Docker Cheat Sheet

1. Basic Concepts

- **Image**: Template for containers.

- **Container**: Running instance of an image.

- **Dockerfile**: Instructions to build an image.

- **Docker Compose**: Tool for multi-container management.

2. Important Commands

Images

- docker pull

- docker images

- docker rmi

Containers

- docker run

- docker ps / docker ps -a

- docker stop

- docker rm

Build

- docker build -t name:tag .

Exec

- docker exec -it bash

3. Dockerfile Instructions

- FROM, RUN, COPY, ADD, CMD, ENTRYPOINT, WORKDIR, EXPOSE, ENV

4. Docker Compose

Key sections:

- services

- image / build

- ports

- volumes

- environment

- depends_on