Package 'svHttp'

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Type Package

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Title SciViews GUI API - R HTTP server

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Depends R (>= 2.11.0)

Imports tools, svMisc (>= 0.9-68)

Suggests svSocket

Description Implements a simple HTTP server allowing to connect GUI clients to R

License GPL-2

URL http://www.sciviews.org/SciViews-R

BugReports https://r-forge.r-project.org/tracker/?group_id=194

NeedsCompilation no

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R topics documented:

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svHttp-package *SciViews GUI API - R HTTP server*

Description

A HTTP server based on default R help HTTP server introduced in R 2.10.0, used for local inter-communication with other programs, like SciViews Komodo (see the svKomodo package). It is mostly compatible with the socket server in svSocket, but does not require Tcl/Tk and the tcltk R package to run.

Details

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startHttpServer *Use the R help HTTP server to serve SciViews Komodo or other clients*

Description

These functions turn the default R help HTTP server into a RJSONp SciViews server (while still serving help pages, of course) for GUI clients like Komodo Edit/IDe with the SciViews-K plugin installed.

Usage

```
startHttpServer(port = HttpServerPort(), name = HttpServerName())
stopHttpServer(remove.clients = FALSE)

HttpServerPort(port)
HttpServerName(name)

HttpClientsNames()
parHttp(client, ...)
```

Arguments

`port`	port on which the server should run (both help and SciViews). By default, it is port 8888. Note that this server runs only locally and can only serve requests from 127.0.0.1.
`name`	the name given to the SciViews server. By default, it is `R`.
`remove.clients`	do we remove also persistent data for the clients, `FALSE` by default.
`client`	the name of one client. A client that does not identify itself is named `default`.
`...`	named arguments specifying options to set or change.

Value

`startHttpServer()`, `stopHttpServer()` and `HttpServerPort()` return an integer indicating the port used. For the last function, it is the port that will be used if the HTTP server is not started yet.

The other functions return a character string or a list with the requested information.

Note

For `HttpServerPort()` and `HttpServerName()`, the argument is optional. If it is specified, the corresponding option is changed, otherwise, the function just returns the current value of the option.

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See Also

startSocketServer

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