retries for a REST request when encounter the network issue. If the request has been sent `retry_time` times but still not be able to get the response, an error will be thrown.
network_timeout	
	Numeric. Number of seconds to wait for a REST response until giving up. Can not be less than 1 ms.
region	Character. The region of the AWS service.

Value

A list object or a character vector

InstanceId

The IDs of the instances.

DryRun

Checks whether you have the required permissions for the action, without actually making the request, and provides an error response. If you have the required permissions, the error response is `DryRunOperation`. Otherwise, it is `UnauthorizedOperation`.

---

ec2_move_address_to_vpc

Move Address To Vpc

Description

Moves an Elastic IP address from the EC2-Classic platform to the EC2-VPC platform. The Elastic IP address must be allocated to your account for more than 24 hours, and it must not be associated with an instance. After the Elastic IP address is moved, it is no longer available for use in the EC2-Classic platform, unless you move it back using the RestoreAddressToClassic request. You cannot move an Elastic IP address that was originally allocated for use in the EC2-VPC platform to the EC2-Classic platform.

Usage

```
ec2_move_address_to_vpc(
  PublicIp,
  DryRun = NULL,
  simplify = TRUE,
  others = list(),
  print_on_error = aws_get_print_on_error(),
  retry_time = aws_get_retry_time(),
  network_timeout = aws_get_network_timeout(),
  region = aws_get_region()
)
```

Arguments

PublicIp	Character. The Elastic IP address.
DryRun	Logical. Checks whether you have the required permissions for the action, without actually making the request,...[optional]
simplify	Logical. Whether to simplify the result and handle nextToken in the response[optional]

others	Named list. The parameters that are not included in the function parameters and need to be added into the request[optional]
print_on_error	Logical. Whether to show an error message when a network error occurs.
retry_time	Integer. Number of retries for a REST request when encounter the network issue. If the request has been sent retry_time times but still not be able to get the response, an error will be thrown.
network_timeout	
	Numeric. Number of seconds to wait for a REST response until giving up. Can not be less than 1 ms.
region	Character. The region of the AWS service.

Value

A list object or a character vector

PublicIp

The Elastic IP address.

DryRun

Checks whether you have the required permissions for the action, without actually making the request, and provides an error response. If you have the required permissions, the error response is DryRunOperation. Otherwise, it is UnauthorizedOperation.

---

ec2_provision_byoip_cidr

Provision Byoip Cidr

Description

Provision Byoip Cidr

Usage

```
ec2_provision_byoip_cidr(
  Cidr,
  CidrAuthorizationContext = NULL,
  PubliclyAdvertisable = NULL,
  Description = NULL,
  DryRun = NULL,
  PoolTagSpecification = NULL,
  simplify = TRUE,
  others = list(),
  print_on_error = aws_get_print_on_error(),
  retry_time = aws_get_retry_time(),
```

```
  network_timeout = aws_get_network_timeout(),
  region = aws_get_region()
)
```

Arguments

Cidr   Character. The public IPv4 or IPv6 address range, in CIDR notation.

CidrAuthorizationContext

                 Object. A signed document that proves that you are authorized to bring the specified IP address range to...[optional]

PubliclyAdvertisable

                 Logical. (IPv6 only) Indicate whether the address range will be publicly advertised to the internet.[optional]

Description   Character. A description for the address range and the address pool.[optional]

DryRun   Logical. Checks whether you have the required permissions for the action, without actually making the request,...[optional]

PoolTagSpecification

                 List. The tags to apply to the address pool.[optional]

simplify   Logical. Whether to simplify the result and handle nextToken in the response[optional]

others   Named list. The parameters that are not included in the function parameters and need to be added into the request[optional]

print_on_error   Logical. Whether to show an error message when a network error occurs.

retry_time   Integer. Number of retries for a REST request when encounter the network issue. If the request has been sent retry_time times but still not be able to get the response, an error will be thrown.

network_timeout

                 Numeric. Number of seconds to wait for a REST response until giving up. Can not be less than 1 ms.

region   Character. The region of the AWS service.

Value

A list object or a character vector

Cidr

The public IPv4 or IPv6 address range, in CIDR notation. The most specific IPv4 prefix that you can specify is /24. The most specific IPv6 prefix you can specify is /56. The address range cannot overlap with another address range that you\'ve brought to this or another Region.

CidrAuthorizationContext

A signed document that proves that you are authorized to bring the specified IP address range to Amazon using BYOIP.

PubliclyAdvertisable

(IPv6 only) Indicate whether the address range will be publicly advertised to the internet.

Default: true

Description

A description for the address range and the address pool.

DryRun

Checks whether you have the required permissions for the action, without actually making the request, and provides an error response. If you have the required permissions, the error response is `DryRunOperation`. Otherwise, it is `UnauthorizedOperation`.

PoolTagSpecification

The tags to apply to the address pool.

---

ec2_purchase_host_reservation

Purchase Host Reservation

Description

Purchase a reservation with configurations that match those of your Dedicated Host. You must have active Dedicated Hosts in your account before you purchase a reservation. This action results in the specified reservation being purchased and charged to your account.

Usage

```
ec2_purchase_host_reservation(
  HostIdSet,
  OfferingId,
  ClientToken = NULL,
  CurrencyCode = NULL,
  LimitPrice = NULL,
  TagSpecification = NULL,
  simplify = TRUE,
  others = list(),
  print_on_error = aws_get_print_on_error(),
  retry_time = aws_get_retry_time(),
  network_timeout = aws_get_network_timeout(),
  region = aws_get_region()
)
```

Arguments

HostIdSet	List. The IDs of the Dedicated Hosts with which the reservation will be associated.
OfferingId	Character. The ID of the offering.
ClientToken	Character. Unique, case-sensitive identifier that you provide to ensure the idempotency of the request.[optional]
CurrencyCode	Character. The currency in which the `totalUpfrontPrice`, `LimitPrice`, and `totalHourlyPrice` amounts are specified....[optional]
LimitPrice	Character. The specified limit is checked against the total upfront cost of the reservation (calculated as the offering\'s upfront cost multiplied by the host count)....[optional]
TagSpecification	
	List. The tags to apply to the Dedicated Host Reservation during purchase.[optional]
simplify	Logical. Whether to simplify the result and handle `nextToken` in the response[optional]
others	Named list. The parameters that are not included in the function parameters and need to be added into the request[optional]
print_on_error	Logical. Whether to show an error message when a network error occurs.
retry_time	Integer. Number of retries for a REST request when encounter the network issue. If the request has been sent `retry_time` times but still not be able to get the response, an error will be thrown.
network_timeout	
	Numeric. Number of seconds to wait for a REST response until giving up. Can not be less than 1 ms.
region	Character. The region of the AWS service.

Value

A list object or a character vector

HostIdSet

The IDs of the Dedicated Hosts with which the reservation will be associated.

OfferingId

The ID of the offering.

ClientToken

Unique, case-sensitive identifier that you provide to ensure the idempotency of the request. For more information, see Ensuring Idempotency.

CurrencyCode

The currency in which the totalUpfrontPrice, LimitPrice, and totalHourlyPrice amounts are specified. At this time, the only supported currency is USD.

LimitPrice

The specified limit is checked against the total upfront cost of the reservation (calculated as the offering\'s upfront cost multiplied by the host count). If the total upfront cost is greater than the specified price limit, the request fails. This is used to ensure that the purchase does not exceed the expected upfront cost of the purchase. At this time, the only supported currency is USD. For example, to indicate a limit price of USD 100, specify 100.00.

TagSpecification

The tags to apply to the Dedicated Host Reservation during purchase.

---

ec2_purchase_reserved_instances_offering
Purchase Reserved Instances Offering

Description

Purchase Reserved Instances Offering

Usage

```
ec2_purchase_reserved_instances_offering(
  InstanceCount,
  ReservedInstancesOfferingId,
  DryRun = NULL,
  LimitPrice = NULL,
  PurchaseTime = NULL,
  simplify = TRUE,
  others = list(),
  print_on_error = aws_get_print_on_error(),
  retry_time = aws_get_retry_time(),
  network_timeout = aws_get_network_timeout(),
  region = aws_get_region()
)
```

Arguments

InstanceCount	Integer. The number of Reserved Instances to purchase.
ReservedInstancesOfferingId	
	Character. The ID of the Reserved Instance offering to purchase.
DryRun	Logical. Checks whether you have the required permissions for the action, without actually making the request,...[optional]
LimitPrice	Object. Specified for Reserved Instance Marketplace offerings to limit the total order and ensure that the...[optional]
PurchaseTime	Character. The time at which to purchase the Reserved Instance, in UTC format (for example, *YYYY-MM-DD*T*HH*:*MM*:*SS*Z)....[optional]

simplify	Logical. Whether to simplify the result and handle nextToken in the response[optional]
others	Named list. The parameters that are not included in the function parameters and need to be added into the request[optional]
print_on_error	Logical. Whether to show an error message when a network error occurs.
retry_time	Integer. Number of retries for a REST request when encounter the network issue. If the request has been sent retry_time times but still not be able to get the response, an error will be thrown.
network_timeout	
	Numeric. Number of seconds to wait for a REST response until giving up. Can not be less than 1 ms.
region	Character. The region of the AWS service.

Value

A list object or a character vector

InstanceCount

The number of Reserved Instances to purchase.

ReservedInstancesOfferingId

The ID of the Reserved Instance offering to purchase.

DryRun

Checks whether you have the required permissions for the action, without actually making the request, and provides an error response. If you have the required permissions, the error response is DryRunOperation. Otherwise, it is UnauthorizedOperation.

LimitPrice

Specified for Reserved Instance Marketplace offerings to limit the total order and ensure that the Reserved Instances are not purchased at unexpected prices.

PurchaseTime

The time at which to purchase the Reserved Instance, in UTC format (for example, *YYYY-MM-DD*T*HH*:*MM*:*SS*Z).

ec2_purchase_scheduled_instances

Purchase Scheduled Instances

Description

Purchase Scheduled Instances

Usage

```
ec2_purchase_scheduled_instances(
  PurchaseRequest,
  ClientToken = NULL,
  DryRun = NULL,
  simplify = TRUE,
  others = list(),
  print_on_error = aws_get_print_on_error(),
  retry_time = aws_get_retry_time(),
  network_timeout = aws_get_network_timeout(),
  region = aws_get_region()
)
```

Arguments

PurchaseRequest

List. The purchase requests.

ClientToken   Character. Unique, case-sensitive identifier that ensures the idempotency of the request.[optional]

DryRun   Logical. Checks whether you have the required permissions for the action, without actually making the request,...[optional]

simplify   Logical. Whether to simplify the result and handle nextToken in the response[optional]

others   Named list. The parameters that are not included in the function parameters and need to be added into the request[optional]

print_on_error   Logical. Whether to show an error message when a network error occurs.

retry_time   Integer. Number of retries for a REST request when encounter the network issue. If the request has been sent retry_time times but still not be able to get the response, an error will be thrown.

network_timeout

Numeric. Number of seconds to wait for a REST response until giving up. Can not be less than 1 ms.

region   Character. The region of the AWS service.

Value

A list object or a character vector

PurchaseRequest

The purchase requests.

ClientToken

Unique, case-sensitive identifier that ensures the idempotency of the request. For more information, see Ensuring Idempotency.

DryRun

Checks whether you have the required permissions for the action, without actually making the request, and provides an error response. If you have the required permissions, the error response is DryRunOperation. Otherwise, it is UnauthorizedOperation.

---

ec2_reboot_instances   *Reboot Instances*

Description

Reboot Instances

Usage

```
ec2_reboot_instances(
  InstanceId,
  DryRun = NULL,
  simplify = TRUE,
  others = list(),
  print_on_error = aws_get_print_on_error(),
  retry_time = aws_get_retry_time(),
  network_timeout = aws_get_network_timeout(),
  region = aws_get_region()
)
```

Arguments

InstanceId	List. The instance IDs.
DryRun	Logical. Checks whether you have the required permissions for the action, without actually making the request,...[optional]
simplify	Logical. Whether to simplify the result and handle nextToken in the response[optional]
others	Named list. The parameters that are not included in the function parameters and need to be added into the request[optional]
print_on_error	Logical. Whether to show an error message when a network error occurs.
retry_time	Integer. Number of retries for a REST request when encounter the network issue. If the request has been sent retry_time times but still not be able to get the response, an error will be thrown.

network_timeout

> Numeric. Number of seconds to wait for a REST response until giving up. Can not be less than 1 ms.

region   Character. The region of the AWS service.

Value

A list object or a character vector

InstanceId

The instance IDs.

DryRun

Checks whether you have the required permissions for the action, without actually making the request, and provides an error response. If you have the required permissions, the error response is DryRunOperation. Otherwise, it is UnauthorizedOperation.

---

ec2_register_image   *Register Image*

Description

Register Image

Usage

```
ec2_register_image(
  Name,
  ImageLocation = NULL,
  Architecture = NULL,
  BlockDeviceMapping = NULL,
  Description = NULL,
  DryRun = NULL,
  EnaSupport = NULL,
  KernelId = NULL,
  BillingProduct = NULL,
  RamdiskId = NULL,
  RootDeviceName = NULL,
  SriovNetSupport = NULL,
  VirtualizationType = NULL,
  simplify = TRUE,
  others = list(),
  print_on_error = aws_get_print_on_error(),
  retry_time = aws_get_retry_time(),
  network_timeout = aws_get_network_timeout(),
  region = aws_get_region()
)
```

Arguments

Name	Character. A name for your AMI.
ImageLocation	Character. The full path to your AMI manifest in Amazon S3 storage.[optional]
Architecture	Character. The architecture of the AMI.[optional]
BlockDeviceMapping	
	List. The block device mapping entries.[optional]
Description	Character. A description for your AMI.[optional]
DryRun	Logical. Checks whether you have the required permissions for the action, without actually making the request,...[optional]
EnaSupport	Logical. Set to true to enable enhanced networking with ENA for the AMI and any instances that you launch...[optional]
KernelId	Character. The ID of the kernel.[optional]
BillingProduct	List. The billing product codes.[optional]
RamdiskId	Character. The ID of the RAM disk.[optional]
RootDeviceName	Character. The device name of the root device volume (for example, /dev/sda1).[optional]
SriovNetSupport	
	Character. Set to simple to enable enhanced networking with the Intel 82599 Virtual Function interface for...[optional]
VirtualizationType	
	Character. The type of virtualization (hvm | paravirtual). Default: paravirtual [optional]
simplify	Logical. Whether to simplify the result and handle nextToken in the response[optional]
others	Named list. The parameters that are not included in the function parameters and need to be added into the request[optional]
print_on_error	Logical. Whether to show an error message when a network error occurs.
retry_time	Integer. Number of retries for a REST request when encounter the network issue. If the request has been sent retry_time times but still not be able to get the response, an error will be thrown.
network_timeout	
	Numeric. Number of seconds to wait for a REST response until giving up. Can not be less than 1 ms.
region	Character. The region of the AWS service.

Value

A list object or a character vector

Name

A name for your AMI.

Constraints: 3-128 alphanumeric characters, parentheses (()), square brackets ([]), spaces ( ), periods (.), slashes (/), dashes (-), single quotes (\'), at-signs (@), or underscores(_)

ImageLocation

The full path to your AMI manifest in Amazon S3 storage. The specified bucket must have the `aws-exec-read` canned access control list (ACL) to ensure that it can be accessed by Amazon EC2. For more information, see Canned ACLs in the *Amazon S3 Service Developer Guide*.

Architecture

The architecture of the AMI.

Default: For Amazon EBS-backed AMIs, `i386`. For instance store-backed AMIs, the architecture specified in the manifest file.

BlockDeviceMapping

The block device mapping entries.

If you specify an EBS volume using the ID of an EBS snapshot, you can\'t specify the encryption state of the volume.

If you create an AMI on an Outpost, then all backing snapshots must be on the same Outpost or in the Region of that Outpost. AMIs on an Outpost that include local snapshots can be used to launch instances on the same Outpost only. For more information, Amazon EBS local snapshots on Outposts in the *Amazon Elastic Compute Cloud User Guide*.

Description

A description for your AMI.

DryRun

Checks whether you have the required permissions for the action, without actually making the request, and provides an error response. If you have the required permissions, the error response is `DryRunOperation`. Otherwise, it is `UnauthorizedOperation`.

EnaSupport

Set to `true` to enable enhanced networking with ENA for the AMI and any instances that you launch from the AMI.

This option is supported only for HVM AMIs. Specifying this option with a PV AMI can make instances launched from the AMI unreachable.

KernelId

The ID of the kernel.

BillingProduct

The billing product codes. Your account must be authorized to specify billing product codes. Otherwise, you can use the AWS Marketplace to bill for the use of an AMI.

RamdiskId

The ID of the RAM disk.

RootDeviceName

The device name of the root device volume (for example, /dev/sda1).

SriovNetSupport

Set to `simple` to enable enhanced networking with the Intel 82599 Virtual Function interface for the AMI and any instances that you launch from the AMI.

There is no way to disable `sriovNetSupport` at this time.

This option is supported only for HVM AMIs. Specifying this option with a PV AMI can make instances launched from the AMI unreachable.

VirtualizationType

The type of virtualization (`hvm \| paravirtual`).

Default: `paravirtual`

---

ec2_register_instance_event_notification_attributes

Register Instance Event Notification Attributes

Description

Register Instance Event Notification Attributes

Usage

```
ec2_register_instance_event_notification_attributes(
  DryRun = NULL,
  InstanceTagAttribute = NULL,
  simplify = TRUE,
  others = list(),
  print_on_error = aws_get_print_on_error(),
  retry_time = aws_get_retry_time(),
  network_timeout = aws_get_network_timeout(),
  region = aws_get_region()
)
```

Arguments

DryRun	Logical. Checks whether you have the required permissions for the action, without actually making the request,...[optional]
InstanceTagAttribute	Object. Information about the tag keys to register.[optional]
simplify	Logical. Whether to simplify the result and handle nextToken in the response[optional]
others	Named list. The parameters that are not included in the function parameters and need to be added into the request[optional]
print_on_error	Logical. Whether to show an error message when a network error occurs.
retry_time	Integer. Number of retries for a REST request when encounter the network issue. If the request has been sent retry_time times but still not be able to get the response, an error will be thrown.
network_timeout	Numeric. Number of seconds to wait for a REST response until giving up. Can not be less than 1 ms.
region	Character. The region of the AWS service.

Value

A list object or a character vector

DryRun

Checks whether you have the required permissions for the action, without actually making the request, and provides an error response. If you have the required permissions, the error response is DryRunOperation. Otherwise, it is UnauthorizedOperation.

InstanceTagAttribute

Information about the tag keys to register.

---

ec2_register_transit_gateway_multicast_group_members
Register Transit Gateway Multicast Group Members

Description

Register Transit Gateway Multicast Group Members

Usage

```
ec2_register_transit_gateway_multicast_group_members(
  TransitGatewayMulticastDomainId = NULL,
  GroupIpAddress = NULL,
  NetworkInterfaceIds = NULL,
  DryRun = NULL,
  simplify = TRUE,
  others = list(),
  print_on_error = aws_get_print_on_error(),
  retry_time = aws_get_retry_time(),
  network_timeout = aws_get_network_timeout(),
  region = aws_get_region()
)
```

Arguments

`TransitGatewayMulticastDomainId`

> Character. The ID of the transit gateway multicast domain.[optional]

`GroupIpAddress` Character. The IP address assigned to the transit gateway multicast group.[optional]

`NetworkInterfaceIds`

> List. The group members\' network interface IDs to register with the transit
> gateway multicast group.[optional]

`DryRun`   Logical. Checks whether you have the required permissions for the action, with-
>   out actually making the request,...[optional]

`simplify`   Logical. Whether to simplify the result and handle `nextToken` in the response[optional]

`others`   Named list. The parameters that are not included in the function parameters and
>   need to be added into the request[optional]

`print_on_error` Logical. Whether to show an error message when a network error occurs.

`retry_time`   Integer. Number of retries for a REST request when encounter the network
>   issue. If the request has been sent `retry_time` times but still not be able to get
>   the response, an error will be thrown.

`network_timeout`

> Numeric. Number of seconds to wait for a REST response until giving up. Can
> not be less than 1 ms.

`region`   Character. The region of the AWS service.

Value

A list object or a character vector

TransitGatewayMulticastDomainId

The ID of the transit gateway multicast domain.

GroupIpAddress

The IP address assigned to the transit gateway multicast group.

NetworkInterfaceIds

The group members\' network interface IDs to register with the transit gateway multicast group.

DryRun

Checks whether you have the required permissions for the action, without actually making the request, and provides an error response. If you have the required permissions, the error response is `DryRunOperation`. Otherwise, it is `UnauthorizedOperation`.

---

ec2_register_transit_gateway_multicast_group_sources
Register Transit Gateway Multicast Group Sources

Description

Register Transit Gateway Multicast Group Sources

Usage

```
ec2_register_transit_gateway_multicast_group_sources(
  TransitGatewayMulticastDomainId = NULL,
  GroupIpAddress = NULL,
  NetworkInterfaceIds = NULL,
  DryRun = NULL,
  simplify = TRUE,
  others = list(),
  print_on_error = aws_get_print_on_error(),
  retry_time = aws_get_retry_time(),
  network_timeout = aws_get_network_timeout(),
  region = aws_get_region()
)
```

Arguments

TransitGatewayMulticastDomainId
:   Character. The ID of the transit gateway multicast domain.[optional]

GroupIpAddress
:   Character. The IP address assigned to the transit gateway multicast group.[optional]

NetworkInterfaceIds
:   List. The group sources\' network interface IDs to register with the transit gateway multicast group.[optional]

DryRun
:   Logical. Checks whether you have the required permissions for the action, without actually making the request,...[optional]

simplify
:   Logical. Whether to simplify the result and handle `nextToken` in the response[optional]

others
:   Named list. The parameters that are not included in the function parameters and need to be added into the request[optional]

print_on_error Logical. Whether to show an error message when a network error occurs.

retry_time   Integer. Number of retries for a REST request when encounter the network
                issue. If the request has been sent `retry_time` times but still not be able to get
                the response, an error will be thrown.

network_timeout
                Numeric. Number of seconds to wait for a REST response until giving up. Can
                not be less than 1 ms.

region   Character. The region of the AWS service.

Value

A list object or a character vector

TransitGatewayMulticastDomainId

The ID of the transit gateway multicast domain.

GroupIpAddress

The IP address assigned to the transit gateway multicast group.

NetworkInterfaceIds

The group sources\' network interface IDs to register with the transit gateway multicast group.

DryRun

Checks whether you have the required permissions for the action, without actually making the
request, and provides an error response. If you have the required permissions, the error response is
`DryRunOperation`. Otherwise, it is `UnauthorizedOperation`.

---

ec2_reject_transit_gateway_multicast_domain_associations

Reject Transit Gateway Multicast Domain Associations

Description

Rejects a request to associate cross-account subnets with a transit gateway multicast domain.

Usage

```
ec2_reject_transit_gateway_multicast_domain_associations(
  TransitGatewayMulticastDomainId = NULL,
  TransitGatewayAttachmentId = NULL,
  SubnetIds = NULL,
  DryRun = NULL,
  simplify = TRUE,
```

```
    others = list(),
    print_on_error = aws_get_print_on_error(),
    retry_time = aws_get_retry_time(),
    network_timeout = aws_get_network_timeout(),
    region = aws_get_region()
)
```

Arguments

TransitGatewayMulticastDomainId

    Character. The ID of the transit gateway multicast domain.[optional]

TransitGatewayAttachmentId

    Character. The ID of the transit gateway attachment.[optional]

SubnetIds   List. The IDs of the subnets to associate with the transit gateway multicast domain.[optional]

DryRun   Logical. Checks whether you have the required permissions for the action, without actually making the request,...[optional]

simplify   Logical. Whether to simplify the result and handle nextToken in the response[optional]

others   Named list. The parameters that are not included in the function parameters and need to be added into the request[optional]

print_on_error Logical. Whether to show an error message when a network error occurs.

retry_time   Integer. Number of retries for a REST request when encounter the network issue. If the request has been sent retry_time times but still not be able to get the response, an error will be thrown.

network_timeout

    Numeric. Number of seconds to wait for a REST response until giving up. Can not be less than 1 ms.

region   Character. The region of the AWS service.

Value

A list object or a character vector

TransitGatewayMulticastDomainId

The ID of the transit gateway multicast domain.

TransitGatewayAttachmentId

The ID of the transit gateway attachment.

SubnetIds

The IDs of the subnets to associate with the transit gateway multicast domain.

DryRun

Checks whether you have the required permissions for the action, without actually making the request, and provides an error response. If you have the required permissions, the error response is `DryRunOperation`. Otherwise, it is `UnauthorizedOperation`.

---

ec2_reject_transit_gateway_peering_attachment
                                    Reject Transit Gateway Peering Attachment

---

Description

Rejects a transit gateway peering attachment request.

Usage

```
ec2_reject_transit_gateway_peering_attachment(
  TransitGatewayAttachmentId,
  DryRun = NULL,
  simplify = TRUE,
  others = list(),
  print_on_error = aws_get_print_on_error(),
  retry_time = aws_get_retry_time(),
  network_timeout = aws_get_network_timeout(),
  region = aws_get_region()
)
```

Arguments

TransitGatewayAttachmentId

> Character. The ID of the transit gateway peering attachment.

DryRun
: Logical. Checks whether you have the required permissions for the action, without actually making the request,...[optional]

simplify
: Logical. Whether to simplify the result and handle `nextToken` in the response[optional]

others
: Named list. The parameters that are not included in the function parameters and need to be added into the request[optional]

print_on_error Logical. Whether to show an error message when a network error occurs.

retry_time
: Integer. Number of retries for a REST request when encounter the network issue. If the request has been sent `retry_time` times but still not be able to get the response, an error will be thrown.

network_timeout

> Numeric. Number of seconds to wait for a REST response until giving up. Can not be less than 1 ms.

region
: Character. The region of the AWS service.

Value

A list object or a character vector

TransitGatewayAttachmentId

The ID of the transit gateway peering attachment.

DryRun

Checks whether you have the required permissions for the action, without actually making the request, and provides an error response. If you have the required permissions, the error response is `DryRunOperation`. Otherwise, it is `UnauthorizedOperation`.

---

ec2_reject_transit_gateway_vpc_attachment

Reject Transit Gateway Vpc Attachment

Description

Reject Transit Gateway Vpc Attachment

Usage

```
ec2_reject_transit_gateway_vpc_attachment(
  TransitGatewayAttachmentId,
  DryRun = NULL,
  simplify = TRUE,
  others = list(),
  print_on_error = aws_get_print_on_error(),
  retry_time = aws_get_retry_time(),
  network_timeout = aws_get_network_timeout(),
  region = aws_get_region()
)
```

Arguments

TransitGatewayAttachmentId

Character. The ID of the attachment.

DryRun   Logical. Checks whether you have the required permissions for the action, without actually making the request,...[optional]

simplify   Logical. Whether to simplify the result and handle `nextToken` in the response[optional]

others   Named list. The parameters that are not included in the function parameters and need to be added into the request[optional]

print_on_error Logical. Whether to show an error message when a network error occurs.

retry_time	Integer. Number of retries for a REST request when encounter the network issue. If the request has been sent retry_time times but still not be able to get the response, an error will be thrown.
network_timeout	
	Numeric. Number of seconds to wait for a REST response until giving up. Can not be less than 1 ms.
region	Character. The region of the AWS service.

Value

A list object or a character vector

TransitGatewayAttachmentId

The ID of the attachment.

DryRun

Checks whether you have the required permissions for the action, without actually making the request, and provides an error response. If you have the required permissions, the error response is DryRunOperation. Otherwise, it is UnauthorizedOperation.

---

ec2_reject_vpc_endpoint_connections

Reject Vpc Endpoint Connections

Description

Rejects one or more VPC endpoint connection requests to your VPC endpoint service.

Usage

```
ec2_reject_vpc_endpoint_connections(
  ServiceId,
  VpcEndpointId,
  DryRun = NULL,
  simplify = TRUE,
  others = list(),
  print_on_error = aws_get_print_on_error(),
  retry_time = aws_get_retry_time(),
  network_timeout = aws_get_network_timeout(),
  region = aws_get_region()
)
```

Arguments

`ServiceId`	Character. The ID of the service.
`VpcEndpointId`	List. The IDs of one or more VPC endpoints.
`DryRun`	Logical. Checks whether you have the required permissions for the action, without actually making the request,...[optional]
`simplify`	Logical. Whether to simplify the result and handle `nextToken` in the response[optional]
`others`	Named list. The parameters that are not included in the function parameters and need to be added into the request[optional]
`print_on_error`	Logical. Whether to show an error message when a network error occurs.
`retry_time`	Integer. Number of retries for a REST request when encounter the network issue. If the request has been sent `retry_time` times but still not be able to get the response, an error will be thrown.
`network_timeout`	
	Numeric. Number of seconds to wait for a REST response until giving up. Can not be less than 1 ms.
`region`	Character. The region of the AWS service.

Value

A list object or a character vector

ServiceId

The ID of the service.

VpcEndpointId

The IDs of one or more VPC endpoints.

DryRun

Checks whether you have the required permissions for the action, without actually making the request, and provides an error response. If you have the required permissions, the error response is `DryRunOperation`. Otherwise, it is `UnauthorizedOperation`.

`ec2_reject_vpc_peering_connection`
Reject Vpc Peering Connection

Description

Rejects a VPC peering connection request. The VPC peering connection must be in the `pending-acceptance` state. Use the DescribeVpcPeeringConnections request to view your outstanding VPC peering connection requests. To delete an active VPC peering connection, or to delete a VPC peering connection request that you initiated, use DeleteVpcPeeringConnection.

Usage

```
ec2_reject_vpc_peering_connection(
  VpcPeeringConnectionId,
  DryRun = NULL,
  simplify = TRUE,
  others = list(),
  print_on_error = aws_get_print_on_error(),
  retry_time = aws_get_retry_time(),
  network_timeout = aws_get_network_timeout(),
  region = aws_get_region()
)
```

Arguments

VpcPeeringConnectionId

        Character. The ID of the VPC peering connection.

DryRun   Logical. Checks whether you have the required permissions for the action, without actually making the request,...[optional]

simplify   Logical. Whether to simplify the result and handle nextToken in the response[optional]

others   Named list. The parameters that are not included in the function parameters and need to be added into the request[optional]

print_on_error Logical. Whether to show an error message when a network error occurs.

retry_time   Integer. Number of retries for a REST request when encounter the network issue. If the request has been sent retry_time times but still not be able to get the response, an error will be thrown.

network_timeout

        Numeric. Number of seconds to wait for a REST response until giving up. Can not be less than 1 ms.

region   Character. The region of the AWS service.

Value

A list object or a character vector

VpcPeeringConnectionId

The ID of the VPC peering connection.

