

Package ‘Rhdf5lib’

December 19, 2025

Type Package

Title hdf5 library as an R package

Version 1.33.0

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

git_url <https://git.bioconductor.org/packages/Rhdf5lib>

git_branch devel

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.getDynamicLinks	<i>Return the link flags determined when HDF5 was configured</i>
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Description

Return the link flags determined when HDF5 was configured

Usage

.getDynamicLinks()

.getSzipLoc	<i>If we compiled our own version of SZIP this returns the link path Otherwise it returns an empty string.</i>
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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.
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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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* **internal**

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