Gayatri Shinde

DOCKER CHEAT SHEET

COMMAND	USE
sudo apt get update sudo apt install docker.io	Update libraries Install Docker
docker ps	List running container
docker ps -a	List all the container
docker pull	pull an image from a registry
docker push	Push an image to registry
docker images	List available images
docker run	run a container from an image *docker run img_name:tag || docker run mysql:latest* - *we can define name by --name* • *we defile volume using -v || ex: -v mysql-data:/var/lib/mysql*
docker stop <container_ID>	Stop the running container
docker restart <container_ID>	Restart the container
docker start <container_ID>	Start the container
docker pause <container_ID>	Pause the container
docker unpause <container_ID>	Unpause the container
docker rm <container_ID>	Remove a container

docker rmi <image_ID>	Remove image
docker kill <container_ID>	Send a signal to a container to stop it abruptly
docker build	Build an image from a Dockerfile "*docker build -t java-app:latest .*"
docker volume ls	List available volumes
docker volume create <name>	Create volume *"docker volume create mysql-data"*
docker volume inspect <name>	Show information of the volume *"docker volume inspect mysql-data"*
docker volume rm	Remove the volume
docker network ls	List all docker network - ***Bridge*** *-> default n/w* • ***Host*** *-> we create this n/w & connect it to the containers so all the ports of the host machine will get connect automatically.* • ***None*** *-> make container complete isolate that it will not be able to expose the port* • ***User defined bridge*** *-> type of n/w that we will create*
docker network create <name>	create new network || user defined bridge *"docker network create two-tier"*
docker network connect	Connect a container to a network
docker network disconnect	Disconnect a container from a network
docker port	Show mapped ports of a container
docker logs	Show the logs of container
docker exec	execute a command inside a running container
docker inspect	Show information about a container

docker cp	Copy files between a container and the host
docker commit	Create a new image from a container's changes
docker login	Log in to a registry
docker logout	Log out of the registry
docker tag	Tag an image with a new name
docker export	Export the contents of a container as a tar archive
docker import	create a new image from a tar archive
docker save	save an image as a tar archive
docker load	load an image from a tar archive
docker top	show the processes running inside a container
docker stats	show resource usage statistics of containers
docker diff	show the changes made to a container's filesystem
docker events	show the events generated by Docker
docker history	show the history of an image
docker wait	wait for a container to exit and return its exit code
docker attach	attach to a running container's console
docker buildx	build and push multi-platform images
docker compose	manage multi-container applications with Docker Compose
docker swarm	create and manage a cluster of Docker nodes
docker system prune	create and manage a cluster of Docker nodes
docker system df	show the usage of Docker objects
docker system events	show the events generated by Docker on the system