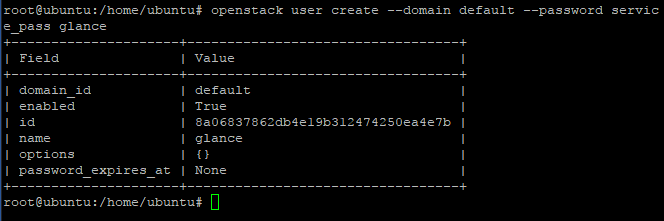
**Lab 03 Install and Configure Glance**

**Step 1 : Create the glance user**

# openstack user create --domain default --password service\_pass glance



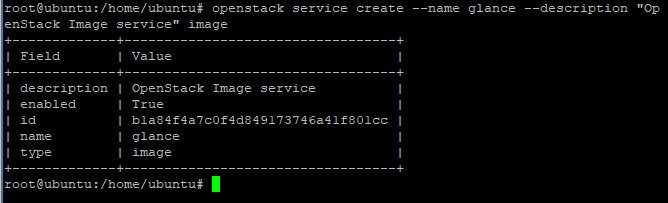
**Step 2 : Add the admin role to the glance user and service project**

# openstack role add --project service --user glance admin



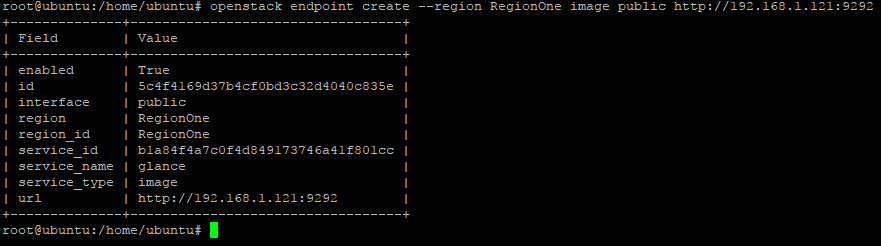
**Step 3 : Create the glance service entity**

# openstack service create --name glance --description "OpenStack Image service" image



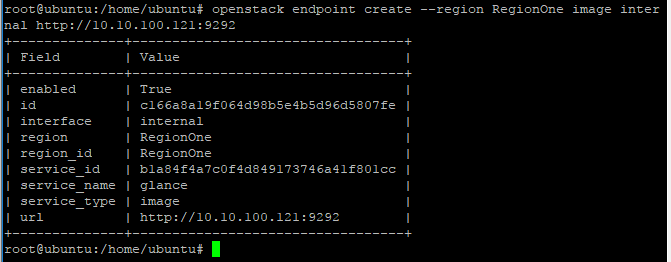
**Step 4 : Create the Image service API endpoints**

# openstack endpoint create --region RegionOne image public http://192.168.0.59:9292



**Step 5 : Create the Image service API endpoints**

# openstack endpoint create --region RegionOne image internal http://192.168.0.60:9292



**Step 6 : Create the Image service API endpoints**

# openstack endpoint create --region RegionOne image admin http://192.168.0.60:9292

##### 

##### Step 7 : Install Glance packages

# apt-get install glance -y

##### 

##### Step 8 : Login to database

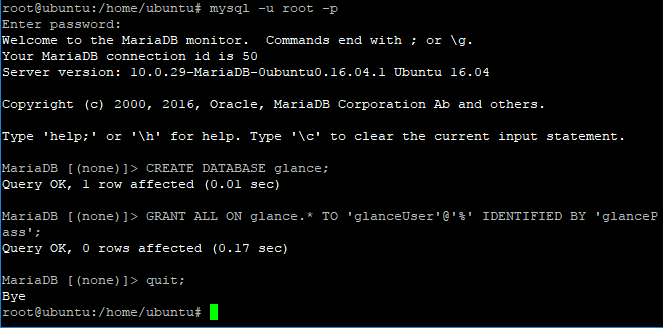
# mysql -u root -p

# CREATE DATABASE glance;

GRANT ALL ON glance.\* TO 'glanceUser'@'%' IDENTIFIED BY 'glancePass';

quit;

**// In my Case Password is “root1234”**



**Step 9: Edit Glance Configuration Files**

# vim /etc/glance/glance-api.conf

[database]

connection = mysql+pymysql://glanceUser:glancePass@192.168.0.60/glance

[glance\_store]

stores = file,http

default\_store = file

filesystem\_store\_datadir = /var/lib/glance/images/

[paste\_deploy]

flavor = keystone

[keystone\_authtoken]

auth\_uri = http://192.168.0.60:5000

auth\_url = http://192.168.0.60:5000

memcached\_servers = 192.168.0.60:11211

auth\_type = password

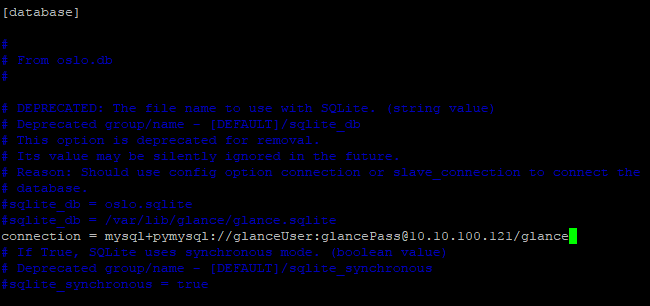
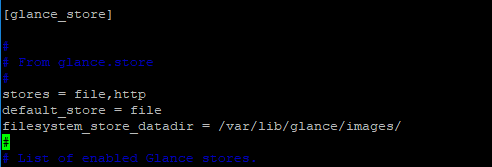
project\_domain\_name = default

