Package 'bracer'

May 19, 2021

Title Brace Expansions

Version 1.2.1

Description Performs brace expansions on strings. Made popular by Unix shells, brace expansion allows users to concisely generate certain character vectors by taking a single string and (recursively) expanding the comma-separated lists and double-period-separated integer and character sequences enclosed within braces in that string. The double-period-separated numeric integer expansion also supports padding the resulting numbers with zeros.

URL <https://trevorldavis.com/R/bracer/>,

<https://github.com/trevorld/bracer>

BugReports <https://github.com/trevorld/bracer/issues>

Imports stringr

License MIT + file LICENSE

Encoding UTF-8

Suggests testthat, V8

RoxygenNote 7.1.1

NeedsCompilation no

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Repository CRAN

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R topics documented:

| expand_braces | *Bash-style brace expansion* |

Description

expand_braces performs brace expansions on strings, str_expand_braces is an alternate function that returns a list of character vectors. Made popular by Unix shells, brace expansion allows users to concisely generate certain character vectors by taking a single string and (recursively) expanding the comma-separated lists and double-period-separated integer and character sequences enclosed within braces in that string. The double-period-separated numeric integer expansion also supports padding the resulting numbers with zeros.

Usage

```
expand_braces(string, engine = getOption("bracer.engine", NULL))

str_expand_braces(string, engine = getOption("bracer.engine", NULL))
```

Arguments

string	input character vector
engine	If 'r' use a pure R parser. If 'v8' use the 'braces' Javascript parser via the suggested V8 package. If NULL use 'v8' if 'V8' package detected else use 'r'; in either case send a message() about the choice unless getOption(bracer.engine.inform') is FALSE.

Value

expand_braces returns a character vector while str_expand_braces returns a list of character vectors.

Examples

```
expand_braces("Foo{A..F}", engine = "r")
expand_braces("Foo{01..10}", engine = "r")
expand_braces("Foo{A..E..2}{1..5..2}", engine = "r")
expand_braces("Foo{-01..1}", engine = "r")
expand_braces("Foo{{d..d},{bar,biz}}.{py,bash}", engine = "r")
expand_braces(c("Foo{A..F}", "Bar.{py,bash}", "{{Biz}}"), engine = "r")
str_expand_braces(c("Foo{A..F}", "Bar.{py,bash}", "{{Biz}}"), engine = "r")
```

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glob   *Brace and Wildcard expansion on file paths*

Description

glob is a wrapper around Sys.glob that uses expand_braces to support both brace and wildcard expansion on file paths.

Usage

```
glob(paths, ..., engine = getOption("bracer.engine", NULL))
```

Arguments

paths   character vector of patterns for relative or absolute filepaths.

...   Passed to Sys.glob

engine   If 'r' use a pure R parser. If 'v8' use the 'braces' Javascript parser via the suggested V8 package. If NULL use 'v8' if 'V8' package detected else use 'r'; in either case send a message() about the choice unless getOption(bracer.engine.inform') is FALSE.

Examples

```
dir <- system.file("R", package="bracer")
path <- file.path(dir, "*.{R,r,S,s}")
glob(path, engine = "r")
```

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