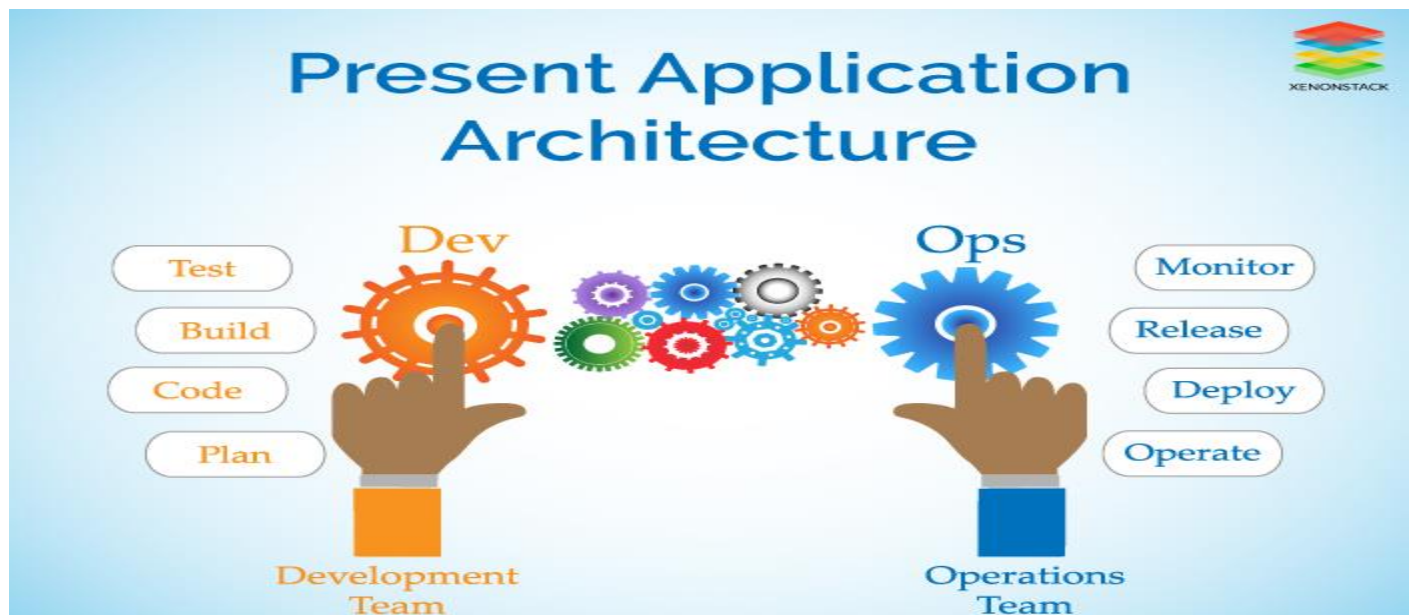
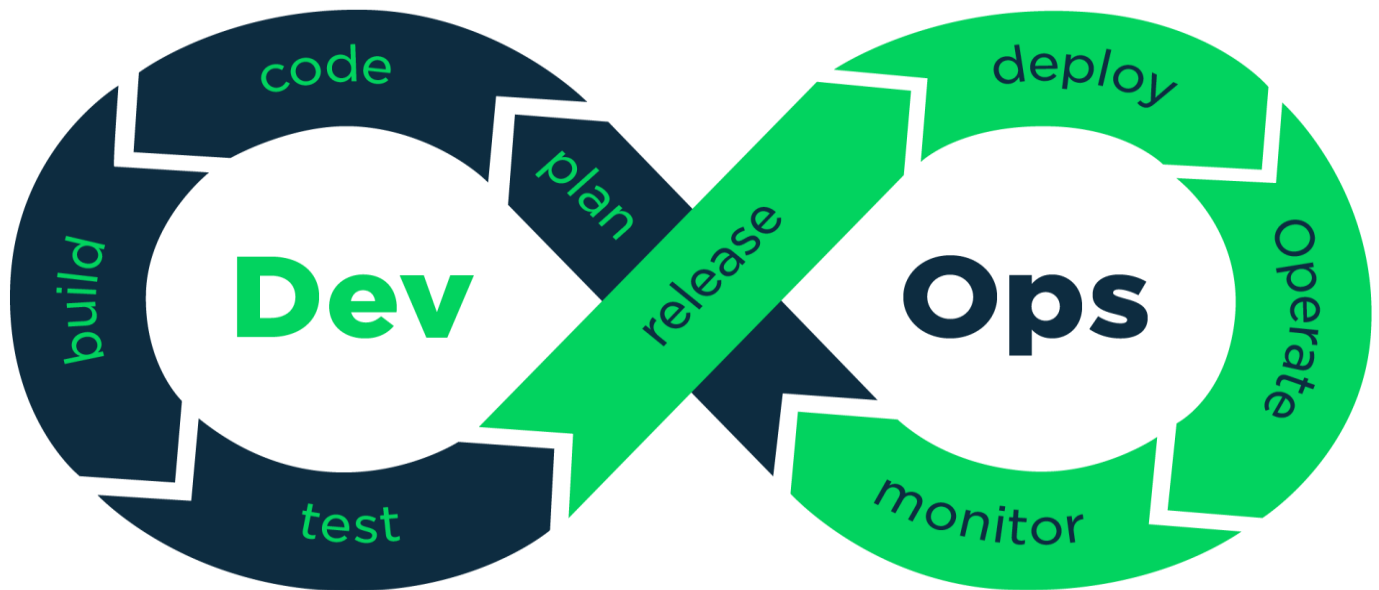




