



Duration: 45 hours

1. Devops basics

- Overview
- Stages, CI, CD

2. Linux commands (Bonus topics)

3. Git

- Overview
- Branching strategies
- Installation
- Important Git commands

4. Jenkins, Maven, Nexus, SonarQube - (8 hours)

- Overview
- Installation
- Tomcat Setup
- Setup
- Maven Setup
- Configuration
- Management
- Setup Build Jobs
- Notification
- Reporting
- Code Analysis
- Automated Deployment
- Metrics and Trends
- Server Maintenance* Continuous Deployment*Managing Plugins
- Security Backup Plug-in

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5. Ansible

- Overview and architecture
- Adhoc commands
- Ansible modules
- Ansible playbook, handlers and variable

6. Docker

- overview
- architecture
- Installation
- Docker file
- Build Docker image
- Docker hub

7. Kubernetes

- overview
- architecture
- Installation
- Labels, selectors, replication controller, replica sets
- Deployment objects
- Volumes DEV
- Networking
- Namespaces and resource quotas

8. Monitoring

- Nagios/Prometheus

9. Infrastructure as code- Terraform /CloudFormation

10. Project, Interview questions and resume buildup, Production use cases