Install Package and start service

# dnf install docker

# systemctl restart docker

# systemctl enable docker

# docker ps

# docker ps -a

# docker run hello-world

# docker kill

# docker ps -l #→ last exited

# docker ps

# docker images

# docker rm

# docker rmi

# docker run -it --rm --name ubuntu ubuntu

# cat /etc/lsb-release

# uname -r

# cat /etc/fedora-release

# uname -r

Modify container form within it

docker commit container-id

Docker images

Docker tag image-id my-image

Docker commit container-id image-tag

Docker commit container-id image-tag:v1.1

Docker images

Docker save image-name -o image-name.tar

Docker load -i image-name.tar

Docker images

Tar xvf image-name.tar

–or–

Dnf instal archivemount

Archivemount image-name.tar mountpoint

Chroot mountpoint

Docker run httpd

docker run -it --rm -d httpd

Curl ip of container

Firefox ip of host

Docker run -p 80:80 httpd

docker run -it --rm -d -p 80:80 httpd

Firefox ip of host

Docker run -p 80 httpd

Docker ports httpd-container-id

Docker network ls

Docker network create my-net-1

Docker run –rm -ti –net my-net-1 –name my-server-1 ubuntu

Create containers in different network and see they can not talk to each other

docker run --rm -ti -v /root/data/:/data:z --name fedora fedora bash

Share volumes among two containers

docker run --rm -ti -v /data --name fedora-1 fedora bash

docker run --rm -ti --volumes-from fedora-1 --name fedora-2 fedora

Dockerfile

From fedora

Run echo “Dockerfile demo”

CMD echo “Hello World”

Docker build -t new .

Docker run –rm -ti ubuntu sleep 5

Docker logs container-name