

# Package ‘Rhdf5lib’

September 25, 2024

**Type** Package

**Title** hdf5 library as an R package

**Version** 1.27.0

**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/grimbough/Rhdf5lib>

**BugReports** <https://github.com/grimbough/Rhdf5lib>

**SystemRequirements** GNU make

**Encoding** UTF-8

**biocViews** Infrastructure

**RoxygenNote** 7.1.2

**git\_url** <https://git.bioconductor.org/packages/Rhdf5lib>

**git\_branch** devel

**git\_last\_commit** 84f4182

**git\_last\_commit\_date** 2024-04-30

**Repository** Bioconductor 3.20

**Date/Publication** 2024-09-24

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<code>.getDynamicLinks</code>	<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()
```

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<code>.getSzipLoc</code>	<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)
```

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<code>getHdf5Version</code>	<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()
```

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pkgconfig

*Compiler arguments for using Rhdf5lib*

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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.

### 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")
```

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Rhdf5lib

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

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### 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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