**Listing containers**

Docker ps list of running containers

Docker ps -a list of all containers

Docker ps -s list of running containers with cpu/memory size

**Inspecting containers**

Docker exec -it <container name / id > bash log into container in bash environment

Docker inspect <container name/id> inspect the container

Docker top <container name/id> instance processes

Docker logs <container name/id> to see the logs of the container

Docker port <container name/id>

Docker diff <container name/id> shows changes on container file system

Docker stats <container name/id> shows consumed resources like memory, CPU, network

Docker export –output=” latest.tar”<container name/id> exports container file system as tar file

Docker system df check docker daemon disk space usage

Docker system prune -af removes images, networks, containers & volumes

**Container & image life cycle**

Docker start <container name/id>

Docker restart <container name/id>

Docker stop <container name/id>

Docker attach <container name/id>

Docker rm <container name/id> delete or remove container

Docker cp <container name/id> <destination path> copy a file out of container

Docker images lists locally stored images

Docker rmi <image name/id> removes locally stored images

Docker save -o <tarball> <imagename> saves image as an tarball so that we can archive or transfer its content

Eg: docker save -o /tmp/myimage.tar busybox

Docker history <imagename> shows the history of the image

**Building images**

docker build .

docker build -f Dockerfile.test . use another docker filename

docker build - - target <stage> . build specific target of a multi-docker file

docker build - - build-arg MYARG=myvalue . pass variables with - - build-arg

docker build - -add-host <hostname>:<target> . inject hostnames