

Package ‘datr’

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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.

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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

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clone_dat	<i>Clone a Dat link to directory</i>
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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	<i>Checking the command to be passed to Dat system call</i>
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Description

Checking the command to be passed to Dat system call

Usage

```
cmd_check(x)
```

Arguments

x	Command to check
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create_dat	<i>Create Dat metadata</i>
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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	<i>datr: Dat Protocol Interface</i>
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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	<i>Dat install</i>
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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	<i>Show Dat archive log</i>
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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

<code>path</code>	Dat archive, can both be local or on the network.
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Value

Console log.

Examples

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

pull_dat	<i>Update Dat folder</i>
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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	<i>Share folder to network</i>
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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	<i>Status of the Dat folder</i>
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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	<i>Synchronize with Dat network</i>
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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)
```

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