

Docker Course Content

Duration: 15-20 Hours

Docker Overview

Docker Architecture

Images and layers

Underlying technology of Docker like namespaces, cgroups etc.,

Docker CE Vs Docker EE and supported platforms

Pulling images from Docker registry

The Docker Hub

Docker Engine Installation on Linux Servers (CentOS/Ubuntu)

Docker commands

Images, ps, pull, push, run, create, commit, attach, exec, cp, rm, rmi, login, export, import, pause, unpause, system, volumes, build, rename, save, tag, network, logs, port, search, history

Docker network

Container volume management

Creating custom network (bridge)

Building custom images using Dockerfile and through container and pushing to the Docker hub

Creating containers with limited resources (CPU, memory etc.,)

Building apache with mysql database storage using Dockerfile

Assigning/remove multiple network to the running container.

Selecting storage driver for the Docker Engine

Setting limit on the resource like CPU, memory for running container

Container lifecycle