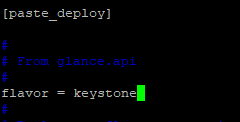
user\_domain\_name = default

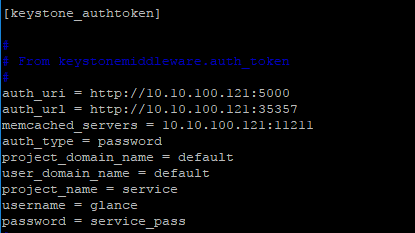
project\_name = service

username = glance

password = service\_pass





**Step 10 : Edit Glance Configuration Files**

# vim /etc/glance/glance-registry.conf

[database]

connection = mysql+pymysql://glanceUser:glancePass@192.168.0.60/glance

(comment below line)

#sqlite\_db = /var/lib/glance/glance.sqlite

[paste\_deploy]

flavor = keystone

[keystone\_authtoken]

auth\_uri = http://192.168.0.60:5000

auth\_url = http://192.168.0.60:5000

memcached\_servers = 192.168.0.60:11211

auth\_type = password

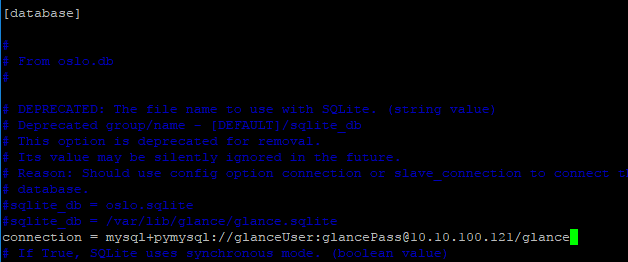
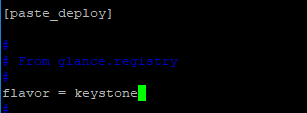
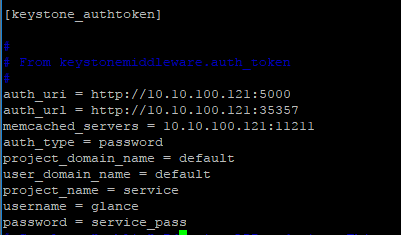
project\_domain\_name = default

user\_domain\_name = default

project\_name = service

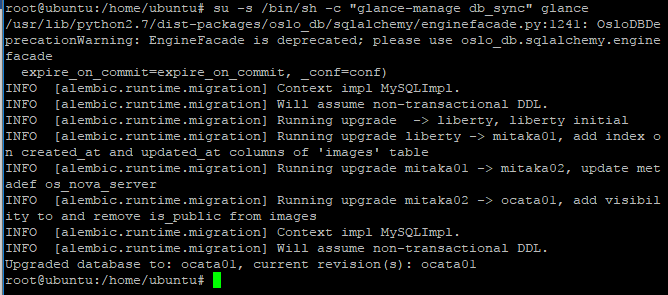
username = glance

password = service\_pass

**Step 11 : Synchronize the glance database:**

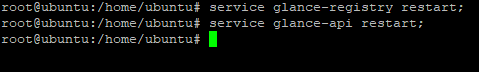
# su -s /bin/sh -c "glance-manage db\_sync" glance



**Step 12 : Restart the services glnce registry again to take into account the new modifications**

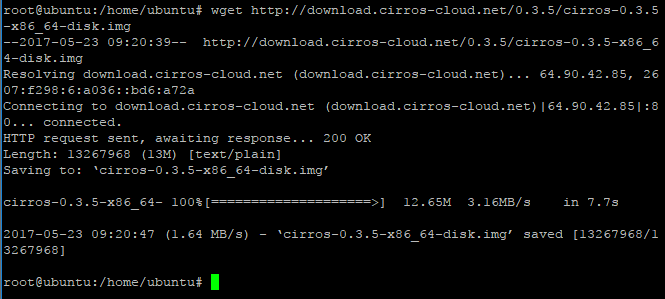
# service glance-registry restart;

service glance-api restart;



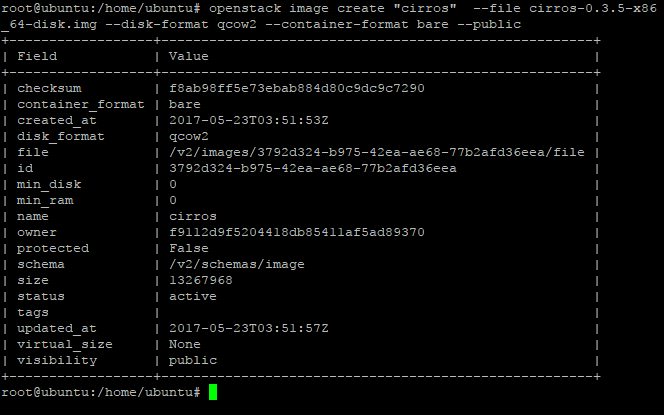
**Step 14 : Download cirroslinux image**

# wget http://download.cirros-cloud.net/0.3.5/cirros-0.3.5-x86\_64-disk.img



**Step 15 : To test Glance, create new image of the cirros cloud image**

# openstack image create "cirros" --file cirros-0.3.5-x86\_64-disk.img --disk-format qcow2 --container-format bare --public



**Step 16 : List Images**

# openstack image list