DryRun

Checks whether you have the required permissions for the action, without actually making the request, and provides an error response. If you have the required permissions, the error response is DryRunOperation. Otherwise, it is UnauthorizedOperation.

ec2_release_address   *Release Address*

Description

Release Address

Usage

```
ec2_release_address(
  AllocationId = NULL,
  PublicIp = NULL,
  NetworkBorderGroup = NULL,
  DryRun = NULL,
  simplify = TRUE,
  others = list(),
  print_on_error = aws_get_print_on_error(),
  retry_time = aws_get_retry_time(),
  network_timeout = aws_get_network_timeout(),
  region = aws_get_region()
)
```

Arguments

AllocationId	Character. [EC2-VPC] The allocation ID. Required for EC2-VPC.[optional]
PublicIp	Character. [EC2-Classic] The Elastic IP address. Required for EC2-Classic.[optional]
NetworkBorderGroup	
	Character. The set of Availability Zones, Local Zones, or Wavelength Zones from which AWS advertises IP addresses....[optional]
DryRun	Logical. Checks whether you have the required permissions for the action, without actually making the request,...[optional]
simplify	Logical. Whether to simplify the result and handle nextToken in the response[optional]
others	Named list. The parameters that are not included in the function parameters and need to be added into the request[optional]
print_on_error	Logical. Whether to show an error message when a network error occurs.
retry_time	Integer. Number of retries for a REST request when encounter the network issue. If the request has been sent retry_time times but still not be able to get the response, an error will be thrown.
network_timeout	
	Numeric. Number of seconds to wait for a REST response until giving up. Can not be less than 1 ms.
region	Character. The region of the AWS service.

Value

A list object or a character vector

AllocationId

[EC2-VPC] The allocation ID. Required for EC2-VPC.

PublicIp

[EC2-Classic] The Elastic IP address. Required for EC2-Classic.

NetworkBorderGroup

The set of Availability Zones, Local Zones, or Wavelength Zones from which AWS advertises IP addresses.

If you provide an incorrect network border group, you will receive an `InvalidAddress.NotFound` error. For more information, see Error Codes.

You cannot use a network border group with EC2 Classic. If you attempt this operation on EC2 classic, you will receive an `InvalidParameterCombination` error. For more information, see Error Codes.

DryRun

Checks whether you have the required permissions for the action, without actually making the request, and provides an error response. If you have the required permissions, the error response is `DryRunOperation`. Otherwise, it is `UnauthorizedOperation`.

---

ec2_release_hosts *Release Hosts*

Description

Release Hosts

Usage

```
ec2_release_hosts(
  HostId,
  simplify = TRUE,
  others = list(),
  print_on_error = aws_get_print_on_error(),
  retry_time = aws_get_retry_time(),
  network_timeout = aws_get_network_timeout(),
  region = aws_get_region()
)
```

Arguments

`HostId`	List. The IDs of the Dedicated Hosts to release.
`simplify`	Logical. Whether to simplify the result and handle `nextToken` in the response[optional]
`others`	Named list. The parameters that are not included in the function parameters and need to be added into the request[optional]
`print_on_error`	Logical. Whether to show an error message when a network error occurs.
`retry_time`	Integer. Number of retries for a REST request when encounter the network issue. If the request has been sent `retry_time` times but still not be able to get the response, an error will be thrown.
`network_timeout`	
	Numeric. Number of seconds to wait for a REST response until giving up. Can not be less than 1 ms.
`region`	Character. The region of the AWS service.

Value

A list object or a character vector

HostId

The IDs of the Dedicated Hosts to release.

---

ec2_replace_iam_instance_profile_association
Replace Iam Instance Profile Association

Description

Replace Iam Instance Profile Association

Usage

```
ec2_replace_iam_instance_profile_association(
  IamInstanceProfile,
  AssociationId,
  simplify = TRUE,
  others = list(),
  print_on_error = aws_get_print_on_error(),
  retry_time = aws_get_retry_time(),
  network_timeout = aws_get_network_timeout(),
  region = aws_get_region()
)
```

Arguments

IamInstanceProfile

> Object. The IAM instance profile.

AssociationId   Character. The ID of the existing IAM instance profile association.

simplify   Logical. Whether to simplify the result and handle nextToken in the response[optional]

others   Named list. The parameters that are not included in the function parameters and need to be added into the request[optional]

print_on_error Logical. Whether to show an error message when a network error occurs.

retry_time   Integer. Number of retries for a REST request when encounter the network issue. If the request has been sent retry_time times but still not be able to get the response, an error will be thrown.

network_timeout

> Numeric. Number of seconds to wait for a REST response until giving up. Can not be less than 1 ms.

region   Character. The region of the AWS service.

Value

A list object or a character vector

IamInstanceProfile

The IAM instance profile.

AssociationId

The ID of the existing IAM instance profile association.

---

ec2_replace_network_acl_association
              Replace Network Acl Association

Description

Replace Network Acl Association

Usage

```
ec2_replace_network_acl_association(
  AssociationId,
  NetworkAclId,
  DryRun = NULL,
  simplify = TRUE,
  others = list(),
  print_on_error = aws_get_print_on_error(),
```

```
    retry_time = aws_get_retry_time(),
    network_timeout = aws_get_network_timeout(),
    region = aws_get_region()
)
```

Arguments

AssociationId	Character. The ID of the current association between the original network ACL and the subnet.
NetworkAclId	Character. The ID of the new network ACL to associate with the subnet.
DryRun	Logical. Checks whether you have the required permissions for the action, without actually making the request,...[optional]
simplify	Logical. Whether to simplify the result and handle nextToken in the response[optional]
others	Named list. The parameters that are not included in the function parameters and need to be added into the request[optional]
print_on_error	Logical. Whether to show an error message when a network error occurs.
retry_time	Integer. Number of retries for a REST request when encounter the network issue. If the request has been sent retry_time times but still not be able to get the response, an error will be thrown.
network_timeout	
	Numeric. Number of seconds to wait for a REST response until giving up. Can not be less than 1 ms.
region	Character. The region of the AWS service.

Value

A list object or a character vector

AssociationId

The ID of the current association between the original network ACL and the subnet.

NetworkAclId

The ID of the new network ACL to associate with the subnet.

DryRun

Checks whether you have the required permissions for the action, without actually making the request, and provides an error response. If you have the required permissions, the error response is DryRunOperation. Otherwise, it is UnauthorizedOperation.

ec2_replace_network_acl_entry

Replace Network Acl Entry

Description

Replaces an entry (rule) in a network ACL. For more information, see Network ACLs in the *Amazon Virtual Private Cloud User Guide*.

Usage

```
ec2_replace_network_acl_entry(
  Egress,
  NetworkAclId,
  Protocol,
  RuleAction,
  RuleNumber,
  CidrBlock = NULL,
  DryRun = NULL,
  Icmp = NULL,
  Ipv6CidrBlock = NULL,
  PortRange = NULL,
  simplify = TRUE,
  others = list(),
  print_on_error = aws_get_print_on_error(),
  retry_time = aws_get_retry_time(),
  network_timeout = aws_get_network_timeout(),
  region = aws_get_region()
)
```

Arguments

Egress	Logical. Indicates whether to replace the egress rule.
NetworkAclId	Character. The ID of the ACL.
Protocol	Character. The protocol number.
RuleAction	Character. Indicates whether to allow or deny the traffic that matches the rule.
RuleNumber	Integer. The rule number of the entry to replace.
CidrBlock	Character. The IPv4 network range to allow or deny, in CIDR notation (for example 172.16.0.0/24).[optional]
DryRun	Logical. Checks whether you have the required permissions for the action, without actually making the request,...[optional]
Icmp	Object. ICMP protocol: The ICMP or ICMPv6 type and code.[optional]
Ipv6CidrBlock	Character. The IPv6 network range to allow or deny, in CIDR notation (for example 2001:bd8:1234:1a00::/64).[optional]

PortRange	Object. TCP or UDP protocols: The range of ports the rule applies to.[optional]
simplify	Logical. Whether to simplify the result and handle `nextToken` in the response[optional]
others	Named list. The parameters that are not included in the function parameters and need to be added into the request[optional]
print_on_error	Logical. Whether to show an error message when a network error occurs.
retry_time	Integer. Number of retries for a REST request when encounter the network issue. If the request has been sent `retry_time` times but still not be able to get the response, an error will be thrown.
network_timeout	
	Numeric. Number of seconds to wait for a REST response until giving up. Can not be less than 1 ms.
region	Character. The region of the AWS service.

Value

A list object or a character vector

Egress

Indicates whether to replace the egress rule.

Default: If no value is specified, we replace the ingress rule.

NetworkAclId

The ID of the ACL.

Protocol

The protocol number. A value of \'-1\' means all protocols. If you specify \'-1\' or a protocol number other than \'6\' (TCP), \'17\' (UDP), or \'1\' (ICMP), traffic on all ports is allowed, regardless of any ports or ICMP types or codes that you specify. If you specify protocol \'58\' (ICMPv6) and specify an IPv4 CIDR block, traffic for all ICMP types and codes allowed, regardless of any that you specify. If you specify protocol \'58\' (ICMPv6) and specify an IPv6 CIDR block, you must specify an ICMP type and code.

RuleAction

Indicates whether to allow or deny the traffic that matches the rule.

RuleNumber

The rule number of the entry to replace.

CidrBlock

The IPv4 network range to allow or deny, in CIDR notation (for example 172.16.0.0/24).

DryRun

Checks whether you have the required permissions for the action, without actually making the request, and provides an error response. If you have the required permissions, the error response is `DryRunOperation`. Otherwise, it is `UnauthorizedOperation`.

Icmp

ICMP protocol: The ICMP or ICMPv6 type and code. Required if specifying protocol 1 (ICMP) or protocol 58 (ICMPv6) with an IPv6 CIDR block.

Ipv6CidrBlock

The IPv6 network range to allow or deny, in CIDR notation (for example 2001:bd8:1234:1a00::/64).

PortRange

TCP or UDP protocols: The range of ports the rule applies to. Required if specifying protocol 6 (TCP) or 17 (UDP).

---

ec2_replace_route   *Replace Route*

Description

Replace Route

Usage

```
ec2_replace_route(
  RouteTableId,
  DestinationCidrBlock = NULL,
  DestinationIpv6CidrBlock = NULL,
  DestinationPrefixListId = NULL,
  DryRun = NULL,
  VpcEndpointId = NULL,
  EgressOnlyInternetGatewayId = NULL,
  GatewayId = NULL,
  InstanceId = NULL,
  LocalTarget = NULL,
  NatGatewayId = NULL,
  TransitGatewayId = NULL,
  LocalGatewayId = NULL,
  CarrierGatewayId = NULL,
  NetworkInterfaceId = NULL,
  VpcPeeringConnectionId = NULL,
  simplify = TRUE,
  others = list(),
```

```
    print_on_error = aws_get_print_on_error(),
    retry_time = aws_get_retry_time(),
    network_timeout = aws_get_network_timeout(),
    region = aws_get_region()
)
```

Arguments

RouteTableId	Character. The ID of the route table.
DestinationCidrBlock	
	Character. The IPv4 CIDR address block used for the destination match.[optional]
DestinationIpv6CidrBlock	
	Character. The IPv6 CIDR address block used for the destination match.[optional]
DestinationPrefixListId	
	Character. The ID of the prefix list for the route.[optional]
DryRun	Logical. Checks whether you have the required permissions for the action, without actually making the request,...[optional]
VpcEndpointId	Character. The ID of a VPC endpoint. Supported for Gateway Load Balancer endpoints only.[optional]
EgressOnlyInternetGatewayId	
	Character. [IPv6 traffic only] The ID of an egress-only internet gateway.[optional]
GatewayId	Character. The ID of an internet gateway or virtual private gateway.[optional]
InstanceId	Character. The ID of a NAT instance in your VPC.[optional]
LocalTarget	Logical. Specifies whether to reset the local route to its default target (local).[optional]
NatGatewayId	Character. [IPv4 traffic only] The ID of a NAT gateway.[optional]
TransitGatewayId	
	Character. The ID of a transit gateway.[optional]
LocalGatewayId	Character. The ID of the local gateway.[optional]
CarrierGatewayId	
	Character. [IPv4 traffic only] The ID of a carrier gateway.[optional]
NetworkInterfaceId	
	Character. The ID of a network interface.[optional]
VpcPeeringConnectionId	
	Character. The ID of a VPC peering connection.[optional]
simplify	Logical. Whether to simplify the result and handle nextToken in the response[optional]
others	Named list. The parameters that are not included in the function parameters and need to be added into the request[optional]
print_on_error	Logical. Whether to show an error message when a network error occurs.
retry_time	Integer. Number of retries for a REST request when encounter the network issue. If the request has been sent retry_time times but still not be able to get the response, an error will be thrown.
network_timeout	
	Numeric. Number of seconds to wait for a REST response until giving up. Can not be less than 1 ms.
region	Character. The region of the AWS service.

Value

A list object or a character vector

RouteTableId

The ID of the route table.

DestinationCidrBlock

The IPv4 CIDR address block used for the destination match. The value that you provide must match the CIDR of an existing route in the table.

DestinationIpv6CidrBlock

The IPv6 CIDR address block used for the destination match. The value that you provide must match the CIDR of an existing route in the table.

DestinationPrefixListId

The ID of the prefix list for the route.

DryRun

Checks whether you have the required permissions for the action, without actually making the request, and provides an error response. If you have the required permissions, the error response is `DryRunOperation`. Otherwise, it is `UnauthorizedOperation`.

VpcEndpointId

The ID of a VPC endpoint. Supported for Gateway Load Balancer endpoints only.

EgressOnlyInternetGatewayId

[IPv6 traffic only] The ID of an egress-only internet gateway.

GatewayId

The ID of an internet gateway or virtual private gateway.

InstanceId

The ID of a NAT instance in your VPC.

LocalTarget

Specifies whether to reset the local route to its default target (`local`).

NatGatewayId

[IPv4 traffic only] The ID of a NAT gateway.

TransitGatewayId

>   The ID of a transit gateway.

LocalGatewayId

>   The ID of the local gateway.

CarrierGatewayId

>   [IPv4 traffic only] The ID of a carrier gateway.

NetworkInterfaceId

>   The ID of a network interface.

VpcPeeringConnectionId

>   The ID of a VPC peering connection.

---

ec2_replace_route_table_association

Replace Route Table Association

Description

>   Replace Route Table Association

Usage

```
ec2_replace_route_table_association(
  AssociationId,
  RouteTableId,
  DryRun = NULL,
  simplify = TRUE,
  others = list(),
  print_on_error = aws_get_print_on_error(),
  retry_time = aws_get_retry_time(),
  network_timeout = aws_get_network_timeout(),
  region = aws_get_region()
)
```

Arguments

AssociationId	Character. The association ID.
RouteTableId	Character. The ID of the new route table to associate with the subnet.
DryRun	Logical. Checks whether you have the required permissions for the action, without actually making the request,...[optional]
simplify	Logical. Whether to simplify the result and handle nextToken in the response[optional]
others	Named list. The parameters that are not included in the function parameters and need to be added into the request[optional]
print_on_error	Logical. Whether to show an error message when a network error occurs.
retry_time	Integer. Number of retries for a REST request when encounter the network issue. If the request has been sent retry_time times but still not be able to get the response, an error will be thrown.
network_timeout	
	Numeric. Number of seconds to wait for a REST response until giving up. Can not be less than 1 ms.
region	Character. The region of the AWS service.

Value

A list object or a character vector

AssociationId

The association ID.

RouteTableId

The ID of the new route table to associate with the subnet.

DryRun

Checks whether you have the required permissions for the action, without actually making the request, and provides an error response. If you have the required permissions, the error response is DryRunOperation. Otherwise, it is UnauthorizedOperation.

---

ec2_replace_transit_gateway_route
Replace Transit Gateway Route

Description

Replaces the specified route in the specified transit gateway route table.

Usage

```
ec2_replace_transit_gateway_route(
  DestinationCidrBlock,
  TransitGatewayRouteTableId,
  TransitGatewayAttachmentId = NULL,
  Blackhole = NULL,
  DryRun = NULL,
  simplify = TRUE,
  others = list(),
  print_on_error = aws_get_print_on_error(),
  retry_time = aws_get_retry_time(),
  network_timeout = aws_get_network_timeout(),
  region = aws_get_region()
)
```

Arguments

DestinationCidrBlock

    Character. The CIDR range used for the destination match.

TransitGatewayRouteTableId

    Character. The ID of the route table.

TransitGatewayAttachmentId

    Character. The ID of the attachment.[optional]

Blackhole	Logical. Indicates whether traffic matching this route is to be dropped.[optional]
DryRun	Logical. Checks whether you have the required permissions for the action, without actually making the request,...[optional]
simplify	Logical. Whether to simplify the result and handle nextToken in the response[optional]
others	Named list. The parameters that are not included in the function parameters and need to be added into the request[optional]
print_on_error	Logical. Whether to show an error message when a network error occurs.
retry_time	Integer. Number of retries for a REST request when encounter the network issue. If the request has been sent retry_time times but still not be able to get the response, an error will be thrown.

network_timeout

    Numeric. Number of seconds to wait for a REST response until giving up. Can not be less than 1 ms.

region	Character. The region of the AWS service.

Value

A list object or a character vector

DestinationCidrBlock

The CIDR range used for the destination match. Routing decisions are based on the most specific match.

TransitGatewayRouteTableId

> The ID of the route table.

TransitGatewayAttachmentId

> The ID of the attachment.

Blackhole

Indicates whether traffic matching this route is to be dropped.

DryRun

> Checks whether you have the required permissions for the action, without actually making the
> request, and provides an error response. If you have the required permissions, the error response is
> `DryRunOperation`. Otherwise, it is `UnauthorizedOperation`.

---

ec2_report_instance_status

Report Instance Status

Description

Report Instance Status

Usage

```
ec2_report_instance_status(
  InstanceId,
  ReasonCode,
  Status,
  Description = NULL,
  DryRun = NULL,
  EndTime = NULL,
  StartTime = NULL,
  simplify = TRUE,
  others = list(),
  print_on_error = aws_get_print_on_error(),
  retry_time = aws_get_retry_time(),
  network_timeout = aws_get_network_timeout(),
  region = aws_get_region()
)
```

Arguments

InstanceId	List. The instances.
ReasonCode	List. The reason codes that describe the health state of your instance.
Status	Character. The status of all instances listed.
Description	Character. Descriptive text about the health state of your instance.[optional]
DryRun	Logical. Checks whether you have the required permissions for the action, without actually making the request,...[optional]
EndTime	Character. The time at which the reported instance health state ended.[optional]
StartTime	Character. The time at which the reported instance health state began.[optional]
simplify	Logical. Whether to simplify the result and handle nextToken in the response[optional]
others	Named list. The parameters that are not included in the function parameters and need to be added into the request[optional]
print_on_error	Logical. Whether to show an error message when a network error occurs.
retry_time	Integer. Number of retries for a REST request when encounter the network issue. If the request has been sent retry_time times but still not be able to get the response, an error will be thrown.
network_timeout	
	Numeric. Number of seconds to wait for a REST response until giving up. Can not be less than 1 ms.
region	Character. The region of the AWS service.

Value

A list object or a character vector

InstanceId

The instances.

ReasonCode

The reason codes that describe the health state of your instance.

- instance-stuck-in-state: My instance is stuck in a state.
- unresponsive: My instance is unresponsive.
- not-accepting-credentials: My instance is not accepting my credentials.
- password-not-available: A password is not available for my instance.
- performance-network: My instance is experiencing performance problems that I believe are network related.
- performance-instance-store: My instance is experiencing performance problems that I believe are related to the instance stores.
- performance-ebs-volume: My instance is experiencing performance problems that I believe are related to an EBS volume.
- performance-other: My instance is experiencing performance problems.
- other: [explain using the description parameter]

Status

The status of all instances listed.

Description

Descriptive text about the health state of your instance.

DryRun

Checks whether you have the required permissions for the action, without actually making the request, and provides an error response. If you have the required permissions, the error response is `DryRunOperation`. Otherwise, it is `UnauthorizedOperation`.

EndTime

The time at which the reported instance health state ended.

StartTime

The time at which the reported instance health state began.

---

ec2_request_spot_fleet

Request Spot Fleet

Description

Request Spot Fleet

Usage

```
ec2_request_spot_fleet(
  SpotFleetRequestConfig,
  DryRun = NULL,
  simplify = TRUE,
  others = list(),
  print_on_error = aws_get_print_on_error(),
  retry_time = aws_get_retry_time(),
  network_timeout = aws_get_network_timeout(),
  region = aws_get_region()
)
```

Arguments

SpotFleetRequestConfig
:   Object. The configuration for the Spot Fleet request.

DryRun
:   Logical. Checks whether you have the required permissions for the action, without actually making the request,...[optional]

simplify
:   Logical. Whether to simplify the result and handle `nextToken` in the response[optional]

others
:   Named list. The parameters that are not included in the function parameters and need to be added into the request[optional]

print_on_error
:   Logical. Whether to show an error message when a network error occurs.

retry_time
:   Integer. Number of retries for a REST request when encounter the network issue. If the request has been sent `retry_time` times but still not be able to get the response, an error will be thrown.

network_timeout
:   Numeric. Number of seconds to wait for a REST response until giving up. Can not be less than 1 ms.

region
:   Character. The region of the AWS service.

Value

A list object or a character vector

SpotFleetRequestConfig

The configuration for the Spot Fleet request.

DryRun

Checks whether you have the required permissions for the action, without actually making the request, and provides an error response. If you have the required permissions, the error response is `DryRunOperation`. Otherwise, it is `UnauthorizedOperation`.

---

ec2_request_spot_instances

Request Spot Instances

Description

Request Spot Instances

Usage

```
ec2_request_spot_instances(
  AvailabilityZoneGroup = NULL,
  BlockDurationMinutes = NULL,
  ClientToken = NULL,
  DryRun = NULL,
  InstanceCount = NULL,
  LaunchGroup = NULL,
  LaunchSpecification = NULL,
  SpotPrice = NULL,
  Type = NULL,
  ValidFrom = NULL,
  ValidUntil = NULL,
  TagSpecification = NULL,
  InstanceInterruptionBehavior = NULL,
  simplify = TRUE,
  others = list(),
  print_on_error = aws_get_print_on_error(),
  retry_time = aws_get_retry_time(),
  network_timeout = aws_get_network_timeout(),
  region = aws_get_region()
)
```

Arguments

AvailabilityZoneGroup

        Character. The user-specified name for a logical grouping of requests.[optional]

BlockDurationMinutes

        Integer. The required duration for the Spot Instances (also known as Spot blocks), in minutes.[optional]

ClientToken   Character. Unique, case-sensitive identifier that you provide to ensure the idempotency of the request.[optional]

DryRun   Logical. Checks whether you have the required permissions for the action, without actually making the request,...[optional]

InstanceCount   Integer. The maximum number of Spot Instances to launch. Default: 1 [optional]

LaunchGroup   Character. The instance launch group.[optional]

LaunchSpecification

        Object. The launch specification.[optional]

SpotPrice   Character. The maximum price per hour that you are willing to pay for a Spot Instance.[optional]

Type   Character. The Spot Instance request type. Default: one-time [optional]

ValidFrom   Character. The start date of the request.[optional]

ValidUntil   Character. The end date of the request, in UTC format (*YYYY-MM-DD*T*HH*:*MM*:*SS*Z).[optional]

TagSpecification

        List. The key-value pair for tagging the Spot Instance request on creation.[optional]

InstanceInterruptionBehavior	
	Character. The behavior when a Spot Instance is interrupted. The default is `terminate`.[optional]
simplify	Logical. Whether to simplify the result and handle `nextToken` in the response[optional]
others	Named list. The parameters that are not included in the function parameters and need to be added into the request[optional]
print_on_error	Logical. Whether to show an error message when a network error occurs.
retry_time	Integer. Number of retries for a REST request when encounter the network issue. If the request has been sent `retry_time` times but still not be able to get the response, an error will be thrown.
network_timeout	
	Numeric. Number of seconds to wait for a REST response until giving up. Can not be less than 1 ms.
region	Character. The region of the AWS service.

Value

A list object or a character vector

AvailabilityZoneGroup

The user-specified name for a logical grouping of requests.

When you specify an Availability Zone group in a Spot Instance request, all Spot Instances in the request are launched in the same Availability Zone. Instance proximity is maintained with this parameter, but the choice of Availability Zone is not. The group applies only to requests for Spot Instances of the same instance type. Any additional Spot Instance requests that are specified with the same Availability Zone group name are launched in that same Availability Zone, as long as at least one instance from the group is still active.

If there is no active instance running in the Availability Zone group that you specify for a new Spot Instance request (all instances are terminated, the request is expired, or the maximum price you specified falls below current Spot price), then Amazon EC2 launches the instance in any Availability Zone where the constraint can be met. Consequently, the subsequent set of Spot Instances could be placed in a different zone from the original request, even if you specified the same Availability Zone group.

Default: Instances are launched in any available Availability Zone.

BlockDurationMinutes

The required duration for the Spot Instances (also known as Spot blocks), in minutes. This value must be a multiple of 60 (60, 120, 180, 240, 300, or 360).

The duration period starts as soon as your Spot Instance receives its instance ID. At the end of the duration period, Amazon EC2 marks the Spot Instance for termination and provides a Spot Instance termination notice, which gives the instance a two-minute warning before it terminates.

You can\'t specify an Availability Zone group or a launch group if you specify a duration.

New accounts or accounts with no previous billing history with AWS are not eligible for Spot Instances with a defined duration (also known as Spot blocks).

ClientToken

Unique, case-sensitive identifier that you provide to ensure the idempotency of the request. For more information, see How to Ensure Idempotency in the *Amazon EC2 User Guide for Linux Instances*.

DryRun

Checks whether you have the required permissions for the action, without actually making the request, and provides an error response. If you have the required permissions, the error response is `DryRunOperation`. Otherwise, it is `UnauthorizedOperation`.

InstanceCount

The maximum number of Spot Instances to launch.

Default: 1

LaunchGroup

The instance launch group. Launch groups are Spot Instances that launch together and terminate together.

Default: Instances are launched and terminated individually

LaunchSpecification

The launch specification.

SpotPrice

The maximum price per hour that you are willing to pay for a Spot Instance. The default is the On-Demand price.

Type

The Spot Instance request type.

Default: `one-time`

ValidFrom

The start date of the request. If this is a one-time request, the request becomes active at this date and time and remains active until all instances launch, the request expires, or the request is canceled. If the request is persistent, the request becomes active at this date and time and remains active until it expires or is canceled.

The specified start date and time cannot be equal to the current date and time. You must specify a start date and time that occurs after the current date and time.

ValidUntil

The end date of the request, in UTC format (*YYYY*-*MM*-*DD*T*HH*:*MM*:*SS*Z).

- For a persistent request, the request remains active until the ValidUntil date and time is reached. Otherwise, the request remains active until you cancel it.

- For a one-time request, the request remains active until all instances launch, the request is canceled, or the ValidUntil date and time is reached. By default, the request is valid for 7 days from the date the request was created.

TagSpecification

The key-value pair for tagging the Spot Instance request on creation. The value for ResourceType must be spot-instances-request, otherwise the Spot Instance request fails. To tag the Spot Instance request after it has been created, see CreateTags.

InstanceInterruptionBehavior

The behavior when a Spot Instance is interrupted. The default is terminate.

---

ec2_reset_address_attribute

Reset Address Attribute

Description

Resets the attribute of the specified IP address. For requirements, see Using reverse DNS for email applications.

Usage

```
ec2_reset_address_attribute(
  AllocationId,
  Attribute,
  DryRun = NULL,
  simplify = TRUE,
  others = list(),
  print_on_error = aws_get_print_on_error(),
  retry_time = aws_get_retry_time(),
  network_timeout = aws_get_network_timeout(),
  region = aws_get_region()
)
```

Arguments

AllocationId	Character. [EC2-VPC] The allocation ID.
Attribute	Character. The attribute of the IP address.
DryRun	Logical. Checks whether you have the required permissions for the action, without actually making the request,...[optional]
simplify	Logical. Whether to simplify the result and handle nextToken in the response[optional]
others	Named list. The parameters that are not included in the function parameters and need to be added into the request[optional]
print_on_error	Logical. Whether to show an error message when a network error occurs.
retry_time	Integer. Number of retries for a REST request when encounter the network issue. If the request has been sent retry_time times but still not be able to get the response, an error will be thrown.
network_timeout	
	Numeric. Number of seconds to wait for a REST response until giving up. Can not be less than 1 ms.
region	Character. The region of the AWS service.

Value

A list object or a character vector

AllocationId

[EC2-VPC] The allocation ID.

Attribute

The attribute of the IP address.

DryRun

Checks whether you have the required permissions for the action, without actually making the request, and provides an error response. If you have the required permissions, the error response is DryRunOperation. Otherwise, it is UnauthorizedOperation.

---

ec2_reset_ebs_default_kms_key_id
Reset Ebs Default Kms Key Id

Description

Reset Ebs Default Kms Key Id

Usage

```
ec2_reset_ebs_default_kms_key_id(
  DryRun = NULL,
  simplify = TRUE,
  others = list(),
  print_on_error = aws_get_print_on_error(),
  retry_time = aws_get_retry_time(),
  network_timeout = aws_get_network_timeout(),
  region = aws_get_region()
)
```

Arguments

DryRun	Logical. Checks whether you have the required permissions for the action, without actually making the request,...[optional]
simplify	Logical. Whether to simplify the result and handle `nextToken` in the response[optional]
others	Named list. The parameters that are not included in the function parameters and need to be added into the request[optional]
print_on_error	Logical. Whether to show an error message when a network error occurs.
retry_time	Integer. Number of retries for a REST request when encounter the network issue. If the request has been sent `retry_time` times but still not be able to get the response, an error will be thrown.
network_timeout	
	Numeric. Number of seconds to wait for a REST response until giving up. Can not be less than 1 ms.
region	Character. The region of the AWS service.

Value

A list object or a character vector

DryRun

Checks whether you have the required permissions for the action, without actually making the request, and provides an error response. If you have the required permissions, the error response is `DryRunOperation`. Otherwise, it is `UnauthorizedOperation`.

---

ec2_reset_fpga_image_attribute

Reset Fpga Image Attribute

Description

Resets the specified attribute of the specified Amazon FPGA Image (AFI) to its default value. You can only reset the load permission attribute.

Usage

```
ec2_reset_fpga_image_attribute(
  FpgaImageId,
  DryRun = NULL,
  Attribute = NULL,
  simplify = TRUE,
  others = list(),
  print_on_error = aws_get_print_on_error(),
  retry_time = aws_get_retry_time(),
  network_timeout = aws_get_network_timeout(),
  region = aws_get_region()
)
```

Arguments

FpgaImageId	Character. The ID of the AFI.
DryRun	Logical. Checks whether you have the required permissions for the action, without actually making the request,...[optional]
Attribute	Character. The attribute.[optional]
simplify	Logical. Whether to simplify the result and handle nextToken in the response[optional]
others	Named list. The parameters that are not included in the function parameters and need to be added into the request[optional]
print_on_error	Logical. Whether to show an error message when a network error occurs.
retry_time	Integer. Number of retries for a REST request when encounter the network issue. If the request has been sent retry_time times but still not be able to get the response, an error will be thrown.
network_timeout	
	Numeric. Number of seconds to wait for a REST response until giving up. Can not be less than 1 ms.
region	Character. The region of the AWS service.

Value

A list object or a character vector

FpgaImageId

The ID of the AFI.

DryRun

Checks whether you have the required permissions for the action, without actually making the request, and provides an error response. If you have the required permissions, the error response is DryRunOperation. Otherwise, it is UnauthorizedOperation.

