

# Package ‘RcppRedis’

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**Type** Package

**Title** 'Rcpp' Bindings for 'Redis' using the 'hiredis' Library

**Version** 0.1.7

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**Description** Connection to the 'Redis' key/value store using the C-language client library 'hiredis'. 'MsgPack' encoding is optional if the 'RcppMsgPack' package is detected. You can install via from the 'ghrr' drat repository listed below.

**SystemRequirements** The hiredis library (eg via package libhiredis-dev on Debian/Ubuntu, hiredis-devel on Fedora/RedHat, or directly from source from <https://github.com/redis/hiredis>) is required. MsgPack support is activated if the (optional) RcppMsgPack package is detected; it can be installed from the ghrr drat (see `Additional_repositories` below).

**License** GPL (>= 2)

**Imports** methods, Rcpp (>= 0.11.0), RApiSerialize

**LinkingTo** Rcpp, RApiSerialize, BH

**Suggests** rredis, RUnit, RcppMsgPack

**Additional\_repositories** <http://ghrr.github.io/drat>

**NeedsCompilation** yes

**Repository** CRAN

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RcppRedis

*Rcpp module using hiredis library to connect R to Redis*

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### **Description**

The Redis module is created using Rcpp modules and wraps a minimal class Redis around an Redis connection context object which permits bi-directional communication with a Redis in-memory database.

New instances can be created using either a default constructor (using localhost and the default port) and either host and port, or just the host.

Currently, the module has just one worker command which sends a string to the Redis instance and returns a string.

The helper functions `serializeToChar()` and `unserializeFromChar` convert R objects to/from a character representation (and internalize the conversion from raw to char representation at the compiled level). The helper functions `serializeToRaw()` and `unserializeFromRaw` convert R objects to/from raw vectors.

### **Details**

Please consult the Redis documentation for details on the available commands. See the Rcpp-modules vignette for details on Rcpp modules.

### **Author(s)**

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