
Bowl Documentation

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Charlie Lewis

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bowl package

1.1 Subpackages

1.1.1 bowl.cli_opts package

Submodules

bowl.cli_opts.add module

This module is the add command of bowl.

Created on 26 May 2014 @author: Charlie Lewis

class bowl.cli_opts.add.**Object**
Bases: object

class bowl.cli_opts.add.**add**
Bases: object

This class is responsible for the add command of the cli.

classmethod **main** (*args*)

bowl.cli_opts.connect module

This module is the connect command of bowl.

Created on 15 March 2014 @author: Charlie Lewis

class bowl.cli_opts.connect.**connect**
Bases: object

This class is responsible for the connect command of the cli.

classmethod **main** (*args*)

bowl.cli_opts.delete module

This module is the delete command of bowl.

Created on 22 June 2014 @author: Charlie Lewis

class `bowl.cli_opts.delete.delete`

Bases: `object`

This class is responsible for the delete command of the cli.

classmethod `main` (*args*)

bowl.cli_opts.disconnect module

This module is the disconnect command of bowl.

Created on 15 March 2014 @author: Charlie Lewis

class `bowl.cli_opts.disconnect.disconnect`

Bases: `object`

This class is responsible for the disconnect command of the cli.

classmethod `main` (*args*)

bowl.cli_opts.grant module

This module is the grant command of bowl.

Created on 30 September 2014 @author: Charlie Lewis

class `bowl.cli_opts.grant.grant`

Bases: `object`

This class is responsible for the grant command of the cli.

classmethod `main` (*args*)

bowl.cli_opts.hosts module

This module is the hosts command of bowl.

Created on 14 March 2014 @author: Charlie Lewis

class `bowl.cli_opts.hosts.hosts`

Bases: `object`

This class is responsible for the hosts command of the cli.

classmethod `main` (*args*)

bowl.cli_opts.image_import module

This module is the import command of bowl.

Created on 6 June 2014 @author: Charlie Lewis

class `bowl.cli_opts.image_import.image_import`

Bases: `object`

This class is responsible for the import command of the cli.

classmethod `main` (*args*)

owl.cli_opts.images module

This module is the images command of owl.

Created on 22 June 2014 @author: Charlie Lewis

class owl.cli_opts.images.images

Bases: object

This class is responsible for the images command of the cli.

classmethod main (args)

owl.cli_opts.info module

This module is the info command of owl.

Created on 14 March 2014 @author: Charlie Lewis

class owl.cli_opts.info.Object

Bases: object

class owl.cli_opts.info.info

Bases: object

This class is responsible for the info command of the cli.

classmethod main (args)

owl.cli_opts.kill module

This module is the kill command of owl.

Created on 15 March 2014 @author: Charlie Lewis

class owl.cli_opts.kill.kill

Bases: object

This class is responsible for the kill command of the cli.

classmethod main (args)

owl.cli_opts.link module

This module is the link command of owl.

Created on 14 July 2014 @author: Charlie Lewis

class owl.cli_opts.link.link

Bases: object

This class is responsible for the link command of the cli.

classmethod main (args)

bowl.cli_opts.list module

This module is the list command of bowl.

Created on 14 March 2014 @author: Charlie Lewis

class `bowl.cli_opts.list.Object`

Bases: `object`

class `bowl.cli_opts.list.list`

Bases: `object`

This class is responsible for the list command of the cli.

classmethod `main` (*args*)

bowl.cli_opts.login module

This module is the login command of bowl.

Created on 14 March 2014 @author: Charlie Lewis

class `bowl.cli_opts.login.login`

Bases: `object`

This class is responsible for the login command of the cli.

classmethod `main` (*args*)

bowl.cli_opts.logout module

This module is the logout command of bowl.

Created on 29 May 2014 @author: Charlie Lewis

class `bowl.cli_opts.logout.logout`

Bases: `object`

This class is responsible for the logout command of the cli.

classmethod `main` (*args*)

bowl.cli_opts.logs module

This module is the logs command of bowl.

Created on 14 March 2014 @author: Charlie Lewis

class `bowl.cli_opts.logs.Object`

Bases: `object`

class `bowl.cli_opts.logs.logs`

Bases: `object`

This class is responsible for the logs command of the cli.

classmethod `main` (*args*)

owl.cli_opts.new module

This module is the new command of bowl.

