Day 20 Task: Docker Cheat-Sheet.

Docker Setup in EC2

Allows access to port 80 (HTTP) from anywhere

Package manager - sudo yum update -y

Installing docker - sudo yum install docker -y

Docker start - sudo service docker start

To give permissions if "Permissions denied" error pops up - sudo usermod -a -G docker ec2-user

Docker Registries & Repositories

Login to a Registry - docker login

Logout from a Registry - docker logout

Searching an Image - docker search nginx

Pulling an Image - docker image pull nginx

Pushing an Image - docker image push nginx

Running Containers

Creating a Container - docker container create -t -i filename --name filename

Running a Container - docker container run -it --name filename -d filename

Renaming a Container - docker container rename filename filename1

Removing a Container - docker container rm filename

Starting & Stopping Containers

Starting - docker container start nginx

Stopping - docker container stop nginx

Restarting - docker container restart nginx

Pausing - docker container pause nginx

Unpausing - docker container unpause nginx

Blocking a Container - docker container wait nginx

Connecting to an Existing Container - docker container attach nginx

Getting Information about Containers

From Running Containers

Shortest way - docker ps

Alternative - docker container ls

From All containers - docker ps -a or docker container ls -a

Container Logs - docker logs

Managing Images

Listing Images - docker image ls

Building Images

From a Dockerfile in the Current Directory - docker build .

From a Remote GIT Repository - docker build github.com/creack/docker-90daysdevops

Instead of Specifying a Context, You Can Pass a Single

Dockerfile in the URL or Pipe the File in via STDIN - docker build - < Dockerfile

Removing an Image - docker image rm nginx

Docker Volume

Docker volume create: docker volume create <volume-name>

Docker volume ls : docker volume ls

Docker volume inspect : docker volume inspect <volume-name>

Docker volume rm : docker volume rm <volume-name>

Docker volume prune : docker volume prune

Docker Compose:

Docker-compose up: docker-compose up

Docker-compose ps: docker-compose ps

Docker-compose down: docker-compose down

Docker-compose logs: docker-compose logs <service>