

CheatSheet for Docker

Docker base controls

List of containers started

docker ps

List of all containers

docker ps -a

Recovers the docker configuration

dock info

Recover docker version

docker version

Builds a Docker image

from a "Dockerfile" or a container.

docker build -t < Image>: <Tag>

Connects to a remote repository

docker login < repository>

Push image to remote repository

docker push < Image_Name>: <Tag>

Extracts the image from the remote repository

docker pull < Image_Name>

Network commands

List of networks

docker network ls

Control network information

docker network inspector < Network>

Create a network

docker network create < Network>

Removes a network

docker network rm < Network>

Connect a container to the network

docker network connect
< Network> < Container>

Specifies the IP address of the container interface

docker network connect --ip
< IP> < Network> < Container>

Disconnect the network container

docker network disconnect
< Network_Name> <Container>

Image Control

List locally available images

docker images

Execute the image

docker run < Image>

Create an image

docker create < Image>: <Tag>

Delete image

docker rmi < Image>

Saving images in a tar archive

docker save < Image>

Search for Docker images

docker search < image>

Recover a docker image

docker pull < image>

Builds an image from a "dockerfile"

docker build -t <image-name> .

Removes all unnecessary docking images

docker image prune

Volume controls

Image controls

docker volume ls

Volume control

docker volume inspector < Volume>

Create a volume

docker volume create < Volume>

Remove volume

docker volume rm < Volume>

Removes unused volumes

docker volume prune

Docker-Compose

Start all services defined in the docker-compose.yml file.

docker-compose up

Stop and remove all containers, networks, and volumes associated with the services defined in the docker-compose.yml file.

docker-compose down

List all containers started by the docker-compose up command, along with their status.

docker-compose ps

View the logs of all containers or a specific service.

docker-compose logs

Build or rebuild all Docker images defined in the docker-compose.yml file.

docker-compose build

Stop all containers started by docker-compose up command without removing them.

docker-compose stop

Restart all containers or a specific service.

docker-compose restart

Run a command in a running container.

docker-compose exec

Pull updated images for services from their respective repositories.

docker-compose pull

Scale the number of containers for a specific service.

docker-compose up --scale
<service>=<n>

-Saurabh Dahibhate