Images Exercise

You need to go to rol.redhat.com and login and click on join on do280 and see lab section and create your labs and login to workstation with root

Password is redhat

Run all the below commands. It is an custom exercise

lab install-troubleshoot start

source /usr/local/etc/ocp4.config

oc login -u kubeadmin -p ${RHT\_OCP4\_KUBEADM\_PASSWD} <https://api.ocp4.example.com:6443>

oc whoami

yum module install container-tools -y

podman info

podman version

podman images

podman pull quay.io/kushalsamota/centos

podman images

podman pull docker.io/mysql

podman images

podman pull docker.io/mysql:5.6

podman images

#note ---- if docker pull limit error you face move to next command.

podman pull quay.io/kushalsamota/httpd

podman inspect quay.io/kushalsamota/httpd ============ see the cmd and all other things

podman inspect quay.io/kushalsamota/centos ============ see the cmd and all other things

#task -- create a account on docker.io and verify it with email sent to registered email address.

podman login docker.io

#give docker.io username and password and you will see a login succeeded message.

podman images

podman tag <image id of centos> docker.io/<yourdockerusername>/javagpg:v1

podman push docker.io/<yourdockerusername>/javagpg:v1

#go to docker.io and confirm whether the image has been uploaded or not.

podman rmi <imageid of centos image>

podman images

podman system df

podman pull quay.io/kushalsamota/httpd

podman images

podman save <imageid of httpd image> -o httpd.tar

podman rmi quay.io/kushalsamota/httpd

podman images ==== you wont see the image

ls === you will see a tar file

podman load -i httpd.tar

podman images === you will see a image with no name that is a dangling image

podman tag <imageid of that image> httpd:latest

podman images

podman rmi -fa

podman images ==== if you still see some images than remove them with their name by using podman rmi <name of image>

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container exercise

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podman run -itd --name centoscontainer quay.io/kushalsamota/centos

podman ps

podman ps -a

podman rm centoscontainer

podman stop centoscontainer

podman rm centoscontainer

podman ps

podman run -itd --name centoscontainer quay.io/kushalsamota/centos

podman ps

podman run -d --name apachecontainer quay.io/kushalsamota/httpd

podman exec -it apachecontainer bash ==== to go in container

exit

podman ps

podman exec -it centoscontainer hostname

podman exec -it centoscontainer cat /etc/redhat-release

podman exec -it centoscontainer cat /etc/passwd

podman rm -f centoscontainer apachecontainer

podman run -d --name mysqlcontainer -e MYSQL\_ROOT\_PASSWORD=redhat mysql:5.6

podman ps

podman exec -it mysqlcontainer bash

mysql -u root -p ==== give redhat as password on prompt

show databases;

exit

exit

podman ps

podman rm -f mysqlcontainer

podman run -d --name tomcatcontainer docker.io/tomcat:9.0

podman inspect tomcatcontainer ==== see all info about container

podman rm -f tomcatcontainer

podman rm -fa == this will remove all the container forcefully

podman system df

podman ps

podman run --help | grep cpu === you can limit cpu

podman run --help | grep memory === you can limit memory

# copy the file inside container and from container

podman run -itd --name centoscontainer centos

touch /index.html

podman cp /index.html centoscontainer:/

podman exec -it centoscontainer ls /

podman cp centoscontainer:/etc/passwd /

ls /

podman rm -f centoscontainer

podman run -d --name apachecontainer httpd

podman logs apachecontainer

podman rm -f apachecontainer

done...!