

# Package ‘Rhdf5lib’

February 22, 2024

**Type** Package

**Title** hdf5 library as an R package

**Version** 1.25.1

**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** a09fed0

**git\_last\_commit\_date** 2023-12-11

**Repository** Bioconductor 3.19

**Date/Publication** 2024-02-21

**Author** Mike Smith [ctb, cre] (<<https://orcid.org/0000-0002-7800-3848>>),  
The HDF Group [cph]

**Maintainer** Mike Smith <[grimbough@gmail.com](mailto:grimbough@gmail.com)>

## Contents

.getDynamicLinks . . . . .	2
.getSzipLoc . . . . .	2
getHdf5Version . . . . .	3
pkgconfig . . . . .	3
Rhdf5lib . . . . .	4
<b>Index</b>	<b>5</b>

---

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

---

### 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>
-------------	--

---

### Description

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

### Usage

```
.getSzipLoc(path)
```

---

getHdf5Version	<i>Report the version of HDF5 distributed with this package</i>
----------------	---

---

**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>
-----------	--

---

**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.

# Index

\* **internal**

  .getDynamicLinks, [2](#)

  .getSzipLoc, [2](#)

.getDynamicLinks, [2](#)

.getSzipLoc, [2](#)

getHdf5Version, [3](#)

pkgconfig, [3](#)

Rhdf5lib, [4](#)