Docker Course Curriculum

Introduction to Containerization

- Containerization

- History of Containers

- Namespaces and Cgroups

- Containers vs. Virtual Machines

- Types of Containers

- Introduction to Docker

- Docker Architecture

- Container Lifecycle

- Docker CE vs. Docker EE

The Docker Engine

- Docker Engine

- Configuring Logging Drivers

- Docker Terminology

- Port Binding

- Detached vs. Foreground Mode

- Docker CLI

- Docker Exec

- Restart Policy

Image Management and Registry

- Dockerfile

- Dockerfile Instructions

- Build Context

- Docker Image

- Docker Registry

Storage in Docker

- Docker Storage

- Types of Persistent Storage

- Volumes

- Bind Mounts

- tmpfs Mount

- Storage Drivers

- Device Mapper

- Docker Clean Up

Orchestration in Docker

- Docker Compose

- Docker Swarm

- Docker Service

- Service Placement

- Rolling Update and Rollback

- Docker Stack