Package ‘Rhdf5lib’

May 30, 2024

Type Package
Title hdf5 library as an R package
Version 1.26.0
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 RELEASE_3_19
git_last_commit 9755392
git_last_commit_date 2024-04-30
Repository Bioconductor 3.19
Date/Publication 2024-05-29
Author Mike Smith [ctb, cre] (<https://orcid.org/0000-0002-7800-3848>),
The HDF Group [cph]
Maintainer Mike Smith <grimbough@gmail.com>
Contents

- `.getDynamicLinks` .......................................................... 2
- `.getSzipLoc` .................................................................. 2
- `getHdf5Version` ............................................................... 3
- `pkgconfig` ...................................................................... 3
- `Rhdf5lib` ....................................................................... 4

Index .................................................................................. 5

---

`.getDynamicLinks`  
*Return the link flags determined when HDF5 was configured*

---

Description

Return the link flags determined when HDF5 was configured

Usage

```
.getDynamicLinks()
```

---

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

---

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
Compile 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.

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")

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