

Duration: 35 hours

1.Devops basics

- Overview
- Stages, CI ,CD

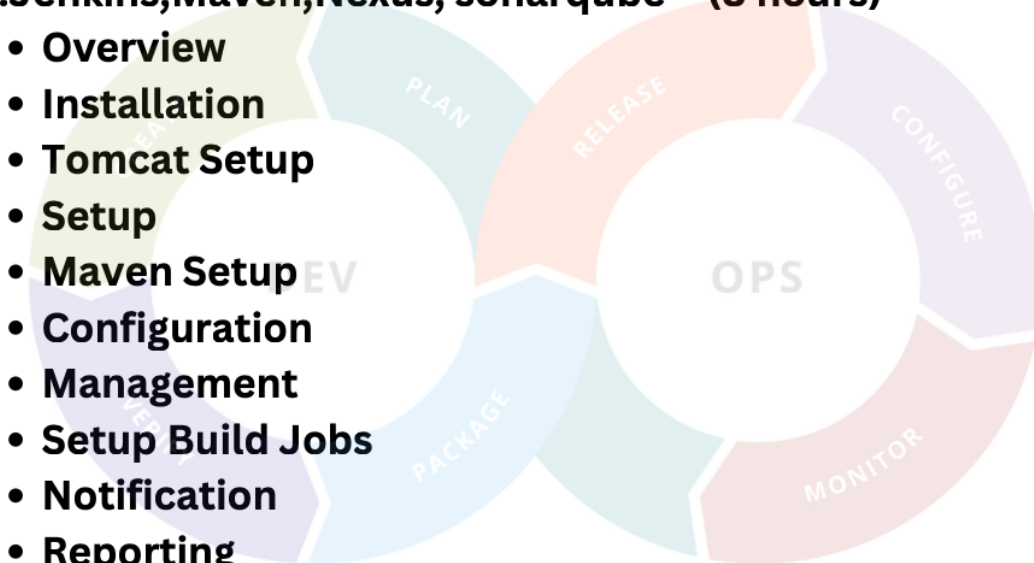
2.Linux commands (Bonus topics)

3.Git

- Overview
- Installation
- Important Git commands
- Branching strategies

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 Plugin



5. Ansible

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

6. Docker

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

7. Kubernetes

- overview
- architecture
- Installation
- Labels, selectors, replication controller, replica sets
- Deployment objects
- Volumes
- 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

