

Docker commands Cheat Sheet

Image Lifecycle

- To create image from dockerfile
docker build [URL]
- To build image demo a docker file and tag it
docker build -t [URL]
- To pull image from registry
docker pull [IMAGE]
- To push image to registry
docker push [IMAGE]
- To create image from container
docker commit [CONTAINER] [New image name]
- To remove an image
docker rmi [IMAGE]
- To load image from a tar archive file as stdin
docker load [TAR_File/STDIN_File]
- To save image to tar
docker save [IMAGE] > [TAR_File]

Start and Stop

- To start container
docker start [CONTAINER]
 - To stop container
docker stop [CONTAINER]
 - To restart container
docker restart [CONTAINER]
 - To pause the processes running in the container
docker pause [CONTAINER]
 - To unpause the processes running in the container
docker unpause [CONTAINER]
- To block the container until another container is stop
docker wait [CONTAINER]

- To kill container

docker kill [CONTAINER]

- To attach local standard input, output and error streams to a running container

docker attach [CONTAINER]

Networking

- To list the networks

docker network ls

- To remove one or more networks

docker network rm [NETWORK]

- To show information on one or more networks

docker network inspect [NETWORK]

- To connect the container to the network

docker network connect [NETWORK] [CONTAINER]

- To disconnect network from container

docker network disconnect [NETWORK] [CONTAINER]

Container Lifecycle

- To create Container without starting it

docker create [IMAGE]

- To rename the Container

docker rename [Old_Name] [New_Name]

- To remove the container after it stops

docker run --rm [IMAGE]

- To start container and keep it running. Mostly useful for OS containers

docker run -td [IMAGE]

- To create start and run cmd in container

docker run -it [IMAGE]

- To create start and run cmd in container and after executing remove the container

docker run -it --rm [IMAGE]

- To delete the container if it is not running

docker rm [CONTAINER]

- To update the configuration of container

docker update [CONTAINER]

Other useful cmd

- To list the running containers

docker ps

- To list all the containers running and stopped

docker ps -a

- To list the logs from the running containers

docker logs [CONTAINER]

- To list low level info of object

docker inspect [OBJECT_NAME/ID]

- To list real time events from container

docker events [CONTAINER]

- To show port mapping from container

docker events [CONTAINER]

- To show running process in container

docker top [CONTAINER]

- To show stats of running container

docker stats [CONTAINER]

- To show the changes to filesystem

docker diff [CONTAINER]

- To show all locally stored images

docker images ls

- To show history of image
docker history [IMAGE]