

Notes for implementing OSC commands for Manila

spec:

https://specs.openstack.org/openstack/manila-specs/specs/release_independent/manila-support-openstackclient.html

task board:

<https://tree.taiga.io/project/gouthampacha-openstack-manila-osc-integration-with-python-manilaclient/kanban>

prerequisite:

- devstack is up and running with all the repos you need
- you're authenticated (source openrc admin)

First, run the manila command you're about to implement to make sure it's working as expected and you're all set up. Note, that you might need to run a few commands before, in order to try out the one you need. For example if you're working on **share delete**, you'll need to create a share to delete first.

Then, run the manila command with '--help' flag to see all the arguments the command has and what you should be implementing for your new command.

In devstack, the code lives in /opt/stack/python-manilaclient, so:

```
$ cd /opt/stack/python-manilaclient
$ git checkout master (if you're not on master already)
$ git pull origin master (make sure you're on the latest version of master)
$ git checkout -b <your-new-branch-name>
```

Look for examples in the code for the commands that we already have.

<https://opendev.org/openstack/python-manilaclient/src/branch/master/manilaclient/osc/v2/>

Follow this guide:

<https://docs.openstack.org/python-openstackclient/latest/contributor/command-options.html>

Add your command in setup.cfg:

<https://opendev.org/openstack/python-manilaclient/src/branch/master/setup.cfg#L37>

After making changes in setup.cfg file, might need to run:

```
$ sudo pip install -e . (so you can test your command)
```

Write Unit tests!

Test your code:

```
$ sudo tox (runs all unittests)
$ sudo tox -e pep8 (only codestyle checks)
```

Make sure your command is included in the command reference docs:

<https://opendev.org/openstack/python-manilaclient/raw/branch/master/doc/source/cli/osc/v2/index.rst>

A few notes to keep in mind:

- tenant → project (in osc we use the term project)
- metadata → properties (in osc we use the terms property/properties)
- don't implement a '--columns' argument if you see it for the manila command (see <https://bugs.launchpad.net/python-manilaclient/+bug/1899325> for background)
- add a '--wait' argument if it seems fitting (see <https://blueprints.launchpad.net/manila/+spec/add-waiters> and <https://review.opendev.org/#/c/756396/> for an example)