DevTestOps

Duration: 4 Days (8hrs/day)

Prerequisites:
- Understanding Docker and Kubernetes
- Knowledge of Jenkins

Course Objective: This comprehensive DevTestOps course will help you to understand and implement DevTestOps.

Lab Requirement: Koenig-DC

Module 1 – Introduction to DevTestOps

What is DevTestOps

How DevTestOps works?

Benefits of DevTestOps

Module 2 – Foundation of DevTestOps

Principles and Practices

Shift-Left Testing

Continuous Testing

Collaboration and Shared Responsibility

Module 3 – Implementing DevTestOps

DevTestOps Pipeline

Tools for DevTestOps:

CI/CD Tool – Jenkins

- Test Automation Tools – Selenium, Junit
- Monitoring Tools – Prometheus, Grafana
- Deployment – Docker and Kubernetes

Creating Jenkins Pipeline to build and test application then automatically deploy to Docker and Kubernetes