Package 'datr'

October 13, 2022

Title 'Dat' Protocol Interface

Version 0.1.0

Description Interface with the 'Dat' p2p network protocol <https://datproject.org>. Clone archives from the network, share your own files, and install packages from the network.

License GPL-3

Depends R (>= 3.1)

Imports devtools,

Suggests covr, testthat

SystemRequirements dat (>= 13.10.0)

ByteCompile true

Encoding UTF-8

LazyData true

RoxygenNote 6.0.1

URL <https://github.com/libscie/datr>

BugReports <https://github.com/libscie/datr/issues>

NeedsCompilation no

Author Chris Hartgerink [aut, cre]

Maintainer Chris Hartgerink <chris@libscie.org>

Repository CRAN

Date/Publication 2018-03-26 09:22:29 UTC

R topics documented:

---

clone_dat   *Clone a Dat link to directory*

Description

Function to clone a Dat link to the machine.

Usage

```
clone_dat(link, dir)
```

Arguments

link	Dat link (always clones latest version now)
dir	Directory to clone to. If non-existent, will create.

Examples

```
## Not run:
  clone_dat(link = 'dat://datr-chris.hashbase.io', dir = tempdir())

## End(Not run)
```

---

cmd_check   *Checking the command to be passed to Dat system call*

Description

Checking the command to be passed to Dat system call

Usage

```
cmd_check(x)
```

Arguments

x	Command to check

---

create_dat	*Create Dat metadata*

Description

Function to create a dat.json interactively, with title and description.

Usage

```
create_dat(dir = ".")
```

Arguments

dir   Directory to create Dat. Defaults to working directory.

Examples

```
create_dat(dir = tempdir())
```

---

datr	*datr: Dat Protocol Interface*

Description

Interface with the 'Dat' p2p network protocol <https://datproject.org>. Clone archives from the network, share your own files, and install packages from the network.

---

dat_install	*Dat install*

Description

Download the released binaries for Dat and add them to your environment. If a more recent version has been released, you can specify it as argument (we try to update it accordingly, but might sometimes have time off!).

Usage

```
dat_install(os = "win", path, ver = "13.10.0")
```

Arguments

os   'win' (Windows), 'mac', or 'linux'

path   Where to install Dat

ver   Version. See <https://github.com/datproject/dat/releases>

Value

NULL. Prints stdout of terminal along the way.

Examples

```
## Not run:
  dat_install(os = 'win')
  dat_install(os = 'macos')
  dat_install(os = 'linux')

## End(Not run)
```

---

install_dat   *Install R package from Dat link*

Description

Directly install an R package from a Dat link.

Usage

```
install_dat(link, dir)
```

Arguments

link   Dat link

dir   Temporary directory to store download in.

Value

Console log.

Examples

```
## Not run:
  install_dat('dat://datr-chris.hashbase.io', dir = tempdir())

## End(Not run)
```

---

log_dat   *Show Dat archive log*

Description

Retrieve log of the Dat folder. You can either retrieve the log of a Dat link (argument `link`) or of a local Dat folder (argument `dir`). Defaults to giving the log of the working directory. If a Dat link is provided, this overrides the `dir` argument.

Usage

```
log_dat(path)
```

Arguments

path   Dat archive, can both be local or on the network.

Value

Console log.

Examples

```
## Not run:
  log_dat(path = '.')
  log_dat(path = 'dat://pastedat-taravancil.hashbase.io')

## End(Not run)
```

---

 pull_dat   *Update Dat folder*

Description

Function to update working directory if it is a Dat folder. This function only receives updates.

Usage

```
pull_dat()
```

Examples

```
## Not run:
  pull_dat()

## End(Not run)
```

---

share_dat *Share folder to network*

Description

Share directory to the Dat network, until aborted. Requires write access to Dat archive.

Usage

```
share_dat(dir = ".")
```

Arguments

dir   Directory to share. Defaults to working directory.

Examples

```
share_dat(dir = tempdir())
```

---

status_dat *Status of the Dat folder*

Description

Get some information Dat folder in the working directory. Includes: Dat link, the number of files, and the current version.

Usage

```
status_dat()
```

Value

Console log.

Examples

```
## Not run:
  status_dat()

## End(Not run)
```

sync_dat

Synchronize with Dat network

Description

Synchronize directory with the Dat network. If write access to the Dat is available, this is equivalent to [share_dat](). If read-only access is available, this is equivalent to [pull_dat]().

Usage

```
sync_dat()
```

Examples

```
## Not run:
  sync_dat()

## End(Not run)
```

Index