



Keystone

List all users

`$ openstack user list`

List Identity service catalog

`$ openstack catalog`

List all services in service catalog

`$ openstack service list`



Glance

List images you can access

`$ openstack image list`

Delete specified image

`$ openstack image delete IMAGE`

Describe a specific image

`$ openstack image show IMAGE`

Update image

`$ openstack set image IMAGE`



Nova

List instances, notice status of instance

`$ openstack server list`

List images

`$ openstack image list`

List flavors

`$ openstack flavor list`

Boot an instance using flavor and image names

`$ openstack server create`

`--image IMAGE --flavor FLAVOR INSTANCE_NAME`

`$ openstack server create`

`--image cirros-0.4.8-x86_64-uec --flavor m1.large \`

`NewInstance`

Show details of instance

`$ openstack server show NAME`

`$ openstack server show NewInstance`

View console log of instance

`$ openstack console-log NewInstance`

Set metadata on an instance

`$ nova meta volumeTwoImage set newmeta='my new meta data'`

Create an instance snapshot

`$ openstack image-create volumeImage`

`snapshot1OfVolumeImage`

`$ openstack image-show`

`snapshot1OfVolumeImage`

Pause instance

`$ openstack server pause NAME`

`$ openstack server pause myinstance`

Stop instance

`$ openstack server stop NAME`

Start instance

`$ openstack server start NAME`

Resize instance

`$ openstack server resize NAME FLAVOR`

`$ openstack server resize myinstance m2.large`

`$ openstack server resize --confirm myinstance`

Rebuild instance

`$ openstack server rebuild NAME IMAGE`

`$ openstack server rebuild myinstance cirros-121`

Reboot instance

`$ openstack server reboot NAME`

`$ openstack server reboot myinstance`



Neutron

Create network

`$ openstack network create NAME`

Create a subnet

`$ openstack subnet create --subnet-pool SUBNET`

`--network NETWORK SUBNET_NAME`

`$ openstack subnet create --subnet-pool 10.0.0.2/30`

`--network network1 subnetwork1`

List network and subnet

`$ neutron net-list`

`$ neutron subnet-list`

Examine details of network and subnet

`$ neutron net-show ID_OR_NAME_OF_NETWORK`

`$ neutron subnet-show ID_OR_NAME_OF_NETWORK`



Cinder

Create a new volume

`$ openstack volume create --size SIZE_IN_GB NAME`

`$ openstack volume create --size 10 MyVolume`

Create a new volume

`$ openstack volume create --size SIZE_IN_GB NAME`

`$ openstack volume create --size 10 MyVolume`

Boot an instance and attach to volume

`$ openstack server create --image cirros-qcow2`

`--flavor m2.large MyVolume`

List volumes

`$ openstack volume list`

Attach volume to instance after instance is active, and volume is available

`$ openstack server add volume INSTANCE_ID VOLUME_ID`

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