##

##

1) Some updates need to be done on SERVER " **vagrant ssh registry** "

sudo su -
rpm --import https://repo.almalinux.org/almalinux/RPM-GPG-KEY-AlmaLinux
dnf install -y podman
podman run -d -p 5000:5000 --name registry registry:2
echo " 192.168.88.5 registry.do180.lab" >> /etc/hosts
echo " 192.168.88.4 workstation.do180.lab" >> /etc/hosts

Add below blocks to " vi /etc/containers/registries.conf "

#Add this and see in screenshot>>>
[registries]

```
21
22  [registries]
23  unqualified-search-registries = ["registry.access.redhat.com", "registry.redhat.io", "docker.io"]
24
25  # [[registry]]
```

#Add this and see in screenshot>>>

[registries.search]
registries = ['registry.access.redhat.com', 'registry.redhat.io', 'docker.io', 'registry.do180.lab:5000']

[registries.insecure]
registries = ['registry.do180.lab:5000']

```
82  [registries.search]
83  registries = ['registry.access.redhat.com', 'registry.redhat.io', 'docker.io', 'registry.do180.lab:5000']
84  #registries = ['registry.do180.lab:5000']
85
86  [registries.insecure]
87  registries = ['registry.do180.lab:5000']
88  #registries = ['localhost:5000']
:set number
```

#######Let's do this below steps after config modified above#######

podman search httpd   ####searching from the public repos

podman pull httpd   ####pull image from public repos

podman tag httpd:latest registry.do180.lab:5000/httpd:latest   ####tag the image before pushing to the local repo(registry.do180.lab:5000)

podman push registry.do180.lab:5000/httpd:latest   ####PUSH the image to the local repo(registry.do180.lab:5000)

curl http://registry.do180.lab:5000/v2/_catalog   ####Verify the local repos in the local repo directory

###

2) Some updates need to be done on CLIENT " **vagrant ssh workstation** "

sudo su -
rpm --import https://repo.almalinux.org/almalinux/RPM-GPG-KEY-AlmaLinux
dnf install -y podman

echo " 192.168.88.5 registry.do180.lab" >> /etc/hosts
echo " 192.168.88.4 workstation.do180.lab" >> /etc/hosts

Add below blocks to " vi /etc/containers/registries.conf "
#Add this and see in screenshot>>>   [registries]

```
 21
 22  [registries]
 23  unqualified-search-registries = ["registry.access.redhat.com", "registry.redhat.io", "docker.io"]
 24
 25  # [[registry]]
```

##Add this entries below
[registries.search]
###registries = ['registry.access.redhat.com', 'registry.redhat.io', 'docker.io', 'registry.do180.lab:5000']
registries = ['registry.do180.lab:5000']

[registries.insecure]
registries = ['registry.do180.lab:5000']

```
 82  [registries.search]
 83  #registries = ['registry.access.redhat.com', 'registry.redhat.io', 'docker.io', 'registry.do180.lab:5000']
 84  registries = ['registry.do180.lab:5000']
 85
 86  [registries.insecure]
 87  registries = ['registry.do180.lab:5000']
```

DONE for preparing setup

To confirm repos is working or not
Login to the CLIENT

vagrant ssh workstatsion
sudo su -
curl http://registry.do180.lab:5000/v2/ #### Verify from client to the server: If the registry is running, you'll see an empty JSON response ({}).
curl http://registry.do180.lab:5000/v2/_catalog #### If "httpd" is listed, then you can list its tags:

after verifying all things, we can start the tasks:

podman search httpd
podman pull httpd

DONE to lab setup

Ref: https://github.com/khamidziyo/sampleexam180/blob/main/Questions.md