

Docker Cheat Sheet

by leenmajz via cheatography.com/198109/cs/42007/

Building Docker Images

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

Dockerfile lavering template

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FROM <image_na- me>:<tag></tag></image_na- 	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_n-umber	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_na- me_or_ID></image_na- 	Remove one or more images
docker image rm <imag_nam- e> -f</imag_nam- 	Forcefully delete an image even if it is used

Running Docker Containers

docker runname <name> -p local_port:container_port<imag- e_name="">:<tag></tag></imag-></name>	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></container_name_or- 	Stop one or more running containers
docker start	docker start <container_name- _or_ID></container_name-
docker container rm <containe- r_name></containe- 	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

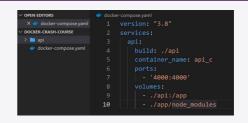
Start services defined in a docker-compose.yml file

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></tag></image_name>	Pull an image or a repository from a registry
docker tag <source_image> <target_image></target_image></source_image>	Create a tag TARGET_IMAGE that refers to SOURCE_IMAGE
docker push <image_na- me>:<tag></tag></image_na- 	Push an image or a repository to a registry
docker inspect <containe- r_or_image_name_or_ID></containe- 	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



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