

Package ‘semverutils’

October 14, 2022

Title Semantic Version Utilities

Version 0.1.0

Description Semantic Versions allow for standardized management versions.
This package implements semantic versioning handling in R. using R6 to create a mutable object that can handle deciphering and checking versions.

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URL <https://github.com/ajwtech/semverutils>

BugReports <https://github.com/ajwtech/semverutils/issues>

Encoding UTF-8

LazyData true

Imports R6, foreach

Suggests roxygen2, testthat (>= 2.1.0)

RoxygenNote 7.0.2

NeedsCompilation no

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Repository CRAN

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R topics documented:

semVer	2
Index	4

semVer	<i>semVer is an R6 class to create an object for working with Semantic versioning</i>
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Description

semVer is an R6 class to create an object for working with Semantic versioning

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Public fields

SemVerVersion version of semantic versioning rules to be followed currently only version 2.0.0 is supported.

Methods

Public methods:

- [semVer\\$higherThanAll\(\)](#)
- [semVer\\$new\(\)](#)
- [semVer\\$clone\(\)](#)

Method `higherThanAll()`: `higherThanAll()` test if the vector of versions passed in are all lower than this object

Usage:

```
semVer$higherThanAll(versions)
```

Arguments:

versions character vector of semantically formatted version numbers

Returns: atomic boolean

Examples:

```
sem <- semVer$new("3.0.0")
sem$higherThanAll(c("2.0.2", "0.1.0"))
```

Method `new()`: initializes a new semVer object with the version supplied

Usage:

```
semVer$new(version = "", SemVerVersion = "2.0.0")
```

Arguments:

version character of semantically formatted version numbers

SemVerVersion defaults to "2.0.0" no other options currently available.

Returns: semVer object holding version data

Examples:

```
sem <- semVer$new("3.0.0")
```

Method clone(): The objects of this class are cloneable with this method.

Usage:

```
semVer$clone(deep = FALSE)
```

Arguments:

deep Whether to make a deep clone.

Examples

```
## -----  
## Method `semVer$higherThanAll`  
## -----  
  
sem <- semVer$new("3.0.0")  
sem$higherThanAll(c("2.0.2", "0.1.0"))  
  
## -----  
## Method `semVer$new`  
## -----  
  
sem <- semVer$new("3.0.0")
```

Index

semVer, [2](#)