
Read the Docs Template Documentation

Release 1.0

Read the Docs

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Contents:

CHAPTER 1

Authors

- Eric (New contributor)
- Anthony

CHAPTER 2

Installation

Install the package with pip:

```
$ pip install read-the-docs-template
```


\$project will solve your problem of where to start with documentation, by providing a basic explanation of how to do it easily.

Look how easy it is to use:

```
import project # Get your stuff done project.do_stuff()
```

3.1 Features

- Be awesome
- Make things faster

3.2 Installation

Install \$project by running:

```
install project
```

3.3 Contribute

- Issue Tracker: [github.com/\\$project/\\$project/issues](https://github.com/$project/$project/issues)
- Source Code: [github.com/\\$project/\\$project](https://github.com/$project/$project)

3.4 Support

If you are having issues, please let us know. We have a mailing list located at: eferlanti@tacc.utexas.edu

3.5 License

The project is licensed under the BSD license.

Transferring data

Before we talk about how to do basic operations on your data, let's first talk about how you can move your data around. You already have a storage system available to you, so we will start with the "hello world" of data movement, uploading a file.

4.1 Uploading a file

CLI

```
$ files-upload -v -F files/picksumipsum.txt -S api.tacc.cloud nryan
```

cURL

```
$ curl -sk -H "Authorization: Bearer $ACCESS_TOKEN" \
-X POST \
-F "fileToUpload=@files/picksumipsum.txt" \
https://tacc.cloud/files/v2/media/api.tacc.cloud/nryan
```

The response will look something like this:

```
{
  "internalUsername": null,
  "lastModified": "2014-09-03T10:28:09.943-05:00",
  "name": "picksumipsum.txt",
  "nativeFormat": "raw",
  "owner": "nryan",
  "path": "/home/nryan/picksumipsum.txt",
  "source": "http://127.0.0.1/picksumipsum.txt",
  "status": "STAGING_QUEUED",
  "systemId": "api.tacc.cloud",
  "uuid": "0001409758089943-5056a550b8-0001-002",
  "_links": {
    "history": {
```

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```
        "href": "https://tacc.cloud/files/v2/history/system/api.tacc.cloud/nryan/
↪picksumipsum.txt"
      },
      "self": {
        "href": "https://tacc.cloud/files/v2/media/system/api.tacc.cloud/nryan/
↪picksumipsum.txt"
      },
      "system": {
        "href": "https://tacc.cloud/systems/v2/api.tacc.cloud"
      }
    }
  }
}
```

You may upload data to a remote systems by performing a multipart POST on the FILES service. If you are using the Agave CLI, you can perform recursive directory uploads. If you are manually calling curl or building an app with the Agave SDK, you will need to implement the recursion yourself. You can take a look in the *files-upload* script to see how this is done. The following is an example of how to upload a file that we will use in the remainder of this tutorial.

You will see a progress bar while the file uploads, followed by a response from the server with a description of the uploaded file. Agave does not block during data movement operations, so it may be just a moment before the file physically shows up on the remote system.

CHAPTER 5

Indices and tables

- `genindex`
- `modindex`
- `search`