LEARN TODAY AND LEAD TOMMOROW



Overview

Let eMexo Technologies **Best DevOps Training in Electronic City, Bangalore** take you from the fundamentals of DevOps to Advance DevOps and make you an expert in developing real time DevOps applications. Here are the major topics we cover under this DevOps course Syllabus. Getting Started – DevOps Concepts, Tools, and Technologies, Get Into Linux Commands For DevOps, Source code management, Continuous Integration with Jenkins 2 (Maven, Junit, GitHub, Nexus, SonarQube, Apache Tomcat), Building the Code and Configuring the Build Pipeline, Docker (Container Technology), Ansible (Configuration Management Tool), End to End real-time integration and deployment tasks, Monitoring (Prometheus, node exporter, grafana, cAdvisor), Kubernetes.

All the topics will be covered with Practical and hands on training. Our trainers have industry experience with live project experience in cutting edge technologies which they teach. We hire only Best DevOps industry specialists as trainer for our **DevOps Training in Electronic City**.

If you are looking for **DevOps Training in Electronic City**, eMexo Technologies is the **Best DevOps Training Institute in Electronic City**. Come over to our training institute for a free demo class. Let our trainer give you a demo on DevOps and only then you take the decision to enroll into the DevOps Training in Electronic City.

Training Features

Expert Instructors

60 hours of Instructor led Classes. Weekend class: 20 sessions of 3 hours each and Weekday class: 30 sessions of 2 hours each.

Real life Case Studies

Do a real life case study to understand the usage on real world scenarios.

Assignments

Each class will be followed by practical assignment which can be completed before the next class.

Unit 1 : Overview of DevOps

- Introduction to DevOps
- Benefits of working in a DevOps environment
- DevOps Lifecycle
- DevOps Stages
- DevOps Delivery Pipeline

Unit 2 : Version Control with Git

- Version Control
- Git Introduction
- Git Installation
- Commonly used commands in Git
- Working with Remote repository
- Hands On

Unit 3 : Git, Jenkins & Maven Integration

- Branching and merging in Git
- Merge Conflicts
- Stashing, Rebasing, Reverting and Resetting
- Git Workflows
- Introduction to Maven
- Maven Architecture
- Introduction to Continuous Integration
- Introduction to Jenkins
- Hands On

Unit 4 : Continuous Integration using Jenkins

- Jenkins Architecture
- Plugin Management in Jenkins
- Jenkins Security Management
- Notification in Jenkins
- Jenkins Master-slave architecture

