Docker
CLI CHEAT SHEET

Install first

Check the installation guide

Manage images 🐰🐰🐰

Pull an image from a Docker Hub
docker pull <image_name>
ex: docker pull nginx

Build an image from a Dockerfile
docker build -t <new_image_name> -f <dockerfile_path>
ex: docker build -t my-image:latest -f ./Dockerfile

List all local images
docker images

Search Docker Hub for an image
docker search <image_name>

Delete an image
docker rmi <image_name>

Remove all your unused images
docker image prune

Publish an image to Docker Hub
docker push <username>/<your_image_name>
ex: docker push myuser/mycustomnginx:alpha

Manage Containers

Create and run a container from an image
docker run --name <custom_name> <image_name>
ex: docker run --name my-first-image nginx

Run a container and bind the port to your host
docker run -p <host_port>:<container_port> <image_name>
ex: docker run -p 5432:5432 postgres

Run your container in the background
docker run -d <image_name>

Start an existing container (with name or ID)
docker start <container_name> OR <container_id>

Stop an existing container (with name or ID)
docker stop <container_name> OR <container_id>

Remove a stopped container
docker rm <container_name> OR <container_id>

Open a shell inside a running container
docker exec -it <container_name> bash

Show logs of a container
docker logs <container_name>

Inspect a container
docker inspect <container_name> OR <container_id>

List all containers
docker ps -a

List only your running containers
docker ps

View your container usage stats
docker container stats

General commands

List of commands
docker --help

Display system info
docker info

Start background process
docker -d

VScode useful extensions 🧩

Docker Extension by Microsoft

Remote - Containers by Microsoft

Kubernetes Extension by Microsoft

Docker Explorer

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