
Apache Libcloud Documentation

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The Apache Software Foundation

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File Syncer is a Python program which synchronized files from a local directory to one of the cloud object storage providers supported by Apache Libcloud.

Besides local <-> remote synchronization it also supports restoring files from the remote server to a local directory.

For more information and background, please see blog post titled [Hosting APT repository on Rackspace CloudFiles](#).

Features

- Synchronize files from a local directory to one of the supported providers
- User can specify a list of filename patterns which are excluded
- User can specify to delete files in the container that do not exist locally
- Restore files from the remote server to a local directory
- All the operations (deletes, uploads and downloads) happen in parallel

Installation

Latest stable version can be installed from PyPi using pip:

If you want to install latest development version, you can install it from this Git repository:

```
pip install -e git+https://github.com/Kami/python-file-syncer.git@master#egg=file_syncer
```

Usage

```
file-syncer --help
```

3.1 Synchronizing files from a local directory to a remote server

```
file-syncer --username=<api username> --key=<api key or password> \
  --provider=<libcloud provider constant - e.g. CLOUDFILES_US> \
  --container-name=<target container name> \
  --directory=<path to directory used to synchronize> \
  --delete
```

3.2 Restoring files from the remote server to a local directory

```
file-syncer --username=<api username> --key=<api key or password> \
  --restore \
  --provider=<libcloud provider constant - e.g. CLOUDFILES_US> \
  --container-name=<remote container name> \
  --directory=<path to directory where the files will be restored to>
```

3.3 Specifying a region with a CloudFiles provider

```
file-syncer --username=<api username> --key=<api key or password> \
  --provider=CLOUDFILES_US \
  --region=ord \
  --container-name=<target container name> \
  --directory=<path to directory used to synchronize> \
  --delete
```

Changelog

For changelog, please see the [CHANGES](#) file.

License

File syncer is distributed under the [Apache 2.0 license](#).