Docker and Kubernetes Basics

Course Duration: 1 Day / 8 Hours

Theory of Contents:

1. **Introduction on Docker**

   Explore the basic requirements on containerization

   Learn about the overview on Docker Container Runtime Engine

   Understandings the architecture and workflow on containerization using Docker

   Learn about container image registry

2. **Docker CLI Commands**

   Understanding the CLI commands

   Exploring the commands through containerization

3. **Introduction on Kubernetes**

   Learn about the overview on Kubernetes Orchestration Tool

   Understanding the architecture and workflow on Kubernetes

   Explore the components on Kubernetes

4. **Kubernetes Installation**

   Discuss about the Kubectl CLI Tool

   Understanding the kubeadm tool for Kubernetes Installation
   Kubernetes Installation and Management

5. **Basic Kubernetes objects**

   Explore and creation of Kubernetes objects

   Implementing orchestration through Kubernetes