
dropme

Release

Mar 23, 2018

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Command Line Interface tool to manage data in Dropbox workspace (based on official [dropbox-sdk-python](#)).

CHAPTER 1

Motivation

Get quick access to the user's Dropbox environment with intuitive commands.

2.1 How to install

From PyPI (stable)

1. Create isolated Python environment `virtualenv venv` and activate it:

```
source venv/bin/activate
```

2. Install dropme with pip:

```
pip install dropme
```

3. Configure dropme client according to [Configuring](#) section

From GitHub (latest)

1. Clone dropme repository:

```
git clone https://github.com/tivaliy/dropme.git.
```

2. Configure `settings.yaml` file (in `dropme/settings.yaml`) or see [configuring](#) section.

```
token: YOUR_DROPBOX_ACCESS_TOKEN
```

3. Create isolated Python environment `virtualenv venv` and activate it:

```
source venv/bin/activate
```

4. Install dropme with all necessary dependencies:

```
pip install -r requirements.txt .
```

2.2 Configuring

2.2.1 Command Bash Completion

To add dropme command bash completion:

```
dropme complete | sudo tee /etc/bash_completion.d/gc.bash_completion  
> /dev/null
```

Restart terminal and activate virtual environment once again.

2.2.2 Dropbox Access Token

To use the dropme client, you'll need to register a new app in the [App Console](#). Select Dropbox API app and choose your app's permission. You'll need to use the app key created with this app to access API v2. You have also to [generate an access token](#) for your own account through the [App Console](#).

There are several ways to specify Dropbox access token in dropme (the order of search matters):

- as an argument of a command:

```
dropme ls -l --token YOUR_DROPBOX_ACCESS_TOKEN
```

- as a environment variable:

```
export DBX_AUTH_TOKEN=YOUR_DROPBOX_ACCESS_TOKEN
```

- in ~/.config/dropme/settings.yaml file
- in dropme/settings.yaml file

2.3 Common Usage

To get help on a specific **dropme** command enter:

```
$ dropme COMMAND --help
```

All **dropme** commands support several global arguments.

CLI tool for managing Dropbox environment.

```
dropme [--version] [-v | -q] [--log-file LOG_FILE] [--debug] [-t TOKEN]
```

--version

show program's version number and exit

-v, --verbose

Increase verbosity of output. Can be repeated.

-q, --quiet

Suppress output except warnings and errors.

--log-file <LOG_FILE>

Specify a file to log output. Disabled by default.

--debug

Show tracebacks on errors.

-t <TOKEN>, **--token** <TOKEN>
Dropbox access token.

The **dropme** client can run in two modes:

- as a standalone application:

```
$ dropme
(dropme) whoami
+-----+
| Field      | Value                |
+-----+
| user       | John Doe             |
| e_mail     | j.doe@example.com    |
| country    | UA                   |
| account_type | basic                |
+-----+
(dropme) ls -l
+-----+-----+-----+-----+
| type | size   | last_modified      | name                |
+-----+-----+-----+-----+
| d    |        |                    | demo/               |
| d    |        |                    | foo/                |
| d    |        |                    | dummy/              |
| -    | 1.11 MB | 2017-10-29 11:12:54 | Start work with Dropbox.pdf |
| -    | 19.0 B  | 2017-11-17 12:41:29 | bar.txt              |
+-----+-----+-----+-----+
```

- as a command with respective sub-command arguments:

```
$ dropme df
+-----+-----+
| Field      | Value                |
+-----+-----+
| allocated  | 2.0 GB               |
| used       | 326.19 MB            |
| available  | 1.68 GB (84.1%)     |
+-----+-----+
```

2.4 Commands

The list of available **dropme** commands:

2.4.1 cp

Copies a file or folder to a different location in the user's Dropbox.

If the source path is a folder all its content will be copied. If destination path doesn't exist it will be created.

```
dropme cp
  [--allow-shared-folder]
  [-r]
  [--allow-ownership-transfer]
  from_path
  to_path
```

--allow-shared-folder

Whether or not allow to copy to a shared folder.

-r, --auto-rename

Whether the file should be renamed if there is a name conflict.

--allow-ownership-transfer

Allow moves by owner even if it would result in an ownership transfer for the content being moved. This does not apply to copies.

from_path

Path to a file or folder in the user's Dropbox to copy.

to_path

Destination path in the users's Dropbox. Will be created if does not exist.

This command is provided by the dropme plugin.

