

- OerCloud Image Upload

```
(undercloud) [stack@osp-director ~]$ mkdir ~/images
(undercloud) [stack@osp-director ~]$ sudo yum install rhosp-director-images
rhosp-director-images-ipa -y
(undercloud) [stack@osp-director ~]$ cd ~/images
```

- images

```
# for i in /usr/share/rhosp-director-images/overcloud-full-latest-13.0.tar
/usr/share/rhosp-director-images/ironic-python-agent-latest-13.0.tar; do tar
-xvf $i; done
overcloud-full.qcow2
overcloud-full.initrd
overcloud-full.vmlinuz
overcloud-full-rpm.manifest
overcloud-full-signature.manifest
ironic-python-agent.initramfs
ironic-python-agent.kernel
```

- qcow libguestfs-tools-c

```
## overcloud-full.qcow2    root
(undercloud) [stack@osp-director images]$ virt-customize -a
~/images/overcloud-full.qcow2 --root-password password:redhat
[  0.0] Examining the guest ...
[ 17.9] Setting a random seed
[ 17.9] Setting the machine ID in /etc/machine-id
[ 17.9] Setting passwords
[ 19.6] Finishing off
```

- OverCloud Image

```
(undercloud) [stack@osp-director images]$ openstack overcloud image upload -
-image-path /home/stack/images/
Image "overcloud-full-vmlinuz" was uploaded.
+-----+-----+-----+-----+
--+-----+-----+
|           ID           |           Name           | Disk
Format | Size | Status |
+-----+-----+-----+-----+
--+-----+-----+
| d8a6d69b-acc6-49a9-a50c-52da04df8109 | overcloud-full-vmlinuz | aki
| 6734128 | active |
+-----+-----+-----+-----+
--+-----+-----+
Image "overcloud-full-initrd" was uploaded.
+-----+-----+-----+-----+
--+-----+-----+
```

```

|           ID           |           Name           | Disk Format
|   Size   | Status |
+-----+-----+-----+-----+
-+-----+-----+
| 440a8ca0-5c66-4a3d-9d4d-ac43f99ee05b | overcloud-full-initrd |   ari
| 66976521 | active |
+-----+-----+-----+-----+
-+-----+-----+
Image "overcloud-full" was uploaded.
+-----+-----+-----+-----+
-----+-----+
|           ID           |           Name           | Disk Format |
Size   | Status |
+-----+-----+-----+-----+
-----+-----+
| 60a5279e-fabf-4bdc-b76a-cb8236cb4776 | overcloud-full |   qcow2   |
1508179968 | active |
+-----+-----+-----+-----+
-----+-----+
Image "bm-deploy-kernel" was uploaded.
+-----+-----+-----+-----+
-----+-----+
|           ID           |           Name           | Disk Format |
Size   | Status |
+-----+-----+-----+-----+
-----+-----+
| 2a5d6a15-425f-4413-a737-d7483f513cf5 | bm-deploy-kernel |   aki     |
6734128 | active |
+-----+-----+-----+-----+
-----+-----+
Image "bm-deploy-ramdisk" was uploaded.
+-----+-----+-----+-----+
-----+-----+
|           ID           |           Name           | Disk Format |
Size   | Status |
+-----+-----+-----+-----+
-----+-----+
| ef1348d5-f250-498d-a430-2acb37a9e617 | bm-deploy-ramdisk |   ari     |
466121877 | active |
+-----+-----+-----+-----+
-----+-----+

```

- upload

```

(undercloud) [stack@osp-director images]$ ls
ironic-python-agent.initramfs  overcloud-full.initrd  overcloud-full-
rpm.manifest                   overcloud-full.vmlinuz
ironic-python-agent.kernel     overcloud-full.qcow2   overcloud-full-
signature.manifest

```

```
(undercloud) [stack@osp-director images]$ openstack image list
+-----+-----+-----+
| ID                | Name                | Status |
+-----+-----+-----+
| 2a5d6a15-425f-4413-a737-d7483f513cf5 | bm-deploy-kernel   | active |
| ef1348d5-f250-498d-a430-2acb37a9e617 | bm-deploy-ramdisk  | active |
| 60a5279e-fabf-4bdc-b76a-cb8236cb4776 | overcloud-full     | active |
| 440a8ca0-5c66-4a3d-9d4d-ac43f99ee05b | overcloud-full-initrd | active |
| d8a6d69b-acc6-49a9-a50c-52da04df8109 | overcloud-full-vmlinuz | active |
+-----+-----+-----+
```

```
(undercloud) [stack@osp-director images]$ ls -l /httpboot
total 461788
-rwxr-xr-x. 1 root          root          6734128 Dec  6 16:15
agent.kernel
-rw-r--r--. 1 root          root          466121877 Dec  6 16:15
agent.ramdisk
-rw-r--r--. 1 ironic        ironic         758 Dec  6 15:53
boot.ipxe
-rw-r--r--. 1 ironic-inspector ironic-inspector 467 Dec  6 15:49
inspector.ipxe
```

•

```
(undercloud) [stack@jy-director ~]$ mkdir templates

openstack overcloud container image prepare \
  --namespace=registry.access.redhat.com/rhosp13 \
  --push-destination=10.10.10.10:8787 \
  --prefix=openstack- \
  --tag-from-label {version}-{release} \
  --output-env-file=/home/stack/templates/overcloud_images.yaml \
  --output-images-file /home/stack/local_registry_images.yaml

sudo openstack overcloud container image upload \
  --config-file /home/stack/local_registry_images.yaml \
  --verbose
```

•

```
(undercloud) [stack@osp-director ~]$ curl
http://10.10.10.10:8787/v2/_catalog | jq .repositories[]
 % Total    % Received % Xferd  Average Speed   Time    Time     Time
Current
                               Dload  Upload  Total  Spent  Left
Speed
100 1502 100 1502    0    0  178k    0 --:--:-- --:--:-- --:--:--
209k
"rhosp13/openstack-aodh-api"
```

```
"rhosp13/openstack-aodh-evaluator"  
"rhosp13/openstack-aodh-listener"  
"rhosp13/openstack-aodh-notifier"  
"rhosp13/openstack-ceilometer-central"  
"rhosp13/openstack-ceilometer-compute"  
...
```

- DNS sub-net

```
(undercloud) [stack@osp-director images]$ openstack subnet set --dns-  
nameserver 8.8.8.8 ctlplane-subnet  
(undercloud) [stack@osp-director images]$ openstack subnet show ctlplane-  
subnet
```

```
+-----+-----+  
--+  
| Field          | Value  
|  
+-----+-----+  
--+  
| allocation_pools | 10.10.10.5-10.10.10.25  
| cidr            | 10.10.10.0/24  
| created_at      | 2019-12-03T05:37:04Z  
| description     |  
| dns_nameservers | 8.8.8.8  
| enable_dhcp     | True  
| gateway_ip      | 10.10.10.1  
| host_routes     | destination='169.254.169.254/32',  
gateway='10.10.10.10' |  
| id              | b6e9c70b-791a-493f-a99d-721571fb345f  
| ip_version      | 4  
| ipv6_address_mode | None  
| ipv6_ra_mode    | None  
| name            | ctlplane-subnet  
| network_id      | f31f42c8-e2f9-43ef-9810-b562918b5569  
| prefix_length   | None  
| project_id      | 29533fc9937e471eba1834f50cd3ccbd
```

```
|
| revision_number      | 1
| segment_id          | None
| service_types       |
| subnetpool_id       | None
| tags                 |
| updated_at           | 2019-12-03T06:35:36Z
+-----+-----+
--+
```

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Last update: **2020/05/08 05:36**