Attribute

The attribute.

ec2_reset_image_attribute

Reset Image Attribute

Description

Reset Image Attribute

Usage

```
ec2_reset_image_attribute(
  Attribute,
  ImageId,
  DryRun = NULL,
  simplify = TRUE,
  others = list(),
  print_on_error = aws_get_print_on_error(),
  retry_time = aws_get_retry_time(),
  network_timeout = aws_get_network_timeout(),
  region = aws_get_region()
)
```

Arguments

Attribute	Character. The attribute to reset (currently you can only reset the launch permission attribute).
ImageId	Character. The ID of the AMI.
DryRun	Logical. Checks whether you have the required permissions for the action, without actually making the request,...[optional]
simplify	Logical. Whether to simplify the result and handle nextToken in the response[optional]
others	Named list. The parameters that are not included in the function parameters and need to be added into the request[optional]
print_on_error	Logical. Whether to show an error message when a network error occurs.
retry_time	Integer. Number of retries for a REST request when encounter the network issue. If the request has been sent retry_time times but still not be able to get the response, an error will be thrown.
network_timeout	
	Numeric. Number of seconds to wait for a REST response until giving up. Can not be less than 1 ms.
region	Character. The region of the AWS service.

Value

A list object or a character vector

Attribute

The attribute to reset (currently you can only reset the launch permission attribute).

ImageId

The ID of the AMI.

DryRun

Checks whether you have the required permissions for the action, without actually making the request, and provides an error response. If you have the required permissions, the error response is `DryRunOperation`. Otherwise, it is `UnauthorizedOperation`.

---

ec2_reset_instance_attribute
Reset Instance Attribute

Description

Reset Instance Attribute

Usage

```
ec2_reset_instance_attribute(
  Attribute,
  InstanceId,
  DryRun = NULL,
  simplify = TRUE,
  others = list(),
  print_on_error = aws_get_print_on_error(),
  retry_time = aws_get_retry_time(),
  network_timeout = aws_get_network_timeout(),
  region = aws_get_region()
)
```

Arguments

Attribute	Character. The attribute to reset.
InstanceId	Character. The ID of the instance.
DryRun	Logical. Checks whether you have the required permissions for the action, without actually making the request,...[optional]
simplify	Logical. Whether to simplify the result and handle `nextToken` in the response[optional]
others	Named list. The parameters that are not included in the function parameters and need to be added into the request[optional]
print_on_error	Logical. Whether to show an error message when a network error occurs.

retry_time	Integer. Number of retries for a REST request when encounter the network issue. If the request has been sent retry_time times but still not be able to get the response, an error will be thrown.
network_timeout	
	Numeric. Number of seconds to wait for a REST response until giving up. Can not be less than 1 ms.
region	Character. The region of the AWS service.

Value

A list object or a character vector

Attribute

The attribute to reset.

You can only reset the following attributes: kernel \| ramdisk \| sourceDestCheck. To change an instance attribute, use ModifyInstanceAttribute.

InstanceId

The ID of the instance.

DryRun

Checks whether you have the required permissions for the action, without actually making the request, and provides an error response. If you have the required permissions, the error response is DryRunOperation. Otherwise, it is UnauthorizedOperation.

---

ec2_reset_network_interface_attribute
Reset Network Interface Attribute

Description

Resets a network interface attribute. You can specify only one attribute at a time.

Usage

```
ec2_reset_network_interface_attribute(
  NetworkInterfaceId,
  DryRun = NULL,
  SourceDestCheck = NULL,
  simplify = TRUE,
  others = list(),
  print_on_error = aws_get_print_on_error(),
  retry_time = aws_get_retry_time(),
  network_timeout = aws_get_network_timeout(),
  region = aws_get_region()
)
```

Arguments

NetworkInterfaceId

> Character. The ID of the network interface.

DryRun   Logical. Checks whether you have the required permissions for the action, with-
                          out actually making the request,...[optional]

SourceDestCheck

> Character. The source/destination checking attribute. Resets the value to true.[optional]

simplify   Logical. Whether to simplify the result and handle nextToken in the response[optional]

others   Named list. The parameters that are not included in the function parameters and
                          need to be added into the request[optional]

print_on_error Logical. Whether to show an error message when a network error occurs.

retry_time   Integer. Number of retries for a REST request when encounter the network
                          issue. If the request has been sent retry_time times but still not be able to get
                          the response, an error will be thrown.

network_timeout

> Numeric. Number of seconds to wait for a REST response until giving up. Can
> not be less than 1 ms.

region   Character. The region of the AWS service.

Value

A list object or a character vector

NetworkInterfaceId

The ID of the network interface.

DryRun

Checks whether you have the required permissions for the action, without actually making the
request, and provides an error response. If you have the required permissions, the error response is
DryRunOperation. Otherwise, it is UnauthorizedOperation.

SourceDestCheck

The source/destination checking attribute. Resets the value to true.

ec2_reset_snapshot_attribute

Reset Snapshot Attribute

Description

Reset Snapshot Attribute

Usage

```
ec2_reset_snapshot_attribute(
  Attribute,
  SnapshotId,
  DryRun = NULL,
  simplify = TRUE,
  others = list(),
  print_on_error = aws_get_print_on_error(),
  retry_time = aws_get_retry_time(),
  network_timeout = aws_get_network_timeout(),
  region = aws_get_region()
)
```

Arguments

Attribute	Character. The attribute to reset.
SnapshotId	Character. The ID of the snapshot.
DryRun	Logical. Checks whether you have the required permissions for the action, without actually making the request,...[optional]
simplify	Logical. Whether to simplify the result and handle nextToken in the response[optional]
others	Named list. The parameters that are not included in the function parameters and need to be added into the request[optional]
print_on_error	Logical. Whether to show an error message when a network error occurs.
retry_time	Integer. Number of retries for a REST request when encounter the network issue. If the request has been sent retry_time times but still not be able to get the response, an error will be thrown.
network_timeout	
	Numeric. Number of seconds to wait for a REST response until giving up. Can not be less than 1 ms.
region	Character. The region of the AWS service.

Value

A list object or a character vector

Attribute

The attribute to reset. Currently, only the attribute for permission to create volumes can be reset.

SnapshotId

The ID of the snapshot.

DryRun

Checks whether you have the required permissions for the action, without actually making the request, and provides an error response. If you have the required permissions, the error response is `DryRunOperation`. Otherwise, it is `UnauthorizedOperation`.

---

ec2_restore_address_to_classic

Restore Address To Classic

Description

Restores an Elastic IP address that was previously moved to the EC2-VPC platform back to the EC2-Classic platform. You cannot move an Elastic IP address that was originally allocated for use in EC2-VPC. The Elastic IP address must not be associated with an instance or network interface.

Usage

```
ec2_restore_address_to_classic(
  PublicIp,
  DryRun = NULL,
  simplify = TRUE,
  others = list(),
  print_on_error = aws_get_print_on_error(),
  retry_time = aws_get_retry_time(),
  network_timeout = aws_get_network_timeout(),
  region = aws_get_region()
)
```

Arguments

PublicIp	Character. The Elastic IP address.
DryRun	Logical. Checks whether you have the required permissions for the action, without actually making the request,...[optional]
simplify	Logical. Whether to simplify the result and handle `nextToken` in the response[optional]
others	Named list. The parameters that are not included in the function parameters and need to be added into the request[optional]
print_on_error	Logical. Whether to show an error message when a network error occurs.

retry_time	Integer. Number of retries for a REST request when encounter the network issue. If the request has been sent retry_time times but still not be able to get the response, an error will be thrown.
network_timeout	
	Numeric. Number of seconds to wait for a REST response until giving up. Can not be less than 1 ms.
region	Character. The region of the AWS service.

Value

A list object or a character vector

PublicIp

The Elastic IP address.

DryRun

Checks whether you have the required permissions for the action, without actually making the request, and provides an error response. If you have the required permissions, the error response is DryRunOperation. Otherwise, it is UnauthorizedOperation.

---

ec2_restore_managed_prefix_list_version

Restore Managed Prefix List Version

Description

Restores the entries from a previous version of a managed prefix list to a new version of the prefix list.

Usage

```
ec2_restore_managed_prefix_list_version(
  PrefixListId,
  PreviousVersion,
  CurrentVersion,
  DryRun = NULL,
  simplify = TRUE,
  others = list(),
  print_on_error = aws_get_print_on_error(),
  retry_time = aws_get_retry_time(),
  network_timeout = aws_get_network_timeout(),
  region = aws_get_region()
)
```

Arguments

PrefixListId	Character. The ID of the prefix list.
PreviousVersion	
	Integer. The version to restore.
CurrentVersion	Integer. The current version number for the prefix list.
DryRun	Logical. Checks whether you have the required permissions for the action, without actually making the request,...[optional]
simplify	Logical. Whether to simplify the result and handle nextToken in the response[optional]
others	Named list. The parameters that are not included in the function parameters and need to be added into the request[optional]
print_on_error	Logical. Whether to show an error message when a network error occurs.
retry_time	Integer. Number of retries for a REST request when encounter the network issue. If the request has been sent retry_time times but still not be able to get the response, an error will be thrown.
network_timeout	
	Numeric. Number of seconds to wait for a REST response until giving up. Can not be less than 1 ms.
region	Character. The region of the AWS service.

Value

A list object or a character vector

PrefixListId

The ID of the prefix list.

PreviousVersion

The version to restore.

CurrentVersion

The current version number for the prefix list.

DryRun

Checks whether you have the required permissions for the action, without actually making the request, and provides an error response. If you have the required permissions, the error response is DryRunOperation. Otherwise, it is UnauthorizedOperation.

ec2_revoke_client_vpn_ingress
                    Revoke Client Vpn Ingress

Description

Removes an ingress authorization rule from a Client VPN endpoint.

Usage

```
ec2_revoke_client_vpn_ingress(
  ClientVpnEndpointId,
  TargetNetworkCidr,
  AccessGroupId = NULL,
  RevokeAllGroups = NULL,
  DryRun = NULL,
  simplify = TRUE,
  others = list(),
  print_on_error = aws_get_print_on_error(),
  retry_time = aws_get_retry_time(),
  network_timeout = aws_get_network_timeout(),
  region = aws_get_region()
)
```

Arguments

ClientVpnEndpointId
                    Character. The ID of the Client VPN endpoint with which the authorization rule
                    is associated.
TargetNetworkCidr
                    Character. The IPv4 address range, in CIDR notation, of the network for which
                    access is being removed.
AccessGroupId   Character. The ID of the Active Directory group for which to revoke access.
                    [optional]
RevokeAllGroups
                    Logical. Indicates whether access should be revoked for all clients.[optional]
DryRun   Logical. Checks whether you have the required permissions for the action, with-
                    out actually making the request,...[optional]
simplify   Logical. Whether to simplify the result and handle nextToken in the response[optional]
others   Named list. The parameters that are not included in the function parameters and
                    need to be added into the request[optional]
print_on_error   Logical. Whether to show an error message when a network error occurs.
retry_time   Integer. Number of retries for a REST request when encounter the network
                    issue. If the request has been sent retry_time times but still not be able to get
                    the response, an error will be thrown.

network_timeout

> Numeric. Number of seconds to wait for a REST response until giving up. Can not be less than 1 ms.

region   Character. The region of the AWS service.

Value

A list object or a character vector

ClientVpnEndpointId

The ID of the Client VPN endpoint with which the authorization rule is associated.

TargetNetworkCidr

The IPv4 address range, in CIDR notation, of the network for which access is being removed.

AccessGroupId

The ID of the Active Directory group for which to revoke access.

RevokeAllGroups

Indicates whether access should be revoked for all clients.

DryRun

Checks whether you have the required permissions for the action, without actually making the request, and provides an error response. If you have the required permissions, the error response is DryRunOperation. Otherwise, it is UnauthorizedOperation.

---

ec2_revoke_security_group_egress
Revoke Security Group Egress

Description

Revoke Security Group Egress

Usage

```
ec2_revoke_security_group_egress(
  GroupId,
  DryRun = NULL,
  IpPermissions = NULL,
  CidrIp = NULL,
  FromPort = NULL,
  IpProtocol = NULL,
```

```
    ToPort = NULL,
    SourceSecurityGroupName = NULL,
    SourceSecurityGroupOwnerId = NULL,
    simplify = TRUE,
    others = list(),
    print_on_error = aws_get_print_on_error(),
    retry_time = aws_get_retry_time(),
    network_timeout = aws_get_network_timeout(),
    region = aws_get_region()
)
```

Arguments

GroupId	Character. The ID of the security group.
DryRun	Logical. Checks whether you have the required permissions for the action, without actually making the request,...[optional]
IpPermissions	List. The sets of IP permissions.[optional]
CidrIp	Character. Not supported. Use a set of IP permissions to specify the CIDR.[optional]
FromPort	Integer. Not supported. Use a set of IP permissions to specify the port.[optional]
IpProtocol	Character. Not supported. Use a set of IP permissions to specify the protocol name or number.[optional]
ToPort	Integer. Not supported. Use a set of IP permissions to specify the port.[optional]
SourceSecurityGroupName	
	Character. Not supported. Use a set of IP permissions to specify a destination security group.[optional]
SourceSecurityGroupOwnerId	
	Character. Not supported. Use a set of IP permissions to specify a destination security group.[optional]
simplify	Logical. Whether to simplify the result and handle nextToken in the response[optional]
others	Named list. The parameters that are not included in the function parameters and need to be added into the request[optional]
print_on_error	Logical. Whether to show an error message when a network error occurs.
retry_time	Integer. Number of retries for a REST request when encounter the network issue. If the request has been sent retry_time times but still not be able to get the response, an error will be thrown.
network_timeout	
	Numeric. Number of seconds to wait for a REST response until giving up. Can not be less than 1 ms.
region	Character. The region of the AWS service.

Value

A list object or a character vector

GroupId

The ID of the security group.

DryRun

Checks whether you have the required permissions for the action, without actually making the request, and provides an error response. If you have the required permissions, the error response is `DryRunOperation`. Otherwise, it is `UnauthorizedOperation`.

IpPermissions

The sets of IP permissions. You can\'t specify a destination security group and a CIDR IP address range in the same set of permissions.

CidrIp

Not supported. Use a set of IP permissions to specify the CIDR.

FromPort

Not supported. Use a set of IP permissions to specify the port.

IpProtocol

Not supported. Use a set of IP permissions to specify the protocol name or number.

ToPort

Not supported. Use a set of IP permissions to specify the port.

SourceSecurityGroupName

Not supported. Use a set of IP permissions to specify a destination security group.

SourceSecurityGroupOwnerId

Not supported. Use a set of IP permissions to specify a destination security group.

ec2_revoke_security_group_ingress

Revoke Security Group Ingress

Description

Revoke Security Group Ingress

Usage

```
ec2_revoke_security_group_ingress(
  CidrIp = NULL,
  FromPort = NULL,
  GroupId = NULL,
  GroupName = NULL,
  IpPermissions = NULL,
  IpProtocol = NULL,
  SourceSecurityGroupName = NULL,
  SourceSecurityGroupOwnerId = NULL,
  ToPort = NULL,
  DryRun = NULL,
  simplify = TRUE,
  others = list(),
  print_on_error = aws_get_print_on_error(),
  retry_time = aws_get_retry_time(),
  network_timeout = aws_get_network_timeout(),
  region = aws_get_region()
)
```

Arguments

CidrIp	Character. The CIDR IP address range.[optional]
FromPort	Integer. The start of port range for the TCP and UDP protocols, or an ICMP type number.[optional]
GroupId	Character. The ID of the security group.[optional]
GroupName	Character. [EC2-Classic, default VPC] The name of the security group.[optional]
IpPermissions	List. The sets of IP permissions.[optional]
IpProtocol	Character. The IP protocol name (tcp, udp, icmp) or number (see Protocol Numbers)....[optional]
SourceSecurityGroupName	
	Character. [EC2-Classic, default VPC] The name of the source security group.[optional]
SourceSecurityGroupOwnerId	
	Character. [EC2-Classic] The AWS account ID of the source security group, if the source security group is...[optional]

ToPort	Integer. The end of port range for the TCP and UDP protocols, or an ICMP code number.[optional]
DryRun	Logical. Checks whether you have the required permissions for the action, without actually making the request,...[optional]
simplify	Logical. Whether to simplify the result and handle nextToken in the response[optional]
others	Named list. The parameters that are not included in the function parameters and need to be added into the request[optional]
print_on_error	Logical. Whether to show an error message when a network error occurs.
retry_time	Integer. Number of retries for a REST request when encounter the network issue. If the request has been sent retry_time times but still not be able to get the response, an error will be thrown.
network_timeout	
	Numeric. Number of seconds to wait for a REST response until giving up. Can not be less than 1 ms.
region	Character. The region of the AWS service.

Value

A list object or a character vector

CidrIp

The CIDR IP address range. You can\'t specify this parameter when specifying a source security group.

FromPort

The start of port range for the TCP and UDP protocols, or an ICMP type number. For the ICMP type number, use -1 to specify all ICMP types.

GroupId

The ID of the security group. You must specify either the security group ID or the security group name in the request. For security groups in a nondefault VPC, you must specify the security group ID.

GroupName

[EC2-Classic, default VPC] The name of the security group. You must specify either the security group ID or the security group name in the request.

IpPermissions

The sets of IP permissions. You can\'t specify a source security group and a CIDR IP address range in the same set of permissions.

IpProtocol

The IP protocol name (tcp, udp, icmp) or number (see Protocol Numbers). Use -1 to specify all.

SourceSecurityGroupName

[EC2-Classic, default VPC] The name of the source security group. You can\'t specify this parameter in combination with the following parameters: the CIDR IP address range, the start of the port range, the IP protocol, and the end of the port range. For EC2-VPC, the source security group must be in the same VPC. To revoke a specific rule for an IP protocol and port range, use a set of IP permissions instead.

SourceSecurityGroupOwnerId

[EC2-Classic] The AWS account ID of the source security group, if the source security group is in a different account. You can\'t specify this parameter in combination with the following parameters: the CIDR IP address range, the IP protocol, the start of the port range, and the end of the port range. To revoke a specific rule for an IP protocol and port range, use a set of IP permissions instead.

ToPort

The end of port range for the TCP and UDP protocols, or an ICMP code number. For the ICMP code number, use -1 to specify all ICMP codes for the ICMP type.

DryRun

Checks whether you have the required permissions for the action, without actually making the request, and provides an error response. If you have the required permissions, the error response is `DryRunOperation`. Otherwise, it is `UnauthorizedOperation`.

`ec2_run_instances`   *Run Instances*

Description

Run Instances

Usage

```
ec2_run_instances(
  MaxCount,
  MinCount,
  BlockDeviceMapping = NULL,
  ImageId = NULL,
  InstanceType = NULL,
  Ipv6AddressCount = NULL,
  Ipv6Address = NULL,
  KernelId = NULL,
  KeyName = NULL,
  Monitoring = NULL,
  Placement = NULL,
  RamdiskId = NULL,
```

```
    SecurityGroupId = NULL,
    SecurityGroup = NULL,
    SubnetId = NULL,
    UserData = NULL,
    AdditionalInfo = NULL,
    ClientToken = NULL,
    DisableApiTermination = NULL,
    DryRun = NULL,
    EbsOptimized = NULL,
    IamInstanceProfile = NULL,
    InstanceInitiatedShutdownBehavior = NULL,
    NetworkInterface = NULL,
    PrivateIpAddress = NULL,
    ElasticGpuSpecification = NULL,
    ElasticInferenceAccelerator = NULL,
    TagSpecification = NULL,
    LaunchTemplate = NULL,
    InstanceMarketOptions = NULL,
    CreditSpecification = NULL,
    CpuOptions = NULL,
    CapacityReservationSpecification = NULL,
    HibernationOptions = NULL,
    LicenseSpecification = NULL,
    MetadataOptions = NULL,
    EnclaveOptions = NULL,
    simplify = TRUE,
    others = list(),
    print_on_error = aws_get_print_on_error(),
    retry_time = aws_get_retry_time(),
    network_timeout = aws_get_network_timeout(),
    region = aws_get_region()
)
```

Arguments

MaxCount	Integer. The maximum number of instances to launch.
MinCount	Integer. The minimum number of instances to launch.
BlockDeviceMapping	
	List. The block device mapping entries.[optional]
ImageId	Character. The ID of the AMI.[optional]
InstanceType	Character. The instance type.[optional]
Ipv6AddressCount	
	Integer. [EC2-VPC] The number of IPv6 addresses to associate with the primary network interface.[optional]
Ipv6Address	List. [EC2-VPC] The IPv6 addresses from the range of the subnet to associate with the primary network...[optional]
KernelId	Character. The ID of the kernel.[optional]

KeyName	Character. The name of the key pair.[optional]
Monitoring	Object. Specifies whether detailed monitoring is enabled for the instance.[optional]
Placement	Object. The placement for the instance.[optional]
RamdiskId	Character. The ID of the RAM disk to select.[optional]

SecurityGroupId

List. The IDs of the security groups.[optional]

SecurityGroup	List. [EC2-Classic, default VPC] The names of the security groups.[optional]
SubnetId	Character. [EC2-VPC] The ID of the subnet to launch the instance into.[optional]
UserData	Character. The user data to make available to the instance.[optional]
AdditionalInfo	Character. Reserved.[optional]
ClientToken	Character. Unique, case-sensitive identifier you provide to ensure the idempotency of the request.[optional]

DisableApiTermination

Logical. If you set this parameter to true, you can\'t terminate the instance using the Amazon EC2 console,...[optional]

DryRun	Logical. Checks whether you have the required permissions for the action, without actually making the request,...[optional]
EbsOptimized	Logical. Indicates whether the instance is optimized for Amazon EBS I/O.[optional]

IamInstanceProfile

Object. The name or Amazon Resource Name (ARN) of an IAM instance profile.[optional]

InstanceInitiatedShutdownBehavior

Character. Indicates whether an instance stops or terminates when you initiate shutdown from the instance...[optional]

NetworkInterface

List. The network interfaces to associate with the instance.[optional]

PrivateIpAddress

Character. [EC2-VPC] The primary IPv4 address.[optional]

ElasticGpuSpecification

List. An elastic GPU to associate with the instance.[optional]

ElasticInferenceAccelerator

List. An elastic inference accelerator to associate with the instance.[optional]

TagSpecification

List. The tags to apply to the resources during launch.[optional]

LaunchTemplate	Object. The launch template to use to launch the instances.[optional]

InstanceMarketOptions

Object. The market (purchasing) option for the instances.[optional]

CreditSpecification

Object. The credit option for CPU usage of the burstable performance instance.[optional]

CpuOptions	Object. The CPU options for the instance.[optional]

CapacityReservationSpecification

Object. Information about the Capacity Reservation targeting option.[optional]

HibernationOptions
> Object. Indicates whether an instance is enabled for hibernation.[optional]

LicenseSpecification
> List. The license configurations.[optional]

MetadataOptions
> Object. The metadata options for the instance.[optional]

EnclaveOptions Object. Indicates whether the instance is enabled for AWS Nitro Enclaves.[optional]

simplify Logical. Whether to simplify the result and handle nextToken in the response[optional]

others Named list. The parameters that are not included in the function parameters and need to be added into the request[optional]

print_on_error Logical. Whether to show an error message when a network error occurs.

retry_time Integer. Number of retries for a REST request when encounter the network issue. If the request has been sent retry_time times but still not be able to get the response, an error will be thrown.

network_timeout
> Numeric. Number of seconds to wait for a REST response until giving up. Can not be less than 1 ms.

region Character. The region of the AWS service.

Value

A list object or a character vector

MaxCount

The maximum number of instances to launch. If you specify more instances than Amazon EC2 can launch in the target Availability Zone, Amazon EC2 launches the largest possible number of instances above MinCount.

Constraints: Between 1 and the maximum number you're allowed for the specified instance type. For more information about the default limits, and how to request an increase, see How many instances can I run in Amazon EC2 in the Amazon EC2 FAQ.

MinCount

The minimum number of instances to launch. If you specify a minimum that is more instances than Amazon EC2 can launch in the target Availability Zone, Amazon EC2 launches no instances.

Constraints: Between 1 and the maximum number you're allowed for the specified instance type. For more information about the default limits, and how to request an increase, see How many instances can I run in Amazon EC2 in the Amazon EC2 General FAQ.

BlockDeviceMapping

The block device mapping entries.

ImageId

The ID of the AMI. An AMI ID is required to launch an instance and must be specified here or in a launch template.

InstanceType

The instance type. For more information, see Instance types in the *Amazon EC2 User Guide*.

Default: `m1.small`

Ipv6AddressCount

[EC2-VPC] The number of IPv6 addresses to associate with the primary network interface. Amazon EC2 chooses the IPv6 addresses from the range of your subnet. You cannot specify this option and the option to assign specific IPv6 addresses in the same request. You can specify this option if you\'ve specified a minimum number of instances to launch.

You cannot specify this option and the network interfaces option in the same request.

Ipv6Address

[EC2-VPC] The IPv6 addresses from the range of the subnet to associate with the primary network interface. You cannot specify this option and the option to assign a number of IPv6 addresses in the same request. You cannot specify this option if you\'ve specified a minimum number of instances to launch.

You cannot specify this option and the network interfaces option in the same request.

KernelId

The ID of the kernel.

We recommend that you use PV-GRUB instead of kernels and RAM disks. For more information, see PV-GRUB in the *Amazon EC2 User Guide*.

KeyName

The name of the key pair. You can create a key pair using CreateKeyPair or ImportKeyPair.

If you do not specify a key pair, you can\'t connect to the instance unless you choose an AMI that is configured to allow users another way to log in.

Monitoring

Specifies whether detailed monitoring is enabled for the instance.

Placement

The placement for the instance.

RamdiskId

The ID of the RAM disk to select. Some kernels require additional drivers at launch. Check the kernel requirements for information about whether you need to specify a RAM disk. To find kernel requirements, go to the AWS Resource Center and search for the kernel ID.

We recommend that you use PV-GRUB instead of kernels and RAM disks. For more information, see PV-GRUB in the *Amazon EC2 User Guide*.

SecurityGroupId

The IDs of the security groups. You can create a security group using CreateSecurityGroup.

If you specify a network interface, you must specify any security groups as part of the network interface.

SecurityGroup

[EC2-Classic, default VPC] The names of the security groups. For a nondefault VPC, you must use security group IDs instead.

If you specify a network interface, you must specify any security groups as part of the network interface.

Default: Amazon EC2 uses the default security group.

SubnetId

[EC2-VPC] The ID of the subnet to launch the instance into.

If you specify a network interface, you must specify any subnets as part of the network interface.

UserData

The user data to make available to the instance. For more information, see Running commands on your Linux instance at launch (Linux) and Adding User Data (Windows). If you are using a command line tool, base64-encoding is performed for you, and you can load the text from a file. Otherwise, you must provide base64-encoded text. User data is limited to 16 KB.

AdditionalInfo

Reserved.

ClientToken

Unique, case-sensitive identifier you provide to ensure the idempotency of the request. If you do not specify a client token, a randomly generated token is used for the request to ensure idempotency.

For more information, see Ensuring Idempotency.

Constraints: Maximum 64 ASCII characters

DisableApiTermination

If you set this parameter to true, you can\'t terminate the instance using the Amazon EC2 console, CLI, or API; otherwise, you can. To change this attribute after launch, use ModifyInstanceAttribute. Alternatively, if you set InstanceInitiatedShutdownBehavior to terminate, you can terminate the instance by running the shutdown command from the instance.

Default: false

DryRun

Checks whether you have the required permissions for the action, without actually making the request, and provides an error response. If you have the required permissions, the error response is `DryRunOperation`. Otherwise, it is `UnauthorizedOperation`.

EbsOptimized

Indicates whether the instance is optimized for Amazon EBS I/O. This optimization provides dedicated throughput to Amazon EBS and an optimized configuration stack to provide optimal Amazon EBS I/O performance. This optimization isn\'t available with all instance types. Additional usage charges apply when using an EBS-optimized instance.

Default: `false`

IamInstanceProfile

The name or Amazon Resource Name (ARN) of an IAM instance profile.

InstanceInitiatedShutdownBehavior

Indicates whether an instance stops or terminates when you initiate shutdown from the instance (using the operating system command for system shutdown).

Default: `stop`

NetworkInterface

The network interfaces to associate with the instance. If you specify a network interface, you must specify any security groups and subnets as part of the network interface.

PrivateIpAddress

[EC2-VPC] The primary IPv4 address. You must specify a value from the IPv4 address range of the subnet.

Only one private IP address can be designated as primary. You can\'t specify this option if you\'ve specified the option to designate a private IP address as the primary IP address in a network interface specification. You cannot specify this option if you\'re launching more than one instance in the request.

You cannot specify this option and the network interfaces option in the same request.

ElasticGpuSpecification

An elastic GPU to associate with the instance. An Elastic GPU is a GPU resource that you can attach to your Windows instance to accelerate the graphics performance of your applications. For more information, see Amazon EC2 Elastic GPUs in the *Amazon EC2 User Guide*.

ElasticInferenceAccelerator

An elastic inference accelerator to associate with the instance. Elastic inference accelerators are a resource you can attach to your Amazon EC2 instances to accelerate your Deep Learning (DL) inference workloads.

You cannot specify accelerators from different generations in the same request.

TagSpecification

The tags to apply to the resources during launch. You can only tag instances and volumes on launch. The specified tags are applied to all instances or volumes that are created during launch. To tag a resource after it has been created, see CreateTags.

LaunchTemplate

The launch template to use to launch the instances. Any parameters that you specify in RunInstances override the same parameters in the launch template. You can specify either the name or ID of a launch template, but not both.

InstanceMarketOptions

The market (purchasing) option for the instances.

For RunInstances, persistent Spot Instance requests are only supported when **InstanceInterruptionBehavior** is set to either hibernate or stop.

CreditSpecification

The credit option for CPU usage of the burstable performance instance. Valid values are standard and unlimited. To change this attribute after launch, use ModifyInstanceCreditSpecification. For more information, see Burstable performance instances in the *Amazon EC2 User Guide*.

Default: standard (T2 instances) or unlimited (T3/T3a instances)

CpuOptions

The CPU options for the instance. For more information, see Optimizing CPU options in the *Amazon EC2 User Guide*.

CapacityReservationSpecification

Information about the Capacity Reservation targeting option. If you do not specify this parameter, the instance\'s Capacity Reservation preference defaults to open, which enables it to run in any open Capacity Reservation that has matching attributes (instance type, platform, Availability Zone).

HibernationOptions

Indicates whether an instance is enabled for hibernation. For more information, see Hibernate your instance in the *Amazon EC2 User Guide*.

You can\'t enable hibernation and AWS Nitro Enclaves on the same instance.

LicenseSpecification

The license configurations.

MetadataOptions

The metadata options for the instance. For more information, see Instance metadata and user data.

EnclaveOptions

Indicates whether the instance is enabled for AWS Nitro Enclaves. For more information, see What is AWS Nitro Enclaves? in the *AWS Nitro Enclaves User Guide*.

You can\'t enable AWS Nitro Enclaves and hibernation on the same instance.

---

ec2_run_scheduled_instances

Run Scheduled Instances

Description

Run Scheduled Instances

Usage

```
ec2_run_scheduled_instances(
  LaunchSpecification,
  ScheduledInstanceId,
  ClientToken = NULL,
  DryRun = NULL,
  InstanceCount = NULL,
  simplify = TRUE,
  others = list(),
  print_on_error = aws_get_print_on_error(),
  retry_time = aws_get_retry_time(),
  network_timeout = aws_get_network_timeout(),
  region = aws_get_region()
)
```

Arguments

LaunchSpecification
          Object. The launch specification.

ScheduledInstanceId
          Character. The Scheduled Instance ID.

ClientToken   Character. Unique, case-sensitive identifier that ensures the idempotency of the request.[optional]

DryRun	Logical. Checks whether you have the required permissions for the action, without actually making the request,...[optional]
InstanceCount	Integer. The number of instances. Default: 1 [optional]
simplify	Logical. Whether to simplify the result and handle nextToken in the response[optional]
others	Named list. The parameters that are not included in the function parameters and need to be added into the request[optional]
print_on_error	Logical. Whether to show an error message when a network error occurs.
retry_time	Integer. Number of retries for a REST request when encounter the network issue. If the request has been sent retry_time times but still not be able to get the response, an error will be thrown.
network_timeout	
	Numeric. Number of seconds to wait for a REST response until giving up. Can not be less than 1 ms.
region	Character. The region of the AWS service.

