

Package ‘R62S3’

May 24, 2019

Title Automatic S3 Method Generation from R6

Version 1.2.1

Description After defining an R6 class, R62S3 is used to automatically generate S3 generics and methods for dispatch. Also allows piping for R6 objects.

Depends R (>= 3.4.0)

Imports checkmate

Suggests testthat, R6, pkgdown

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Encoding UTF-8

LazyData true

RoxygenNote 6.1.1

URL <https://github.com/RaphaelS1/R62S3/>

BugReports <https://github.com/RaphaelS1/R62S3/issues>

NeedsCompilation no

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R62S3

S3 Method Generator from R6 Class

Description

Auto-generates S3 generics and public methods from an R6 Class.

Usage

```
R62S3(R6Class, dispatchClasses = list(R6Class), assignEnvir = parent.env(environment()))
```

Arguments

R6Class	R6ClassGenerator to generate public methods from
dispatchClasses	list of classes to assign S3 dispatch methods on
assignEnvir	environment in which to assign the S3 generics/methods, default is parent of current environment.

Details

Searches in a given R6 class for all public methods that are not 'initialize' or 'clone'. For each method if a generic does not already exist, one is created and assigned to the given environment. Methods are created for every generic, following standard S3 convention.

Value

Assigns methods and generics to the chosen environment.

Examples

```
printMachine <- R6::R6Class("printMachine",  
  public = list(initialize = function() {},  
  printer = function(str) {print(str)}))  
pm <- printMachine$new()  
R62S3(printMachine, assignEnvir = .GlobalEnv)  
pm$printer("Test String A")  
printer(pm, "Test String B")
```

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