Package ‘pathlibr’

February 22, 2019

Title  OO Path Manipulation in R
Version  0.1.0
Description  An OO Interface for path manipulation, emulating pythons
``pathlib``.
License  MIT + file LICENSE
Encoding  UTF-8
LazyData  true
Imports  R6, magrittr, glue (>= 1.3.0), logging, rlang, purrr
RoxygenNote  6.1.1
Suggests  testthat, knitr, rmarkdown
VignetteBuilder  knitr
NeedsCompilation  no
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Repository  CRAN
Date/Publication  2019-02-22 14:40:06 UTC

R topics documented:

Path ......................................................... 2
Path$........................................................ 2
Path$.. ..................................................... 3
Path$dir .................................................... 3
Path$join .................................................. 4
Path$name .................................................. 4
Path$new ................................................... 5
Path$parent ................................................ 5
Path$show .................................................. 6
%//% ......................................................... 6

Index  

8
Path

OO Path Navigator

Description

OO Path Navigator

Usage

Path

Format

An object of class R6ClassGenerator of length 24.

See Also

Other Path: Path$, Path$, Path$dir, Path$join, Path$name, Path$new, Path$parent, Path$show, %//%

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Path$.  Get the elements in the directory

Description

Returns a named list of Path elements in a directory

See Also

Other Path: Path$, Path$dir, Path$join, Path$name, Path$new, Path$parent, Path$show, Path, %//%
Path$..

Get the parent of the current Path

Description

Get the parent of the current Path

Value

a new Path object, corresponding to the parent of the calling Path

See Also

Other Path: Path$., Path$dir, Path$join, Path$name, Path$new, Path$parent, Path$show, Path,%//%

Examples

```r
path <- Path$new("root/parent/path")
print(glue::glue("path : {path$show}",
                 "parent : {path$parent$show}",
                 ".  : {path$..$show}",
                 .sep = "\n")
```

Path$dir

Get the elements in the directory

Description

Returns a named list of Path elements in a directory

See Also

Other Path: Path$., Path$., Path$join, Path$name, Path$new, Path$parent, Path$show, Path,%//%
Path$join  

Join two path components

**Description**

Given two path components, join them and return a new Path object

**Arguments**

other  
the path component to join on the RHS. Can be any object coercible to character, including Path

**Value**

A new Path object resulting from the joined paths

**See Also**

Other Path: Path$, .Path$, .Path$dir, .Path$name, .Path$new, .Path$parent, .Path$show, Path, %//%

**Examples**

```r
{  
  path <- .Path$new("some/path")
  path$join("other/path")
}
```

Path$name  

Get the name of the last element in the path (Incl. extension)

**Description**

Get the name of the last element in the path (Incl. extension)

**Value**

the string corresponding to the path’s name

**See Also**


**Examples**

```r
path <- .Path$new("path/to/some/element")
path$name
```
Path$new

**Description**

Initialize a Path object using a string

**Arguments**

- **path**
  
  the path string to Path should refer to

**Value**

a new Path object, corresponding to the supplied string

**See Also**

Other Path: `Path$..`, `Path$..`, `Path$dir`, `Path$join`, `Path$name`, `Path$parent`, `Path$show`, `Path`, `%//%`

**Examples**

```r
Path$new("path/components/as/string")
```

---

Path$parent

**Get the parent of the current Path**

**Description**

Get the parent of the current Path

**Value**

a new Path object, corresponding to the parent of the calling Path

**See Also**

Other Path: `Path$..`, `Path$..`, `Path$dir`, `Path$join`, `Path$name`, `Path$new`, `Path$show`, `Path`, `%//%`

**Examples**

```r
path <- Path$new("root/parent/path")
print(glue::glue("path : {path$show}", 
    "parent : {path$parent$show}", 
    ". : {path$..$show}", 
    .sep = "\n")
```
Path$show

*Show the entire path as a string*

Description

Returns the path as a string

Value

the path as a string

See Also

Other Path: `Path$.., Path$, Path$dir, Path$join, Path$name, Path$new, Path$parent, Path, %//%`


%

%

Join two paths

Description

Join two path components in the "natural" way, as you would expect to using a / operator. lhs and rhs may be any object that implements the as.character S3 method, including Path

Usage

lhs %//% rhs

Arguments

lhs

the path component(s) to be joined on lhs

rhs

path components(s) to be joined on rhs

Value

a new Path object (or vector of) corresponding to the joined elements

See Also

Other Path: `Path$.., Path$, Path$dir, Path$join, Path$name, Path$new, Path$parent, Path$show, Path`
Examples

```r
path <- Path$new("root/parent/name")
child <- path %//% "child"
print(glue::glue("path: {path$show}
  "child: {child$show}",
  .sep = "\n")
```
Index

*Topic datasets
  Path, 2
  %//%, 2–6, 6

Path, 2, 2, 3–6
Path$. ., 2, 2, 3–6
Path$. ., 2, 3, 3, 4–6
Path$dir, 2, 3, 3, 4–6
Path$join, 2–4, 4, 5, 6
Path$name, 2–4, 4, 5, 6
Path$new, 2–5, 5, 6
Path$parent, 2–5, 5, 6
Path$show, 2–6, 6