Value

A list object or a character vector

LaunchSpecification

The launch specification. You must match the instance type, Availability Zone, network, and platform of the schedule that you purchased.

ScheduledInstanceId

The Scheduled Instance ID.

ClientToken

Unique, case-sensitive identifier that ensures the idempotency of the request. For more information, see Ensuring Idempotency.

DryRun

Checks whether you have the required permissions for the action, without actually making the request, and provides an error response. If you have the required permissions, the error response is DryRunOperation. Otherwise, it is UnauthorizedOperation.

InstanceCount

The number of instances.

Default: 1

---

ec2_search_local_gateway_routes

Search Local Gateway Routes

Description

Searches for routes in the specified local gateway route table.

Usage

```
ec2_search_local_gateway_routes(
  LocalGatewayRouteTableId,
  Filter,
  MaxResults = NULL,
  NextToken = NULL,
  DryRun = NULL,
  simplify = TRUE,
  others = list(),
  print_on_error = aws_get_print_on_error(),
  retry_time = aws_get_retry_time(),
  network_timeout = aws_get_network_timeout(),
  region = aws_get_region()
)
```

Arguments

LocalGatewayRouteTableId

                Character. The ID of the local gateway route table.

Filter	Named list where the name is the filter name and the value is the filter's value. The value can be a vector or a list object (see below)[optional]
MaxResults	Integer. The maximum number of results to return with a single call.[optional]
NextToken	Characters. The token for the next page of results[optional]
DryRun	Logical. Checks whether you have the required permissions for the action, without actually making the request,...[optional]
simplify	Logical. Whether to simplify the result and handle nextToken in the response[optional]
others	Named list. The parameters that are not included in the function parameters and need to be added into the request[optional]
print_on_error	Logical. Whether to show an error message when a network error occurs.
retry_time	Integer. Number of retries for a REST request when encounter the network issue. If the request has been sent retry_time times but still not be able to get the response, an error will be thrown.

network_timeout

                Numeric. Number of seconds to wait for a REST response until giving up. Can not be less than 1 ms.

region	Character. The region of the AWS service.

Value

A list object or a character vector

LocalGatewayRouteTableId

The ID of the local gateway route table.

Filter

One or more filters.

MaxResults

The maximum number of results to return with a single call. To retrieve the remaining results, make another call with the returned `nextToken` value.

DryRun

Checks whether you have the required permissions for the action, without actually making the request, and provides an error response. If you have the required permissions, the error response is `DryRunOperation`. Otherwise, it is `UnauthorizedOperation`.

---

ec2_search_transit_gateway_multicast_groups

Search Transit Gateway Multicast Groups

Description

Searches one or more transit gateway multicast groups and returns the group membership information.

Usage

```
ec2_search_transit_gateway_multicast_groups(
  TransitGatewayMulticastDomainId = NULL,
  Filter = NULL,
  MaxResults = NULL,
  NextToken = NULL,
  DryRun = NULL,
  simplify = TRUE,
  others = list(),
  print_on_error = aws_get_print_on_error(),
  retry_time = aws_get_retry_time(),
  network_timeout = aws_get_network_timeout(),
  region = aws_get_region()
)
```

Arguments

TransitGatewayMulticastDomainId

          Character. The ID of the transit gateway multicast domain.[optional]

Filter   Named list where the name is the filter name and the value is the filter's value. The value can be a vector or a list object (see below)[optional]

MaxResults   Integer. The maximum number of results to return with a single call.[optional]

NextToken   Characters. The token for the next page of results[optional]

DryRun   Logical. Checks whether you have the required permissions for the action, without actually making the request,...[optional]

simplify   Logical. Whether to simplify the result and handle `nextToken` in the response[optional]

others   Named list. The parameters that are not included in the function parameters and need to be added into the request[optional]

print_on_error Logical. Whether to show an error message when a network error occurs.

retry_time   Integer. Number of retries for a REST request when encounter the network issue. If the request has been sent `retry_time` times but still not be able to get the response, an error will be thrown.

network_timeout

          Numeric. Number of seconds to wait for a REST response until giving up. Can not be less than 1 ms.

region   Character. The region of the AWS service.

Value

A list object or a character vector

TransitGatewayMulticastDomainId

The ID of the transit gateway multicast domain.

Filter

One or more filters. The possible values are:

- `group-ip-address` - The IP address of the transit gateway multicast group.
- `is-group-member` - The resource is a group member. Valid values are `true` \| `false`.
- `is-group-source` - The resource is a group source. Valid values are `true` \| `false`.
- `member-type` - The member type. Valid values are `igmp` \| `static`.
- `resource-id` - The ID of the resource.
- `resource-type` - The type of resource. Valid values are vpc \| vpn \| `direct-connect-gateway` \| `tgw-peering`.
- `source-type` - The source type. Valid values are `igmp` \| `static`.
- `state` - The state of the subnet association. Valid values are `associated` \| `associated` \| `disassociated` \| `disassociating`.
- `subnet-id` - The ID of the subnet.
- `transit-gateway-attachment-id` - The id of the transit gateway attachment.

MaxResults

The maximum number of results to return with a single call. To retrieve the remaining results, make another call with the returned nextToken value.

DryRun

Checks whether you have the required permissions for the action, without actually making the request, and provides an error response. If you have the required permissions, the error response is DryRunOperation. Otherwise, it is UnauthorizedOperation.

---

ec2_search_transit_gateway_routes
Search Transit Gateway Routes

Description

Searches for routes in the specified transit gateway route table.

Usage

```
ec2_search_transit_gateway_routes(
  TransitGatewayRouteTableId,
  Filter,
  MaxResults = NULL,
  DryRun = NULL,
  simplify = TRUE,
  others = list(),
  print_on_error = aws_get_print_on_error(),
  retry_time = aws_get_retry_time(),
  network_timeout = aws_get_network_timeout(),
  region = aws_get_region()
)
```

Arguments

TransitGatewayRouteTableId
              Character. The ID of the transit gateway route table.

Filter   Named list where the name is the filter name and the value is the filter's value. The value can be a vector or a list object (see below)[optional]

MaxResults   Integer. The maximum number of routes to return.[optional]

DryRun   Logical. Checks whether you have the required permissions for the action, without actually making the request,...[optional]

simplify   Logical. Whether to simplify the result and handle nextToken in the response[optional]

others   Named list. The parameters that are not included in the function parameters and need to be added into the request[optional]

print_on_error	Logical. Whether to show an error message when a network error occurs.
retry_time	Integer. Number of retries for a REST request when encounter the network issue. If the request has been sent retry_time times but still not be able to get the response, an error will be thrown.
network_timeout	
	Numeric. Number of seconds to wait for a REST response until giving up. Can not be less than 1 ms.
region	Character. The region of the AWS service.

Value

A list object or a character vector

TransitGatewayRouteTableId

The ID of the transit gateway route table.

Filter

One or more filters. The possible values are:

- attachment.transit-gateway-attachment-id- The id of the transit gateway attachment.
- attachment.resource-id - The resource id of the transit gateway attachment.
- attachment.resource-type - The attachment resource type. Valid values are vpc \| vpn \| direct-connect-gateway \| peering \| connect.
- prefix-list-id - The ID of the prefix list.
- route-search.exact-match - The exact match of the specified filter.
- route-search.longest-prefix-match - The longest prefix that matches the route.
- route-search.subnet-of-match - The routes with a subnet that match the specified CIDR filter.
- route-search.supernet-of-match - The routes with a CIDR that encompass the CIDR filter. For example, if you have 10.0.1.0/29 and 10.0.1.0/31 routes in your route table and you specify supernet-of-match as 10.0.1.0/30, then the result returns 10.0.1.0/29.
- state - The state of the route (active \| blackhole).
- type - The type of route (propagated \| static).

MaxResults

The maximum number of routes to return.

DryRun

Checks whether you have the required permissions for the action, without actually making the request, and provides an error response. If you have the required permissions, the error response is DryRunOperation. Otherwise, it is UnauthorizedOperation.

---

ec2_send_diagnostic_interrupt

Send Diagnostic Interrupt

Description

Send Diagnostic Interrupt

Usage

```
ec2_send_diagnostic_interrupt(
  InstanceId,
  DryRun = NULL,
  simplify = TRUE,
  others = list(),
  print_on_error = aws_get_print_on_error(),
  retry_time = aws_get_retry_time(),
  network_timeout = aws_get_network_timeout(),
  region = aws_get_region()
)
```

Arguments

InstanceId	Character. The ID of the instance.
DryRun	Logical. Checks whether you have the required permissions for the action, without actually making the request,...[optional]
simplify	Logical. Whether to simplify the result and handle nextToken in the response[optional]
others	Named list. The parameters that are not included in the function parameters and need to be added into the request[optional]
print_on_error	Logical. Whether to show an error message when a network error occurs.
retry_time	Integer. Number of retries for a REST request when encounter the network issue. If the request has been sent retry_time times but still not be able to get the response, an error will be thrown.
network_timeout	
	Numeric. Number of seconds to wait for a REST response until giving up. Can not be less than 1 ms.
region	Character. The region of the AWS service.

Value

A list object or a character vector

InstanceId

The ID of the instance.

DryRun

Checks whether you have the required permissions for the action, without actually making the request, and provides an error response. If you have the required permissions, the error response is `DryRunOperation`. Otherwise, it is `UnauthorizedOperation`.

`ec2_start_instances`   *Start Instances*

Description

Start Instances

Usage

```
ec2_start_instances(
  InstanceId,
  AdditionalInfo = NULL,
  DryRun = NULL,
  simplify = TRUE,
  others = list(),
  print_on_error = aws_get_print_on_error(),
  retry_time = aws_get_retry_time(),
  network_timeout = aws_get_network_timeout(),
  region = aws_get_region()
)
```

Arguments

InstanceId	List. The IDs of the instances.
AdditionalInfo	Character. Reserved.[optional]
DryRun	Logical. Checks whether you have the required permissions for the action, without actually making the request,...[optional]
simplify	Logical. Whether to simplify the result and handle `nextToken` in the response[optional]
others	Named list. The parameters that are not included in the function parameters and need to be added into the request[optional]
print_on_error	Logical. Whether to show an error message when a network error occurs.
retry_time	Integer. Number of retries for a REST request when encounter the network issue. If the request has been sent `retry_time` times but still not be able to get the response, an error will be thrown.
network_timeout	Numeric. Number of seconds to wait for a REST response until giving up. Can not be less than 1 ms.
region	Character. The region of the AWS service.

Value

A list object or a character vector

InstanceId

The IDs of the instances.

AdditionalInfo

Reserved.

DryRun

Checks whether you have the required permissions for the action, without actually making the request, and provides an error response. If you have the required permissions, the error response is `DryRunOperation`. Otherwise, it is `UnauthorizedOperation`.

---

ec2_start_network_insights_analysis
Start Network Insights Analysis

Description

Starts analyzing the specified path. If the path is reachable, the operation returns the shortest feasible path.

Usage

```
ec2_start_network_insights_analysis(
  NetworkInsightsPathId,
  ClientToken,
  FilterInArn = NULL,
  DryRun = NULL,
  TagSpecification = NULL,
  simplify = TRUE,
  others = list(),
  print_on_error = aws_get_print_on_error(),
  retry_time = aws_get_retry_time(),
  network_timeout = aws_get_network_timeout(),
  region = aws_get_region()
)
```

Arguments

NetworkInsightsPathId

> Character. The ID of the path.

ClientToken   Character. Unique, case-sensitive identifier that you provide to ensure the idem-
                 potency of the request.

FilterInArn   List. The Amazon Resource Names (ARN) of the resources that the path must
                 traverse.[optional]

DryRun   Logical. Checks whether you have the required permissions for the action, with-
                 out actually making the request,...[optional]

TagSpecification

> List. The tags to apply.[optional]

simplify   Logical. Whether to simplify the result and handle `nextToken` in the response[optional]

others   Named list. The parameters that are not included in the function parameters and
                 need to be added into the request[optional]

print_on_error   Logical. Whether to show an error message when a network error occurs.

retry_time   Integer. Number of retries for a REST request when encounter the network
                 issue. If the request has been sent `retry_time` times but still not be able to get
                 the response, an error will be thrown.

network_timeout

> Numeric. Number of seconds to wait for a REST response until giving up. Can
> not be less than 1 ms.

region   Character. The region of the AWS service.

Value

A list object or a character vector

NetworkInsightsPathId

The ID of the path.

ClientToken

Unique, case-sensitive identifier that you provide to ensure the idempotency of the request. For
more information, see How to Ensure Idempotency.

FilterInArn

The Amazon Resource Names (ARN) of the resources that the path must traverse.

DryRun

Checks whether you have the required permissions for the action, without actually making the
request, and provides an error response. If you have the required permissions, the error response is
`DryRunOperation`. Otherwise, it is `UnauthorizedOperation`.

TagSpecification

  The tags to apply.

---

  ec2_start_vpc_endpoint_service_private_dns_verification
  Start Vpc Endpoint Service Private Dns Verification

Description

  Start Vpc Endpoint Service Private Dns Verification

Usage

```
ec2_start_vpc_endpoint_service_private_dns_verification(
  ServiceId,
  DryRun = NULL,
  simplify = TRUE,
  others = list(),
  print_on_error = aws_get_print_on_error(),
  retry_time = aws_get_retry_time(),
  network_timeout = aws_get_network_timeout(),
  region = aws_get_region()
)
```

Arguments

ServiceId	Character. The ID of the endpoint service.
DryRun	Logical. Checks whether you have the required permissions for the action, without actually making the request,...[optional]
simplify	Logical. Whether to simplify the result and handle nextToken in the response[optional]
others	Named list. The parameters that are not included in the function parameters and need to be added into the request[optional]
print_on_error	Logical. Whether to show an error message when a network error occurs.
retry_time	Integer. Number of retries for a REST request when encounter the network issue. If the request has been sent retry_time times but still not be able to get the response, an error will be thrown.
network_timeout	Numeric. Number of seconds to wait for a REST response until giving up. Can not be less than 1 ms.
region	Character. The region of the AWS service.

Value

  A list object or a character vector

ServiceId

The ID of the endpoint service.

DryRun

Checks whether you have the required permissions for the action, without actually making the request, and provides an error response. If you have the required permissions, the error response is `DryRunOperation`. Otherwise, it is `UnauthorizedOperation`.

`ec2_stop_instances`   *Stop Instances*

Description

Stop Instances

Usage

```
ec2_stop_instances(
  InstanceId,
  Hibernate = NULL,
  DryRun = NULL,
  Force = NULL,
  simplify = TRUE,
  others = list(),
  print_on_error = aws_get_print_on_error(),
  retry_time = aws_get_retry_time(),
  network_timeout = aws_get_network_timeout(),
  region = aws_get_region()
)
```

Arguments

InstanceId	List. The IDs of the instances.
Hibernate	Logical. Hibernates the instance if the instance was enabled for hibernation at launch.[optional]
DryRun	Logical. Checks whether you have the required permissions for the action, without actually making the request,...[optional]
Force	Logical. Forces the instances to stop.[optional]
simplify	Logical. Whether to simplify the result and handle `nextToken` in the response[optional]
others	Named list. The parameters that are not included in the function parameters and need to be added into the request[optional]
print_on_error	Logical. Whether to show an error message when a network error occurs.

retry_time	Integer. Number of retries for a REST request when encounter the network issue. If the request has been sent `retry_time` times but still not be able to get the response, an error will be thrown.
network_timeout	
	Numeric. Number of seconds to wait for a REST response until giving up. Can not be less than 1 ms.
region	Character. The region of the AWS service.

Value

A list object or a character vector

InstanceId

The IDs of the instances.

Hibernate

Hibernates the instance if the instance was enabled for hibernation at launch. If the instance cannot hibernate successfully, a normal shutdown occurs. For more information, see Hibernate your instance in the *Amazon EC2 User Guide*.

Default: `false`

DryRun

Checks whether you have the required permissions for the action, without actually making the request, and provides an error response. If you have the required permissions, the error response is `DryRunOperation`. Otherwise, it is `UnauthorizedOperation`.

Force

Forces the instances to stop. The instances do not have an opportunity to flush file system caches or file system metadata. If you use this option, you must perform file system check and repair procedures. This option is not recommended for Windows instances.

Default: `false`

---

ec2_terminate_client_vpn_connections

Terminate Client Vpn Connections

Description

Terminates active Client VPN endpoint connections. This action can be used to terminate a specific client connection, or up to five connections established by a specific user.

Usage

```
ec2_terminate_client_vpn_connections(
  ClientVpnEndpointId,
  ConnectionId = NULL,
  Username = NULL,
  DryRun = NULL,
  simplify = TRUE,
  others = list(),
  print_on_error = aws_get_print_on_error(),
  retry_time = aws_get_retry_time(),
  network_timeout = aws_get_network_timeout(),
  region = aws_get_region()
)
```

Arguments

ClientVpnEndpointId

> Character. The ID of the Client VPN endpoint to which the client is connected.

ConnectionId   Character. The ID of the client connection to be terminated.[optional]

Username   Character. The name of the user who initiated the connection.[optional]

DryRun   Logical. Checks whether you have the required permissions for the action, without actually making the request,...[optional]

simplify   Logical. Whether to simplify the result and handle nextToken in the response[optional]

others   Named list. The parameters that are not included in the function parameters and need to be added into the request[optional]

print_on_error   Logical. Whether to show an error message when a network error occurs.

retry_time   Integer. Number of retries for a REST request when encounter the network issue. If the request has been sent retry_time times but still not be able to get the response, an error will be thrown.

network_timeout

> Numeric. Number of seconds to wait for a REST response until giving up. Can not be less than 1 ms.

region   Character. The region of the AWS service.

Value

A list object or a character vector

ClientVpnEndpointId

The ID of the Client VPN endpoint to which the client is connected.

ConnectionId

The ID of the client connection to be terminated.

Username

The name of the user who initiated the connection. Use this option to terminate all active connections for the specified user. This option can only be used if the user has established up to five connections.

DryRun

Checks whether you have the required permissions for the action, without actually making the request, and provides an error response. If you have the required permissions, the error response is `DryRunOperation`. Otherwise, it is `UnauthorizedOperation`.

---

ec2_terminate_instances

Terminate Instances

Description

Terminate Instances

Usage

```
ec2_terminate_instances(
  InstanceId,
  DryRun = NULL,
  simplify = TRUE,
  others = list(),
  print_on_error = aws_get_print_on_error(),
  retry_time = aws_get_retry_time(),
  network_timeout = aws_get_network_timeout(),
  region = aws_get_region()
)
```

Arguments

InstanceId	List. The IDs of the instances.
DryRun	Logical. Checks whether you have the required permissions for the action, without actually making the request,...[optional]
simplify	Logical. Whether to simplify the result and handle nextToken in the response[optional]
others	Named list. The parameters that are not included in the function parameters and need to be added into the request[optional]
print_on_error	Logical. Whether to show an error message when a network error occurs.
retry_time	Integer. Number of retries for a REST request when encounter the network issue. If the request has been sent retry_time times but still not be able to get the response, an error will be thrown.

network_timeout
> Numeric. Number of seconds to wait for a REST response until giving up. Can not be less than 1 ms.

region
> Character. The region of the AWS service.

Value

A list object or a character vector

InstanceId

The IDs of the instances.

Constraints: Up to 1000 instance IDs. We recommend breaking up this request into smaller batches.

DryRun

Checks whether you have the required permissions for the action, without actually making the request, and provides an error response. If you have the required permissions, the error response is DryRunOperation. Otherwise, it is UnauthorizedOperation.

---

ec2_unassign_ipv6_addresses

Unassign Ipv6 Addresses

Description

Unassigns one or more IPv6 addresses from a network interface.

Usage

```
ec2_unassign_ipv6_addresses(
  Ipv6Addresses,
  NetworkInterfaceId,
  simplify = TRUE,
  others = list(),
  print_on_error = aws_get_print_on_error(),
  retry_time = aws_get_retry_time(),
  network_timeout = aws_get_network_timeout(),
  region = aws_get_region()
)
```

Arguments

Ipv6Addresses   List. The IPv6 addresses to unassign from the network interface.

NetworkInterfaceId
> Character. The ID of the network interface.

simplify   Logical. Whether to simplify the result and handle nextToken in the response[optional]

others   Named list. The parameters that are not included in the function parameters and
                    need to be added into the request[optional]

print_on_error Logical. Whether to show an error message when a network error occurs.

retry_time   Integer. Number of retries for a REST request when encounter the network
                    issue. If the request has been sent `retry_time` times but still not be able to get
                    the response, an error will be thrown.

network_timeout

                    Numeric. Number of seconds to wait for a REST response until giving up. Can
                    not be less than 1 ms.

region   Character. The region of the AWS service.

Value

A list object or a character vector

Ipv6Addresses

The IPv6 addresses to unassign from the network interface.

NetworkInterfaceId

The ID of the network interface.

---

ec2_unassign_private_ip_addresses
                        Unassign Private Ip Addresses

Description

Unassigns one or more secondary private IP addresses from a network interface.

Usage

```
ec2_unassign_private_ip_addresses(
  NetworkInterfaceId,
  PrivateIpAddress,
  simplify = TRUE,
  others = list(),
  print_on_error = aws_get_print_on_error(),
  retry_time = aws_get_retry_time(),
  network_timeout = aws_get_network_timeout(),
  region = aws_get_region()
)
```

Arguments

NetworkInterfaceId
> Character. The ID of the network interface.

PrivateIpAddress
> List. The secondary private IP addresses to unassign from the network interface.

simplify   Logical. Whether to simplify the result and handle `nextToken` in the response[optional]

others   Named list. The parameters that are not included in the function parameters and need to be added into the request[optional]

print_on_error   Logical. Whether to show an error message when a network error occurs.

retry_time   Integer. Number of retries for a REST request when encounter the network issue. If the request has been sent `retry_time` times but still not be able to get the response, an error will be thrown.

network_timeout
> Numeric. Number of seconds to wait for a REST response until giving up. Can not be less than 1 ms.

region   Character. The region of the AWS service.

Value

A list object or a character vector

NetworkInterfaceId

The ID of the network interface.

PrivateIpAddress

The secondary private IP addresses to unassign from the network interface. You can specify this option multiple times to unassign more than one IP address.

---

ec2_unmonitor_instances
> *Unmonitor Instances*

Description

Disables detailed monitoring for a running instance. For more information, see Monitoring your instances and volumes in the *Amazon EC2 User Guide*.

Usage

```
ec2_unmonitor_instances(
  InstanceId,
  DryRun = NULL,
  simplify = TRUE,
  others = list(),
  print_on_error = aws_get_print_on_error(),
  retry_time = aws_get_retry_time(),
  network_timeout = aws_get_network_timeout(),
  region = aws_get_region()
)
```

Arguments

InstanceId	List. The IDs of the instances.
DryRun	Logical. Checks whether you have the required permissions for the action, without actually making the request,...[optional]
simplify	Logical. Whether to simplify the result and handle nextToken in the response[optional]
others	Named list. The parameters that are not included in the function parameters and need to be added into the request[optional]
print_on_error	Logical. Whether to show an error message when a network error occurs.
retry_time	Integer. Number of retries for a REST request when encounter the network issue. If the request has been sent retry_time times but still not be able to get the response, an error will be thrown.
network_timeout	
	Numeric. Number of seconds to wait for a REST response until giving up. Can not be less than 1 ms.
region	Character. The region of the AWS service.

Value

A list object or a character vector

InstanceId

The IDs of the instances.

DryRun

Checks whether you have the required permissions for the action, without actually making the request, and provides an error response. If you have the required permissions, the error response is DryRunOperation. Otherwise, it is UnauthorizedOperation.

---

ec2_update_security_group_rule_descriptions_egress
Update Security Group Rule Descriptions Egress

Description

Update Security Group Rule Descriptions Egress

Usage

```
ec2_update_security_group_rule_descriptions_egress(
  IpPermissions,
  DryRun = NULL,
  GroupId = NULL,
  GroupName = NULL,
  simplify = TRUE,
  others = list(),
  print_on_error = aws_get_print_on_error(),
  retry_time = aws_get_retry_time(),
  network_timeout = aws_get_network_timeout(),
  region = aws_get_region()
)
```

Arguments

IpPermissions	List. The IP permissions for the security group rule.
DryRun	Logical. Checks whether you have the required permissions for the action, without actually making the request,...[optional]
GroupId	Character. The ID of the security group.[optional]
GroupName	Character. [Default VPC] The name of the security group.[optional]
simplify	Logical. Whether to simplify the result and handle nextToken in the response[optional]
others	Named list. The parameters that are not included in the function parameters and need to be added into the request[optional]
print_on_error	Logical. Whether to show an error message when a network error occurs.
retry_time	Integer. Number of retries for a REST request when encounter the network issue. If the request has been sent retry_time times but still not be able to get the response, an error will be thrown.
network_timeout	
	Numeric. Number of seconds to wait for a REST response until giving up. Can not be less than 1 ms.
region	Character. The region of the AWS service.

Value

A list object or a character vector

IpPermissions

The IP permissions for the security group rule.

DryRun

Checks whether you have the required permissions for the action, without actually making the request, and provides an error response. If you have the required permissions, the error response is `DryRunOperation`. Otherwise, it is `UnauthorizedOperation`.

GroupId

The ID of the security group. You must specify either the security group ID or the security group name in the request. For security groups in a nondefault VPC, you must specify the security group ID.

GroupName

[Default VPC] The name of the security group. You must specify either the security group ID or the security group name in the request.

---

ec2_update_security_group_rule_descriptions_ingress
Update Security Group Rule Descriptions Ingress

Description

Update Security Group Rule Descriptions Ingress

Usage

```
ec2_update_security_group_rule_descriptions_ingress(
  IpPermissions,
  DryRun = NULL,
  GroupId = NULL,
  GroupName = NULL,
  simplify = TRUE,
  others = list(),
  print_on_error = aws_get_print_on_error(),
  retry_time = aws_get_retry_time(),
  network_timeout = aws_get_network_timeout(),
  region = aws_get_region()
)
```

Arguments

IpPermissions	List. The IP permissions for the security group rule.
DryRun	Logical. Checks whether you have the required permissions for the action, without actually making the request,...[optional]
GroupId	Character. The ID of the security group.[optional]
GroupName	Character. [EC2-Classic, default VPC] The name of the security group.[optional]
simplify	Logical. Whether to simplify the result and handle nextToken in the response[optional]
others	Named list. The parameters that are not included in the function parameters and need to be added into the request[optional]
print_on_error	Logical. Whether to show an error message when a network error occurs.
retry_time	Integer. Number of retries for a REST request when encounter the network issue. If the request has been sent retry_time times but still not be able to get the response, an error will be thrown.
network_timeout	
	Numeric. Number of seconds to wait for a REST response until giving up. Can not be less than 1 ms.
region	Character. The region of the AWS service.

Value

A list object or a character vector

IpPermissions

The IP permissions for the security group rule.

DryRun

Checks whether you have the required permissions for the action, without actually making the request, and provides an error response. If you have the required permissions, the error response is DryRunOperation. Otherwise, it is UnauthorizedOperation.

GroupId

The ID of the security group. You must specify either the security group ID or the security group name in the request. For security groups in a nondefault VPC, you must specify the security group ID.

GroupName

[EC2-Classic, default VPC] The name of the security group. You must specify either the security group ID or the security group name in the request.

---

ec2_withdraw_byoip_cidr

Withdraw Byoip Cidr

Description

Withdraw Byoip Cidr

Usage

```
ec2_withdraw_byoip_cidr(
  Cidr,
  DryRun = NULL,
  simplify = TRUE,
  others = list(),
  print_on_error = aws_get_print_on_error(),
  retry_time = aws_get_retry_time(),
  network_timeout = aws_get_network_timeout(),
  region = aws_get_region()
)
```

Arguments

Cidr	Character. The address range, in CIDR notation.
DryRun	Logical. Checks whether you have the required permissions for the action, without actually making the request,...[optional]
simplify	Logical. Whether to simplify the result and handle nextToken in the response[optional]
others	Named list. The parameters that are not included in the function parameters and need to be added into the request[optional]
print_on_error	Logical. Whether to show an error message when a network error occurs.
retry_time	Integer. Number of retries for a REST request when encounter the network issue. If the request has been sent retry_time times but still not be able to get the response, an error will be thrown.
network_timeout	
	Numeric. Number of seconds to wait for a REST response until giving up. Can not be less than 1 ms.
region	Character. The region of the AWS service.

Value

A list object or a character vector

Cidr

The address range, in CIDR notation.

DryRun

Checks whether you have the required permissions for the action, without actually making the request, and provides an error response. If you have the required permissions, the error response is `DryRunOperation`. Otherwise, it is `UnauthorizedOperation`.

---

ecs_create_capacity_provider

Create Capacity Provider

Description

Creates a new capacity provider. Capacity providers are associated with an Amazon ECS cluster and are used in capacity provider strategies to facilitate cluster auto scaling.

Usage

```
ecs_create_capacity_provider(
  name = NULL,
  autoScalingGroupProvider = NULL,
  tags = NULL,
  simplify = TRUE,
  others = list(),
  print_on_error = aws_get_print_on_error(),
  retry_time = aws_get_retry_time(),
  network_timeout = aws_get_network_timeout(),
  region = aws_get_region()
)
```

Arguments

name	Character. The name of the capacity provider.
autoScalingGroupProvider	
	Object. The details of the Auto Scaling group for the capacity provider.
tags	List. The metadata that you apply to the capacity provider to help you categorize and organize them.
simplify	Logical. Whether to simplify the result and handle `nextToken` in the response[optional]
others	Named list. The parameters that are not included in the function parameters and need to be added into the request[optional]
print_on_error	Logical. Whether to show an error message when a network error occurs.
retry_time	Integer. Number of retries for a REST request when encounter the network issue. If the request has been sent `retry_time` times but still not be able to get the response, an error will be thrown.
network_timeout	
	Numeric. Number of seconds to wait for a REST response until giving up. Can not be less than 1 ms.
region	Character. The region of the AWS service.

Value

A list object or a character vector

name

The name of the capacity provider. Up to 255 characters are allowed, including letters (upper and lowercase), numbers, underscores, and hyphens. The name cannot be prefixed with \'aws\', \'ecs\', or \'fargate\'.

autoScalingGroupProvider

The details of the Auto Scaling group for the capacity provider.

tags

The metadata that you apply to the capacity provider to help you categorize and organize them. Each tag consists of a key and an optional value, both of which you define.

The following basic restrictions apply to tags:

- Maximum number of tags per resource - 50

- For each resource, each tag key must be unique, and each tag key can have only one value.

- Maximum key length - 128 Unicode characters in UTF-8

- Maximum value length - 256 Unicode characters in UTF-8

- If your tagging schema is used across multiple services and resources, remember that other services may have restrictions on allowed characters. Generally allowed characters are: letters, numbers, and spaces representable in UTF-8, and the following characters: + - = . _ : / @.

- Tag keys and values are case-sensitive.

- Do not use aws:, AWS:, or any upper or lowercase combination of such as a prefix for either keys or values as it is reserved for AWS use. You cannot edit or delete tag keys or values with this prefix. Tags with this prefix do not count against your tags per resource limit.

