

# Package ‘Rhdf5lib’

March 26, 2024

**Type** Package

**Title** hdf5 library as an R package

**Version** 1.24.2

**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** RELEASE\_3\_18

**git\_last\_commit** f4cab37

**git\_last\_commit\_date** 2024-02-07

**Repository** Bioconductor 3.18

**Date/Publication** 2024-03-25

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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()

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|             |  |
|-------------|--|
| .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)

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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()
```

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|           |  |
|-----------|--|
| 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. |
|-----|---|

**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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