

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