`ecs_create_cluster` *Create Cluster*

Description

Create Cluster

Usage

```
ecs_create_cluster(
  clusterName = NULL,
  tags = NULL,
  settings = NULL,
  capacityProviders = NULL,
  defaultCapacityProviderStrategy = NULL,
  simplify = TRUE,
  others = list(),
  print_on_error = aws_get_print_on_error(),
  retry_time = aws_get_retry_time(),
  network_timeout = aws_get_network_timeout(),
  region = aws_get_region()
)
```

Arguments

clusterName	Character. The name of your cluster.
tags	List. The metadata that you apply to the cluster to help you categorize and organize them.
settings	List. The setting to use when creating a cluster.
capacityProviders	
	List. The short name of one or more capacity providers to associate with the cluster.
defaultCapacityProviderStrategy	
	List. The capacity provider strategy to use by default for the cluster.
simplify	Logical. Whether to simplify the result and handle nextToken in the response[optional]
others	Named list. The parameters that are not included in the function parameters and need to be added into the request[optional]
print_on_error	Logical. Whether to show an error message when a network error occurs.
retry_time	Integer. Number of retries for a REST request when encounter the network issue. If the request has been sent retry_time times but still not be able to get the response, an error will be thrown.
network_timeout	
	Numeric. Number of seconds to wait for a REST response until giving up. Can not be less than 1 ms.
region	Character. The region of the AWS service.

Value

A list object or a character vector

clusterName

The name of your cluster. If you do not specify a name for your cluster, you create a cluster named default. Up to 255 letters (uppercase and lowercase), numbers, and hyphens are allowed.

tags

> The metadata that you apply to the cluster to help you categorize and organize them. Each tag consists of a key and an optional value, both of which you define.
>
> The following basic restrictions apply to tags:
>
> - Maximum number of tags per resource - 50
> - For each resource, each tag key must be unique, and each tag key can have only one value.
> - Maximum key length - 128 Unicode characters in UTF-8
> - Maximum value length - 256 Unicode characters in UTF-8
> - If your tagging schema is used across multiple services and resources, remember that other services may have restrictions on allowed characters. Generally allowed characters are: letters, numbers, and spaces representable in UTF-8, and the following characters: + - = . _ : / @.
> - Tag keys and values are case-sensitive.
> - Do not use aws:, AWS:, or any upper or lowercase combination of such as a prefix for either keys or values as it is reserved for AWS use. You cannot edit or delete tag keys or values with this prefix. Tags with this prefix do not count against your tags per resource limit.

settings

> The setting to use when creating a cluster. This parameter is used to enable CloudWatch Container Insights for a cluster. If this value is specified, it will override the `containerInsights` value set with PutAccountSetting or PutAccountSettingDefault.

capacityProviders

> The short name of one or more capacity providers to associate with the cluster.
>
> If specifying a capacity provider that uses an Auto Scaling group, the capacity provider must already be created and not already associated with another cluster. New capacity providers can be created with the CreateCapacityProvider API operation.
>
> To use a AWS Fargate capacity provider, specify either the `FARGATE` or `FARGATE_SPOT` capacity providers. The AWS Fargate capacity providers are available to all accounts and only need to be associated with a cluster to be used.
>
> The PutClusterCapacityProviders API operation is used to update the list of available capacity providers for a cluster after the cluster is created.

defaultCapacityProviderStrategy

> The capacity provider strategy to use by default for the cluster.
>
> When creating a service or running a task on a cluster, if no capacity provider or launch type is specified then the default capacity provider strategy for the cluster is used.
>
> A capacity provider strategy consists of one or more capacity providers along with the `base` and `weight` to assign to them. A capacity provider must be associated with the cluster to be used in a capacity provider strategy. The PutClusterCapacityProviders API is used to associate a capacity provider with a cluster. Only capacity providers with an `ACTIVE` or `UPDATING` status can be used.

If specifying a capacity provider that uses an Auto Scaling group, the capacity provider must already be created. New capacity providers can be created with the CreateCapacityProvider API operation.

To use a AWS Fargate capacity provider, specify either the `FARGATE` or `FARGATE_SPOT` capacity providers. The AWS Fargate capacity providers are available to all accounts and only need to be associated with a cluster to be used.

If a default capacity provider strategy is not defined for a cluster during creation, it can be defined later with the PutClusterCapacityProviders API operation.

---

ecs_create_service   *Create Service*

Description

Create Service

Usage

```
ecs_create_service(
  cluster = NULL,
  serviceName = NULL,
  taskDefinition = NULL,
  loadBalancers = NULL,
  serviceRegistries = NULL,
  desiredCount = NULL,
  clientToken = NULL,
  launchType = NULL,
  capacityProviderStrategy = NULL,
  platformVersion = NULL,
  role = NULL,
  deploymentConfiguration = NULL,
  placementConstraints = NULL,
  placementStrategy = NULL,
  networkConfiguration = NULL,
  healthCheckGracePeriodSeconds = NULL,
  schedulingStrategy = NULL,
  deploymentController = NULL,
  tags = NULL,
  enableECSManagedTags = NULL,
  propagateTags = NULL,
  simplify = TRUE,
  others = list(),
  print_on_error = aws_get_print_on_error(),
  retry_time = aws_get_retry_time(),
  network_timeout = aws_get_network_timeout(),
  region = aws_get_region()
)
```

Arguments

`cluster`	Character. The short name or full Amazon Resource Name (ARN) of the cluster on which to run your service.
`serviceName`	Character. The name of your service.
`taskDefinition`	Character. The `family` and `revision` (`family:revision`) or full ARN of the task definition to run in your...
`loadBalancers`	List. A load balancer object representing the load balancers to use with your service.
`serviceRegistries`	
	List. The details of the service discovery registries to assign to this service.
`desiredCount`	Integer. The number of instantiations of the specified task definition to place and keep running on your...
`clientToken`	Character. Unique, case-sensitive identifier that you provide to ensure the idempotency of the request.
`launchType`	Character. The launch type on which to run your service.
`capacityProviderStrategy`	
	List. The capacity provider strategy to use for the service.
`platformVersion`	
	Character. The platform version that your tasks in the service are running on.
`role`	Character. The name or full Amazon Resource Name (ARN) of the IAM role that allows Amazon ECS to make calls...
`deploymentConfiguration`	
	Object. Optional deployment parameters that control how many tasks run during the deployment and the ordering...
`placementConstraints`	
	List. An array of placement constraint objects to use for tasks in your service.
`placementStrategy`	
	List. The placement strategy objects to use for tasks in your service.
`networkConfiguration`	
	Object. The network configuration for the service.
`healthCheckGracePeriodSeconds`	
	Integer. The period of time, in seconds, that the Amazon ECS service scheduler should ignore unhealthy Elastic...
`schedulingStrategy`	
	Character. The scheduling strategy to use for the service.
`deploymentController`	
	Object. The deployment controller to use for the service.
`tags`	List. The metadata that you apply to the service to help you categorize and organize them.
`enableECSManagedTags`	
	Logical. Specifies whether to enable Amazon ECS managed tags for the tasks within the service.
`propagateTags`	Character. Specifies whether to propagate the tags from the task definition or the service to the tasks in the...

simplify	Logical. Whether to simplify the result and handle `nextToken` in the response[optional]
others	Named list. The parameters that are not included in the function parameters and need to be added into the request[optional]
print_on_error	Logical. Whether to show an error message when a network error occurs.
retry_time	Integer. Number of retries for a REST request when encounter the network issue. If the request has been sent `retry_time` times but still not be able to get the response, an error will be thrown.
network_timeout	
	Numeric. Number of seconds to wait for a REST response until giving up. Can not be less than 1 ms.
region	Character. The region of the AWS service.

Value

A list object or a character vector

cluster

The short name or full Amazon Resource Name (ARN) of the cluster on which to run your service. If you do not specify a cluster, the default cluster is assumed.

serviceName

The name of your service. Up to 255 letters (uppercase and lowercase), numbers, and hyphens are allowed. Service names must be unique within a cluster, but you can have similarly named services in multiple clusters within a Region or across multiple Regions.

taskDefinition

The `family` and `revision` (`family:revision`) or full ARN of the task definition to run in your service. If a `revision` is not specified, the latest `ACTIVE` revision is used.

A task definition must be specified if the service is using either the `ECS` or `CODE_DEPLOY` deployment controllers.

loadBalancers

A load balancer object representing the load balancers to use with your service. For more information, see Service Load Balancing in the *Amazon Elastic Container Service Developer Guide*.

If the service is using the rolling update (`ECS`) deployment controller and using either an Application Load Balancer or Network Load Balancer, you must specify one or more target group ARNs to attach to the service. The service-linked role is required for services that make use of multiple target groups. For more information, see Using Service-Linked Roles for Amazon ECS in the *Amazon Elastic Container Service Developer Guide*.

If the service is using the `CODE_DEPLOY` deployment controller, the service is required to use either an Application Load Balancer or Network Load Balancer. When creating an AWS CodeDeploy deployment group, you specify two target groups (referred to as a `targetGroupPair`). During a deployment, AWS CodeDeploy determines which task set in your service has the status `PRIMARY` and

associates one target group with it, and then associates the other target group with the replacement task set. The load balancer can also have up to two listeners: a required listener for production traffic and an optional listener that allows you perform validation tests with Lambda functions before routing production traffic to it.

After you create a service using the ECS deployment controller, the load balancer name or target group ARN, container name, and container port specified in the service definition are immutable. If you are using the CODE_DEPLOY deployment controller, these values can be changed when updating the service.

For Application Load Balancers and Network Load Balancers, this object must contain the load balancer target group ARN, the container name (as it appears in a container definition), and the container port to access from the load balancer. The load balancer name parameter must be omitted. When a task from this service is placed on a container instance, the container instance and port combination is registered as a target in the target group specified here.

For Classic Load Balancers, this object must contain the load balancer name, the container name (as it appears in a container definition), and the container port to access from the load balancer. The target group ARN parameter must be omitted. When a task from this service is placed on a container instance, the container instance is registered with the load balancer specified here.

Services with tasks that use the awsvpc network mode (for example, those with the Fargate launch type) only support Application Load Balancers and Network Load Balancers. Classic Load Balancers are not supported. Also, when you create any target groups for these services, you must choose ip as the target type, not instance, because tasks that use the awsvpc network mode are associated with an elastic network interface, not an Amazon EC2 instance.

serviceRegistries

The details of the service discovery registries to assign to this service. For more information, see Service Discovery.

Service discovery is supported for Fargate tasks if you are using platform version v1.1.0 or later. For more information, see AWS Fargate Platform Versions.

desiredCount

The number of instantiations of the specified task definition to place and keep running on your cluster.

This is required if schedulingStrategy is REPLICA or is not specified. If schedulingStrategy is DAEMON then this is not required.

clientToken

Unique, case-sensitive identifier that you provide to ensure the idempotency of the request. Up to 32 ASCII characters are allowed.

launchType

The launch type on which to run your service. For more information, see Amazon ECS Launch Types in the *Amazon Elastic Container Service Developer Guide*.

If a launchType is specified, the capacityProviderStrategy parameter must be omitted.

capacityProviderStrategy

The capacity provider strategy to use for the service.

A capacity provider strategy consists of one or more capacity providers along with the base and weight to assign to them. A capacity provider must be associated with the cluster to be used in a capacity provider strategy. The PutClusterCapacityProviders API is used to associate a capacity provider with a cluster. Only capacity providers with an ACTIVE or UPDATING status can be used.

If a capacityProviderStrategy is specified, the launchType parameter must be omitted. If no capacityProviderStrategy or launchType is specified, the defaultCapacityProviderStrategy for the cluster is used.

If specifying a capacity provider that uses an Auto Scaling group, the capacity provider must already be created. New capacity providers can be created with the CreateCapacityProvider API operation.

To use a AWS Fargate capacity provider, specify either the FARGATE or FARGATE_SPOT capacity providers. The AWS Fargate capacity providers are available to all accounts and only need to be associated with a cluster to be used.

The PutClusterCapacityProviders API operation is used to update the list of available capacity providers for a cluster after the cluster is created.

platformVersion

The platform version that your tasks in the service are running on. A platform version is specified only for tasks using the Fargate launch type. If one isn\'t specified, the LATEST platform version is used by default. For more information, see AWS Fargate Platform Versions in the *Amazon Elastic Container Service Developer Guide*.

role

The name or full Amazon Resource Name (ARN) of the IAM role that allows Amazon ECS to make calls to your load balancer on your behalf. This parameter is only permitted if you are using a load balancer with your service and your task definition does not use the awsvpc network mode. If you specify the role parameter, you must also specify a load balancer object with the loadBalancers parameter.

If your account has already created the Amazon ECS service-linked role, that role is used by default for your service unless you specify a role here. The service-linked role is required if your task definition uses the awsvpc network mode or if the service is configured to use service discovery, an external deployment controller, multiple target groups, or Elastic Inference accelerators in which case you should not specify a role here. For more information, see Using Service-Linked Roles for Amazon ECS in the *Amazon Elastic Container Service Developer Guide*.

If your specified role has a path other than /, then you must either specify the full role ARN (this is recommended) or prefix the role name with the path. For example, if a role with the name bar has a path of /foo/ then you would specify /foo/bar as the role name. For more information, see Friendly Names and Paths in the *IAM User Guide*.

deploymentConfiguration

Optional deployment parameters that control how many tasks run during the deployment and the ordering of stopping and starting tasks.

placementConstraints

An array of placement constraint objects to use for tasks in your service. You can specify a maximum of 10 constraints per task (this limit includes constraints in the task definition and those specified at runtime).

placementStrategy

The placement strategy objects to use for tasks in your service. You can specify a maximum of five strategy rules per service.

networkConfiguration

The network configuration for the service. This parameter is required for task definitions that use the awsvpc network mode to receive their own elastic network interface, and it is not supported for other network modes. For more information, see Task Networking in the *Amazon Elastic Container Service Developer Guide*.

healthCheckGracePeriodSeconds

The period of time, in seconds, that the Amazon ECS service scheduler should ignore unhealthy Elastic Load Balancing target health checks after a task has first started. This is only used when your service is configured to use a load balancer. If your service has a load balancer defined and you don\'t specify a health check grace period value, the default value of 0 is used.

If your service\'s tasks take a while to start and respond to Elastic Load Balancing health checks, you can specify a health check grace period of up to 2,147,483,647 seconds. During that time, the Amazon ECS service scheduler ignores health check status. This grace period can prevent the service scheduler from marking tasks as unhealthy and stopping them before they have time to come up.

schedulingStrategy

The scheduling strategy to use for the service. For more information, see Services.

There are two service scheduler strategies available:

- REPLICA-The replica scheduling strategy places and maintains the desired number of tasks across your cluster. By default, the service scheduler spreads tasks across Availability Zones. You can use task placement strategies and constraints to customize task placement decisions. This scheduler strategy is required if the service is using the CODE_DEPLOY or EXTERNAL deployment controller types.

- DAEMON-The daemon scheduling strategy deploys exactly one task on each active container instance that meets all of the task placement constraints that you specify in your cluster. The service scheduler also evaluates the task placement constraints for running tasks and will stop tasks that do not meet the placement constraints. When you\'re using this strategy, you don\'t need to specify a desired number of tasks, a task placement strategy, or use Service Auto Scaling policies.

  Tasks using the Fargate launch type or the CODE_DEPLOY or EXTERNAL deployment controller types don\'t support the DAEMON scheduling strategy.

deploymentController

> The deployment controller to use for the service.

tags

> The metadata that you apply to the service to help you categorize and organize them. Each tag consists of a key and an optional value, both of which you define. When a service is deleted, the tags are deleted as well.
>
> The following basic restrictions apply to tags:
>
> - Maximum number of tags per resource - 50
>
> - For each resource, each tag key must be unique, and each tag key can have only one value.
>
> - Maximum key length - 128 Unicode characters in UTF-8
>
> - Maximum value length - 256 Unicode characters in UTF-8
>
> - If your tagging schema is used across multiple services and resources, remember that other services may have restrictions on allowed characters. Generally allowed characters are: letters, numbers, and spaces representable in UTF-8, and the following characters: + - = . _ : / @.
>
> - Tag keys and values are case-sensitive.
>
> - Do not use aws:, AWS:, or any upper or lowercase combination of such as a prefix for either keys or values as it is reserved for AWS use. You cannot edit or delete tag keys or values with this prefix. Tags with this prefix do not count against your tags per resource limit.

enableECSManagedTags

> Specifies whether to enable Amazon ECS managed tags for the tasks within the service. For more information, see Tagging Your Amazon ECS Resources in the *Amazon Elastic Container Service Developer Guide*.

propagateTags

> Specifies whether to propagate the tags from the task definition or the service to the tasks in the service. If no value is specified, the tags are not propagated. Tags can only be propagated to the tasks within the service during service creation. To add tags to a task after service creation, use the TagResource API action.

---

  ecs_create_task_set   *Create Task Set*

Description

Create a task set in the specified cluster and service. This is used when a service uses the EXTERNAL deployment controller type. For more information, see Amazon ECS Deployment Types in the *Amazon Elastic Container Service Developer Guide*.

Usage

```
ecs_create_task_set(
  service = NULL,
  cluster = NULL,
  externalId = NULL,
  taskDefinition = NULL,
  networkConfiguration = NULL,
  loadBalancers = NULL,
  serviceRegistries = NULL,
  launchType = NULL,
  capacityProviderStrategy = NULL,
  platformVersion = NULL,
  scale = NULL,
  clientToken = NULL,
  tags = NULL,
  simplify = TRUE,
  others = list(),
  print_on_error = aws_get_print_on_error(),
  retry_time = aws_get_retry_time(),
  network_timeout = aws_get_network_timeout(),
  region = aws_get_region()
)
```

Arguments

service	Character. The short name or full Amazon Resource Name (ARN) of the service to create the task set in.
cluster	Character. The short name or full Amazon Resource Name (ARN) of the cluster that hosts the service to create...
externalId	Character. An optional non-unique tag that identifies this task set in external systems.
taskDefinition	Character. The task definition for the tasks in the task set to use.
networkConfiguration	
	No description can be found.
loadBalancers	List. A load balancer object representing the load balancer to use with the task set.
serviceRegistries	
	List. The details of the service discovery registries to assign to this task set.
launchType	Character. The launch type that new tasks in the task set will use.
capacityProviderStrategy	
	List. The capacity provider strategy to use for the task set.
platformVersion	
	Character. The platform version that the tasks in the task set should use.
scale	No description can be found.
clientToken	Character. Unique, case-sensitive identifier that you provide to ensure the idempotency of the request.

tags	List. The metadata that you apply to the task set to help you categorize and organize them.
simplify	Logical. Whether to simplify the result and handle `nextToken` in the response[optional]
others	Named list. The parameters that are not included in the function parameters and need to be added into the request[optional]
print_on_error	Logical. Whether to show an error message when a network error occurs.
retry_time	Integer. Number of retries for a REST request when encounter the network issue. If the request has been sent `retry_time` times but still not be able to get the response, an error will be thrown.
network_timeout	
	Numeric. Number of seconds to wait for a REST response until giving up. Can not be less than 1 ms.
region	Character. The region of the AWS service.

Value

A list object or a character vector

service

The short name or full Amazon Resource Name (ARN) of the service to create the task set in.

cluster

The short name or full Amazon Resource Name (ARN) of the cluster that hosts the service to create the task set in.

externalId

An optional non-unique tag that identifies this task set in external systems. If the task set is associated with a service discovery registry, the tasks in this task set will have the `ECS_TASK_SET_EXTERNAL_ID` AWS Cloud Map attribute set to the provided value.

taskDefinition

The task definition for the tasks in the task set to use.

networkConfiguration

No description can be found.

loadBalancers

A load balancer object representing the load balancer to use with the task set. The supported load balancer types are either an Application Load Balancer or a Network Load Balancer.

serviceRegistries

The details of the service discovery registries to assign to this task set. For more information, see Service Discovery.

launchType

The launch type that new tasks in the task set will use. For more information, see Amazon ECS Launch Types in the *Amazon Elastic Container Service Developer Guide*.

If a launchType is specified, the capacityProviderStrategy parameter must be omitted.

capacityProviderStrategy

The capacity provider strategy to use for the task set.

A capacity provider strategy consists of one or more capacity providers along with the base and weight to assign to them. A capacity provider must be associated with the cluster to be used in a capacity provider strategy. The PutClusterCapacityProviders API is used to associate a capacity provider with a cluster. Only capacity providers with an ACTIVE or UPDATING status can be used.

If a capacityProviderStrategy is specified, the launchType parameter must be omitted. If no capacityProviderStrategy or launchType is specified, the defaultCapacityProviderStrategy for the cluster is used.

If specifying a capacity provider that uses an Auto Scaling group, the capacity provider must already be created. New capacity providers can be created with the CreateCapacityProvider API operation.

To use a AWS Fargate capacity provider, specify either the FARGATE or FARGATE_SPOT capacity providers. The AWS Fargate capacity providers are available to all accounts and only need to be associated with a cluster to be used.

The PutClusterCapacityProviders API operation is used to update the list of available capacity providers for a cluster after the cluster is created.

platformVersion

The platform version that the tasks in the task set should use. A platform version is specified only for tasks using the Fargate launch type. If one isn\'t specified, the LATEST platform version is used by default.

scale

No description can be found.

clientToken

Unique, case-sensitive identifier that you provide to ensure the idempotency of the request. Up to 32 ASCII characters are allowed.

tags

The metadata that you apply to the task set to help you categorize and organize them. Each tag consists of a key and an optional value, both of which you define. When a service is deleted, the tags are deleted as well.

The following basic restrictions apply to tags:

- Maximum number of tags per resource - 50
- For each resource, each tag key must be unique, and each tag key can have only one value.
- Maximum key length - 128 Unicode characters in UTF-8
- Maximum value length - 256 Unicode characters in UTF-8
- If your tagging schema is used across multiple services and resources, remember that other services may have restrictions on allowed characters. Generally allowed characters are: letters, numbers, and spaces representable in UTF-8, and the following characters: + - = . _ : / @.
- Tag keys and values are case-sensitive.
- Do not use aws:, AWS:, or any upper or lowercase combination of such as a prefix for either keys or values as it is reserved for AWS use. You cannot edit or delete tag keys or values with this prefix. Tags with this prefix do not count against your tags per resource limit.

---

ecs_delete_account_setting

Delete Account Setting

Description

Disables an account setting for a specified IAM user, IAM role, or the root user for an account.

Usage

```
ecs_delete_account_setting(
  name = NULL,
  principalArn = NULL,
  simplify = TRUE,
  others = list(),
  print_on_error = aws_get_print_on_error(),
  retry_time = aws_get_retry_time(),
  network_timeout = aws_get_network_timeout(),
  region = aws_get_region()
)
```

Arguments

name   Character. The resource name for which to disable the account setting.

principalArn   Character. The ARN of the principal, which can be an IAM user, IAM role, or the root user.

simplify	Logical. Whether to simplify the result and handle `nextToken` in the response[optional]
others	Named list. The parameters that are not included in the function parameters and need to be added into the request[optional]
print_on_error	Logical. Whether to show an error message when a network error occurs.
retry_time	Integer. Number of retries for a REST request when encounter the network issue. If the request has been sent `retry_time` times but still not be able to get the response, an error will be thrown.
network_timeout	
	Numeric. Number of seconds to wait for a REST response until giving up. Can not be less than 1 ms.
region	Character. The region of the AWS service.

Value

A list object or a character vector

name

The resource name for which to disable the account setting. If `serviceLongArnFormat` is specified, the ARN for your Amazon ECS services is affected. If `taskLongArnFormat` is specified, the ARN and resource ID for your Amazon ECS tasks is affected. If `containerInstanceLongArnFormat` is specified, the ARN and resource ID for your Amazon ECS container instances is affected. If `awsvpcTrunking` is specified, the ENI limit for your Amazon ECS container instances is affected.

principalArn

The ARN of the principal, which can be an IAM user, IAM role, or the root user. If you specify the root user, it disables the account setting for all IAM users, IAM roles, and the root user of the account unless an IAM user or role explicitly overrides these settings. If this field is omitted, the setting is changed only for the authenticated user.

---

ecs_delete_attributes   *Delete Attributes*

Description

Deletes one or more custom attributes from an Amazon ECS resource.

Usage

```
ecs_delete_attributes(
  cluster = NULL,
  attributes = NULL,
  simplify = TRUE,
  others = list(),
  print_on_error = aws_get_print_on_error(),
```

```
    retry_time = aws_get_retry_time(),
    network_timeout = aws_get_network_timeout(),
    region = aws_get_region()
)
```

Arguments

cluster	Character. The short name or full Amazon Resource Name (ARN) of the cluster that contains the resource to delete...
attributes	List. The attributes to delete from your resource.
simplify	Logical. Whether to simplify the result and handle nextToken in the response[optional]
others	Named list. The parameters that are not included in the function parameters and need to be added into the request[optional]
print_on_error	Logical. Whether to show an error message when a network error occurs.
retry_time	Integer. Number of retries for a REST request when encounter the network issue. If the request has been sent retry_time times but still not be able to get the response, an error will be thrown.
network_timeout	
	Numeric. Number of seconds to wait for a REST response until giving up. Can not be less than 1 ms.
region	Character. The region of the AWS service.

Value

A list object or a character vector

cluster

The short name or full Amazon Resource Name (ARN) of the cluster that contains the resource to delete attributes. If you do not specify a cluster, the default cluster is assumed.

attributes

The attributes to delete from your resource. You can specify up to 10 attributes per request. For custom attributes, specify the attribute name and target ID, but do not specify the value. If you specify the target ID using the short form, you must also specify the target type.

---

ecs_delete_capacity_provider
Delete Capacity Provider

Description

Delete Capacity Provider

Usage

```
ecs_delete_capacity_provider(
  capacityProvider = NULL,
  simplify = TRUE,
  others = list(),
  print_on_error = aws_get_print_on_error(),
  retry_time = aws_get_retry_time(),
  network_timeout = aws_get_network_timeout(),
  region = aws_get_region()
)
```

Arguments

capacityProvider

> Character. The short name or full Amazon Resource Name (ARN) of the capacity provider to delete.

simplify   Logical. Whether to simplify the result and handle nextToken in the response[optional]

others   Named list. The parameters that are not included in the function parameters and need to be added into the request[optional]

print_on_error Logical. Whether to show an error message when a network error occurs.

retry_time   Integer. Number of retries for a REST request when encounter the network issue. If the request has been sent retry_time times but still not be able to get the response, an error will be thrown.

network_timeout

> Numeric. Number of seconds to wait for a REST response until giving up. Can not be less than 1 ms.

region   Character. The region of the AWS service.

Value

A list object or a character vector

capacityProvider

The short name or full Amazon Resource Name (ARN) of the capacity provider to delete.

---

ecs_delete_cluster   *Delete Cluster*

Description

Delete Cluster

Usage

```
ecs_delete_cluster(
  cluster = NULL,
  simplify = TRUE,
  others = list(),
  print_on_error = aws_get_print_on_error(),
  retry_time = aws_get_retry_time(),
  network_timeout = aws_get_network_timeout(),
  region = aws_get_region()
)
```

Arguments

cluster	Character. The short name or full Amazon Resource Name (ARN) of the cluster to delete.
simplify	Logical. Whether to simplify the result and handle nextToken in the response[optional]
others	Named list. The parameters that are not included in the function parameters and need to be added into the request[optional]
print_on_error	Logical. Whether to show an error message when a network error occurs.
retry_time	Integer. Number of retries for a REST request when encounter the network issue. If the request has been sent retry_time times but still not be able to get the response, an error will be thrown.
network_timeout	
	Numeric. Number of seconds to wait for a REST response until giving up. Can not be less than 1 ms.
region	Character. The region of the AWS service.

Value

A list object or a character vector

cluster

The short name or full Amazon Resource Name (ARN) of the cluster to delete.

---

ecs_delete_service   *Delete Service*

Description

Delete Service

Usage

```
ecs_delete_service(
  cluster = NULL,
  service = NULL,
  force = NULL,
  simplify = TRUE,
  others = list(),
  print_on_error = aws_get_print_on_error(),
  retry_time = aws_get_retry_time(),
  network_timeout = aws_get_network_timeout(),
  region = aws_get_region()
)
```

Arguments

cluster	Character. The short name or full Amazon Resource Name (ARN) of the cluster that hosts the service to delete.
service	Character. The name of the service to delete.
force	Logical. If true, allows you to delete a service even if it has not been scaled down to zero tasks.
simplify	Logical. Whether to simplify the result and handle nextToken in the response[optional]
others	Named list. The parameters that are not included in the function parameters and need to be added into the request[optional]
print_on_error	Logical. Whether to show an error message when a network error occurs.
retry_time	Integer. Number of retries for a REST request when encounter the network issue. If the request has been sent retry_time times but still not be able to get the response, an error will be thrown.
network_timeout	
	Numeric. Number of seconds to wait for a REST response until giving up. Can not be less than 1 ms.
region	Character. The region of the AWS service.

Value

A list object or a character vector

cluster

The short name or full Amazon Resource Name (ARN) of the cluster that hosts the service to delete. If you do not specify a cluster, the default cluster is assumed.

service

The name of the service to delete.

force

>   If `true`, allows you to delete a service even if it has not been scaled down to zero tasks. It is only necessary to use this if the service is using the `REPLICA` scheduling strategy.

`ecs_delete_task_set`   *Delete Task Set*

Description

Deletes a specified task set within a service. This is used when a service uses the `EXTERNAL` deployment controller type. For more information, see Amazon ECS Deployment Types in the *Amazon Elastic Container Service Developer Guide*.

Usage

```
ecs_delete_task_set(
  cluster = NULL,
  service = NULL,
  taskSet = NULL,
  force = NULL,
  simplify = TRUE,
  others = list(),
  print_on_error = aws_get_print_on_error(),
  retry_time = aws_get_retry_time(),
  network_timeout = aws_get_network_timeout(),
  region = aws_get_region()
)
```

Arguments

cluster	Character. The short name or full Amazon Resource Name (ARN) of the cluster that hosts the service that the...
service	Character. The short name or full Amazon Resource Name (ARN) of the service that hosts the task set to delete.
taskSet	Character. The task set ID or full Amazon Resource Name (ARN) of the task set to delete.
force	Logical. If `true`, this allows you to delete a task set even if it hasn\'t been scaled down to zero.
simplify	Logical. Whether to simplify the result and handle `nextToken` in the response[optional]
others	Named list. The parameters that are not included in the function parameters and need to be added into the request[optional]
print_on_error	Logical. Whether to show an error message when a network error occurs.
retry_time	Integer. Number of retries for a REST request when encounter the network issue. If the request has been sent `retry_time` times but still not be able to get the response, an error will be thrown.

network_timeout

> Numeric. Number of seconds to wait for a REST response until giving up. Can not be less than 1 ms.

region   Character. The region of the AWS service.

Value

A list object or a character vector

cluster

The short name or full Amazon Resource Name (ARN) of the cluster that hosts the service that the task set exists in to delete.

service

The short name or full Amazon Resource Name (ARN) of the service that hosts the task set to delete.

taskSet

The task set ID or full Amazon Resource Name (ARN) of the task set to delete.

force

If `true`, this allows you to delete a task set even if it hasn\'t been scaled down to zero.

