Cloud Computing -- Spring 2019

OPenstack dashboard & CLi

# dashboard

Horizon: <http://10.3.101.1>

Openstack version: Queens

Username: FLast (First letter of first name and last name)

Password: abc123

Please refer to **https://docs.openstack.org/horizon/latest/user/index.html** for user manual.

# command line interface

### Create a folder for OpenStack files and navigate to that folder.

### Log into openstack dashboard and pull **OpenStack RC File v3** from drop down menu located on up-right side of the page. This is the dro-down labled with your username. The file should be named <FLast>-openrc.sh. Put it into your folder.

### Run following command:

$ source <FLast>-openrc.sh

### Install the OpenStackClient to your machine. You can either install the Python client library or the OpenStack tools for Bash.

### <https://docs.openstack.org/mitaka/user-guide/common/cli_install_openstack_command_line_clients.html>

### Following might be useful for Windows Users:

### <https://github.com/naturalis/openstack-docs/wiki/Howto:-Installing-and-configuring-the-OpenStack-commandline-tools-on-Windows>

### Test your connectivity by using following cheat sheet:

### <https://docs.openstack.org/ocata/user-guide/cli-cheat-sheet.html>

### Always add “—insecure” to your commands

### Example Commands in Bash:

### To view the Instances you have created:

### $openstack server list --insecure

### To view the available Images for your Openstack project:

### $ openstack image list –insecure

### To view the available Flavors for your Openstack project:

### $ openstack flavor list –insecure

### To view the available KeyPairs for your Openstack project:

### $ openstack keypair list --insecure

### To view the available Networks for your Openstack project:

### $ openstack network list --insecure

To build a server:

$ openstack server create --key-name <<key name>>

--image <<image name>>

--flavor <<flavor name>>

--network <<network name>>

<<VM name>> --insecure

# HomeworK

### Write a python script or a shell script that creates an OpenStack VM instance.