

Package ‘bracer’

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Title Brace Expansions

Version 1.2.2

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

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Encoding UTF-8

Suggests knitr, rmarkdown, testthat, V8

VignetteBuilder knitr, rmarkdown

RoxygenNote 7.1.1

NeedsCompilation no

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expand_braces	<i>Bash-style brace expansion</i>
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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")
```

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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