



DevOps Training



Introduction to DevOps

- What is DevOps?
- Why DevOps is popular?
- DevOps in Agile Practices
- DevOps duties

GIT

- Version controllers basics
- Why Version controllers
- Installation & Configuration
- Version controller deep dive
- Interview questions

Maven & Ant

- Introduction to build tools
- Importance of build tools
- Installation
- Build commands
- Build life cycles
- Understanding artifacts
- Interview questions

Understanding Software Infrastructure & Servers

- Understanding IT infrastructure
- Installing Servers(Apache/Tomcat)
- DevOps work flow
- Interview questions

Jenkins

- Jenkins installation
- Jenkins setup
- Creating users
- Managing permissions
- Creating Jobs
- Configuring Master Slave
- Emails server configuration
- Email notifications
- Automatic builds
- Plugin Installations
- Interview questions

Integration with Jenkins

- Maven integration
- Sonarqube integration
- Nexus integration
- Interview questions
- Git integration
- Gerrit integration
- Interview questions

Source Code Handler Tools

- Eclipse
- Git Bash
- Source Tree

d. Interview questions

Virtualization & Docker Container

- a. Virtualization basics
- b. Virtualization advantages
- c. Containerization Basics
- d. Containerization vs Virtualization
- e. Deployments using Docker Containers
- f. Interview questions

Infrastructure Automation Tools : Chef & Ansible

- a. Architecture
- b. Installations
- c. Basic working commands
- d. Interview questions

UNIX & Shell scripting

- a. Unix fundamentals
- b. Unix important commands
- c. Fundamentals UNIX Shell scripting
- d. Interview questions

Code Analysis Tools: Sonarqube

- a. Installation
- b. Setup
- c. Tool functionality
- d. Interview questions

Artifactory: Nexus & JFrog

- a. Installation
- b. Setup
- c. Tool functionality
- d. Interview questions

Code Coverage: Gerrit & Crucible Fish Eye

- a. Architecture
- b. Setup
- c. Tool functionality
- d. Interview questions

Code Collaboration Tools: Bitbucket & Github

- a. Account setup
- b. Repository creation
- c. Branches creation
- d. Pull Request
- e. Merge Conflict Resolve
- f. Interview questions

Amazon Web Service

- a. Why AWS for DevOps
- b. EC2 Instance creation

Project

- a. Sample Build and Deploy project