2.4.2 df

Shows information about space usage of the current user's account.

```
dropme df
[-f {json,shell,table,value,yaml}]
[-c COLUMN]
[--noindent]
[--prefix PREFIX]
[--max-width <integer>]
[--fit-width]
[--print-empty]
```

-f <FORMATTER>, --format <FORMATTER>
the output format, defaults to table

-c COLUMN, --column COLUMN
specify the column(s) to include, can be repeated

--noindent
whether to disable indenting the JSON

--prefix <PREFIX>
add a prefix to all variable names

--max-width <integer>
Maximum display width, <1 to disable. You can also use the CLIFF_MAX_TERM_WIDTH environment variable, but the parameter takes precedence.

--fit-width
Fit the table to the display width. Implied if --max-width greater than 0. Set the environment variable CLIFF_FIT_WIDTH=1 to always enable

--print-empty
Print empty table if there is no data to show.

This command is provided by the dropme plugin.

2.4.3 find

Searches for files and folders.

Note: Recent changes may not immediately be reflected in search results due to a short delay in indexing.

```
dropme find
  [-f {csv,json,table,value,yaml}]
  [-c COLUMN]
  [--quote {all,minimal,none,nonnumeric}]
  [--noindent]
  [--max-width <integer>]
  [--fit-width]
  [--print-empty]
  [--sort-column SORT_COLUMN]
  [--start START]
  [--max-results MAX_RESULTS]
  [-m {filename,filename_and_content,deleted_filename}]
  [path]
  query
```

-f <FORMATTER>, --format <FORMATTER>
the output format, defaults to table

-c COLUMN, --column COLUMN
specify the column(s) to include, can be repeated

--quote <QUOTE_MODE>
when to include quotes, defaults to nonnumeric

--noindent
whether to disable indenting the JSON

--max-width <integer>
Maximum display width, <1 to disable. You can also use the CLIFF_MAX_TERM_WIDTH environment variable, but the parameter takes precedence.

--fit-width
Fit the table to the display width. Implied if --max-width greater than 0. Set the environment variable CLIFF_FIT_WIDTH=1 to always enable

--print-empty
Print empty table if there is no data to show.

--sort-column SORT_COLUMN
specify the column(s) to sort the data (columns specified first have a priority, non-existing columns are ignored), can be repeated

--start <START>
The starting index within the search results (used for paging). Defaults to 0.

--max-results <MAX_RESULTS>
The maximum number of search results to return. Defaults to 100.

-m <MODE>, --mode <MODE>
The search mode. Note that searching file content is only available for Dropbox Business accounts.

path
The path of the directory to make search in, defaults to the root.

query
The string to search for. The search string is split on spaces into multiple tokens. For file name searching, the last token is used for prefix matching (i.e. 'bat c' matches 'bat cave' but not 'batman car').

This command is provided by the dropme plugin.

2.4.4 get

Downloads a file at a given local path.

```
dropme get [--revision REVISION] DROPBOX_FILE [LOCAL_FILE]
```

--revision <REVISION>

The revision of a file.

DROPBOX_FILE

The path of the file to download.

LOCAL_FILE

The path of the file to save data, defaults to current working directory.

This command is provided by the dropme plugin.

2.4.5 ls

Lists directory content.

```
dropme ls
  [-f {csv,json,table,value,yaml}]
  [-c COLUMN]
  [--quote {all,minimal,none,nonnumeric}]
  [--noindent]
  [--max-width <integer>]
  [--fit-width]
  [--print-empty]
  [--sort-column SORT_COLUMN]
  [-l]
  [path]
```

-f <FORMATTER>, **--format** <FORMATTER>

the output format, defaults to table

-c COLUMN, **--column** COLUMN

specify the column(s) to include, can be repeated

--quote <QUOTE_MODE>

when to include quotes, defaults to nonnumeric

--noindent

whether to disable indenting the JSON

--max-width <integer>

Maximum display width, <1 to disable. You can also use the CLIFF_MAX_TERM_WIDTH environment variable, but the parameter takes precedence.

--fit-width

Fit the table to the display width. Implied if **--max-width** greater than 0. Set the environment variable CLIFF_FIT_WIDTH=1 to always enable

--print-empty

Print empty table if there is no data to show.

--sort-column SORT_COLUMN

specify the column(s) to sort the data (columns specified first have a priority, non-existing columns are ignored), can be repeated

-l, --long-listing

Use a long listing format.

path

The path of the directory for printing its content. Defaults to the root.

This command is provided by the dropme plugin.

2.4.6 mkdir

Creates a folder at a given path.

```
dropme mkdir [-r] path
```

-r, --auto-rename

Whether the folder should be renamed if there is a name conflict.

path

The path of the folder to create.