Created on 15 March 2014 @author: Charlie Lewis

class `owl.cli_opts.new.Object`

Bases: `object`

class `owl.cli_opts.new.new`

Bases: `object`

This class is responsible for the new command of the cli.

static build_dockerfile (*dockerfile, uuid_dir, main_arg*)

static build_options (*main_arg*)

static display_menu (*args, menu, parent, build_dict*)

classmethod main (*args*)

static options_menu (*args, menu, config_dict, parent=None*)

static process_menu (*args, menu, build_dict, parent=None*)

static query_yes_no (*question, default='no'*)

Ask a yes/no question via `raw_input()` and return their answer.

“question” is a string that is presented to the user. “default” is the presumed answer if the user just hits <Enter>.

It must be “no” (the default), “yes” or None (meaning an answer is required of the user).

The “answer” return value is one of “yes” or “no”.

owl.cli_opts.remove module

This module is the rm command of bowl.

Created on 26 May 2014 @author: Charlie Lewis

class `owl.cli_opts.remove.remove`

Bases: `object`

This class is responsible for the rm command of the cli.

classmethod main (*args*)

owl.cli_opts.repositories module

This module is the repositories command of bowl.

Created on 19 July 2014 @author: Charlie Lewis

class `owl.cli_opts.repositories.repositories`

Bases: `object`

This class is responsible for the repositories command of the cli.

classmethod main (*args*)

owl.cli_opts.revoke module

This module is the revoke command of owl.

Created on 30 September 2014 @author: Charlie Lewis

class owl.cli_opts.revoke.**revoke**

Bases: object

This class is responsible for the revoke command of the cli.

classmethod **main** (*args*)

owl.cli_opts.services module

This module is the services command of owl.

Created on 17 July 2014 @author: Charlie Lewis

class owl.cli_opts.services.**Object**

Bases: object

class owl.cli_opts.services.**services**

Bases: object

This class is responsible for the services command of the cli.

classmethod **main** (*args*)

owl.cli_opts.snapshot module

This module is the snapshot command of owl.

Created on 15 March 2014 @author: Charlie Lewis

class owl.cli_opts.snapshot.**Object**

Bases: object

class owl.cli_opts.snapshot.**snapshot**

Bases: object

This class is responsible for the snapshot command of the cli.

classmethod **main** (*args*)

owl.cli_opts.snapshots module

This module is the snapshots command of owl.

Created on 17 July 2014 @author: Charlie Lewis

class owl.cli_opts.snapshots.**snapshots**

Bases: object

This class is responsible for the snapshots command of the cli.

classmethod **main** (*args*)

owl.cli_opts.start module

This module is the start command of owl.

Created on 14 July 2014 @author: Charlie Lewis

class owl.cli_opts.start.**start**

Bases: object

This class is responsible for the start command of the cli.

classmethod **check_pid** (*pid*)

Check for the existence of a unix pid.

classmethod **main** (*args*)

owl.cli_opts.stop module

This module is the stop command of owl.

Created on 14 July 2014 @author: Charlie Lewis

class owl.cli_opts.stop.**stop**

Bases: object

This class is responsible for the stop command of the cli.

classmethod **check_pid** (*pid*)

Check for the existence of a unix pid.

classmethod **main** (*args*)

owl.cli_opts.subtract module

This module is the subtract command of owl.

Created on 1 September 2014 @author: Charlie Lewis

class owl.cli_opts.subtract.**subtract**

Bases: object

This class is responsible for the subtract command of the cli.

classmethod **main** (*args*)

owl.cli_opts.test module

This module is the test command of owl.

Created on 11 August 2014 @author: Charlie Lewis

class owl.cli_opts.test.**test**

Bases: object

This class is responsible for the test command of the cli.

classmethod **main** (*args*)

owl.cli_opts.unlink module

This module is the unlink command of owl.

Created on 14 July 2014 @author: Charlie Lewis

class owl.cli_opts.unlink.**unlink**

Bases: object

This class is responsible for the unlink command of the cli.

classmethod main (args)

owl.cli_opts.update module

This module is the update command of owl.

Created on 17 July 2014 @author: Charlie Lewis

class owl.cli_opts.update.**update**

Bases: object

This class is responsible for the update command of the cli.

classmethod main (args)

owl.cli_opts.version module

This module is the version command of owl.

Created on 14 March 2014 @author: Charlie Lewis

class owl.cli_opts.version.**version**

Bases: object

This class is responsible for the version command of the cli.

classmethod main (args)

Module contents

1.2 Submodules

1.3 owl.api module

This module is the web server for running the REST API of owl.

