

# Package ‘datr’

May 8, 2026

**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](mailto:chris@libscie.org)>

**Repository** CRAN

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

## Contents

clone_dat . . . . .	2
cmd_check . . . . .	2
create_dat . . . . .	3
datr . . . . .	3
dat_install . . . . .	3

install_dat . . . . .	4
log_dat . . . . .	5
pull_dat . . . . .	5
share_dat . . . . .	6
status_dat . . . . .	6
sync_dat . . . . .	7

<b>Index</b>	<b>8</b>
--------------	----------

---

clone_dat	<i>Clone a Dat link to directory</i>
-----------	--------------------------------------

---

### 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>
-----------	---

---

### Description

Checking the command to be passed to Dat system call

### Usage

```
cmd_check(x)
```

### Arguments

x	Command to check
---	------------------

---

create_dat	<i>Create Dat metadata</i>
------------	----------------------------

---

**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>
------	-------------------------------------

---

**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>
-------------	--------------------

---

**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 <a href="https://github.com/datproject/dat/releases">https://github.com/datproject/dat/releases</a>

**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>
---------	-----------------------------

---

**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.
-------------------	---

**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>
----------	--------------------------

---

**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>
-----------	--------------------------------

---

**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>
------------	---------------------------------

---

**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>
----------	-------------------------------------

---

**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

clone\_dat, 2  
cmd\_check, 2  
create\_dat, 3

dat\_install, 3  
datr, 3  
datr-package (datr), 3

install\_dat, 4

log\_dat, 5

pull\_dat, 5, 7

share\_dat, 6, 7  
status\_dat, 6  
sync\_dat, 7