This command is provided by the dropme plugin.

2.4.7 mv

Moves a file or folder to a different location in the user's Dropbox.

If the source path is a folder all its content will be moved. If destination path doesn't exist it will be created.

```
dropme mv
  [--allow-shared-folder]
  [-r]
  [--allow-ownership-transfer]
  from_path
  to_path
```

--allow-shared-folder

Whether or not allow to move to a shared folder.

-r, --auto-rename

Whether the file should be renamed if there is a name conflict.

--allow-ownership-transfer

Allow moves by owner even if it would result in an ownership transfer for the content being moved. This does not apply to copies.

from_path

Path to a file or folder in the user's Dropbox to move.

to_path

Destination path in the users's Dropbox. Will be created if does not exist.

This command is provided by the dropme plugin.

2.4.8 put

Uploads a file to a specified directory.

If destination directory path doesn't exist it will be created.

```
dropme put [-r] [--chunk-size CHUNK_SIZE] file [path]
```

-r, --auto-rename

Whether the file should be renamed if there is a name conflict.

--chunk-size <CHUNK_SIZE>

Chunk size of a file content to be uploaded per request in megabytes. Defaults to 10 MB. Note: A single request should not upload more than 150 MB.

file

The path to the file to upload.

path

The path of the directory to upload file, defaults to the root.

This command is provided by the dropme plugin.

2.4.9 restore

Restores file to a specified revision.

```
dropme restore -r REVISION path
```

-r <REVISION>, --revision <REVISION>

File revision.

path

The path to the file to restore.

This command is provided by the dropme plugin.

2.4.10 revs

Lists file revisions.

```
dropme revs
  [-f {csv,json,table,value,yaml}]
  [-c COLUMN]
  [--quote {all,minimal,none,nonnumeric}]
  [--noindent]
  [--max-width <integer>]
  [--fit-width]
  [--print-empty]
  [--sort-column SORT_COLUMN]
  [-m {path,id}]
  [-l LIMIT]
  path
```

-f <FORMATTER>, --format <FORMATTER>

the output format, defaults to table

-c COLUMN, --column COLUMN

specify the column(s) to include, can be repeated

--quote <QUOTE_MODE>

when to include quotes, defaults to nonnumeric

- noindent**
whether to disable indenting the JSON
- max-width** <integer>
Maximum display width, <1 to disable. You can also use the CLIFF_MAX_TERM_WIDTH environment variable, but the parameter takes precedence.
- fit-width**
Fit the table to the display width. Implied if --max-width greater than 0. Set the environment variable CLIFF_FIT_WIDTH=1 to always enable
- print-empty**
Print empty table if there is no data to show.
- sort-column** SORT_COLUMN
specify the column(s) to sort the data (columns specified first have a priority, non-existing columns are ignored), can be repeated
- m** <MODE>, **--mode** <MODE>
The revisions for a given file path or id. Defaults to 'path'. Note, that in the 'path' mode, all revisions at the same file path as the latest file entry are returned. If revisions with the same file id are desired, then mode must be set to 'id' (useful to retrieve revisions for a given file across moves or renames).
- l** <LIMIT>, **--limit** <LIMIT>
The maximum number of revision entries returned. Defaults to 10.

path

The path to the file to get the revisions of.

This command is provided by the dropme plugin.

2.4.11 rm

Deletes a file or a folder at a given path.

If the path is a folder, all its content will be deleted too.

```
dropme rm path
```

path

The path of the file or folder to delete.

This command is provided by the dropme plugin.

2.4.12 status

Shows status of a specified file or folder.

```
dropme status
[-f {json,shell,table,value,yaml}]
[-c COLUMN]
[--noindent]
[--prefix PREFIX]
[--max-width <integer>]
[--fit-width]
[--print-empty]
[-i]
[-d]
```

```
[-m]  
path
```

- f** <FORMATTER>, **--format** <FORMATTER>
the output format, defaults to table
- c** COLUMN, **--column** COLUMN
specify the column(s) to include, can be repeated
- noindent**
whether to disable indenting the JSON
- prefix** <PREFIX>
add a prefix to all variable names
- max-width** <integer>
Maximum display width, <1 to disable. You can also use the CLIFF_MAX_TERM_WIDTH environment variable, but the parameter takes precedence.
- fit-width**
Fit the table to the display width. Implied if **--max-width** greater than 0. Set the environment variable CLIFF_FIT_WIDTH=1 to always enable
- print-empty**
Print empty table if there is no data to show.
- i, --include-media-info**
Show media info for file with photo or video content.
- d, --include-deleted**
Fetch data for deleted file or folder.
- m, --include-has-members**
Indicate whether or not file has any explicit shared members

path

The path to the file to get metadata.

