
gandalf-client Documentation

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gandalf-client is a Python client for gandalf (<https://github.com/tsuru/gandalf>).

Github: <https://github.com/rfloriano/gandalf-client>

Getting Started

Installing `gandalf-client` is as simple as:

```
$ pip install gandalf-client
```

After you have it installed, let's use the `gandalf`, then:

```
import requests
from gandalf.client import GandalfClient

gandalf = GandalfClient("localhost", 8001, requests.request)
gandalf.user_new('rfloriano', {'my-ssh-key': 'content-of-my-ssh-public-key'})
```

1.1 Available Methods

1.2 `client` Module

`class gandalf.client.GandalfClient (host, port, client)`

```
get_body (response)
get_code (response)
get_content (response)
get_raw (response)
healthcheck (*args, **kwargs)
hook_add (*args, **kwargs)
repository_archive (*args, **kwargs)
repository_branches (*args, **kwargs)
repository_commit (*args, **kwargs)
repository_contents (*args, **kwargs)
repository_delete (*args, **kwargs)
repository_diff_commits (*args, **kwargs)
repository_get (*args, **kwargs)
```

```
repository_grant (*args, **kwargs)
repository_log (*args, **kwargs)
repository_new (*args, **kwargs)
repository_revoke (*args, **kwargs)
repository_tags (*args, **kwargs)
repository_tree (*args, **kwargs)
repository_update (*args, **kwargs)
user_add_key (*args, **kwargs)
user_delete (*args, **kwargs)
user_delete_key (*args, **kwargs)
user_get_keys (*args, **kwargs)
user_new (*args, **kwargs)
```

1.2.1 repository_grant

Grant access to users in repositories

Arguments:

- users: List of users to grant accesss
- repositories: List of repositories to grant users accesss

Example:

```
gandalf.repository_grant(['rfloriano'], ['project-repository'])
```

1.2.2 repository_update

Updates repository data

Arguments:

- repository: List of all users to set accesss

Keyword arguments:

- users: List of users to replace if set
- readonlyusers: List of read only users to replace if set
- ispublic: Set if repository is public (boolean)

Example:

```
gandalf.repository_update('rfloriano', name='bla-bla', users=['user1@gmail.com'], readonlyusers=[], ispublic=True)
```


1.2.3 repository_revoke

Revoke access to users in repositories

Arguments:

- users: List of users to revoke accesss
- repositories: List of repositories to revoke users acesss

Example:

```
gandalf.repository_grant(['rfloriano'], ['project-repository'])
```

1.2.4 repository_archive

Arguments:

- name: The repository's name
- ref: Git reference to file
- format: The file format

1.2.5 repository_contents

Arguments:

- name: The repository's name
- path: File's path

1.2.6 repository_delete

Delete a repository

Arguments:

- name: The repository's name

Example:

```
gandalf.repository_delete('project-repository')
```

1.2.7 repository_log

Returns a list of all commits into repository

Arguments:

- name: The repository's name
- ref: The repository ref (commit, tag or branch)
- total: The maximum number of items to retrieve
- path: Path to file or directory to filter log

Example:

```
gandalf.repository_log(repo_name, 'HEAD', 1, 'README.md')
```

1.2.8 user_add_key

Add ssh public key to an user

Arguments:

- name: The username
- keys: Dictionary of public key to associate with user account (Ie: { 'macbook-key': 'ssh-dss my-public-key==f@foo.bar'})

Example:

```
gandalf.user_add_key('rfloriano', {'my-ssh-key-another': 'content-of-my-ssh-public-another-key'})
```

1.2.9 user_get_keys

Get keys from an user

Arguments:

- name: The username

Example:

```
gandalf.user_get_keys('rfloriano')
```

1.2.10 user_delete_key

Delete keys from an user

Arguments:

- name: The username
- keyname: The key name to remove (Ie: 'macbook-key')

Example:

```
gandalf.user_delete_key('rfloriano', 'my-ssh-key-another')
```

1.2.11 user_delete

Delete an user

Arguments:

- name: The username

Example:

```
gandalf.user_delete('rfloriano')
```

1.2.12 hook_add

Add git server hook

Arguments:

- name: The hook's name
- content: Content of hook

1.2.13 healthcheck

Validates if the gandalf server responds to healthcheck.

Example:

```
assert gandalf.healthcheck()
```

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