Barique

unknown

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CONTENTS

1 Barique **3**
- 1.1 Installation . . . 3
- 1.2 Examples . . . 3
- 1.3 License . . . 4

2 Commands **5**
- 2.1 file . . . 5
- 2.2 task . . . 7

3 baricadr package **9**
- 3.1 Subpackages . . . 9
- 3.2 Submodules . . . 11
- 3.3 Module contents . . . 11

4 Indices and tables **13**

Python Module Index **15**

Index **17**

Contents:

CHAPTER

ONE

BARIQUE

Lint Documentation

A Python client (library and CLI) for interacting with a Baricadr server.

1.1 Installation

```
$ pip install barique

# On first use you'll need to create a config file to connect to the server, just run:

$ barique init
Welcome to Barique
Baricadr server host: localhost
Baricadr server port: 9100
Is your Baricadr instance running behind an authentication proxy? [y/N]: n
Testing connection...
Ok! Everything looks good.
Ready to go! Type `barique` to get a list of commands you can execute.
```

This will create a barique config file in ~/.barique.yml

1.2 Examples

```
# List files in a remote repository
$ barique file list /repos/test_repo/
[
    {
        "Path": "file.txt"
    },
    {
        "Path": "file2.txt"
    }
]

# Ask Baricadr to pull a single file
$ barique file pull /repos/test_repo/file.txt
7958b29c-2a14-486c-90f0-585e68ac9f44
```

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```
# Check the status of a pull task
$ barique task show 7958b29c-2a14-486c-90f0-585e68ac9f44
{
    "created": "Wed, 17 Feb 2021 15:11:56 GMT",
    "error": null,
    "finished": "Wed, 17 Feb 2021 15:12:03 GMT",
    "path": "/repos/test_repo/file.txt",
    "started": "Wed, 17 Feb 2021 15:11:58 GMT",
    "status": "finished",
    "task_id": "7958b29c-2a14-486c-90f0-585e68ac9f44",
    "type": "pull"
}

# Ask Baricadr to freze a single file
$ barique file freeze /repos/test_repo/file2.txt
7958b29c-2a14-486c-90f0-585e68ac9f44

# Check the status of a pull task
$ barique task show 7958b29c-2a14-486c-90f0-585e68ac9f44
{
    "created": "Wed, 17 Feb 2021 15:16:49 GMT",
    "error": null,
    "finished": "Wed, 17 Feb 2021 15:16:52 GMT",
    "path": "/repos/test_repo/file2.txt",
    "started": "Wed, 17 Feb 2021 15:16:51 GMT",
    "status": "finished",
    "task_id": "7958b29c-2a14-486c-90f0-585e68ac9f44",
    "type": "freeze"
}
```

1.3 License

Available under the MIT License

CHAPTER

TWO

COMMANDS

Barique is a set of wrappers for Baricadr's API. It builds a set of small, useful utilities for talking to a Baricadr server. Each utility is implemented as a subcommand of `barique`. This section of the documentation describes these commands.

2.1 file

This section is auto-generated from the help text for the barique command `file`.

2.1.1 `freeze` command

Usage:

```
barique file freeze [OPTIONS] PATH
```

Help

Launch a freeze task

Output

Id associated to the freeze task

Options:

```
--force       Force freezing, even if the freezing delay was not reached
--dry_run     Do not make any deletion, just list changes that would be made
--email TEXT  User email adress for notification
-h, --help    Show this message and exit.
```

2.1.2 `list` command

Usage:

```
barique file list [OPTIONS] PATH
```

Help

List files available from a remote repository for a local path

Output

List of file relative paths

Options:

```
--full                List full information for each file (size (in bytes),
                      mtime, etc..)

--missing             Only list files missing from the local path
--max_depth INTEGER   Restrict to a max depth. Set to 0 for all files.
                      [default: 1]

--from_root           Return full paths from root of the repo (instead of
                      relative to given path)

-h, --help            Show this message and exit.
```

2.1.3 `pull` command

Usage:

```
barique file pull [OPTIONS] PATH
```

Help

Launch a pull task

Output

Id associated to the pull task

Options:

```
--email TEXT  User email adress for notification
--dry_run     Do not make any pull, just list changes that would be made
-h, --help    Show this message and exit.
```

2.1.4 `tree` command

Usage:

```
barique file tree [OPTIONS] PATH
```

Help

List files available from a remote repository for a local path as a tree

Output

None

Options:

```
--max_depth INTEGER  Restrict to a max depth. Set to 0 for all files.
-h, --help           Show this message and exit.
```

2.2 task

This section is auto-generated from the help text for the barique command `task`.

2.2.1 `list` command

Usage:

```
barique task list [OPTIONS]
```

Help

List recent tasks

Output

List of tasks

Options:

```
-h, --help  Show this message and exit.
```

2.2.2 `log` command

Usage:

```
barique task log [OPTIONS] TASK_ID
```

Help

Show log from the task with the specified id

Output

Dict

Options:

```
-h, --help  Show this message and exit.
```

2.2.3 `remove` command

Usage:

```
barique task remove [OPTIONS] TASK_ID
```

Help

Remove task with the selected id

Output

Dict

Options:

```
-h, --help  Show this message and exit.
```

2.2.4 `show` command

Usage:

```
barique task show [OPTIONS] TASK_ID
```

Help

Show task with the specified id

Output

Dict

Options:

```
-h, --help  Show this message and exit.
```

2.2.5 `zombies` command

Usage:

```
barique task zombies [OPTIONS]
```

Help

Kill zombie tasks

Output

Task id

Options:

```
-h, --help  Show this message and exit.
```

CHAPTER

THREE

BARICADR PACKAGE

3.1 Subpackages

3.1.1 baricadr.file package

Module contents

class baricadr.file.**FileClient**(*url*, *login*, *password*, *endpoints*)

Bases: *baricadr.client.Client*

Manipulate files managed by Baricadr

freeze(*path*, *force=False*, *dry_run=False*, *email=''*)

Launch a freeze task

Parameters

- **path** (*str*) – Local path to a file or folder to freeze
- **force** (*bool*) – Force freezing, even if the freezing delay was not reached
- **dry_run** (*bool*) – Do not make any deletion, just list changes that would be made
- **email** (*str*) – User email adress for notification

Return type str

Returns Id associated to the freeze task

list(*path*, *full=False*, *missing=False*, *max_depth=1*, *from_root=False*)

List files available from a remote repository for a local path

Parameters

- **path** (*str*) – Local path
- **missing** (*bool*) – Only list files missing from the local path
- **full** (*bool*) – List full information for each file (size (in bytes), mtime, etc..)
- **max_depth** (*int*) – Restrict to a max depth. Set to 0 for all files.
- **from_root** (*bool*) – Return full paths from root of the repo (instead of relative to given path)

Return type list

Returns List of file relative paths

pull(*path*, *email=''*, *dry_run=False*)
Launch a pull task

Parameters

- **path** (*str*) – Local path to a missing file or folder
- **email** (*str*) – User email adress for notification
- **dry_run** (*bool*) – Do not make any pull, just list changes that would be made

Return type str

Returns Id associated to the pull task

tree(*path*, *max_depth=0*)
List files available from a remote repository for a local path as a tree

Parameters

- **path** (*str*) – Local path
- **max_depth** (*int*) – Restrict to a max depth. Set to 0 for all files.

Return type None

Returns None

3.1.2 baricadr.task package

Module contents

class baricadr.task.**TaskClient**(*url*, *login*, *password*, *endpoints*)
Bases: *baricadr.client.Client*

Track progress of Baricadr tasks

list()
List recent tasks

Return type list

Returns List of tasks

log(*task_id*)
Show log from the task with the specified id

Parameters **task_id** (*str*) – Task id

Return type dict

Returns Dict

remove(*task_id*)
Remove task with the selected id

Parameters **task_id** (*str*) – Task id

Return type dict

Returns Dict

show(*task_id*)
Show task with the specified id

Parameters **task_id** (*str*) – Task id

Return type dict

Returns Dict

zombies()

Kill zombie tasks

Return type dict

Returns Task id

3.2 Submodules

3.2.1 baricadr.client module

class baricadr.client.**Client**(*url*, *login*, *password*, *endpoints*)

Bases: object

Base client class implementing methods to make queries to the server

3.2.2 baricadr.exceptions module

exception baricadr.exceptions.**BaricadrApiError**

Bases: Exception

Raised when the API returns an error

exception baricadr.exceptions.**BaricadrConnectionError**

Bases: Exception

Raised when the connection to the Barricadr server fails

exception baricadr.exceptions.**BaricadrNotImplementedError**

Bases: Exception

Raised when there are not endpoint associated with this function

3.3 Module contents

class baricadr.**BaricadrInstance**(*url='http://localhost:9100/'*, *login=None*, *password=None*, ***kwargs*)

Bases: object

CHAPTER

FOUR

INDICES AND TABLES

- genindex
- modindex
- search

PYTHON MODULE INDEX

b

baricadr, 11
baricadr.client, 11
baricadr.exceptions, 11
baricadr.file, 9
baricadr.task, 10

INDEX

B

baricadr
    module, 11
baricadr.client
    module, 11
baricadr.exceptions
    module, 11
baricadr.file
    module, 9
baricadr.task
    module, 10
BaricadrApiError, 11
BaricadrConnectionError, 11
BaricadrInstance (*class in baricadr*), 11
BaricadrNotImplementedError, 11

C

Client (*class in baricadr.client*), 11

F

FileClient (*class in baricadr.file*), 9
freeze() (*baricadr.file.FileClient method*), 9

L

list() (*baricadr.file.FileClient method*), 9
list() (*baricadr.task.TaskClient method*), 10
log() (*baricadr.task.TaskClient method*), 10

M

module
    baricadr, 11
    baricadr.client, 11
    baricadr.exceptions, 11
    baricadr.file, 9
    baricadr.task, 10

P

pull() (*baricadr.file.FileClient method*), 9

R

remove() (*baricadr.task.TaskClient method*), 10

S

show() (*baricadr.task.TaskClient method*), 10

T

TaskClient (*class in baricadr.task*), 10
tree() (*baricadr.file.FileClient method*), 10

Z

zombies() (*baricadr.task.TaskClient method*), 11