---

ecs_deregister_container_instance

Deregister Container Instance

Description

Deregister Container Instance

Usage

```
ecs_deregister_container_instance(
  cluster = NULL,
  containerInstance = NULL,
  force = NULL,
  simplify = TRUE,
  others = list(),
  print_on_error = aws_get_print_on_error(),
  retry_time = aws_get_retry_time(),
  network_timeout = aws_get_network_timeout(),
  region = aws_get_region()
)
```

Arguments

cluster	Character. The short name or full Amazon Resource Name (ARN) of the cluster that hosts the container instance...
containerInstance	
	Character. The container instance ID or full ARN of the container instance to deregister.
force	Logical. Forces the deregistration of the container instance.
simplify	Logical. Whether to simplify the result and handle nextToken in the response[optional]
others	Named list. The parameters that are not included in the function parameters and need to be added into the request[optional]
print_on_error	Logical. Whether to show an error message when a network error occurs.
retry_time	Integer. Number of retries for a REST request when encounter the network issue. If the request has been sent retry_time times but still not be able to get the response, an error will be thrown.
network_timeout	
	Numeric. Number of seconds to wait for a REST response until giving up. Can not be less than 1 ms.
region	Character. The region of the AWS service.

Value

A list object or a character vector

cluster

The short name or full Amazon Resource Name (ARN) of the cluster that hosts the container instance to deregister. If you do not specify a cluster, the default cluster is assumed.

containerInstance

The container instance ID or full ARN of the container instance to deregister. The ARN contains the arn:aws:ecs namespace, followed by the Region of the container instance, the AWS account ID of the container instance owner, the container-instance namespace, and then the container instance ID. For example, arn:aws:ecs:region:aws_account_id:container-instance/container_instance_ID.

force

Forces the deregistration of the container instance. If you have tasks running on the container instance when you deregister it with the force option, these tasks remain running until you terminate the instance or the tasks stop through some other means, but they are orphaned (no longer monitored or accounted for by Amazon ECS). If an orphaned task on your container instance is part of an Amazon ECS service, then the service scheduler starts another copy of that task, on a different container instance if possible.

Any containers in orphaned service tasks that are registered with a Classic Load Balancer or an Application Load Balancer target group are deregistered. They begin connection draining according to the settings on the load balancer or target group.

---

ecs_deregister_task_definition

Deregister Task Definition

Description

Deregister Task Definition

Usage

```
ecs_deregister_task_definition(
  taskDefinition = NULL,
  simplify = TRUE,
  others = list(),
  print_on_error = aws_get_print_on_error(),
  retry_time = aws_get_retry_time(),
  network_timeout = aws_get_network_timeout(),
  region = aws_get_region()
)
```

Arguments

taskDefinition	Character. The `family` and `revision` (`family:revision`) or full Amazon Resource Name (ARN) of the task definition...
simplify	Logical. Whether to simplify the result and handle `nextToken` in the response[optional]
others	Named list. The parameters that are not included in the function parameters and need to be added into the request[optional]
print_on_error	Logical. Whether to show an error message when a network error occurs.
retry_time	Integer. Number of retries for a REST request when encounter the network issue. If the request has been sent `retry_time` times but still not be able to get the response, an error will be thrown.
network_timeout	
	Numeric. Number of seconds to wait for a REST response until giving up. Can not be less than 1 ms.
region	Character. The region of the AWS service.

Value

A list object or a character vector

taskDefinition

The `family` and `revision` (`family:revision`) or full Amazon Resource Name (ARN) of the task definition to deregister. You must specify a `revision`.

---

ecs_describe_capacity_providers
Describe Capacity Providers

Description

Describes one or more of your capacity providers.

Usage

```
ecs_describe_capacity_providers(
  capacityProviders = NULL,
  include = NULL,
  maxResults = NULL,
  nextToken = NULL,
  simplify = TRUE,
  others = list(),
  print_on_error = aws_get_print_on_error(),
  retry_time = aws_get_retry_time(),
  network_timeout = aws_get_network_timeout(),
  region = aws_get_region()
)
```

Arguments

capacityProviders

List. The short name or full Amazon Resource Name (ARN) of one or more capacity providers.

include   List. Specifies whether or not you want to see the resource tags for the capacity provider.

maxResults   Integer. The maximum number of account setting results returned by DescribeCapacityProviders in paginated...

nextToken   Characters. The token for the next page of results[optional]

simplify   Logical. Whether to simplify the result and handle nextToken in the response[optional]

others   Named list. The parameters that are not included in the function parameters and need to be added into the request[optional]

print_on_error   Logical. Whether to show an error message when a network error occurs.

retry_time   Integer. Number of retries for a REST request when encounter the network issue. If the request has been sent retry_time times but still not be able to get the response, an error will be thrown.

network_timeout

Numeric. Number of seconds to wait for a REST response until giving up. Can not be less than 1 ms.

region   Character. The region of the AWS service.

Value

A list object or a character vector

capacityProviders

The short name or full Amazon Resource Name (ARN) of one or more capacity providers. Up to `100` capacity providers can be described in an action.

include

Specifies whether or not you want to see the resource tags for the capacity provider. If `TAGS` is specified, the tags are included in the response. If this field is omitted, tags are not included in the response.

maxResults

The maximum number of account setting results returned by `DescribeCapacityProviders` in paginated output. When this parameter is used, `DescribeCapacityProviders` only returns `maxResults` results in a single page along with a `nextToken` response element. The remaining results of the initial request can be seen by sending another `DescribeCapacityProviders` request with the returned `nextToken` value. This value can be between 1 and 10. If this parameter is not used, then `DescribeCapacityProviders` returns up to 10 results and a `nextToken` value if applicable.

---

ecs_describe_clusters *Describe Clusters*

Description

Describes one or more of your clusters.

Usage

```
ecs_describe_clusters(
  clusters = NULL,
  include = NULL,
  simplify = TRUE,
  others = list(),
  print_on_error = aws_get_print_on_error(),
  retry_time = aws_get_retry_time(),
  network_timeout = aws_get_network_timeout(),
  region = aws_get_region()
)
```

Arguments

`clusters`	List. A list of up to 100 cluster names or full cluster Amazon Resource Name (ARN) entries.
`include`	List. Whether to include additional information about your clusters in the response.
`simplify`	Logical. Whether to simplify the result and handle `nextToken` in the response[optional]
`others`	Named list. The parameters that are not included in the function parameters and need to be added into the request[optional]
`print_on_error`	Logical. Whether to show an error message when a network error occurs.
`retry_time`	Integer. Number of retries for a REST request when encounter the network issue. If the request has been sent `retry_time` times but still not be able to get the response, an error will be thrown.
`network_timeout`	
	Numeric. Number of seconds to wait for a REST response until giving up. Can not be less than 1 ms.
`region`	Character. The region of the AWS service.

Value

A list object or a character vector

clusters

A list of up to 100 cluster names or full cluster Amazon Resource Name (ARN) entries. If you do not specify a cluster, the default cluster is assumed.

include

Whether to include additional information about your clusters in the response. If this field is omitted, the attachments, statistics, and tags are not included.

If `ATTACHMENTS` is specified, the attachments for the container instances or tasks within the cluster are included.

If `SETTINGS` is specified, the settings for the cluster are included.

If `STATISTICS` is specified, the following additional information, separated by launch type, is included:

- runningEC2TasksCount
- runningFargateTasksCount
- pendingEC2TasksCount
- pendingFargateTasksCount
- activeEC2ServiceCount
- activeFargateServiceCount
- drainingEC2ServiceCount
- drainingFargateServiceCount

If `TAGS` is specified, the metadata tags associated with the cluster are included.

ecs_describe_container_instances

Describe Container Instances

Description

Describes Amazon Elastic Container Service container instances. Returns metadata about registered and remaining resources on each container instance requested.

Usage

```
ecs_describe_container_instances(
  cluster = NULL,
  containerInstances = NULL,
  include = NULL,
  simplify = TRUE,
  others = list(),
  print_on_error = aws_get_print_on_error(),
  retry_time = aws_get_retry_time(),
  network_timeout = aws_get_network_timeout(),
  region = aws_get_region()
)
```

Arguments

cluster	Character. The short name or full Amazon Resource Name (ARN) of the cluster that hosts the container instances...
containerInstances	
	List. A list of up to 100 container instance IDs or full Amazon Resource Name (ARN) entries.
include	List. Specifies whether you want to see the resource tags for the container instance.
simplify	Logical. Whether to simplify the result and handle nextToken in the response[optional]
others	Named list. The parameters that are not included in the function parameters and need to be added into the request[optional]
print_on_error	Logical. Whether to show an error message when a network error occurs.
retry_time	Integer. Number of retries for a REST request when encounter the network issue. If the request has been sent retry_time times but still not be able to get the response, an error will be thrown.
network_timeout	
	Numeric. Number of seconds to wait for a REST response until giving up. Can not be less than 1 ms.
region	Character. The region of the AWS service.

Value

A list object or a character vector

cluster

The short name or full Amazon Resource Name (ARN) of the cluster that hosts the container in-stances to describe. If you do not specify a cluster, the default cluster is assumed. This parameter is required if the container instance or container instances you are describing were launched in any cluster other than the default cluster.

containerInstances

A list of up to 100 container instance IDs or full Amazon Resource Name (ARN) entries.

include

Specifies whether you want to see the resource tags for the container instance. If TAGS is specified, the tags are included in the response. If this field is omitted, tags are not included in the response.

`ecs_describe_services` *Describe Services*

Description

Describes the specified services running in your cluster.

Usage

```
ecs_describe_services(
  cluster = NULL,
  services = NULL,
  include = NULL,
  simplify = TRUE,
  others = list(),
  print_on_error = aws_get_print_on_error(),
  retry_time = aws_get_retry_time(),
  network_timeout = aws_get_network_timeout(),
  region = aws_get_region()
)
```

Arguments

cluster	Character. The short name or full Amazon Resource Name (ARN)the cluster that hosts the service to describe.
services	List. A list of services to describe.
include	List. Specifies whether you want to see the resource tags for the service.

simplify	Logical. Whether to simplify the result and handle `nextToken` in the response[optional]
others	Named list. The parameters that are not included in the function parameters and need to be added into the request[optional]
print_on_error	Logical. Whether to show an error message when a network error occurs.
retry_time	Integer. Number of retries for a REST request when encounter the network issue. If the request has been sent `retry_time` times but still not be able to get the response, an error will be thrown.
network_timeout	
	Numeric. Number of seconds to wait for a REST response until giving up. Can not be less than 1 ms.
region	Character. The region of the AWS service.

Value

A list object or a character vector

cluster

The short name or full Amazon Resource Name (ARN)the cluster that hosts the service to describe. If you do not specify a cluster, the default cluster is assumed. This parameter is required if the service or services you are describing were launched in any cluster other than the default cluster.

services

A list of services to describe. You may specify up to 10 services to describe in a single operation.

include

Specifies whether you want to see the resource tags for the service. If `TAGS` is specified, the tags are included in the response. If this field is omitted, tags are not included in the response.

---

ecs_describe_tasks   *Describe Tasks*

Description

Describes a specified task or tasks.

Usage

```
ecs_describe_tasks(
  cluster = NULL,
  tasks = NULL,
  include = NULL,
  simplify = TRUE,
  others = list(),
```

```
    print_on_error = aws_get_print_on_error(),
    retry_time = aws_get_retry_time(),
    network_timeout = aws_get_network_timeout(),
    region = aws_get_region()
)
```

Arguments

cluster	Character. The short name or full Amazon Resource Name (ARN) of the cluster that hosts the task or tasks to...
tasks	List. A list of up to 100 task IDs or full ARN entries.
include	List. Specifies whether you want to see the resource tags for the task.
simplify	Logical. Whether to simplify the result and handle nextToken in the response[optional]
others	Named list. The parameters that are not included in the function parameters and need to be added into the request[optional]
print_on_error	Logical. Whether to show an error message when a network error occurs.
retry_time	Integer. Number of retries for a REST request when encounter the network issue. If the request has been sent retry_time times but still not be able to get the response, an error will be thrown.
network_timeout	
	Numeric. Number of seconds to wait for a REST response until giving up. Can not be less than 1 ms.
region	Character. The region of the AWS service.

Value

A list object or a character vector

cluster

The short name or full Amazon Resource Name (ARN) of the cluster that hosts the task or tasks to describe. If you do not specify a cluster, the default cluster is assumed. This parameter is required if the task or tasks you are describing were launched in any cluster other than the default cluster.

tasks

A list of up to 100 task IDs or full ARN entries.

include

Specifies whether you want to see the resource tags for the task. If TAGS is specified, the tags are included in the response. If this field is omitted, tags are not included in the response.

---

ecs_describe_task_definition

Describe Task Definition

Description

Describe Task Definition

Usage

```
ecs_describe_task_definition(
  taskDefinition = NULL,
  include = NULL,
  simplify = TRUE,
  others = list(),
  print_on_error = aws_get_print_on_error(),
  retry_time = aws_get_retry_time(),
  network_timeout = aws_get_network_timeout(),
  region = aws_get_region()
)
```

Arguments

taskDefinition	Character. The `family` for the latest `ACTIVE` revision, `family` and `revision` (`family:revision`) for a...
include	List. Specifies whether to see the resource tags for the task definition.
simplify	Logical. Whether to simplify the result and handle `nextToken` in the response[optional]
others	Named list. The parameters that are not included in the function parameters and need to be added into the request[optional]
print_on_error	Logical. Whether to show an error message when a network error occurs.
retry_time	Integer. Number of retries for a REST request when encounter the network issue. If the request has been sent `retry_time` times but still not be able to get the response, an error will be thrown.
network_timeout	
	Numeric. Number of seconds to wait for a REST response until giving up. Can not be less than 1 ms.
region	Character. The region of the AWS service.

Value

A list object or a character vector

taskDefinition

The `family` for the latest `ACTIVE` revision, `family` and `revision` (`family:revision`) for a specific revision in the family, or full Amazon Resource Name (ARN) of the task definition to describe.

include

Specifies whether to see the resource tags for the task definition. If TAGS is specified, the tags are included in the response. If this field is omitted, tags are not included in the response.

---

ecs_describe_task_sets

Describe Task Sets

Description

Describes the task sets in the specified cluster and service. This is used when a service uses the EXTERNAL deployment controller type. For more information, see Amazon ECS Deployment Types in the *Amazon Elastic Container Service Developer Guide*.

Usage

```
ecs_describe_task_sets(
  cluster = NULL,
  service = NULL,
  taskSets = NULL,
  include = NULL,
  simplify = TRUE,
  others = list(),
  print_on_error = aws_get_print_on_error(),
  retry_time = aws_get_retry_time(),
  network_timeout = aws_get_network_timeout(),
  region = aws_get_region()
)
```

Arguments

cluster	Character. The short name or full Amazon Resource Name (ARN) of the cluster that hosts the service that the...
service	Character. The short name or full Amazon Resource Name (ARN) of the service that the task sets exist in.
taskSets	List. The ID or full Amazon Resource Name (ARN) of task sets to describe.
include	List. Specifies whether to see the resource tags for the task set.
simplify	Logical. Whether to simplify the result and handle nextToken in the response[optional]
others	Named list. The parameters that are not included in the function parameters and need to be added into the request[optional]
print_on_error	Logical. Whether to show an error message when a network error occurs.
retry_time	Integer. Number of retries for a REST request when encounter the network issue. If the request has been sent retry_time times but still not be able to get the response, an error will be thrown.

network_timeout
> Numeric. Number of seconds to wait for a REST response until giving up. Can not be less than 1 ms.

region
> Character. The region of the AWS service.

Value

A list object or a character vector

cluster

The short name or full Amazon Resource Name (ARN) of the cluster that hosts the service that the task sets exist in.

service

The short name or full Amazon Resource Name (ARN) of the service that the task sets exist in.

taskSets

The ID or full Amazon Resource Name (ARN) of task sets to describe.

include

Specifies whether to see the resource tags for the task set. If TAGS is specified, the tags are included in the response. If this field is omitted, tags are not included in the response.

---

ecs_discover_poll_endpoint

Discover Poll Endpoint

Description

Discover Poll Endpoint

Usage

```
ecs_discover_poll_endpoint(
  containerInstance = NULL,
  cluster = NULL,
  simplify = TRUE,
  others = list(),
  print_on_error = aws_get_print_on_error(),
  retry_time = aws_get_retry_time(),
  network_timeout = aws_get_network_timeout(),
  region = aws_get_region()
)
```

Arguments

`containerInstance`	
	Character. The container instance ID or full ARN of the container instance.
`cluster`	Character. The short name or full Amazon Resource Name (ARN) of the cluster to which the container instance...
`simplify`	Logical. Whether to simplify the result and handle `nextToken` in the response[optional]
`others`	Named list. The parameters that are not included in the function parameters and need to be added into the request[optional]
`print_on_error`	Logical. Whether to show an error message when a network error occurs.
`retry_time`	Integer. Number of retries for a REST request when encounter the network issue. If the request has been sent `retry_time` times but still not be able to get the response, an error will be thrown.
`network_timeout`	
	Numeric. Number of seconds to wait for a REST response until giving up. Can not be less than 1 ms.
`region`	Character. The region of the AWS service.

Value

A list object or a character vector

containerInstance

The container instance ID or full ARN of the container instance. The ARN contains the `arn:aws:ecs` namespace, followed by the Region of the container instance, the AWS account ID of the container instance owner, the `container-instance` namespace, and then the container instance ID. For example, `arn:aws:ecs:region:aws_account_id:container-instance/container_instance_ID`.

cluster

The short name or full Amazon Resource Name (ARN) of the cluster to which the container instance belongs.

`ecs_list_account_settings`

List Account Settings

Description

Lists the account settings for a specified principal.

Usage

```
ecs_list_account_settings(
  maxResults = NULL,
  nextToken = NULL,
  name = NULL,
  value = NULL,
  principalArn = NULL,
  effectiveSettings = NULL,
  simplify = TRUE,
  others = list(),
  print_on_error = aws_get_print_on_error(),
  retry_time = aws_get_retry_time(),
  network_timeout = aws_get_network_timeout(),
  region = aws_get_region()
)
```

Arguments

maxResults	Character. Pagination limit[optional]
nextToken	Characters. The token for the next page of results[optional]
name	Character. The name of the account setting you want to list the settings for.
value	Character. The value of the account settings with which to filter results.
principalArn	Character. The ARN of the principal, which can be an IAM user, IAM role, or the root user.
effectiveSettings	
	Logical. Specifies whether to return the effective settings.
simplify	Logical. Whether to simplify the result and handle nextToken in the response[optional]
others	Named list. The parameters that are not included in the function parameters and need to be added into the request[optional]
print_on_error	Logical. Whether to show an error message when a network error occurs.
retry_time	Integer. Number of retries for a REST request when encounter the network issue. If the request has been sent retry_time times but still not be able to get the response, an error will be thrown.
network_timeout	
	Numeric. Number of seconds to wait for a REST response until giving up. Can not be less than 1 ms.
region	Character. The region of the AWS service.

Value

A list object or a character vector

maxResults

Pagination limit

name

The name of the account setting you want to list the settings for.

value

The value of the account settings with which to filter results. You must also specify an account setting name to use this parameter.

principalArn

The ARN of the principal, which can be an IAM user, IAM role, or the root user. If this field is omitted, the account settings are listed only for the authenticated user.

effectiveSettings

Specifies whether to return the effective settings. If true, the account settings for the root user or the default setting for the principalArn are returned. If false, the account settings for the principalArn are returned if they are set. Otherwise, no account settings are returned.

---

ecs_list_attributes   *List Attributes*

Description

Lists the attributes for Amazon ECS resources within a specified target type and cluster. When you specify a target type and cluster, ListAttributes returns a list of attribute objects, one for each attribute on each resource. You can filter the list of results to a single attribute name to only return results that have that name. You can also filter the results by attribute name and value, for example, to see which container instances in a cluster are running a Linux AMI (ecs.os-type=linux).

Usage

```
ecs_list_attributes(
  maxResults = NULL,
  nextToken = NULL,
  cluster = NULL,
  targetType = NULL,
  attributeName = NULL,
  attributeValue = NULL,
  simplify = TRUE,
  others = list(),
  print_on_error = aws_get_print_on_error(),
  retry_time = aws_get_retry_time(),
  network_timeout = aws_get_network_timeout(),
  region = aws_get_region()
)
```

Arguments

maxResults	Character. Pagination limit[optional]
nextToken	Characters. The token for the next page of results[optional]
cluster	Character. The short name or full Amazon Resource Name (ARN) of the cluster to list attributes.
targetType	Character. The type of the target with which to list attributes.
attributeName	Character. The name of the attribute with which to filter the results.
attributeValue	Character. The value of the attribute with which to filter results.
simplify	Logical. Whether to simplify the result and handle nextToken in the response[optional]
others	Named list. The parameters that are not included in the function parameters and need to be added into the request[optional]
print_on_error	Logical. Whether to show an error message when a network error occurs.
retry_time	Integer. Number of retries for a REST request when encounter the network issue. If the request has been sent retry_time times but still not be able to get the response, an error will be thrown.
network_timeout	
	Numeric. Number of seconds to wait for a REST response until giving up. Can not be less than 1 ms.
region	Character. The region of the AWS service.

Value

A list object or a character vector

maxResults

Pagination limit

cluster

The short name or full Amazon Resource Name (ARN) of the cluster to list attributes. If you do not specify a cluster, the default cluster is assumed.

targetType

The type of the target with which to list attributes.

attributeName

The name of the attribute with which to filter the results.

attributeValue

The value of the attribute with which to filter results. You must also specify an attribute name to use this parameter.

---

ecs_list_clusters   *List Clusters*

Description

Returns a list of existing clusters.

Usage

```
ecs_list_clusters(
  maxResults = NULL,
  nextToken = NULL,
  simplify = TRUE,
  others = list(),
  print_on_error = aws_get_print_on_error(),
  retry_time = aws_get_retry_time(),
  network_timeout = aws_get_network_timeout(),
  region = aws_get_region()
)
```

Arguments

maxResults	Character. Pagination limit[optional]
nextToken	Characters. The token for the next page of results[optional]
simplify	Logical. Whether to simplify the result and handle nextToken in the response[optional]
others	Named list. The parameters that are not included in the function parameters and need to be added into the request[optional]
print_on_error	Logical. Whether to show an error message when a network error occurs.
retry_time	Integer. Number of retries for a REST request when encounter the network issue. If the request has been sent retry_time times but still not be able to get the response, an error will be thrown.
network_timeout	
	Numeric. Number of seconds to wait for a REST response until giving up. Can not be less than 1 ms.
region	Character. The region of the AWS service.

Value

A list object or a character vector

maxResults

Pagination limit

ecs_list_container_instances

List Container Instances

Description

Returns a list of container instances in a specified cluster. You can filter the results of a `ListContainerInstances` operation with cluster query language statements inside the `filter` parameter. For more information, see Cluster Query Language in the *Amazon Elastic Container Service Developer Guide*.

Usage

```
ecs_list_container_instances(
  maxResults = NULL,
  nextToken = NULL,
  cluster = NULL,
  filter = NULL,
  status = NULL,
  simplify = TRUE,
  others = list(),
  print_on_error = aws_get_print_on_error(),
  retry_time = aws_get_retry_time(),
  network_timeout = aws_get_network_timeout(),
  region = aws_get_region()
)
```

Arguments

maxResults	Character. Pagination limit[optional]
nextToken	Characters. The token for the next page of results[optional]
cluster	Character. The short name or full Amazon Resource Name (ARN) of the cluster that hosts the container instances...
filter	Character. You can filter the results of a `ListContainerInstances` operation with cluster query language statements....
status	Character. Filters the container instances by status.
simplify	Logical. Whether to simplify the result and handle `nextToken` in the response[optional]
others	Named list. The parameters that are not included in the function parameters and need to be added into the request[optional]
print_on_error	Logical. Whether to show an error message when a network error occurs.
retry_time	Integer. Number of retries for a REST request when encounter the network issue. If the request has been sent `retry_time` times but still not be able to get the response, an error will be thrown.
network_timeout	Numeric. Number of seconds to wait for a REST response until giving up. Can not be less than 1 ms.
region	Character. The region of the AWS service.

Value

A list object or a character vector

maxResults

Pagination limit

cluster

The short name or full Amazon Resource Name (ARN) of the cluster that hosts the container instances to list. If you do not specify a cluster, the default cluster is assumed.

filter

You can filter the results of a ListContainerInstances operation with cluster query language statements. For more information, see Cluster Query Language in the *Amazon Elastic Container Service Developer Guide*.

status

Filters the container instances by status. For example, if you specify the DRAINING status, the results include only container instances that have been set to DRAINING using UpdateContainerInstancesState. If you do not specify this parameter, the default is to include container instances set to all states other than INACTIVE.

---

ecs_list_services *List Services*

Description

Lists the services that are running in a specified cluster.

Usage

```
ecs_list_services(
  maxResults = NULL,
  nextToken = NULL,
  cluster = NULL,
  launchType = NULL,
  schedulingStrategy = NULL,
  simplify = TRUE,
  others = list(),
  print_on_error = aws_get_print_on_error(),
  retry_time = aws_get_retry_time(),
  network_timeout = aws_get_network_timeout(),
  region = aws_get_region()
)
```

Arguments

`maxResults`	Character. Pagination limit[optional]
`nextToken`	Characters. The token for the next page of results[optional]
`cluster`	Character. The short name or full Amazon Resource Name (ARN) of the cluster that hosts the services to list.
`launchType`	Character. The launch type for the services to list.
`schedulingStrategy`	
	Character. The scheduling strategy for services to list.
`simplify`	Logical. Whether to simplify the result and handle `nextToken` in the response[optional]
`others`	Named list. The parameters that are not included in the function parameters and need to be added into the request[optional]
`print_on_error`	Logical. Whether to show an error message when a network error occurs.
`retry_time`	Integer. Number of retries for a REST request when encounter the network issue. If the request has been sent `retry_time` times but still not be able to get the response, an error will be thrown.
`network_timeout`	
	Numeric. Number of seconds to wait for a REST response until giving up. Can not be less than 1 ms.
`region`	Character. The region of the AWS service.

Value

A list object or a character vector

maxResults

Pagination limit

cluster

The short name or full Amazon Resource Name (ARN) of the cluster that hosts the services to list. If you do not specify a cluster, the default cluster is assumed.

launchType

The launch type for the services to list.

schedulingStrategy

The scheduling strategy for services to list.

```
ecs_list_tags_for_resource
```
List Tags For Resource

Description

List the tags for an Amazon ECS resource.

Usage

```
ecs_list_tags_for_resource(
  resourceArn = NULL,
  simplify = TRUE,
  others = list(),
  print_on_error = aws_get_print_on_error(),
  retry_time = aws_get_retry_time(),
  network_timeout = aws_get_network_timeout(),
  region = aws_get_region()
)
```

Arguments

resourceArn	Character. The Amazon Resource Name (ARN) that identifies the resource for which to list the tags.
simplify	Logical. Whether to simplify the result and handle nextToken in the response[optional]
others	Named list. The parameters that are not included in the function parameters and need to be added into the request[optional]
print_on_error	Logical. Whether to show an error message when a network error occurs.
retry_time	Integer. Number of retries for a REST request when encounter the network issue. If the request has been sent retry_time times but still not be able to get the response, an error will be thrown.
network_timeout	
	Numeric. Number of seconds to wait for a REST response until giving up. Can not be less than 1 ms.
region	Character. The region of the AWS service.

Value

A list object or a character vector

resourceArn

The Amazon Resource Name (ARN) that identifies the resource for which to list the tags. Currently, the supported resources are Amazon ECS tasks, services, task definitions, clusters, and container instances.

---

ecs_list_tasks   *List Tasks*

Description

List Tasks

Usage

```
ecs_list_tasks(
  maxResults = NULL,
  nextToken = NULL,
  cluster = NULL,
  containerInstance = NULL,
  family = NULL,
  startedBy = NULL,
  serviceName = NULL,
  desiredStatus = NULL,
  launchType = NULL,
  simplify = TRUE,
  others = list(),
  print_on_error = aws_get_print_on_error(),
  retry_time = aws_get_retry_time(),
  network_timeout = aws_get_network_timeout(),
  region = aws_get_region()
)
```

Arguments

maxResults	Character. Pagination limit[optional]
nextToken	Characters. The token for the next page of results[optional]
cluster	Character. The short name or full Amazon Resource Name (ARN) of the cluster that hosts the tasks to list.
containerInstance	
	Character. The container instance ID or full ARN of the container instance with which to filter the ListTasks...
family	Character. The name of the family with which to filter the ListTasks results.
startedBy	Character. The startedBy value with which to filter the task results.
serviceName	Character. The name of the service with which to filter the ListTasks results.
desiredStatus	Character. The task desired status with which to filter the ListTasks results.
launchType	Character. The launch type for services to list.
simplify	Logical. Whether to simplify the result and handle nextToken in the response[optional]
others	Named list. The parameters that are not included in the function parameters and need to be added into the request[optional]

print_on_error Logical. Whether to show an error message when a network error occurs.

retry_time Integer. Number of retries for a REST request when encounter the network issue. If the request has been sent `retry_time` times but still not be able to get the response, an error will be thrown.

network_timeout

Numeric. Number of seconds to wait for a REST response until giving up. Can not be less than 1 ms.

region Character. The region of the AWS service.

Value

A list object or a character vector

maxResults

Pagination limit

cluster

The short name or full Amazon Resource Name (ARN) of the cluster that hosts the tasks to list. If you do not specify a cluster, the default cluster is assumed.

containerInstance

The container instance ID or full ARN of the container instance with which to filter the `ListTasks` results. Specifying a `containerInstance` limits the results to tasks that belong to that container instance.

family

The name of the family with which to filter the `ListTasks` results. Specifying a `family` limits the results to tasks that belong to that family.

startedBy

The `startedBy` value with which to filter the task results. Specifying a `startedBy` value limits the results to tasks that were started with that value.

serviceName

The name of the service with which to filter the `ListTasks` results. Specifying a `serviceName` limits the results to tasks that belong to that service.

desiredStatus

The task desired status with which to filter the `ListTasks` results. Specifying a `desiredStatus` of `STOPPED` limits the results to tasks that Amazon ECS has set the desired status to `STOPPED`. This can be useful for debugging tasks that are not starting properly or have died or finished. The default status filter is `RUNNING`, which shows tasks that Amazon ECS has set the desired status to `RUNNING`.

Although you can filter results based on a desired status of PENDING, this does not return any results. Amazon ECS never sets the desired status of a task to that value (only a task\'s lastStatus may have a value of PENDING).

launchType

The launch type for services to list.

---

ecs_list_task_definitions

List Task Definitions

Description

Returns a list of task definitions that are registered to your account. You can filter the results by family name with the familyPrefix parameter or by status with the status parameter.

Usage

```
ecs_list_task_definitions(
  maxResults = NULL,
  nextToken = NULL,
  familyPrefix = NULL,
  status = NULL,
  sort = NULL,
  simplify = TRUE,
  others = list(),
  print_on_error = aws_get_print_on_error(),
  retry_time = aws_get_retry_time(),
  network_timeout = aws_get_network_timeout(),
  region = aws_get_region()
)
```

Arguments

maxResults	Character. Pagination limit[optional]
nextToken	Characters. The token for the next page of results[optional]
familyPrefix	Character. The full family name with which to filter the ListTaskDefinitions results.
status	Character. The task definition status with which to filter the ListTaskDefinitions results.
sort	Character. The order in which to sort the results.
simplify	Logical. Whether to simplify the result and handle nextToken in the response[optional]
others	Named list. The parameters that are not included in the function parameters and need to be added into the request[optional]

print_on_error	Logical. Whether to show an error message when a network error occurs.
retry_time	Integer. Number of retries for a REST request when encounter the network issue. If the request has been sent retry_time times but still not be able to get the response, an error will be thrown.
network_timeout	
	Numeric. Number of seconds to wait for a REST response until giving up. Can not be less than 1 ms.
region	Character. The region of the AWS service.

