

Day - 1

- What is Virtualization?
- What is Containerization?
- Why Containerization?
- How Docker is good fit for Containerization?
- How Docker works?
- Docker Architecture
- Docker Installations & Configurations
- Docker Components
- Docker Engine
- Docker Image
- Docker Containers
- Docker Registry
- Docker Basic Workflow
- Managing Docker Containers
- Creating our First Image
- Understanding Docker Images
- Creating Images using Dockerfile
- Managing Docker Images
- Using Docker Hub registry
- Docker Networking
- Docker Volumes.

Day - 2

- Deepdive into Docker Images
- Deepdive into Dockerfile
- Deepdive into Docker Containers
- Deepdive into Docker Networks
- Deepdive into Docker Volumes
- Deepdive into Docker Volume
- Deepdive into Docker CPU and RAM allocations
- Deepdive into Docker Config
- Docker Compose Overview
- Install & Configure Compose
- Understanding Docker Compose Workflow
- Understanding Docker Compose Services
- Writing Docker Compose Yaml file
- Using Docker Compose Commands
- Docker Compose with Java Stake
- Docker Compose with Rails Stake
- Docker Compose with PHP Stake
- Docker Compose with Nodejs Stake

- **Understanding the Docker Security**
- **Explore the world of orchestration**
- **Docker for Windows Installation & Configuration - Docker for Windows**
- **Docker for Windows - Understanding Docker for Windows**
- **Docker for Windows - Running DOTNET Stake Applications**
- **Docker Machine - Manage Large numbers of Docker Server**
- **Kitematic - Manage Docker Images and Containers using GUI tool**
- **Using Docker Hub registry**
- **Setting up Docker Registry using Amazon ECS**
- **Setting up Docker Registry using Sonatype Nexus**
- **Setting up Docker Registry using Artifactory**
- **Setting up Docker Registry using registry**
- **Integrating Docker with DevOps Automated Workflows**
- **Configuring Using Docker in Dev Env**
- **Configuring Using Docker in QA Env**
- **Configuring Using Docker in Integration Env**