Created on 14 March 2014 @author: Charlie Lewis

class owl.api.**api_add**

This class is responsible for adding a service

POST ()

POSTs the new service being added.

class owl.api.**api_connect**

This class is responsible for creating a connection to a docker host.

GET (*host*)
creates a connection to a new docker host.

class `bowl.api.api_delete`
This class is responsible for deleting an image.

GET (*image*)
deletes the specified image.

class `bowl.api.api_disconnect`
This class is responsible for disconnecting a connection to a docker host.

GET (*host*)
disconnects the specified docker host.

class `bowl.api.api_grant`
This class is responsible for granting access to a container for a user.

GET (*user, container*)
grants access for the specified user to a container.

class `bowl.api.api_hosts`
This class is responsible for listing the connected docker hosts.

GET ()
GETs the connected docker hosts.

Returns returns the list of connected docker hosts.

class `bowl.api.api_image_import`
This class is responsible for importing an image.

POST ()
POSTs the image being imported.

class `bowl.api.api_images`
This class is responsible for listing the images.

GET ()
GETs the images.

Returns returns the list of images.

class `bowl.api.api_info`
This class is responsible for giving system-wide information.

GET ()
GETs the system-wide information and renders it.

Returns returns the information.

class `bowl.api.api_kill`
This class is responsible for killing a container.

GET (*container*)
the container to kill.

class `bowl.api.api_link`
This class is responsible for linking a service repository host.

GET (*repository*)
creates a link to a new service repository.

class `bowl.api.api_list`
This class is responsible for listing the running containers.

GET ()
GETs the list of running containers.

Returns returns the list of running containers.

class `owl.api.api_login`
This class is responsible for logging in.

POST ()
POSTs the user to login.

class `owl.api.api_logout`
This class is responsible for logging out.

POST ()
POSTs the user to logout.

class `owl.api.api_logs`
This class is responsible for returning logs of a server.

GET (container)
GETs the logs of a server.

Returns returns the logs of a server.

class `owl.api.api_new`
This class is responsible for creating a new container.

POST ()
POSTs the creation of a new container.

class `owl.api.api_remove`
This class is responsible for removing a container.

POST ()
POSTs the removal of a container.

class `owl.api.api_repo_services`
This class is responsible for sending services to the client.

GET ()
GETs the services and packages them up and serves them up as a static file.

make_tarfile (output_filename, source_dir)

class `owl.api.api_repositories`
This class is responsible for listing the connected repositories.

GET ()
GETs the connected repositories.

Returns returns the list of connected repositories.

class `owl.api.api_revoke`
This class is responsible for revokeing access to a container for a user.

GET (user, container)
revokes access for the specified user to a container.

class `owl.api.api_services`
This class is responsible for listing services.

GET ()
GETs the list of services.

class `owl.api.api_snapshot`

This class is responsible for snapshotting a container.

GET (*container*)

creates a snapshot of a container.

class `owl.api.api_snapshots`

This class is responsible for listing snapshots.

GET ()

GETs the list of snapshots.

class `owl.api.api_subtract`

This class is responsible for subtracting services.

GET (*os, version, service_type, name*)

GETs the service to subtract.

class `owl.api.api_test`

This class is responsible for running the tests.

GET ()

runs the tests.

class `owl.api.api_unlink`

This class is responsible for unlinking a service repository host.

GET (*repository*)

unlinks the specified service repository.

class `owl.api.api_uptime`

This class is responsible for returning the uptime of the API server.

GET ()

GETs the uptime of the API server.

Returns returns the uptime of the API server.

class `owl.api.api_version`

This class is responsible for returning the version of bowl.

GET ()

GETs the version of bowl.

Returns returns the version of bowl.

class `owl.api.main` (*port=8080, host='0.0.0.0'*)

Bases: `object`

This class is responsible for initializing the urls and web server.

setup ()

class `owl.api.root`

This class is responsible for giving information about the rest server.

GET ()

GETs the information about the rest server and renders it.

Returns returns the information

1.4 bowl.cli module

This module is the commandline interface of bowl.

Created on 14 March 2014 @author: Charlie Lewis

class `bowl.cli.cli`

Bases: `object`

This class is responsible for all commandline operations.

parse_args()

`bowl.cli.main`()

1.5 Module contents

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