Value

A list object or a character vector

maxResults

Pagination limit

familyPrefix

The full family name with which to filter the ListTaskDefinitions results. Specifying a familyPrefix limits the listed task definitions to task definition revisions that belong to that family.

status

The task definition status with which to filter the ListTaskDefinitions results. By default, only ACTIVE task definitions are listed. By setting this parameter to INACTIVE, you can view task definitions that are INACTIVE as long as an active task or service still references them. If you paginate the resulting output, be sure to keep the status value constant in each subsequent request.

sort

The order in which to sort the results. Valid values are ASC and DESC. By default (ASC), task definitions are listed lexicographically by family name and in ascending numerical order by revision so that the newest task definitions in a family are listed last. Setting this parameter to DESC reverses the sort order on family name and revision so that the newest task definitions in a family are listed first.

---

ecs_list_task_definition_families
List Task Definition Families

Description

List Task Definition Families

Usage

```
ecs_list_task_definition_families(
  maxResults = NULL,
  nextToken = NULL,
  familyPrefix = NULL,
  status = NULL,
  simplify = TRUE,
  others = list(),
  print_on_error = aws_get_print_on_error(),
  retry_time = aws_get_retry_time(),
  network_timeout = aws_get_network_timeout(),
  region = aws_get_region()
)
```

Arguments

maxResults	Character. Pagination limit[optional]
nextToken	Characters. The token for the next page of results[optional]
familyPrefix	Character. The `familyPrefix` is a string that is used to filter the results of `ListTaskDefinitionFamilies`.
status	Character. The task definition family status with which to filter the `ListTaskDefinitionFamilies` results.
simplify	Logical. Whether to simplify the result and handle `nextToken` in the response[optional]
others	Named list. The parameters that are not included in the function parameters and need to be added into the request[optional]
print_on_error	Logical. Whether to show an error message when a network error occurs.
retry_time	Integer. Number of retries for a REST request when encounter the network issue. If the request has been sent `retry_time` times but still not be able to get the response, an error will be thrown.
network_timeout	
	Numeric. Number of seconds to wait for a REST response until giving up. Can not be less than 1 ms.
region	Character. The region of the AWS service.

Value

A list object or a character vector

maxResults

Pagination limit

familyPrefix

The `familyPrefix` is a string that is used to filter the results of `ListTaskDefinitionFamilies`. If you specify a `familyPrefix`, only task definition family names that begin with the `familyPrefix` string are returned.

status

> The task definition family status with which to filter the ListTaskDefinitionFamilies results. By default, both ACTIVE and INACTIVE task definition families are listed. If this parameter is set to ACTIVE, only task definition families that have an ACTIVE task definition revision are returned. If this parameter is set to INACTIVE, only task definition families that do not have any ACTIVE task definition revisions are returned. If you paginate the resulting output, be sure to keep the status value constant in each subsequent request.

---

ecs_put_account_setting

Put Account Setting

Description

Put Account Setting

Usage

```
ecs_put_account_setting(
  name = NULL,
  value = NULL,
  principalArn = NULL,
  simplify = TRUE,
  others = list(),
  print_on_error = aws_get_print_on_error(),
  retry_time = aws_get_retry_time(),
  network_timeout = aws_get_network_timeout(),
  region = aws_get_region()
)
```

Arguments

name	Character. The Amazon ECS resource name for which to modify the account setting.
value	Character. The account setting value for the specified principal ARN.
principalArn	Character. The ARN of the principal, which can be an IAM user, IAM role, or the root user.
simplify	Logical. Whether to simplify the result and handle nextToken in the response[optional]
others	Named list. The parameters that are not included in the function parameters and need to be added into the request[optional]
print_on_error	Logical. Whether to show an error message when a network error occurs.
retry_time	Integer. Number of retries for a REST request when encounter the network issue. If the request has been sent retry_time times but still not be able to get the response, an error will be thrown.

network_timeout

> Numeric. Number of seconds to wait for a REST response until giving up. Can not be less than 1 ms.

region   Character. The region of the AWS service.

Value

A list object or a character vector

name

The Amazon ECS resource name for which to modify the account setting. If `serviceLongArnFormat` is specified, the ARN for your Amazon ECS services is affected. If `taskLongArnFormat` is specified, the ARN and resource ID for your Amazon ECS tasks is affected. If `containerInstanceLongArnFormat` is specified, the ARN and resource ID for your Amazon ECS container instances is affected. If `awsvpcTrunking` is specified, the elastic network interface (ENI) limit for your Amazon ECS container instances is affected. If `containerInsights` is specified, the default setting for CloudWatch Container Insights for your clusters is affected.

value

The account setting value for the specified principal ARN. Accepted values are `enabled` and `disabled`.

principalArn

The ARN of the principal, which can be an IAM user, IAM role, or the root user. If you specify the root user, it modifies the account setting for all IAM users, IAM roles, and the root user of the account unless an IAM user or role explicitly overrides these settings. If this field is omitted, the setting is changed only for the authenticated user.

---

ecs_put_account_setting_default

Put Account Setting Default

Description

Modifies an account setting for all IAM users on an account for whom no individual account setting has been specified. Account settings are set on a per-Region basis.

Usage

```
ecs_put_account_setting_default(
  name = NULL,
  value = NULL,
  simplify = TRUE,
  others = list(),
  print_on_error = aws_get_print_on_error(),
  retry_time = aws_get_retry_time(),
```

```
    network_timeout = aws_get_network_timeout(),
    region = aws_get_region()
)
```

Arguments

name	Character. The resource name for which to modify the account setting.
value	Character. The account setting value for the specified principal ARN.
simplify	Logical. Whether to simplify the result and handle nextToken in the response[optional]
others	Named list. The parameters that are not included in the function parameters and need to be added into the request[optional]
print_on_error	Logical. Whether to show an error message when a network error occurs.
retry_time	Integer. Number of retries for a REST request when encounter the network issue. If the request has been sent retry_time times but still not be able to get the response, an error will be thrown.
network_timeout	
	Numeric. Number of seconds to wait for a REST response until giving up. Can not be less than 1 ms.
region	Character. The region of the AWS service.

Value

A list object or a character vector

name

The resource name for which to modify the account setting. If serviceLongArnFormat is specified, the ARN for your Amazon ECS services is affected. If taskLongArnFormat is specified, the ARN and resource ID for your Amazon ECS tasks is affected. If containerInstanceLongArnFormat is specified, the ARN and resource ID for your Amazon ECS container instances is affected. If awsvpcTrunking is specified, the ENI limit for your Amazon ECS container instances is affected. If containerInsights is specified, the default setting for CloudWatch Container Insights for your clusters is affected.

value

The account setting value for the specified principal ARN. Accepted values are enabled and disabled.

---

ecs_put_attributes *Put Attributes*

Description

Create or update an attribute on an Amazon ECS resource. If the attribute does not exist, it is created. If the attribute exists, its value is replaced with the specified value. To delete an attribute, use DeleteAttributes. For more information, see Attributes in the *Amazon Elastic Container Service Developer Guide*.

Usage

```
ecs_put_attributes(
  cluster = NULL,
  attributes = NULL,
  simplify = TRUE,
  others = list(),
  print_on_error = aws_get_print_on_error(),
  retry_time = aws_get_retry_time(),
  network_timeout = aws_get_network_timeout(),
  region = aws_get_region()
)
```

Arguments

cluster	Character. The short name or full Amazon Resource Name (ARN) of the cluster that contains the resource to apply...
attributes	List. The attributes to apply to your resource.
simplify	Logical. Whether to simplify the result and handle nextToken in the response[optional]
others	Named list. The parameters that are not included in the function parameters and need to be added into the request[optional]
print_on_error	Logical. Whether to show an error message when a network error occurs.
retry_time	Integer. Number of retries for a REST request when encounter the network issue. If the request has been sent retry_time times but still not be able to get the response, an error will be thrown.
network_timeout	
	Numeric. Number of seconds to wait for a REST response until giving up. Can not be less than 1 ms.
region	Character. The region of the AWS service.

Value

A list object or a character vector

cluster

The short name or full Amazon Resource Name (ARN) of the cluster that contains the resource to apply attributes. If you do not specify a cluster, the default cluster is assumed.

attributes

The attributes to apply to your resource. You can specify up to 10 custom attributes per resource. You can specify up to 10 attributes in a single call.

---

ecs_put_cluster_capacity_providers
Put Cluster Capacity Providers

Description

Put Cluster Capacity Providers

Usage

```
ecs_put_cluster_capacity_providers(
  cluster = NULL,
  capacityProviders = NULL,
  defaultCapacityProviderStrategy = NULL,
  simplify = TRUE,
  others = list(),
  print_on_error = aws_get_print_on_error(),
  retry_time = aws_get_retry_time(),
  network_timeout = aws_get_network_timeout(),
  region = aws_get_region()
)
```

Arguments

cluster	Character. The short name or full Amazon Resource Name (ARN) of the cluster to modify the capacity provider...
capacityProviders	
	List. The name of one or more capacity providers to associate with the cluster.
defaultCapacityProviderStrategy	
	List. The capacity provider strategy to use by default for the cluster.
simplify	Logical. Whether to simplify the result and handle nextToken in the response[optional]
others	Named list. The parameters that are not included in the function parameters and need to be added into the request[optional]
print_on_error	Logical. Whether to show an error message when a network error occurs.
retry_time	Integer. Number of retries for a REST request when encounter the network issue. If the request has been sent retry_time times but still not be able to get the response, an error will be thrown.
network_timeout	
	Numeric. Number of seconds to wait for a REST response until giving up. Can not be less than 1 ms.
region	Character. The region of the AWS service.

Value

A list object or a character vector

cluster

The short name or full Amazon Resource Name (ARN) of the cluster to modify the capacity provider settings for. If you do not specify a cluster, the default cluster is assumed.

capacityProviders

The name of one or more capacity providers to associate with the cluster.

If specifying a capacity provider that uses an Auto Scaling group, the capacity provider must already be created. New capacity providers can be created with the CreateCapacityProvider API operation.

To use a AWS Fargate capacity provider, specify either the `FARGATE` or `FARGATE_SPOT` capacity providers. The AWS Fargate capacity providers are available to all accounts and only need to be associated with a cluster to be used.

defaultCapacityProviderStrategy

The capacity provider strategy to use by default for the cluster.

When creating a service or running a task on a cluster, if no capacity provider or launch type is specified then the default capacity provider strategy for the cluster is used.

A capacity provider strategy consists of one or more capacity providers along with the `base` and `weight` to assign to them. A capacity provider must be associated with the cluster to be used in a capacity provider strategy. The PutClusterCapacityProviders API is used to associate a capacity provider with a cluster. Only capacity providers with an `ACTIVE` or `UPDATING` status can be used.

If specifying a capacity provider that uses an Auto Scaling group, the capacity provider must already be created. New capacity providers can be created with the CreateCapacityProvider API operation.

To use a AWS Fargate capacity provider, specify either the `FARGATE` or `FARGATE_SPOT` capacity providers. The AWS Fargate capacity providers are available to all accounts and only need to be associated with a cluster to be used.

---

ecs_register_container_instance

Register Container Instance

Description

Register Container Instance

Usage

```
ecs_register_container_instance(
  cluster = NULL,
  instanceIdentityDocument = NULL,
  instanceIdentityDocumentSignature = NULL,
  totalResources = NULL,
  versionInfo = NULL,
  containerInstanceArn = NULL,
```

```
    attributes = NULL,
    platformDevices = NULL,
    tags = NULL,
    simplify = TRUE,
    others = list(),
    print_on_error = aws_get_print_on_error(),
    retry_time = aws_get_retry_time(),
    network_timeout = aws_get_network_timeout(),
    region = aws_get_region()
)
```

Arguments

cluster   Character. The short name or full Amazon Resource Name (ARN) of the cluster
                   with which to register your container...

instanceIdentityDocument

                   Character. The instance identity document for the EC2 instance to register.

instanceIdentityDocumentSignature

                   Character. The instance identity document signature for the EC2 instance to
                   register.

totalResources   List. The resources available on the instance.

versionInfo   Object. The version information for the Amazon ECS container agent and
                   Docker daemon running on the container...

containerInstanceArn

                   Character. The ARN of the container instance (if it was previously registered).

attributes   List. The container instance attributes that this container instance supports.

platformDevices

                   List. The devices that are available on the container instance. The only sup-
                   ported device type is a GPU.

tags   List. The metadata that you apply to the container instance to help you catego-
                   rize and organize them.

simplify   Logical. Whether to simplify the result and handle nextToken in the response[optional]

others   Named list. The parameters that are not included in the function parameters and
                   need to be added into the request[optional]

print_on_error   Logical. Whether to show an error message when a network error occurs.

retry_time   Integer. Number of retries for a REST request when encounter the network
                   issue. If the request has been sent retry_time times but still not be able to get
                   the response, an error will be thrown.

network_timeout

                   Numeric. Number of seconds to wait for a REST response until giving up. Can
                   not be less than 1 ms.

region   Character. The region of the AWS service.

Value

A list object or a character vector

cluster

The short name or full Amazon Resource Name (ARN) of the cluster with which to register your container instance. If you do not specify a cluster, the default cluster is assumed.

instanceIdentityDocument

The instance identity document for the EC2 instance to register. This document can be found by running the following command from the instance: curl http://169.254.169.254/latest/dynamic/instance-identity/document/

instanceIdentityDocumentSignature

The instance identity document signature for the EC2 instance to register. This signature can be found by running the following command from the instance: curl http://169.254.169.254/latest/dynamic/instance-identity/signature/

totalResources

The resources available on the instance.

versionInfo

The version information for the Amazon ECS container agent and Docker daemon running on the container instance.

containerInstanceArn

The ARN of the container instance (if it was previously registered).

attributes

The container instance attributes that this container instance supports.

platformDevices

The devices that are available on the container instance. The only supported device type is a GPU.

tags

The metadata that you apply to the container instance to help you categorize and organize them. Each tag consists of a key and an optional value, both of which you define.

The following basic restrictions apply to tags:

- Maximum number of tags per resource - 50
- For each resource, each tag key must be unique, and each tag key can have only one value.
- Maximum key length - 128 Unicode characters in UTF-8
- Maximum value length - 256 Unicode characters in UTF-8

- If your tagging schema is used across multiple services and resources, remember that other services may have restrictions on allowed characters. Generally allowed characters are: letters, numbers, and spaces representable in UTF-8, and the following characters: + - = . _ : / @.

- Tag keys and values are case-sensitive.

- Do not use aws:, AWS:, or any upper or lowercase combination of such as a prefix for either keys or values as it is reserved for AWS use. You cannot edit or delete tag keys or values with this prefix. Tags with this prefix do not count against your tags per resource limit.

---

ecs_register_task_definition

Register Task Definition

Description

Register Task Definition

Usage

```
ecs_register_task_definition(
  family = NULL,
  taskRoleArn = NULL,
  executionRoleArn = NULL,
  networkMode = NULL,
  containerDefinitions = NULL,
  volumes = NULL,
  placementConstraints = NULL,
  requiresCompatibilities = NULL,
  cpu = NULL,
  memory = NULL,
  tags = NULL,
  pidMode = NULL,
  ipcMode = NULL,
  proxyConfiguration = NULL,
  inferenceAccelerators = NULL,
  simplify = TRUE,
  others = list(),
  print_on_error = aws_get_print_on_error(),
  retry_time = aws_get_retry_time(),
  network_timeout = aws_get_network_timeout(),
  region = aws_get_region()
)
```

Arguments

family	Character. You must specify a `family` for a task definition, which allows you to track multiple versions of...

taskRoleArn   Character. The short name or full Amazon Resource Name (ARN) of the IAM
                       role that containers in this task can...

executionRoleArn
                       Character. The Amazon Resource Name (ARN) of the task execution role that
                       grants the Amazon ECS container agent...

networkMode   Character. The Docker networking mode to use for the containers in the task.

containerDefinitions
                       List. A list of container definitions in JSON format that describe the different
                       containers that make up...

volumes   List. A list of volume definitions in JSON format that containers in your task
                       may use.

placementConstraints
                       List. An array of placement constraint objects to use for the task.

requiresCompatibilities
                       List. The task launch type that Amazon ECS should validate the task definition
                       against.

cpu   Character. The number of CPU units used by the task.

memory   Character. The amount of memory (in MiB) used by the task.

tags   List. The metadata that you apply to the task definition to help you categorize
                       and organize them.

pidMode   Character. The process namespace to use for the containers in the task.

ipcMode   Character. The IPC resource namespace to use for the containers in the task.

proxyConfiguration
                       No description can be found.

inferenceAccelerators
                       List. The Elastic Inference accelerators to use for the containers in the task.

simplify   Logical. Whether to simplify the result and handle nextToken in the response[optional]

others   Named list. The parameters that are not included in the function parameters and
                       need to be added into the request[optional]

print_on_error   Logical. Whether to show an error message when a network error occurs.

retry_time   Integer. Number of retries for a REST request when encounter the network
                       issue. If the request has been sent retry_time times but still not be able to get
                       the response, an error will be thrown.

network_timeout
                       Numeric. Number of seconds to wait for a REST response until giving up. Can
                       not be less than 1 ms.

region   Character. The region of the AWS service.

Value

A list object or a character vector

family

You must specify a family for a task definition, which allows you to track multiple versions of the same task definition. The family is used as a name for your task definition. Up to 255 letters (uppercase and lowercase), numbers, and hyphens are allowed.

taskRoleArn

The short name or full Amazon Resource Name (ARN) of the IAM role that containers in this task can assume. All containers in this task are granted the permissions that are specified in this role. For more information, see IAM Roles for Tasks in the *Amazon Elastic Container Service Developer Guide*.

executionRoleArn

The Amazon Resource Name (ARN) of the task execution role that grants the Amazon ECS container agent permission to make AWS API calls on your behalf. The task execution IAM role is required depending on the requirements of your task. For more information, see Amazon ECS task execution IAM role in the *Amazon Elastic Container Service Developer Guide*.

networkMode

The Docker networking mode to use for the containers in the task. The valid values are none, bridge, awsvpc, and host. If no network mode is specified, the default is bridge.

For Amazon ECS tasks on Fargate, the awsvpc network mode is required. For Amazon ECS tasks on Amazon EC2 instances, any network mode can be used. If the network mode is set to none, you cannot specify port mappings in your container definitions, and the tasks containers do not have external connectivity. The host and awsvpc network modes offer the highest networking performance for containers because they use the EC2 network stack instead of the virtualized network stack provided by the bridge mode.

With the host and awsvpc network modes, exposed container ports are mapped directly to the corresponding host port (for the host network mode) or the attached elastic network interface port (for the awsvpc network mode), so you cannot take advantage of dynamic host port mappings.

When using the host network mode, you should not run containers using the root user (UID 0). It is considered best practice to use a non-root user.

If the network mode is awsvpc, the task is allocated an elastic network interface, and you must specify a NetworkConfiguration value when you create a service or run a task with the task definition. For more information, see Task Networking in the *Amazon Elastic Container Service Developer Guide*.

Currently, only Amazon ECS-optimized AMIs, other Amazon Linux variants with the ecs-init package, or AWS Fargate infrastructure support the awsvpc network mode.

If the network mode is host, you cannot run multiple instantiations of the same task on a single container instance when port mappings are used.

Docker for Windows uses different network modes than Docker for Linux. When you register a task definition with Windows containers, you must not specify a network mode. If you use the console to register a task definition with Windows containers, you must choose the " network mode object.

For more information, see Network settings in the *Docker run reference*.

containerDefinitions

A list of container definitions in JSON format that describe the different containers that make up your task.

volumes

A list of volume definitions in JSON format that containers in your task may use.

placementConstraints

An array of placement constraint objects to use for the task. You can specify a maximum of 10 constraints per task (this limit includes constraints in the task definition and those specified at runtime).

requiresCompatibilities

The task launch type that Amazon ECS should validate the task definition against. This ensures that the task definition parameters are compatible with the specified launch type. If no value is specified, it defaults to EC2.

cpu

The number of CPU units used by the task. It can be expressed as an integer using CPU units, for example 1024, or as a string using vCPUs, for example 1 vCPU or 1 vcpu, in a task definition. String values are converted to an integer indicating the CPU units when the task definition is registered.

Task-level CPU and memory parameters are ignored for Windows containers. We recommend specifying container-level resources for Windows containers.

If you are using the EC2 launch type, this field is optional. Supported values are between 128 CPU units (0.125 vCPUs) and 10240 CPU units (10 vCPUs).

If you are using the Fargate launch type, this field is required and you must use one of the following values, which determines your range of supported values for the memory parameter:

- 256 (.25 vCPU) - Available memory values: 512 (0.5 GB), 1024 (1 GB), 2048 (2 GB)

- 512 (.5 vCPU) - Available memory values: 1024 (1 GB), 2048 (2 GB), 3072 (3 GB), 4096 (4 GB)

- 1024 (1 vCPU) - Available memory values: 2048 (2 GB), 3072 (3 GB), 4096 (4 GB), 5120 (5 GB), 6144 (6 GB), 7168 (7 GB), 8192 (8 GB)

- 2048 (2 vCPU) - Available memory values: Between 4096 (4 GB) and 16384 (16 GB) in increments of 1024 (1 GB)

- 4096 (4 vCPU) - Available memory values: Between 8192 (8 GB) and 30720 (30 GB) in increments of 1024 (1 GB)

memory

The amount of memory (in MiB) used by the task. It can be expressed as an integer using MiB, for example 1024, or as a string using GB, for example 1GB or 1 GB, in a task definition. String values are converted to an integer indicating the MiB when the task definition is registered.

Task-level CPU and memory parameters are ignored for Windows containers. We recommend specifying container-level resources for Windows containers.

If using the EC2 launch type, this field is optional.

If using the Fargate launch type, this field is required and you must use one of the following values, which determines your range of supported values for the cpu parameter:

- 512 (0.5 GB), 1024 (1 GB), 2048 (2 GB) - Available cpu values: 256 (.25 vCPU)

- 1024 (1 GB), 2048 (2 GB), 3072 (3 GB), 4096 (4 GB) - Available cpu values: 512 (.5 vCPU)

- 2048 (2 GB), 3072 (3 GB), 4096 (4 GB), 5120 (5 GB), 6144 (6 GB), 7168 (7 GB), 8192 (8 GB) - Available cpu values: 1024 (1 vCPU)

- Between 4096 (4 GB) and 16384 (16 GB) in increments of 1024 (1 GB) - Available cpu values: 2048 (2 vCPU)

- Between 8192 (8 GB) and 30720 (30 GB) in increments of 1024 (1 GB) - Available cpu values: 4096 (4 vCPU)

tags

The metadata that you apply to the task definition to help you categorize and organize them. Each tag consists of a key and an optional value, both of which you define.

The following basic restrictions apply to tags:

- Maximum number of tags per resource - 50

- For each resource, each tag key must be unique, and each tag key can have only one value.

- Maximum key length - 128 Unicode characters in UTF-8

- Maximum value length - 256 Unicode characters in UTF-8

- If your tagging schema is used across multiple services and resources, remember that other services may have restrictions on allowed characters. Generally allowed characters are: letters, numbers, and spaces representable in UTF-8, and the following characters: + - = . _ : / @.

- Tag keys and values are case-sensitive.

- Do not use aws:, AWS:, or any upper or lowercase combination of such as a prefix for either keys or values as it is reserved for AWS use. You cannot edit or delete tag keys or values with this prefix. Tags with this prefix do not count against your tags per resource limit.

pidMode

The process namespace to use for the containers in the task. The valid values are host or task. If host is specified, then all containers within the tasks that specified the host PID mode on the same container instance share the same process namespace with the host Amazon EC2 instance. If task is specified, all containers within the specified task share the same process namespace. If no value is specified, the default is a private namespace. For more information, see PID settings in the *Docker run reference*.

If the host PID mode is used, be aware that there is a heightened risk of undesired process namespace expose. For more information, see Docker security.

This parameter is not supported for Windows containers or tasks using the Fargate launch type.

ipcMode

The IPC resource namespace to use for the containers in the task. The valid values are host, task, or none. If host is specified, then all containers within the tasks that specified the host IPC mode on the same container instance share the same IPC resources with the host Amazon EC2 instance. If task is specified, all containers within the specified task share the same IPC resources. If none is specified, then IPC resources within the containers of a task are private and not shared with other containers in a task or on the container instance. If no value is specified, then the IPC resource namespace sharing depends on the Docker daemon setting on the container instance. For more information, see IPC settings in the *Docker run reference*.

If the host IPC mode is used, be aware that there is a heightened risk of undesired IPC namespace expose. For more information, see Docker security.

If you are setting namespaced kernel parameters using systemControls for the containers in the task, the following will apply to your IPC resource namespace. For more information, see System Controls in the *Amazon Elastic Container Service Developer Guide*.

- For tasks that use the host IPC mode, IPC namespace related systemControls are not supported.
- For tasks that use the task IPC mode, IPC namespace related systemControls will apply to all containers within a task.

This parameter is not supported for Windows containers or tasks using the Fargate launch type.

proxyConfiguration

No description can be found.

inferenceAccelerators

The Elastic Inference accelerators to use for the containers in the task.

---

ecs_run_task   *Run Task*

Description

Run Task

Usage

```
ecs_run_task(
  capacityProviderStrategy = NULL,
  cluster = NULL,
  count = NULL,
  enableECSManagedTags = NULL,
  group = NULL,
  launchType = NULL,
  networkConfiguration = NULL,
```

```
  overrides = NULL,
  placementConstraints = NULL,
  placementStrategy = NULL,
  platformVersion = NULL,
  propagateTags = NULL,
  referenceId = NULL,
  startedBy = NULL,
  tags = NULL,
  taskDefinition = NULL,
  simplify = TRUE,
  others = list(),
  print_on_error = aws_get_print_on_error(),
  retry_time = aws_get_retry_time(),
  network_timeout = aws_get_network_timeout(),
  region = aws_get_region()
)
```

Arguments

capacityProviderStrategy

        List. The capacity provider strategy to use for the task.

cluster   Character. The short name or full Amazon Resource Name (ARN) of the cluster on which to run your task.

count   Integer. The number of instantiations of the specified task to place on your cluster.

enableECSManagedTags

        Logical. Specifies whether to enable Amazon ECS managed tags for the task.

group   Character. The name of the task group to associate with the task.

launchType   Character. The launch type on which to run your task.

networkConfiguration

        Object. The network configuration for the task.

overrides   Object. A list of container overrides in JSON format that specify the name of a container in the specified...

placementConstraints

        List. An array of placement constraint objects to use for the task.

placementStrategy

        List. The placement strategy objects to use for the task.

platformVersion

        Character. The platform version the task should run.

propagateTags   Character. Specifies whether to propagate the tags from the task definition to the task.

referenceId   Character. The reference ID to use for the task.

startedBy   Character. An optional tag specified when a task is started.

tags   List. The metadata that you apply to the task to help you categorize and organize them.

taskDefinition	Character. The `family` and `revision` (`family:revision`) or full ARN of the task definition to run.
simplify	Logical. Whether to simplify the result and handle `nextToken` in the response[optional]
others	Named list. The parameters that are not included in the function parameters and need to be added into the request[optional]
print_on_error	Logical. Whether to show an error message when a network error occurs.
retry_time	Integer. Number of retries for a REST request when encounter the network issue. If the request has been sent `retry_time` times but still not be able to get the response, an error will be thrown.
network_timeout	
	Numeric. Number of seconds to wait for a REST response until giving up. Can not be less than 1 ms.
region	Character. The region of the AWS service.

Value

A list object or a character vector

capacityProviderStrategy

The capacity provider strategy to use for the task.

A capacity provider strategy consists of one or more capacity providers along with the `base` and `weight` to assign to them. A capacity provider must be associated with the cluster to be used in a capacity provider strategy. The PutClusterCapacityProviders API is used to associate a capacity provider with a cluster. Only capacity providers with an `ACTIVE` or `UPDATING` status can be used.

If a `capacityProviderStrategy` is specified, the `launchType` parameter must be omitted. If no `capacityProviderStrategy` or `launchType` is specified, the `defaultCapacityProviderStrategy` for the cluster is used.

If specifying a capacity provider that uses an Auto Scaling group, the capacity provider must already be created. New capacity providers can be created with the CreateCapacityProvider API operation.

To use a AWS Fargate capacity provider, specify either the `FARGATE` or `FARGATE_SPOT` capacity providers. The AWS Fargate capacity providers are available to all accounts and only need to be associated with a cluster to be used.

The PutClusterCapacityProviders API operation is used to update the list of available capacity providers for a cluster after the cluster is created.

cluster

The short name or full Amazon Resource Name (ARN) of the cluster on which to run your task. If you do not specify a cluster, the default cluster is assumed.

count

The number of instantiations of the specified task to place on your cluster. You can specify up to 10 tasks per call.

enableECSManagedTags

Specifies whether to enable Amazon ECS managed tags for the task. For more information, see Tagging Your Amazon ECS Resources in the *Amazon Elastic Container Service Developer Guide*.

group

The name of the task group to associate with the task. The default value is the family name of the task definition (for example, family:my-family-name).

launchType

The launch type on which to run your task. For more information, see Amazon ECS Launch Types in the *Amazon Elastic Container Service Developer Guide*.

If a launchType is specified, the capacityProviderStrategy parameter must be omitted.

networkConfiguration

The network configuration for the task. This parameter is required for task definitions that use the awsvpc network mode to receive their own elastic network interface, and it is not supported for other network modes. For more information, see Task Networking in the *Amazon Elastic Container Service Developer Guide*.

overrides

A list of container overrides in JSON format that specify the name of a container in the specified task definition and the overrides it should receive. You can override the default command for a container (that is specified in the task definition or Docker image) with a command override. You can also override existing environment variables (that are specified in the task definition or Docker image) on a container or add new environment variables to it with an environment override.

A total of 8192 characters are allowed for overrides. This limit includes the JSON formatting characters of the override structure.

placementConstraints

An array of placement constraint objects to use for the task. You can specify up to 10 constraints per task (including constraints in the task definition and those specified at runtime).

placementStrategy

The placement strategy objects to use for the task. You can specify a maximum of five strategy rules per task.

platformVersion

The platform version the task should run. A platform version is only specified for tasks using the Fargate launch type. If one is not specified, the LATEST platform version is used by default. For more information, see AWS Fargate Platform Versions in the *Amazon Elastic Container Service Developer Guide*.

propagateTags

Specifies whether to propagate the tags from the task definition to the task. If no value is specified, the tags are not propagated. Tags can only be propagated to the task during task creation. To add tags to a task after task creation, use the TagResource API action.

An error will be received if you specify the SERVICE option when running a task.

referenceId

The reference ID to use for the task.

startedBy

An optional tag specified when a task is started. For example, if you automatically trigger a task to run a batch process job, you could apply a unique identifier for that job to your task with the startedBy parameter. You can then identify which tasks belong to that job by filtering the results of a ListTasks call with the startedBy value. Up to 36 letters (uppercase and lowercase), numbers, hyphens, and underscores are allowed.

If a task is started by an Amazon ECS service, then the startedBy parameter contains the deployment ID of the service that starts it.

tags

The metadata that you apply to the task to help you categorize and organize them. Each tag consists of a key and an optional value, both of which you define.

The following basic restrictions apply to tags:

- Maximum number of tags per resource - 50

- For each resource, each tag key must be unique, and each tag key can have only one value.

