

Package ‘bigmemory.sri’

November 9, 2022

Type Package

Title A Shared Resource Interface for Bigmemory Project Packages

Version 0.1.6

Author Michael J. Kane

Maintainer Michael J. Kane <bigmemoryauthors@gmail.com>

Contact Michael J. Kane <bigmemoryauthors@gmail.com>

Description A shared resource interface for the bigmemory and synchronicity packages.

Encoding UTF-8

Language en-US

License LGPL-3 | Apache License 2.0

Enhances bigmemory

Imports methods

RoxygenNote 7.2.1

NeedsCompilation no

Repository CRAN

Date/Publication 2022-11-09 14:50:05 UTC

R topics documented:

bigmemory.sri-package	2
attach.resource	2
describe	3

Index	5
--------------	----------

bigmemory.sri-package *A Shared Resource Interface for Bigmemory Project Packages*

Description

A shared resource interface for the bigmemory and synchronicity packages.

Details

Package: bigmemory.sri
Type: Package
Version: 0.1.4
License: LGPL-3 | Apache License 2.0

Both the bigmemory and synchronicity package use a common interface for using a computer's shared resources. Previously the package checked to see if the other package was loaded and if it was not the interface was loaded. However, this approach relied on a .Internal call in the zzz.R file. However, due to recent changes in CRAN policy this approach has become verboten. The bigmemory.sri package was created to handle this interface dependency without violating CRAN package guidelines

Author(s)

Michael J. Kane

Maintainer: Michael J. Kane <bigmemoryauthors@gmail.com>

See Also

[bigmemory](#)

attach.resource *Create an Object that Makes Use of a Shared Resource*

Description

This generic function should be used to attach to a system-wide shared resource on a computer. It is used by other packages.

Usage

```
attach.resource(obj, ...)
```

Arguments

obj a descriptor object describing the location and type of a shared resource.
 ... other information needed for object-specific attaching.

Value

An R object that makes use of a share resource. # Create a concrete function. `setMethod("attach.resource", signature(x="NULL"), function (obj, ...) NULL)`
)
 # Describe it `attach.resource(NULL)`

 describe

Create a Description of a Shared Resource

Description

This generic function should be used for creating a description of a shared resource and is used in conjunction with `attache.resource` to utilize shared resources from an R session.

Usage

```
describe(x)
```

Arguments

x the object to create the descriptor for.

Value

A user-defined description of a shared resource.

See Also

[`bigmemory.sri::attach.resource()`]

Examples

```
# Create a concrete function.
setMethod(
  "describe",
  signature(x = "list"),
  function (x) {
    print(x$value)
  }
)

# Create an object to describe.
```

```
tst = list(loc = "in_ram_not_shared", value = "hello world")  
  
# Describe it  
describe(tst)
```

Index

`attach.resource`, [2](#)

`bigmemory`, [2](#)

`bigmemory.sri` (`bigmemory.sri-package`), [2](#)

`bigmemory.sri-package`, [2](#)

`describe`, [3](#)