Devops course

Devops Training In Online

- Devops Classroom and Online training.
- Real time projects, Interviews and Job Support
- Get trained by industry expert.

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Job Roles After Devops Training

- DevOps Engineer
- System Engineer
- DevOps Architect
- System Administrator
- DevOps Consultant

Curriculum

Difference between SDLC, Agile and DevOps

- Fundamentals of Web Applications
- Introduction to Software Development Life Cycle (Application Lifecycle Management)
- Essential Technologies of SDLC
- Execution of Software Development Life Cycle (Application Lifecycle Management)
- Introduction to Continuous Integration – CI
- Introduction to Continuous Deployment – CD

Operating Systems/Linux

- Introduction to Linux OS
- Linux Architecture
- Understanding Command Line Interface – CLI
- Understanding Linux File System
- Using Text Editor (vi)
- File & Directory Management
- Package Management
- User Management
- File Permissions
- Service Management
- Configure Firewalls to secure the application
- Understand how IP addresses, ports, and DNS works
- Load Balancers
- HTTP/HTTPS

Version Control System Management (GitHub)

- Introduction to Source code management
- Git Introduction
- Git Architecture
- Git Workflow
- Git Branching Model
- Git Merging Branches
- Git Forking
- Undoing Changes
- Git Ignore
- GitHub For Remote Repositories
- Using existing GIT Repositories with Clone
- Pull Requests

Learn Cloud Computing – (AWS)

- Fundamentals of Datacenter
- Fundamentals of Servers
- Fundamentals of Cloud Computing
- Cloud Providers – AWS vs Azure vs GCP
- Basics of AWS
- Working with AWS

Jenkins for CI/CD

- Overview of Jenkins
- Setting Up Jenkins
- Setting Up Build Jobs
- Build Parameters
- Build Triggers
- Jenkins Plugins
- Jenkins Pipelines
- Jenkins Integrations
- Creating Jenkins Users
- Upstream and Downstream Jobs
- Poll SCM
- Build periodically

Containerization with Docker

- Introduction to Containerization
- Virtualization using Virtual Machines
- Virtual Machines vs Docker
- Docker Architecture
- Components of Docker
- Setting up Docker
- Docker Registry
- Docker Images Vs Docker Containers
- Running Docker Containers
- Docker Volumes
- Containerize Applications
- Creating Docker Container from Docker Image
- Sharing images using Docker Hub
- Docker port expose
- Docker push

Build tool Maven

- Introduction to Maven
- Architecture of Maven
- Maven Goals
- Triggering Build with Maven
- Installation of Maven in Linux server

Orchestration with Kubernetes

- Introduction to Container Orchestration
- Container Orchestration Tools
- Overview of Kubernetes
- Kubernetes Architecture
- Components of Kubernetes
- Understanding and running Containers
- Running Pods of Containers
- Replica Sets, Deployments and Services

Configuration Management with Ansible

- Complexity in Infrastructure Management
- Introduction to Configuration Management Tools
- Tomcat setup using playbooks
- Introduction To Ansible
- Ansible Setup
- Ansible Inventory
- Ansible Modules
- Ansible Ad-Hoc Commands
- Introduction To YAML
- Ansible Playbooks
- Ansible Vault
- Ansible Templates

Infrastructure as a Code with Terraform

- Terraform Installation
- Understanding Terraform HCL
- Terraform with AWS
- Setup Highly Available Infrastructure Using Terraform

Monitoring with Grafana and Prometheus

- Introduction to Monitoring
- Grafana Introduction
- Grafana Overview
- Installing Grafana on a Linux Server
- Creating Grafana Dashboards
- Introduction to Prometheus
- Monitoring
- Alerting

Scripting with YAML For Ansible Playbooks

- Creating Ansible Playbooks
- HCL Scripting with Terraform

Final Project – DevOps Pipeline Project

- Integrating with Git, Maven, Docker, Aws

Resume Preparation and Interview tips

- Resume Preparation and Interview tips

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FAQ

- Who should take this course?
- What are the prerequisites for the Devops Course?
- When are the classes conducted?
- What is the duration of the Course?
- What is the duration of the class?
- What is the course curriculum?

Want to contact us?

We help you go farther than you ever dreamed, 24/7.

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