

Package ‘Rhdf5lib’

May 4, 2026

Type Package

Title hdf5 library as an R package

Version 2.1.0

Description Provides C and C++ hdf5 libraries.

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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>

LinkingTo biocmake

NeedsCompilation yes

Encoding UTF-8

biocViews Infrastructure

RoxygenNote 7.3.3

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

git_branch devel

git_last_commit c893d84

git_last_commit_date 2026-04-28

Repository Bioconductor 3.24

Date/Publication 2026-05-03

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getHdf5Version	<i>Report the version of HDF5 distributed with this package</i>
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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	<i>Compiler arguments for using Rhdf5lib</i>
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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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- Mike Smith ([ORCID](#)) [contributor]
- The HDF Group [copyright holder]

See Also

Useful links:

- <https://github.com/Huber-group-EMBL/Rhdf5lib>
- Report bugs at <https://github.com/Huber-group-EMBL/Rhdf5lib/issues>

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