Package ‘Rhdf5lib’

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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

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**.getDynamicLinks**

*Return the link flags determined when HDF5 was configured*

**Description**

Return the link flags determined when HDF5 was configured

**Usage**

`.getDynamicLinks()`

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**.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**

```r
getHdf5Version()
```

**Value**

Returns a character vector of length 1 containing the version number.

**Examples**

```r
getHdf5Version()
```

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**pkgconfig**

Compiler arguments for using Rhdf5lib

**Description**

This function returns values for PKG_LIBS variables for use in Makevars files.

**Usage**

```r
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

```r
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.
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