**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://192.168.0.180:9292>

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

# openstack endpoint create --region RegionOne image internal <http://10.10.100.181:9292>

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

# openstack endpoint create --region RegionOne image admin <http://10.10.100.181:9292>

##### Step 7: Install Glance packages

# yum install openstack-glance -y

##### Step 8: Login to database

# mysql -u root -p

CREATE DATABASE glance;

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

quit;

**Step 9: Edit Glance Configuration Files**

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

[database]

connection = mysql+pymysql://glanceUser:glancePass@10.10.100.181/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://10.10.100.181:5000>

auth\_url = <http://10.10.100.181:5000>

memcached\_servers = 10.10.100.181:11211

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@10.10.100.181/glance

[paste\_deploy]

flavor = keystone

[keystone\_authtoken]

auth\_uri = <http://10.10.100.181:5000>

auth\_url = http://10.10.100.181:5000

memcached\_servers = 10.10.100.181:11211

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: Start the glance-api service and configure it to start when the system boots**

# systemctl enable openstack-glance-api.service

systemctl start openstack-glance-api.service

**Step 13: Start the glance-registry services and configure it to start when the system boots**

# systemctl enable openstack-glance-registry.service

systemctl start openstack-glance-registry.service

**Step 14: Download cirroslinux image**

# yum install wget -y

# wget <http://download.cirros-cloud.net/0.4.0/cirros-0.4.0-x86_64-disk.img>

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

# openstack image create "cirros" --file cirros-0.4.0-x86\_64-disk.img --disk-format qcow2 --container-format bare --public

**Step 16: List Images**

# openstack image list