

# Package ‘RcppGetconf’

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**Type** Package

**Title** 'Rcpp' Interface for Querying System Configuration Variables

**Version** 0.0.3

**Date** 2018-11-16

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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

**Date/Publication** 2018-11-16 13:40:02 UTC

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getAll	<i>Return all System Configuration Settings</i>
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### Description

Retrieve all configuration settings

### Usage

```
getAll(path = ".")
```

### Arguments

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

### Details

This functions 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 colums 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")  
}
```

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getConfig	<i>Return a System Configuration Setting</i>
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**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 functions 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 to 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") # leve1 cache size  
  getConfig("GNU_LIBC_VERSION") # libc version  
}
```

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