Package ‘RcppGetconf’

Type Package
Title 'Rcpp' Interface for Querying System Configuration Variables
Version 0.0.3
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Description The 'getconf' command-line tool provided by 'libc' allows
querying of a large number of system variables. This package provides
similar functionality.
URL http://dirk.eddelbuettel.com/code/rcpp.getconf.html
BugReports https://github.com/eddelbuettel/rcppgetconf/issues
Imports Rcpp
LinkingTo Rcpp
SystemRequirements A POSIX system. Currently Linux and OS X are known
to work.
OS_type unix
License GPL (>= 2)
Encoding UTF-8
RoxygenNote 6.0.1
NeedsCompilation yes
Repository CRAN
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R topics documented:

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getAll

Return all System Configuration Settings

Description
Retrieve all configuration settings

Usage
getAll(path = ".")

Arguments
path An optional character object specifying a path. Default is the current directory.

Details
This function returns all configuration settings which can be queried in a data.frame object. The
system-level functions sysconf, pathconf and confstr provide all the underlying information.

Value
A data.frame with three columns for key, value and (source) type. Not all keys return a value; in
those cases an empty string is returned. Type is one of path, sys and conf and signals how the
value was obtained.

Author(s)
Dirk Eddelbuettel

See Also
getConfig

Examples
if (Sys.info()$sysname != "SunOS") {
  head(getAll(), 30)
  subset(getAll(), type="path")
}
getConfig  

Return a System Configuration Setting

Description
Retrieve one configuration setting

Usage
getConfig(var, path = ".")

Arguments
- var: An character object specifying a value for which configuration is queried.
- path: An optional character object specifying a path. Default is the current directory.

Details
This function returns the configuration setting for a given input in a data.frame object. The system-level functions sysconf, pathconf and confstr provide the underlying information.

Value
A result value corresponding to the requested setting. The return type can be either integer for a numeric value, character for text or NULL in case the value could be retrieved.

Author(s)
Dirk Eddelbuettel

See Also
getAll

Examples
if (Sys.info()[["sysname"]]!= "SunOS") {
    getConfig("_NPROCESSORS_CONF")  # number of processor
    getConfig("LEVEL1_ICACHE_SIZE")  # level 1 cache size
    getConfig("GNU_LIBC_VERSION")  # libc version
}
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