Package 'Rhdf5lib'

October 16, 2025

Type Package

Title hdf5 library as an R package

Version 1.30.0

Description Provides C and C++ hdf5 libraries.

License Artistic-2.0

Copyright src/hdf5/COPYING

LazyLoad true

VignetteBuilder knitr

Depends R (>= 4.2.0)

Suggests BiocStyle, knitr, rmarkdown, tinytest, mockery

URL https://github.com/Huber-group-EMBL/Rhdf5lib

BugReports https://github.com/Huber-group-EMBL/Rhdf5lib/issues

SystemRequirements GNU make

Encoding UTF-8

biocViews Infrastructure

RoxygenNote 7.1.2

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`.getDynamicLinks` *Return the link flags determined when HDF5 was configured*

Description

Return the link flags determined when HDF5 was configured

Usage

```
.getDynamicLinks()
```

`.getSzipLoc` *If we compiled our own version of SZIP this returns the link path Otherwise it returns an empty string.*

Description

If we compiled our own version of SZIP this returns the link path Otherwise it returns an empty string.

Usage

```
.getSzipLoc(path)
```

getHdf5Version *Report the version of HDF5 distributed with this package*

Description

This function returns the version number of the HDF5 library that is distributed with this package.

Usage

```
getHdf5Version()
```

Value

Returns a `character` vector of length 1 containing the version number.

Examples

```
getHdf5Version()
```

pkgconfig *Compiler arguments for using Rhdf5lib*

Description

This function returns values for `PKG_LIBS` variables for use in Makevars files.

Usage

```
pkgconfig(
  opt = c("PKG_CXX_LIBS", "PKG_C_LIBS", "PKG_CXX_HL_LIBS", "PKG_C_HL_LIBS")
)
```

Arguments

`opt`	A scalar character from the list of available options; default is `PKG_CXX_LIBS`. Valid options are `PKG_C_LIBS`, `PKG_CXX_LIBS`, `PKG_C_HL_LIBS` and `PKG_CXX_HL_LIBS`, where `HL` indicates that you want to include the HDF5 'high-level' API and `CXX` denotes including the C++ interface.

Value

`NULL`; prints the corresponding value to stdout.

Examples

```
pkgconfig("PKG_C_LIBS")
pkgconfig("PKG_CXX_LIBS")
pkgconfig("PKG_C_HL_LIBS")
pkgconfig("PKG_CXX_HL_LIBS")
```

Rhdf5lib *Rhdf5lib: A version of the HDF5 library built into an R package.*

Description

This package provides a compiled version of the HDF5 library bundled within the R package structure. It is primarily useful to developers of other R packages who want to make use of the capabilities of the HDF5 library directly in the C or C++ code of their own packages, rather than using a higher level interface.

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