- Maximum key length - 128 Unicode characters in UTF-8

- Maximum value length - 256 Unicode characters in UTF-8

- If your tagging schema is used across multiple services and resources, remember that other services may have restrictions on allowed characters. Generally allowed characters are: letters, numbers, and spaces representable in UTF-8, and the following characters: + - = . _ : / @.

- Tag keys and values are case-sensitive.

- Do not use aws:, AWS:, or any upper or lowercase combination of such as a prefix for either keys or values as it is reserved for AWS use. You cannot edit or delete tag keys or values with this prefix. Tags with this prefix do not count against your tags per resource limit.

taskDefinition

The family and revision (family:revision) or full ARN of the task definition to run. If a revision is not specified, the latest ACTIVE revision is used.

---

ecs_start_task *Start Task*

Description

Start Task

Usage

```
ecs_start_task(
  cluster = NULL,
  containerInstances = NULL,
  enableECSManagedTags = NULL,
  group = NULL,
  networkConfiguration = NULL,
  overrides = NULL,
  propagateTags = NULL,
  referenceId = NULL,
  startedBy = NULL,
  tags = NULL,
  taskDefinition = NULL,
  simplify = TRUE,
  others = list(),
  print_on_error = aws_get_print_on_error(),
  retry_time = aws_get_retry_time(),
  network_timeout = aws_get_network_timeout(),
  region = aws_get_region()
)
```

Arguments

cluster	Character. The short name or full Amazon Resource Name (ARN) of the cluster on which to start your task.
containerInstances	
	List. The container instance IDs or full ARN entries for the container instances on which you would like...
enableECSManagedTags	
	Logical. Specifies whether to enable Amazon ECS managed tags for the task.
group	Character. The name of the task group to associate with the task.
networkConfiguration	
	Object. The VPC subnet and security group configuration for tasks that receive their own elastic network...
overrides	Object. A list of container overrides in JSON format that specify the name of a container in the specified...
propagateTags	Character. Specifies whether to propagate the tags from the task definition or the service to the task.

referenceId	Character. The reference ID to use for the task.
startedBy	Character. An optional tag specified when a task is started.
tags	List. The metadata that you apply to the task to help you categorize and organize them.
taskDefinition	Character. The `family` and `revision` (`family:revision`) or full ARN of the task definition to start.
simplify	Logical. Whether to simplify the result and handle `nextToken` in the response[optional]
others	Named list. The parameters that are not included in the function parameters and need to be added into the request[optional]
print_on_error	Logical. Whether to show an error message when a network error occurs.
retry_time	Integer. Number of retries for a REST request when encounter the network issue. If the request has been sent `retry_time` times but still not be able to get the response, an error will be thrown.
network_timeout	
	Numeric. Number of seconds to wait for a REST response until giving up. Can not be less than 1 ms.
region	Character. The region of the AWS service.

Value

A list object or a character vector

cluster

The short name or full Amazon Resource Name (ARN) of the cluster on which to start your task. If you do not specify a cluster, the default cluster is assumed.

containerInstances

The container instance IDs or full ARN entries for the container instances on which you would like to place your task. You can specify up to 10 container instances.

enableECSManagedTags

Specifies whether to enable Amazon ECS managed tags for the task. For more information, see Tagging Your Amazon ECS Resources in the *Amazon Elastic Container Service Developer Guide*.

group

The name of the task group to associate with the task. The default value is the family name of the task definition (for example, family:my-family-name).

networkConfiguration

The VPC subnet and security group configuration for tasks that receive their own elastic network interface by using the `awsvpc` networking mode.

overrides

A list of container overrides in JSON format that specify the name of a container in the specified task definition and the overrides it should receive. You can override the default command for a container (that is specified in the task definition or Docker image) with a command override. You can also override existing environment variables (that are specified in the task definition or Docker image) on a container or add new environment variables to it with an environment override.

A total of 8192 characters are allowed for overrides. This limit includes the JSON formatting characters of the override structure.

propagateTags

Specifies whether to propagate the tags from the task definition or the service to the task. If no value is specified, the tags are not propagated.

referenceId

The reference ID to use for the task.

startedBy

An optional tag specified when a task is started. For example, if you automatically trigger a task to run a batch process job, you could apply a unique identifier for that job to your task with the startedBy parameter. You can then identify which tasks belong to that job by filtering the results of a ListTasks call with the startedBy value. Up to 36 letters (uppercase and lowercase), numbers, hyphens, and underscores are allowed.

If a task is started by an Amazon ECS service, then the startedBy parameter contains the deployment ID of the service that starts it.

tags

The metadata that you apply to the task to help you categorize and organize them. Each tag consists of a key and an optional value, both of which you define.

The following basic restrictions apply to tags:

- Maximum number of tags per resource - 50

- For each resource, each tag key must be unique, and each tag key can have only one value.

- Maximum key length - 128 Unicode characters in UTF-8

- Maximum value length - 256 Unicode characters in UTF-8

- If your tagging schema is used across multiple services and resources, remember that other services may have restrictions on allowed characters. Generally allowed characters are: letters, numbers, and spaces representable in UTF-8, and the following characters: + - = . _ : / @.

- Tag keys and values are case-sensitive.

- Do not use aws:, AWS:, or any upper or lowercase combination of such as a prefix for either keys or values as it is reserved for AWS use. You cannot edit or delete tag keys or values with this prefix. Tags with this prefix do not count against your tags per resource limit.

taskDefinition

The `family` and `revision` (`family:revision`) or full ARN of the task definition to start. If a `revision` is not specified, the latest `ACTIVE` revision is used.

---

ecs_stop_task   *Stop Task*

Description

Stop Task

Usage

```
ecs_stop_task(
  cluster = NULL,
  task = NULL,
  reason = NULL,
  simplify = TRUE,
  others = list(),
  print_on_error = aws_get_print_on_error(),
  retry_time = aws_get_retry_time(),
  network_timeout = aws_get_network_timeout(),
  region = aws_get_region()
)
```

Arguments

cluster	Character. The short name or full Amazon Resource Name (ARN) of the cluster that hosts the task to stop.
task	Character. The task ID or full Amazon Resource Name (ARN) of the task to stop.
reason	Character. An optional message specified when a task is stopped.
simplify	Logical. Whether to simplify the result and handle `nextToken` in the response[optional]
others	Named list. The parameters that are not included in the function parameters and need to be added into the request[optional]
print_on_error	Logical. Whether to show an error message when a network error occurs.
retry_time	Integer. Number of retries for a REST request when encounter the network issue. If the request has been sent `retry_time` times but still not be able to get the response, an error will be thrown.
network_timeout	
	Numeric. Number of seconds to wait for a REST response until giving up. Can not be less than 1 ms.
region	Character. The region of the AWS service.

Value

A list object or a character vector

cluster

The short name or full Amazon Resource Name (ARN) of the cluster that hosts the task to stop. If you do not specify a cluster, the default cluster is assumed.

task

The task ID or full Amazon Resource Name (ARN) of the task to stop.

reason

An optional message specified when a task is stopped. For example, if you are using a custom scheduler, you can use this parameter to specify the reason for stopping the task here, and the message appears in subsequent DescribeTasks API operations on this task. Up to 255 characters are allowed in this message.

---

ecs_submit_attachment_state_changes
Submit Attachment State Changes

Description

Submit Attachment State Changes

Usage

```
ecs_submit_attachment_state_changes(
  cluster = NULL,
  attachments = NULL,
  simplify = TRUE,
  others = list(),
  print_on_error = aws_get_print_on_error(),
  retry_time = aws_get_retry_time(),
  network_timeout = aws_get_network_timeout(),
  region = aws_get_region()
)
```

Arguments

cluster	Character. The short name or full ARN of the cluster that hosts the container instance the attachment belongs...
attachments	List. Any attachments associated with the state change request.
simplify	Logical. Whether to simplify the result and handle nextToken in the response[optional]

others   Named list. The parameters that are not included in the function parameters and
                need to be added into the request[optional]

print_on_error Logical. Whether to show an error message when a network error occurs.

retry_time   Integer. Number of retries for a REST request when encounter the network
                issue. If the request has been sent retry_time times but still not be able to get
                the response, an error will be thrown.

network_timeout

                Numeric. Number of seconds to wait for a REST response until giving up. Can
                not be less than 1 ms.

region   Character. The region of the AWS service.

Value

A list object or a character vector

cluster

The short name or full ARN of the cluster that hosts the container instance the attachment belongs
to.

attachments

Any attachments associated with the state change request.

---

ecs_submit_container_state_change

Submit Container State Change

Description

Submit Container State Change

Usage

```
ecs_submit_container_state_change(
  cluster = NULL,
  task = NULL,
  containerName = NULL,
  runtimeId = NULL,
  status = NULL,
  exitCode = NULL,
  reason = NULL,
  networkBindings = NULL,
  simplify = TRUE,
  others = list(),
  print_on_error = aws_get_print_on_error(),
```

```
    retry_time = aws_get_retry_time(),
    network_timeout = aws_get_network_timeout(),
    region = aws_get_region()
)
```

Arguments

cluster	Character. The short name or full ARN of the cluster that hosts the container.
task	Character. The task ID or full Amazon Resource Name (ARN) of the task that hosts the container.
containerName	Character. The name of the container.
runtimeId	Character. The ID of the Docker container.
status	Character. The status of the state change request.
exitCode	Integer. The exit code returned for the state change request.
reason	Character. The reason for the state change request.
networkBindings	
	List. The network bindings of the container.
simplify	Logical. Whether to simplify the result and handle nextToken in the response[optional]
others	Named list. The parameters that are not included in the function parameters and need to be added into the request[optional]
print_on_error	Logical. Whether to show an error message when a network error occurs.
retry_time	Integer. Number of retries for a REST request when encounter the network issue. If the request has been sent retry_time times but still not be able to get the response, an error will be thrown.
network_timeout	
	Numeric. Number of seconds to wait for a REST response until giving up. Can not be less than 1 ms.
region	Character. The region of the AWS service.

Value

A list object or a character vector

cluster

The short name or full ARN of the cluster that hosts the container.

task

The task ID or full Amazon Resource Name (ARN) of the task that hosts the container.

containerName

The name of the container.

runtimeId

The ID of the Docker container.

status

The status of the state change request.

exitCode

The exit code returned for the state change request.

reason

The reason for the state change request.

networkBindings

The network bindings of the container.

---

ecs_submit_task_state_change

Submit Task State Change

Description

Submit Task State Change

Usage

```
ecs_submit_task_state_change(
  cluster = NULL,
  task = NULL,
  status = NULL,
  reason = NULL,
  containers = NULL,
  attachments = NULL,
  pullStartedAt = NULL,
  pullStoppedAt = NULL,
  executionStoppedAt = NULL,
  simplify = TRUE,
  others = list(),
  print_on_error = aws_get_print_on_error(),
  retry_time = aws_get_retry_time(),
  network_timeout = aws_get_network_timeout(),
  region = aws_get_region()
)
```

Arguments

cluster	Character. The short name or full Amazon Resource Name (ARN) of the cluster that hosts the task.
task	Character. The task ID or full ARN of the task in the state change request.
status	Character. The status of the state change request.
reason	Character. The reason for the state change request.
containers	List. Any containers associated with the state change request.
attachments	List. Any attachments associated with the state change request.
pullStartedAt	Character. The Unix timestamp for when the container image pull began.
pullStoppedAt	Character. The Unix timestamp for when the container image pull completed.
executionStoppedAt	
	Character. The Unix timestamp for when the task execution stopped.
simplify	Logical. Whether to simplify the result and handle nextToken in the response[optional]
others	Named list. The parameters that are not included in the function parameters and need to be added into the request[optional]
print_on_error	Logical. Whether to show an error message when a network error occurs.
retry_time	Integer. Number of retries for a REST request when encounter the network issue. If the request has been sent retry_time times but still not be able to get the response, an error will be thrown.
network_timeout	
	Numeric. Number of seconds to wait for a REST response until giving up. Can not be less than 1 ms.
region	Character. The region of the AWS service.

Value

A list object or a character vector

cluster

The short name or full Amazon Resource Name (ARN) of the cluster that hosts the task.

task

The task ID or full ARN of the task in the state change request.

status

The status of the state change request.

reason

The reason for the state change request.

containers

Any containers associated with the state change request.

attachments

Any attachments associated with the state change request.

pullStartedAt

The Unix timestamp for when the container image pull began.

pullStoppedAt

The Unix timestamp for when the container image pull completed.

executionStoppedAt

The Unix timestamp for when the task execution stopped.

---

ecs_tag_resource   *Tag Resource*

Description

Associates the specified tags to a resource with the specified `resourceArn`. If existing tags on a resource are not specified in the request parameters, they are not changed. When a resource is deleted, the tags associated with that resource are deleted as well.

Usage

```
ecs_tag_resource(
  resourceArn = NULL,
  tags = NULL,
  simplify = TRUE,
  others = list(),
  print_on_error = aws_get_print_on_error(),
  retry_time = aws_get_retry_time(),
  network_timeout = aws_get_network_timeout(),
  region = aws_get_region()
)
```

Arguments

resourceArn	Character. The Amazon Resource Name (ARN) of the resource to which to add tags.
tags	List. The tags to add to the resource.
simplify	Logical. Whether to simplify the result and handle nextToken in the response[optional]
others	Named list. The parameters that are not included in the function parameters and need to be added into the request[optional]
print_on_error	Logical. Whether to show an error message when a network error occurs.
retry_time	Integer. Number of retries for a REST request when encounter the network issue. If the request has been sent retry_time times but still not be able to get the response, an error will be thrown.
network_timeout	
	Numeric. Number of seconds to wait for a REST response until giving up. Can not be less than 1 ms.
region	Character. The region of the AWS service.

Value

A list object or a character vector

resourceArn

The Amazon Resource Name (ARN) of the resource to which to add tags. Currently, the supported resources are Amazon ECS capacity providers, tasks, services, task definitions, clusters, and container instances.

tags

The tags to add to the resource. A tag is an array of key-value pairs.

The following basic restrictions apply to tags:

- Maximum number of tags per resource - 50

- For each resource, each tag key must be unique, and each tag key can have only one value.

- Maximum key length - 128 Unicode characters in UTF-8

- Maximum value length - 256 Unicode characters in UTF-8

- If your tagging schema is used across multiple services and resources, remember that other services may have restrictions on allowed characters. Generally allowed characters are: letters, numbers, and spaces representable in UTF-8, and the following characters: + - = . _ : / @.

- Tag keys and values are case-sensitive.

- Do not use aws:, AWS:, or any upper or lowercase combination of such as a prefix for either keys or values as it is reserved for AWS use. You cannot edit or delete tag keys or values with this prefix. Tags with this prefix do not count against your tags per resource limit.

---

ecs_untag_resource   *Untag Resource*

Description

Deletes specified tags from a resource.

Usage

```
ecs_untag_resource(
  resourceArn = NULL,
  tagKeys = NULL,
  simplify = TRUE,
  others = list(),
  print_on_error = aws_get_print_on_error(),
  retry_time = aws_get_retry_time(),
  network_timeout = aws_get_network_timeout(),
  region = aws_get_region()
)
```

Arguments

resourceArn	Character. The Amazon Resource Name (ARN) of the resource from which to delete tags.
tagKeys	List. The keys of the tags to be removed.
simplify	Logical. Whether to simplify the result and handle nextToken in the response[optional]
others	Named list. The parameters that are not included in the function parameters and need to be added into the request[optional]
print_on_error	Logical. Whether to show an error message when a network error occurs.
retry_time	Integer. Number of retries for a REST request when encounter the network issue. If the request has been sent retry_time times but still not be able to get the response, an error will be thrown.
network_timeout	
	Numeric. Number of seconds to wait for a REST response until giving up. Can not be less than 1 ms.
region	Character. The region of the AWS service.

Value

A list object or a character vector

resourceArn

The Amazon Resource Name (ARN) of the resource from which to delete tags. Currently, the supported resources are Amazon ECS capacity providers, tasks, services, task definitions, clusters, and container instances.

tagKeys

    The keys of the tags to be removed.

---

  ecs_update_capacity_provider

Update Capacity Provider

Description

    Modifies the parameters for a capacity provider.

Usage

```
ecs_update_capacity_provider(
  name = NULL,
  autoScalingGroupProvider = NULL,
  simplify = TRUE,
  others = list(),
  print_on_error = aws_get_print_on_error(),
  retry_time = aws_get_retry_time(),
  network_timeout = aws_get_network_timeout(),
  region = aws_get_region()
)
```

Arguments

name	Character. The name of the capacity provider to update.
autoScalingGroupProvider	
	Object. An object representing the parameters to update for the Auto Scaling group capacity provider.
simplify	Logical. Whether to simplify the result and handle nextToken in the response[optional]
others	Named list. The parameters that are not included in the function parameters and need to be added into the request[optional]
print_on_error	Logical. Whether to show an error message when a network error occurs.
retry_time	Integer. Number of retries for a REST request when encounter the network issue. If the request has been sent retry_time times but still not be able to get the response, an error will be thrown.
network_timeout	
	Numeric. Number of seconds to wait for a REST response until giving up. Can not be less than 1 ms.
region	Character. The region of the AWS service.

Value

    A list object or a character vector

name

> The name of the capacity provider to update.

autoScalingGroupProvider

> An object representing the parameters to update for the Auto Scaling group capacity provider.

---

ecs_update_cluster_settings

Update Cluster Settings

Description

Modifies the settings to use for a cluster.

Usage

```
ecs_update_cluster_settings(
  cluster = NULL,
  settings = NULL,
  simplify = TRUE,
  others = list(),
  print_on_error = aws_get_print_on_error(),
  retry_time = aws_get_retry_time(),
  network_timeout = aws_get_network_timeout(),
  region = aws_get_region()
)
```

Arguments

cluster	Character. The name of the cluster to modify the settings for.
settings	List. The setting to use by default for a cluster.
simplify	Logical. Whether to simplify the result and handle nextToken in the response[optional]
others	Named list. The parameters that are not included in the function parameters and need to be added into the request[optional]
print_on_error	Logical. Whether to show an error message when a network error occurs.
retry_time	Integer. Number of retries for a REST request when encounter the network issue. If the request has been sent retry_time times but still not be able to get the response, an error will be thrown.
network_timeout	
	Numeric. Number of seconds to wait for a REST response until giving up. Can not be less than 1 ms.
region	Character. The region of the AWS service.

Value

A list object or a character vector

cluster

The name of the cluster to modify the settings for.

settings

The setting to use by default for a cluster. This parameter is used to enable CloudWatch Container Insights for a cluster. If this value is specified, it will override the `containerInsights` value set with PutAccountSetting or PutAccountSettingDefault.

---

ecs_update_container_agent

Update Container Agent

Description

Update Container Agent

Usage

```
ecs_update_container_agent(
  cluster = NULL,
  containerInstance = NULL,
  simplify = TRUE,
  others = list(),
  print_on_error = aws_get_print_on_error(),
  retry_time = aws_get_retry_time(),
  network_timeout = aws_get_network_timeout(),
  region = aws_get_region()
)
```

Arguments

cluster	Character. The short name or full Amazon Resource Name (ARN) of the cluster that your container instance is...
containerInstance	
	Character. The container instance ID or full ARN entries for the container instance on which you would like...
simplify	Logical. Whether to simplify the result and handle `nextToken` in the response[optional]
others	Named list. The parameters that are not included in the function parameters and need to be added into the request[optional]
print_on_error	Logical. Whether to show an error message when a network error occurs.

retry_time	Integer. Number of retries for a REST request when encounter the network issue. If the request has been sent `retry_time` times but still not be able to get the response, an error will be thrown.
network_timeout	
	Numeric. Number of seconds to wait for a REST response until giving up. Can not be less than 1 ms.
region	Character. The region of the AWS service.

Value

A list object or a character vector

cluster

The short name or full Amazon Resource Name (ARN) of the cluster that your container instance is running on. If you do not specify a cluster, the default cluster is assumed.

containerInstance

The container instance ID or full ARN entries for the container instance on which you would like to update the Amazon ECS container agent.

---

ecs_update_container_instances_state
                                Update Container Instances State

---

Description

Update Container Instances State

Usage

```
ecs_update_container_instances_state(
  cluster = NULL,
  containerInstances = NULL,
  status = NULL,
  simplify = TRUE,
  others = list(),
  print_on_error = aws_get_print_on_error(),
  retry_time = aws_get_retry_time(),
  network_timeout = aws_get_network_timeout(),
  region = aws_get_region()
)
```

Arguments

cluster Character. The short name or full Amazon Resource Name (ARN) of the cluster that hosts the container instance...

containerInstances

List. A list of container instance IDs or full ARN entries.

status Character. The container instance state with which to update the container instance.

simplify Logical. Whether to simplify the result and handle nextToken in the response[optional]

others Named list. The parameters that are not included in the function parameters and need to be added into the request[optional]

print_on_error Logical. Whether to show an error message when a network error occurs.

retry_time Integer. Number of retries for a REST request when encounter the network issue. If the request has been sent retry_time times but still not be able to get the response, an error will be thrown.

network_timeout

Numeric. Number of seconds to wait for a REST response until giving up. Can not be less than 1 ms.

region Character. The region of the AWS service.

Value

A list object or a character vector

cluster

The short name or full Amazon Resource Name (ARN) of the cluster that hosts the container instance to update. If you do not specify a cluster, the default cluster is assumed.

containerInstances

A list of container instance IDs or full ARN entries.

status

The container instance state with which to update the container instance. The only valid values for this action are ACTIVE and DRAINING. A container instance can only be updated to DRAINING status once it has reached an ACTIVE state. If a container instance is in REGISTERING, DEREGISTERING, or REGISTRATION_FAILED state you can describe the container instance but will be unable to update the container instance state.

---

ecs_update_service   *Update Service*

Description

Update Service

Usage

```
ecs_update_service(
  cluster = NULL,
  service = NULL,
  desiredCount = NULL,
  taskDefinition = NULL,
  capacityProviderStrategy = NULL,
  deploymentConfiguration = NULL,
  networkConfiguration = NULL,
  placementConstraints = NULL,
  placementStrategy = NULL,
  platformVersion = NULL,
  forceNewDeployment = NULL,
  healthCheckGracePeriodSeconds = NULL,
  simplify = TRUE,
  others = list(),
  print_on_error = aws_get_print_on_error(),
  retry_time = aws_get_retry_time(),
  network_timeout = aws_get_network_timeout(),
  region = aws_get_region()
)
```

Arguments

cluster   Character. The short name or full Amazon Resource Name (ARN) of the cluster
                 that your service is running on.

service   Character. The name of the service to update.

desiredCount   Integer. The number of instantiations of the task to place and keep running in
                 your service.

taskDefinition   Character. The `family` and `revision` (`family:revision`) or full ARN of the
                 task definition to run in your...

capacityProviderStrategy

                 List. The capacity provider strategy to update the service to use.

deploymentConfiguration

                 Object. Optional deployment parameters that control how many tasks run during
                 the deployment and the ordering...

networkConfiguration

                 No description can be found.

placementConstraints

> List. An array of task placement constraint objects to update the service to use.

placementStrategy

> List. The task placement strategy objects to update the service to use.

platformVersion

> Character. The platform version on which your tasks in the service are running.

forceNewDeployment

> Logical. Whether to force a new deployment of the service.

healthCheckGracePeriodSeconds

> Integer. The period of time, in seconds, that the Amazon ECS service scheduler should ignore unhealthy Elastic...

simplify   Logical. Whether to simplify the result and handle `nextToken` in the response[optional]

others   Named list. The parameters that are not included in the function parameters and need to be added into the request[optional]

print_on_error   Logical. Whether to show an error message when a network error occurs.

retry_time   Integer. Number of retries for a REST request when encounter the network issue. If the request has been sent `retry_time` times but still not be able to get the response, an error will be thrown.

network_timeout

> Numeric. Number of seconds to wait for a REST response until giving up. Can not be less than 1 ms.

region   Character. The region of the AWS service.

Value

A list object or a character vector

cluster

The short name or full Amazon Resource Name (ARN) of the cluster that your service is running on. If you do not specify a cluster, the default cluster is assumed.

service

The name of the service to update.

desiredCount

The number of instantiations of the task to place and keep running in your service.

taskDefinition

The `family` and `revision` (`family:revision`) or full ARN of the task definition to run in your service. If a `revision` is not specified, the latest `ACTIVE` revision is used. If you modify the task definition with `UpdateService`, Amazon ECS spawns a task with the new version of the task definition and then stops an old task after the new version is running.

capacityProviderStrategy

The capacity provider strategy to update the service to use.

If the service is using the default capacity provider strategy for the cluster, the service can be updated to use one or more capacity providers as opposed to the default capacity provider strategy. However, when a service is using a capacity provider strategy that is not the default capacity provider strategy, the service cannot be updated to use the cluster\'s default capacity provider strategy.

A capacity provider strategy consists of one or more capacity providers along with the `base` and `weight` to assign to them. A capacity provider must be associated with the cluster to be used in a capacity provider strategy. The PutClusterCapacityProviders API is used to associate a capacity provider with a cluster. Only capacity providers with an `ACTIVE` or `UPDATING` status can be used.

If specifying a capacity provider that uses an Auto Scaling group, the capacity provider must already be created. New capacity providers can be created with the CreateCapacityProvider API operation.

To use a AWS Fargate capacity provider, specify either the `FARGATE` or `FARGATE_SPOT` capacity providers. The AWS Fargate capacity providers are available to all accounts and only need to be associated with a cluster to be used.

The PutClusterCapacityProviders API operation is used to update the list of available capacity providers for a cluster after the cluster is created.

deploymentConfiguration

Optional deployment parameters that control how many tasks run during the deployment and the ordering of stopping and starting tasks.

networkConfiguration

No description can be found.

placementConstraints

An array of task placement constraint objects to update the service to use. If no value is specified, the existing placement constraints for the service will remain unchanged. If this value is specified, it will override any existing placement constraints defined for the service. To remove all existing placement constraints, specify an empty array.

You can specify a maximum of 10 constraints per task (this limit includes constraints in the task definition and those specified at runtime).

placementStrategy

The task placement strategy objects to update the service to use. If no value is specified, the existing placement strategy for the service will remain unchanged. If this value is specified, it will override the existing placement strategy defined for the service. To remove an existing placement strategy, specify an empty object.

You can specify a maximum of five strategy rules per service.

platformVersion

The platform version on which your tasks in the service are running. A platform version is only specified for tasks using the Fargate launch type. If a platform version is not specified, the LATEST platform version is used by default. For more information, see AWS Fargate Platform Versions in the *Amazon Elastic Container Service Developer Guide*.

forceNewDeployment

Whether to force a new deployment of the service. Deployments are not forced by default. You can use this option to trigger a new deployment with no service definition changes. For example, you can update a service\'s tasks to use a newer Docker image with the same image/tag combination (my_image:latest) or to roll Fargate tasks onto a newer platform version.

healthCheckGracePeriodSeconds

The period of time, in seconds, that the Amazon ECS service scheduler should ignore unhealthy Elastic Load Balancing target health checks after a task has first started. This is only valid if your service is configured to use a load balancer. If your service\'s tasks take a while to start and respond to Elastic Load Balancing health checks, you can specify a health check grace period of up to 2,147,483,647 seconds. During that time, the Amazon ECS service scheduler ignores the Elastic Load Balancing health check status. This grace period can prevent the ECS service scheduler from marking tasks as unhealthy and stopping them before they have time to come up.

---

ecs_update_service_primary_task_set

Update Service Primary Task Set

Description

Modifies which task set in a service is the primary task set. Any parameters that are updated on the primary task set in a service will transition to the service. This is used when a service uses the EXTERNAL deployment controller type. For more information, see Amazon ECS Deployment Types in the *Amazon Elastic Container Service Developer Guide*.

Usage

```
ecs_update_service_primary_task_set(
  cluster = NULL,
  service = NULL,
  primaryTaskSet = NULL,
  simplify = TRUE,
  others = list(),
  print_on_error = aws_get_print_on_error(),
  retry_time = aws_get_retry_time(),
  network_timeout = aws_get_network_timeout(),
  region = aws_get_region()
)
```

Arguments

cluster	Character. The short name or full Amazon Resource Name (ARN) of the cluster that hosts the service that the...
service	Character. The short name or full Amazon Resource Name (ARN) of the service that the task set exists in.
primaryTaskSet	Character. The short name or full Amazon Resource Name (ARN) of the task set to set as the primary task set...
simplify	Logical. Whether to simplify the result and handle `nextToken` in the response[optional]
others	Named list. The parameters that are not included in the function parameters and need to be added into the request[optional]
print_on_error	Logical. Whether to show an error message when a network error occurs.
retry_time	Integer. Number of retries for a REST request when encounter the network issue. If the request has been sent `retry_time` times but still not be able to get the response, an error will be thrown.
network_timeout	
	Numeric. Number of seconds to wait for a REST response until giving up. Can not be less than 1 ms.
region	Character. The region of the AWS service.

Value

A list object or a character vector

cluster

The short name or full Amazon Resource Name (ARN) of the cluster that hosts the service that the task set exists in.

service

The short name or full Amazon Resource Name (ARN) of the service that the task set exists in.

primaryTaskSet

The short name or full Amazon Resource Name (ARN) of the task set to set as the primary task set in the deployment.

---

ecs_update_task_set   *Update Task Set*

Description

Modifies a task set. This is used when a service uses the EXTERNAL deployment controller type. For more information, see Amazon ECS Deployment Types in the *Amazon Elastic Container Service Developer Guide*.

Usage

```
ecs_update_task_set(
  cluster = NULL,
  service = NULL,
  taskSet = NULL,
  scale = NULL,
  simplify = TRUE,
  others = list(),
  print_on_error = aws_get_print_on_error(),
  retry_time = aws_get_retry_time(),
  network_timeout = aws_get_network_timeout(),
  region = aws_get_region()
)
```

Arguments

cluster	Character. The short name or full Amazon Resource Name (ARN) of the cluster that hosts the service that the...
service	Character. The short name or full Amazon Resource Name (ARN) of the service that the task set exists in.
taskSet	Character. The short name or full Amazon Resource Name (ARN) of the task set to update.
scale	No description can be found.
simplify	Logical. Whether to simplify the result and handle nextToken in the response[optional]
others	Named list. The parameters that are not included in the function parameters and need to be added into the request[optional]
print_on_error	Logical. Whether to show an error message when a network error occurs.
retry_time	Integer. Number of retries for a REST request when encounter the network issue. If the request has been sent retry_time times but still not be able to get the response, an error will be thrown.
network_timeout	
	Numeric. Number of seconds to wait for a REST response until giving up. Can not be less than 1 ms.
region	Character. The region of the AWS service.

Value

A list object or a character vector

cluster

The short name or full Amazon Resource Name (ARN) of the cluster that hosts the service that the task set exists in.

service

The short name or full Amazon Resource Name (ARN) of the service that the task set exists in.

taskSet

The short name or full Amazon Resource Name (ARN) of the task set to update.

scale

No description can be found.

---

list_to_array *Utility functions*

Description

Utility functions. `list_to_array` converts a list or a vector to an Array object in AWS Documentation. `list_to_filter` converts a filter list to an Array object.

Usage

```
list_to_array(prefix, x)

list_to_filter(x)
```

Arguments

prefix	Character, the name of the parameter
x	List or Vector, the value of the parameter

Value

A list object

Examples

```
vpc_id = c("vpc-081ec835f3", "vpc-0ee975135d", "vpc-06e4ab6c6c")
list_to_array("VpcId", vpc_id)

filter = list(`dhcp-options-id` = c("dopt-7a8b9c2d", "dopt-2b2a3d3c"), state="available")
list_to_filter(filter)
```

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