

Package ‘RcppRedis’

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Type Package

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

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Author Dirk Eddelbuettel

Maintainer Dirk Eddelbuettel <edd@debian.org>

Description Connection to the 'Redis' key/value store using the C-language client library 'hiredis' (included as a fallback) with 'MsgPack' encoding provided via 'RcppMsgPack' headers.

SystemRequirements An available 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 preferred but otherwise built on demand.

License GPL (>= 2)

Imports methods, Rcpp (>= 0.11.0), RApiSerialize

LinkingTo Rcpp, RApiSerialize, BH

Suggests RcppMsgPack, rredis, tinytest

NeedsCompilation yes

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RcppRedis

Rcpp module using hiredis library to connect R to Redis

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)

Dirk Eddelbuettel <edd@debian.org>

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