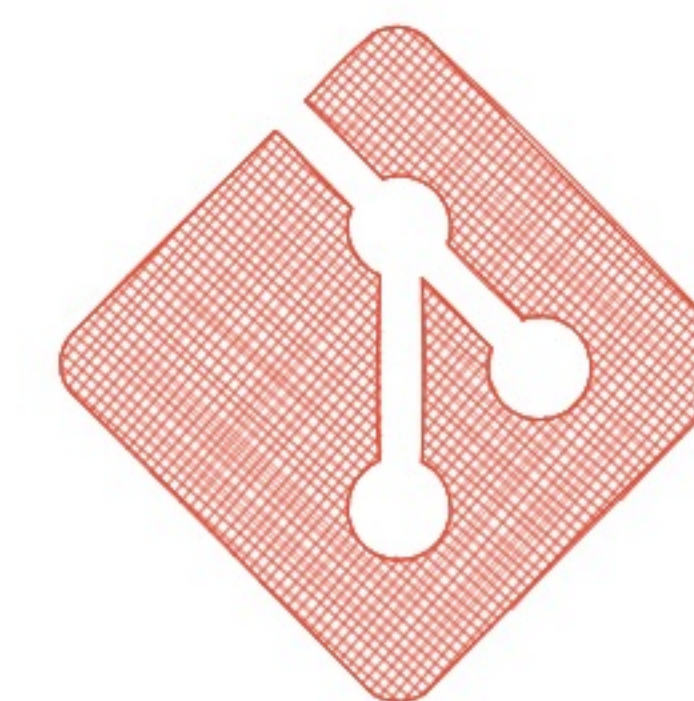


-Docker Cheat Sheet-



@auxmedrano

Run a new Container

Star a new Container from an Image

```
docker run IMAGE:tag
docker run nginx
docker run node:latest
```

Assign it a name

```
docker run --name CONTAINER IMAGE
docker run --name webserver nginx
```

Map a port

```
docker run -p HOSTPORT:CONTAINERPORT IMAGE
docker run -p 8080:80 nginx
```

Map all ports

```
docker run -P IMAGE
docker run -P nginx
```

Start container in background

```
docker run -d IMAGE
docker run -d nginx
```

Assign it a hostname

```
docker run --hostname HOSTNAME IMAGE
docker run --hostname srv nginx
```

Map a local directory into the container

```
docker run -v HOSTDIR:TARGETDIR IMAGE
docker run -v ~/mydir:/usr/share/nginx/html nginx
```

Set environment variables

```
docker run -e ENV_VAR=value IMAGE
docker run -e POSTGRES_PASSWORD=password postgres
```

Manage Containers

Show a list of running containers

```
docker ps
```

Show a list of all containers

```
docker ps -a
```

Delete a container

```
docker rm CONTAINER
docker rm webserver
```

Delete a running container

```
docker rm -f CONTAINER
docker rm -f webserver
```

Delete stopped containers

```
docker container prune
```

Stop a running container

```
docker stop CONTAINER
docker stop webserver
```

Start a stopped container

```
docker start CONTAINER
docker start webserver
```

Start a Shell inside a running container

```
docker exec -it CONTAINER EXECUTABLE
docker exec -it webserver bash
```

Rename a Container

```
docker rename OLD_NAME NEW_NAME
docker rename webserver web
```

Create an image out of container

```
docker commit CONTAINER TAG
docker commit webserver quetzal
```

Manage Images

Download and image

```
docker pull IMAGE[:TAG]
docker pull nginx
```

Upload an image to a repository

```
docker push IMAGE
docker push myimage:1.0
```

Delete an image

```
docker rmi IMAGE
```

Show a list of all images

```
docker images
```

Delete dangling images

```
docker image prune
```

Delete all unused images

```
docker image prune -a
```

Build and image from a Dockerfile

```
docker build DIRECTORY
docker build .
```

Tag an image

```
docker tag IMAGE NEWIMAGE
docker tag ubuntu ubuntu:18.04
```

Build and tag an image from a Dockerfile

```
docker build -t IMAGE DIRECTORY
docker build -t myimage .
```

Info & Stats

Show the logs of a container

```
docker logs CONTAINER
docker logs webserver
```

Show processes of container

```
docker top CONTAINER
docker top webserver
```

Show installed docker version

```
docker version
```

Get detailed info about an object

```
docker inspect NAME
docker inspect webserver
```

Show all modified files in container

```
docker diff CONTAINER
docker diff webserver
```

Show mapped ports of a container

```
docker port CONTAINER
docker port web
```

Networks

Show all networks

```
docker network ls
```

Create a network default drive (bridge)

```
docker network create NETWORK
docker network create atitlan
```

Delete a network

```
docker network rm NETWORK
docker network rm atitlan
```

Get detailed info about a network

```
docker network inspect NETWORK
docker network inspect atitlan
```

Show mapped ports of a container

```
docker port CONTAINER
docker port web
```

Volumes

Show all volumes

```
docker volume ls
```

create a volume

```
docker volume create VOLUME
docker volume create fuego
```

Delete a volume

```
docker volume rm VOLUME
docker volume rm fuego
```

Get detailed info about a volume

```
docker volume inspect VOLUME
docker volume inspect fuego
```

Remove all unused local volumes

```
docker volume prune
```