This command is provided by the dropme plugin.

2.4.13 whoami

Shows information about the current user's account.

```
dropme whoami  
[-f {json,shell,table,value,yaml}]  
[-c COLUMN]  
[--noindent]  
[--prefix PREFIX]  
[--max-width <integer>]  
[--fit-width]  
[--print-empty]  
[-a]
```

- f** <FORMATTER>, **--format** <FORMATTER>
the output format, defaults to table
- c** COLUMN, **--column** COLUMN
specify the column(s) to include, can be repeated

--noindent

whether to disable indenting the JSON

--prefix <PREFIX>

add a prefix to all variable names

--max-width <integer>

Maximum display width, <1 to disable. You can also use the CLIFF_MAX_TERM_WIDTH environment variable, but the parameter takes precedence.

--fit-width

Fit the table to the display width. Implied if --max-width greater than 0. Set the environment variable CLIFF_FIT_WIDTH=1 to always enable

--print-empty

Print empty table if there is no data to show.

-a, --all

Show information about account in more details.

This command is provided by the dropme plugin.

CHAPTER 3

Release Notes

3.1 1.1.0

Released on Dec 25, 2017.

- New `dropme revs` command
- New `dropme restore` command
- Bug fixes

3.2 1.0.1

Released on Dec 18, 2017.

CHAPTER 4

Links

- Documentation: <http://dropme.readthedocs.io>
- Source: <https://github.com/tivaliy/dropme>
- Bugs: <https://github.com/tivaliy/dropme/issues>

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 - dropme-cp command line option, 8
 - dropme-mv command line option, 11
- allow-shared-folder
 - dropme-cp command line option, 7
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- chunk-size <CHUNK_SIZE>
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- f <FORMATTER>, -format <FORMATTER>
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- i, --include-media-info
 - dropme-status command line option, 14
- l <LIMIT>, --limit <LIMIT>
 - dropme-revs command line option, 13
- l, --long-listing
 - dropme-ls command line option, 10
- m <MODE>, --mode <MODE>
 - dropme-find command line option, 9
 - dropme-revs command line option, 13
- m, --include-has-members
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 - dropme-mkdir command line option, 11
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- q, --quiet, 6
- t <TOKEN>, --token <TOKEN>, 6
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- allow-ownership-transfer, 8
- allow-shared-folder, 7
- r, --auto-rename, 8
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- to_path, 8

dropme-df command line option

- fit-width, 8
- max-width <integer>, 8
- noindent, 8
- prefix <PREFIX>, 8
- print-empty, 8
- c COLUMN, --column COLUMN, 8
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- quote <QUOTE_MODE>, 9
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- print-empty, 10
- quote <QUOTE_MODE>, 10
- sort-column SORT_COLUMN, 10
- c COLUMN, --column COLUMN, 10
- f <FORMATTER>, --format <FORMATTER>, 10
- l, --long-listing, 10
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dropme-mkdir command line option

- r, --auto-rename, 11
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dropme-mv command line option

- allow-ownership-transfer, 11
- allow-shared-folder, 11
- r, --auto-rename, 11
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dropme-restore command line option

- r <REVISION>, --revision <REVISION>, 12
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dropme-revs command line option

- fit-width, 13
- max-width <integer>, 13
- noindent, 12
- print-empty, 13
- quote <QUOTE_MODE>, 12
- sort-column SORT_COLUMN, 13
- c COLUMN, --column COLUMN, 12
- f <FORMATTER>, --format <FORMATTER>, 12
- l <LIMIT>, --limit <LIMIT>, 13
- m <MODE>, --mode <MODE>, 13
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dropme-status command line option

- fit-width, 14
- max-width <integer>, 14
- noindent, 14
- prefix <PREFIX>, 14
- print-empty, 14
- c COLUMN, -column COLUMN, 14
- d, -include-deleted, 14
- f <FORMATTER>, -format <FORMATTER>, 14
- i, -include-media-info, 14
- m, -include-has-members, 14
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dropme-whoami command line option

- fit-width, 15
- max-width <integer>, 15
- noindent, 14
- prefix <PREFIX>, 15
- print-empty, 15
- a, -all, 15
- c COLUMN, -column COLUMN, 14
- f <FORMATTER>, -format <FORMATTER>, 14

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- dropme-mv command line option, 11