镜像服务(Glance)使用户能够发现、登记,并检索虚拟机映像。它提供了 REST API,使您可以查询虚拟机映像元数据和检索一个实际的形象。你可以存储虚拟机映像通过图像服务在不同的位置,从简单的 对象存储系统,如OpenStack对象存储文件系统。

创建该服务的数据库和数据库管理账户

controller#

mysql -u root -p123

CREATE DATABASE glance;

GRANT ALL PRIVILEGES ON glance.\* TO 'glance'@'localhost' \

IDENTIFIED BY 'glance';

GRANT ALL PRIVILEGES ON glance.\* TO 'glance'@'%' \

IDENTIFIED BY 'glance';

exit

创建用户、服务、API

controller#

openstack user create --domain default --password-prompt glance

需要输入密码：

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

openstack service create --name glance \

--description "OpenStack Image" image

openstack endpoint create --region RegionOne \

image public http://controller:9292

openstack endpoint create --region RegionOne \

image internal http://controller:9292

openstack endpoint create --region RegionOne \

image admin http://controller:9292

编辑配置文件（备份配置文件，删除配置文件里的所有数据，使用提供的配置）：

controller#

cp /etc/glance/glance-api.conf /etc/glance/glance-api.conf.bak

vi /etc/glance/glance-api.conf

[database]

connection = mysql+pymysql://glance:glance@controller/glance

[keystone\_authtoken]

auth\_uri = http://controller:5000

auth\_url = http://controller:35357

memcached\_servers = controller:11211

auth\_type = password

project\_domain\_name = default

user\_domain\_name = default

project\_name = service

username = glance

password = glance

[paste\_deploy]

flavor = keystone

[glance\_store]

stores = file,http

default\_store = file

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

cp /etc/glance/glance-registry.conf /etc/glance/glance-registry.conf.bak

vi /etc/glance/glance-registry.conf

[database]

connection = mysql+pymysql://glance:glance@controller/glance

[keystone\_authtoken]

auth\_uri = http://controller:5000

auth\_url = http://controller:35357

memcached\_servers = controller:11211

auth\_type = password

project\_domain\_name = default

user\_domain\_name = default

project\_name = service

username = glance

password = glance

[paste\_deploy]

flavor = keystone

同步数据库：

controller#

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

开机自启动和启动服务

controller#

systemctl enable openstack-glance-api.service \

openstack-glance-registry.service

systemctl restart openstack-glance-api.service \

openstack-glance-registry.service

下载镜像（没有wget命令则yum安装）：

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

准备镜像且上传：

controller#

mv cirros-0.3.5-x86\_64-disk.img /var/lib/glance/images/

cd /var/lib/glance/images/

openstack image create "cirros" \

--file cirros-0.3.5-x86\_64-disk.img \

--disk-format qcow2 --container-format bare \

--public

查看已上传的镜像：

controller#

openstack image list