

Docker install commands

CentOS:

```
sudo yum install docker
sudo service docker start
sudo service docker restart
sudo chkconfig docker on //start at boot
```

Verify:

```
docker info
docker -version
```

Search Images:

```
docker search ubuntu
// To limit search
docker search -s 10 ubuntu (limit results to 10)
```

Images and Containers:

```
docker images // shows all images.
docker import // creates an image from a tarball.
docker build // creates image from Dockerfile.
docker commit // creates image from a container, pausing it temporarily if it is running.
docker rmi // removes an image.
docker load // loads an image from a tar archive as STDIN, including images and
tags
docker save // saves an image to a tar archive stream to STDOUT with all parent
layers, tags & versions
docker history // shows history of image.
docker tag // tags an image to a name (local or registry).
```

```
docker create // create container but does not start it
docker rename // allows the container to be renamed
docker run // creates and starts a container in one operation
docker rm // deletes a container
docker update // updates a containers resource limits
```

Docker run Commands

`docker run ubuntu` // run image it immediately die
`docker run -it ubuntu /bin/bash` // run the image and enter into bash
`docker run -it -d ubuntu /bin/bash` // run the image in detach mode i.e run in background

Docker ps Commands

`docker ps` // shows running containers
`docker ps -a` // shows all containers
`docker ps -q` // show only container ids
`docker ps -l` // show last created containers

Setting Environment Variables

`docker run -e FOO=bar -e BAR=foo busybox env` // setting multiple variables
`docker run -e FOO=bar busybox env` // setting environment variables with -e

Docker Volume Commands:

`docker volume create hello` // not working
`docker volume ls`
`docker volume inspect`
`docker run -d -v hello:/world busybox ls /world`
`docker run -it -v /john1 busybox` // with busybox not working

Docker Network Commands:

`docker network create`
`docker network connect`
`docker network ls`
`docker network rm`
`docker network disconnect`
`docker network inspect`

