Package 'RcppRedis'

September 9, 2017

Type Package

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

Version 0.1.8

Date 2017-09-09

Author Dirk Eddelbuettel <edd@debian.org>

Maintainer Dirk Eddelbuettel <edd@debian.org>

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.

License GPL (>= 2)

Imports methods, Rcpp (>= 0.11.0), RApiSerialize

LinkingTo Rcpp, RApiSerialize, BH

Suggests rredis, RUnit, RcppMsgPack

NeedsCompilation yes

Repository CRAN

Date/Publication 2017-09-09 15:36:41 UTC

R topics documented:

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>

Index