

Package ‘namespace’

February 20, 2015

Type Package

Title Provide namespace management functions not (yet) present in base R

Version 0.9.1

Date 2012-09-19

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Description This package provides user-level functions to manage namespaces not (yet) available in base R: 'registerNamespace', 'unregisterNamespace', 'makeNamespace', and 'getRegisteredNamespace' ('makeNamespaces' is extracted from the R 'base' package source code: src/library/base/R/namespace.R)

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namespace-package *Namespace managment functions*

Description

This package provides user-level functions to manage namespaces not (yet) available in base R.

Details

Package: namespace
Type: Package
Version: 1.0
Date: 2012-09-13
License: GPL-2

Author(s)

Winston Chang, Daniel Adler, Hadley Wickham, Gregory R. Warnes, some code from the R 'base' package.

Maintainer: Gregory R. Warnes <greg@warnes.net>

See Also

[ns-internal](#)

namespace *Create, register, obtain a reference to, and unregister namespaces*

Description

User-level functions to manage namespaces not (yet) available in base R.

Usage

```
registerNamespace(name=NULL, env=NULL)
unregisterNamespace(name=NULL)
makeNamespace(name, version=NULL, lib=NULL)
getRegisteredNamespace(name)
```

Arguments

name	string
env	namespace environment
version	version
lib	string naming the package/namespace to load

Details

registerNamespace creates a new namespace entry with the provided environment.

unregisterNamespace removes an existing namespace.

makeNamespace creates a new namespace.

getRegisteredNamespace returns the specified namespace, or NULL if it is not loaded. (In R 2.16.0 this is just a wrapper for `base::getNamespace`).

Note

These functions provide support for namespaces needed by some low-level packages (e.g. devtools and rdynload) requested by their respective authors.

Author(s)

Winston Chang, Daniel Adler, Hadley Wickham, Gregory R. Warnes, and code from the R 'base' package.

References

R-devel mailing list topic "[Rd] makeNamespace and rdyncall", Dec. 2011: <https://stat.ethz.ch/pipermail/r-devel/2011-December/062838.html>

R-devel mailing list topic "[Rd] rdyncall fears removal from CRAN", Aug 2012: <https://stat.ethz.ch/pipermail/r-devel/2012-August/064659.html>

See Also

[ns-internal](#)

Examples

```
## Get a reference to the namespace for the 'base' package
getRegisteredNamespace("base")

## Create a namespace, and stuff something into it.
ns <- makeNamespace("myNamespace")
assign("test",7, env=ns)
ls(env=ns)

## Now grab a reference to the namespace we just defined
ns2 <- getNamespace("myNamespace")
```

```
## Now unregister the namespace
unregisterNamespace("myNamespace")

## Returns NULL if it is no longer defined
getRegisteredNamespace("myNamespace")
```

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