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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
docker system info	show the system-wide information about Docker
docker system inspect	show detailed information about Docker objects
docker system logs	show the system logs of Docker
docker system version	show the version of Docker installed on the system