Cheatography

Docker Cheat Sheet

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Building Docker Images

docker build -t <image_name>:<tag> <path_to_Dockerfile>	Build an image from a Dockerfile

Dockerfile layering template

FROM <image_name>:<tag>	Includes the OS & sometimes the runtime environment
WORKDIR /app	Specifies which directory to work in
COPY . .	Copying everythin in the root directory into app directory
RUN npm install	Installing dependencies
EXPORT port_number	Specifies port number
CMD ["command"]	Command runs in the container not image

docker build -t <image name> .

Managing Docker Images

docker images	List all images
docker image rm <image_name_or_ID>	Remove one or more images
docker image rm <imag_name> -f	Forcefully delete an image even if it is used

Running Docker Containers

docker run --name <name> -p local_port:container_port<image_name>:<tag>	Run a command in a new container with name and specifiying the local port
docker ps	List running containers
docker ps -a	List all containers
docker stop <container_name_or_ID>	Stop one or more running containers
docker start	docker start <container_name_or_ID>
docker container rm <container_name>	Deleting containers

Managing Docker Containers

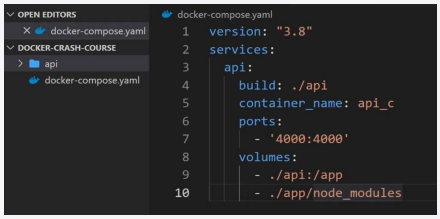
docker rm <container_name_or_ID>	Remove one or more containers
docker exec -it <container_name_or_ID> <command>	Run a command in a running container
docker logs <container_name_or_ID>	Fetch the logs of a container

Docker Compose

docker-compose up	Start services defined in a docker-compose.yml file
docker-compose down --rmi all -v	Stop and remove containers, networks, images, and volumes

for managing multi-container applications

Docker Compose Template



Miscellaneous

docker pull <image_name>:<tag>	Pull an image or a repository from a registry
docker tag <source_image> <target_image>	Create a tag TARGET_IMAGE that refers to SOURCE_IMAGE
docker push <image_name>:<tag>	Push an image or a repository to a registry
docker inspect <container_or_image_name_or_ID>	Display detailed information on one or more containers or images
docker system prune -a	Delete everything

References

https://youtube.com/playlist?list=PL4cUxeGkcC9hxjeEtdHFNYMtC-pjNBm3h7&si=sfdexWN70frLfUah