

COURSE AGENDA

With 8 Volumes of Learning Plan

Volume 1

DevOps Essentials

Topics

- Why DevOps?
- What is DevOps?
- DevOps market trends
- DevOps engineer skills
- DevOps Delivery Pipeline
- DevOps Ecosystem

Volume 2

Build Tools-GIT & Jenkins

Topics

- Introduction to VCS & GIT
- GIT File Workflow
- Important GIT Commands
- Introduction to Continuous Integration and Jenkins
- Plugin Management in Jenkins
- Various Scenarios of Building Delivery Pipeline

Volume 3

Build & Test Automation

Topics

- ◆ Build Setup in Jenkins
- ◆ Test Automation
- ◆ Security in Jenkins
- ◆ Notification System

Volume 4

Containerization Using Docker

Topics

- ◆ What & Why use of Containers
- ◆ Introduction to Docker
- ◆ Docker Fundamentals
- ◆ Image Distribution
- ◆ Docker Containers

Volume 5

Docker Commands & Use-cases

Topics

- ◆ Docker Network
- ◆ Docker Volumes
- ◆ Docker Files

Volume 6

Puppet - 1

Topics

- ◆ Puppet Introduction
- ◆ Puppet Architecture
- ◆ Basic Puppet Terminologies
- ◆ Puppet Language Constructs

Volume 7

Puppet - 2

Topics

- ◆ Puppet Modules
- ◆ Node Classification
- ◆ Puppet Environment
- ◆ Puppet Classes
- ◆ Puppet Template

Volume 8

Continuous Monitoring Using Nagios

Topics

- ◆ Combined Jenkins
- ◆ Docker and Puppet
- ◆ Introduction to Nagios
- ◆ Nagios Plugins, Nagios Objects
- ◆ Nagios Commands
- ◆ Nagios Notification