Redhat Openstack Docker local registry

Last
update:
2019/09/08
02:38

redhat_openstack_
_docker_local_registry_
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https://atl.kr/dokuwiki/doku.php/redhat_openstack_%EC%84%A4%EC%B9%98_%EC%8B%9C_docker_local_registry_%EA%B5%AC%EC%84%B1

Redhat Openstack   Docker local registry
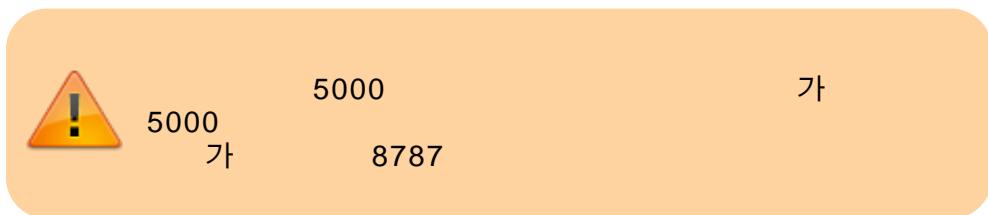
```
# yum install docker-distribution -y
```

/etc/docker-distribution/registry/config.yml   ASSET_SERVER IP
                              .   , ASSET_SERVER   192.168.24.250 IP
                         .

```
http:
    addr: 192.168.24.250:8787
```

     8787   .

> ⚠️   5000
>   5000
>   8787

                    .

```
# systemctl start docker-distribution
# systemctl enable docker-distribution
```

                         (:   ).

```
# firewall-cmd --add-port=8787/tcp --permanent
# firewall-cmd --reload
```

Director

ASSET_SERVER
          .   OpenStack   (   ).

                    .

```
# yum install python-tripleoclient -y
```

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Docker

docker   .   director
docker   .

docker   :

```
# yum install docker -y
```

docker ASSET SERVER   .

> ⚠   .   .

```
# echo 'INSECURE_REGISTRY="--insecure-registry 192.168.24.250:8787"' >>
/etc/sysconfig/docker
```

docker:

```
# systemctl start docker
# systemctl enable docker
```

Red Hat Container Catalog
.   .

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- OSP 12

```
# TAG=$(openstack overcloud container image tag discover \
  --image registry.access.redhat.com/rhosp12/openstack-base:latest \
  --tag-from-label version-release) ; echo $TAG
```

- OSP 13

"$TAG"

.

- OSP 12

```
# docker search registry.access.redhat.com/rhosp12 | awk '{print $2}' | grep
^registry.access.redhat.com | while read IMAGE_NAME
do
  docker pull ${IMAGE_NAME}:${TAG}
  IMAGE_PATH=$(echo ${IMAGE_NAME} | cut -f2- -d/)
  docker tag ${IMAGE_NAME}:${TAG} 192.168.24.250:8787/${IMAGE_PATH}:${TAG}
  docker push 192.168.24.250:8787/${IMAGE_PATH}:${TAG}
done
```

: 192.168.24.250 IP .

- OSP 13

```
# ASSET_SERVER=192.168.24.250
# docker search registry.access.redhat.com/rhosp13| awk '{print $2}' | grep
^registry.access.redhat.com | while read IMAGE_NAME
do
  TAG=$(openstack overcloud container image tag discover --image
${IMAGE_NAME} --tag-from-label {version}-{release})
  echo "Pulling ${IMAGE_NAME}:${TAG} ..."
  docker pull ${IMAGE_NAME}:${TAG}
  IMAGE_PATH=$(echo ${IMAGE_NAME} | cut -f2- -d/)
  docker tag ${IMAGE_NAME}:${TAG} ${ASSET_SERVER}:8787/${IMAGE_PATH}:${TAG}
  docker tag ${ASSET_SERVER}:8787/${IMAGE_PATH}:${TAG}
${ASSET_SERVER}:8787/${IMAGE_PATH}:latest
  docker push ${ASSET_SERVER}:8787/${IMAGE_PATH}
done
```

: 192.168.24.250 IP .

Red Hat Ceph Storage **ceph**

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- OSP 12

```
# docker pull registry.access.redhat.com/rhceph/rhceph-2-rhel7:latest
# docker tag registry.access.redhat.com/rhceph/rhceph-2-rhel7:latest
192.168.24.250:8787/rhceph/rhceph-2-rhel7:latest
```

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```
# docker push 192.168.24.250:8787/rhceph/rhceph-2-rhel7:latest
```

: 192.168.24.250   IP   .

- OSP 13

```
# ASSET_SERVER=192.168.24.250
# docker pull registry.access.redhat.com/rhceph/rhceph-3-rhel7:latest
# docker tag registry.access.redhat.com/rhceph/rhceph-3-rhel7:latest
${ASSET_SERVER}:8787/rhceph/rhceph-3-rhel7:latest
# docker push ${ASSET_SERVER}:8787/rhceph/rhceph-3-rhel7:latest
```

: 192.168.24.250   IP   .

            .

OpenStack Platform   .
openstack overcloud container image prepare
     .

            .

   .

- OSP 12

```
$ source ~/stackrc
(undercloud) $ openstack overcloud container image prepare \
 --namespace=<ASSET_SERVER_IP>:8787/rhosp12 \
 --prefix=openstack- \
 --tag=<TAG> \
 --output-env-file=/home/stack/templates/overcloud_images.yaml
```

- OSP 13

```
  $ source ~/stackrc
(undercloud) $ openstack overcloud container image prepare \
    --namespace=<ASSET_SERVER_IP>:8787/rhosp13 \
    --prefix=openstack- \
    --tag-from-label {version}-{release} \
    --output-env-file=/home/stack/templates/overcloud_images.yaml
```

- https://access.redhat.com/articles/3348761
- https://access.redhat.com/articles/2377701