- Jenkins Delivery Pipeline
- Jenkins Declarative pipeline
- Hands On

Unit 5 : Configuration Management Using Ansible

- Introduction to Configuration Management
- Infrastructure as Code
- Introduction to Ansible
- Ansible Architecture
- Inventory Management
- Ansible Modules
- AD-HOC Commands
- Ansible Playbooks
- Ansible Roles
- Hands On

Unit 6 : Containerization using Docker Part – I

- Containerization
- Namespaces
- Docker
- Docker Architecture
- Container Lifecycle
- Docker CLI
- Port Binding
- Detached and Foreground Mode
- Dockerfile
- Dockerfile Instructions
- Docker Image
- Hands On

Unit 7 : Containerization using Docker Part – II

- Docker Registry
- Container Storage
- Volumes

- Docker Compose
- Docker Swarm
- Hands On

Unit 8 : Orchestration using Kubernetes Part - I

- Introduction to Container Orchestration
- Kubernetes Core Concepts
- Understanding Pods
- ReplicaSet and Replication Controller
- Deployments
- DaemonSets
- Rolling Updates and Rollbacks
- Scaling Application
- Hands On

Unit 9 : Orchestration using Kubernetes Part - II

- Services
- Persistent Storage in Kubernetes
- Primitives for PersistentVolumeClaims
- Secrets and ConfigMaps
- Headless Services
- StatefulSets
- Helm Charts
- Hands On

Unit 10 : Monitoring using Prometheus and Grafana

- Introduction to Prometheus and Grafana
- Prometheus and Grafana Setup
- Monitoring using Prometheus
- Dashboard Visualization using Grafana
- Creating a Dashboard to monitor the Pipeline
- Hands On

Unit 11 : Provisioning using Terraform Part - I

- Introduction to Terraform
- Terraform vs Ansible
- Terraform Architecture
- Terraform Configuration
- Terraform Common Commands
- Managing Terraform Resources
- Hands On

Unit 12 : Provisioning using Terraform Part - II

- Terraform State
- Terraform Project
- Hands On

Unit 13 : Selenium (Self-Paced)

- Introduction to Selenium
- Why Selenium?
- Selenium – Webdriver
- Creating Test Cases in Selenium WebDriver (Waits)
- What and why X-Path
- Handling different controls on Webpage
- Framework in Selenium
- Selenium Integration with Jenkins
- Implementation of Selenium in the Edureka's Project
- Hands-On

Unit 14 : Nagios (Self-Paced)

- Introduction to Continuous Monitoring
- Introduction to Nagios
- Installing Nagios
- Nagios Plugins(NRPE) and Objects
- Nagios Commands and Notification
- Hands-On

Unit 15 : DevOps on Cloud (Self-Paced)

- Why Cloud?
- Introduction to Cloud Computing
- Why DevOps on Cloud?
- Introduction to AWS
- Various AWS services
- DevOps using AWS

Unit 16 : AWS EC2 and IAM (Self-Paced)

- Virtualization
- Amazon Web Services (AWS)
- Benefits of AWS
- AWS Global Infrastructure
- AWS: IAM
- Components of IAM
- Managing users with IAM
- Amazon Machine Image (AMI)
- Security Groups in AWS
- Virtualization
- Amazon Elastic Compute Cloud (EC2) and Its Benefits
- Networking components associated with EC2
- Instance Store
- Hands-on

FAQs

1.How is the training organised? How much percentage is theoretical and how much is practical hands on?

We at eMexo believe nothing beats a hands-on practice when it comes to learning a concept. Our teaching methodology is 100% practical hands-on oriented. You learn a concept, you practice it then and there with the trainer. We also give you assignments for each topic which you can practice at home and any doubts regarding the topic can be cleared with the trainer next day.

2.What is the course duration ? How and when do you plan to complete the course ?

We generally cover our courses in 60 hours, however, we are aware that we can't put a hard- stop to learning with a number. Our trainer will make sure that you have learned everything that is part of the curriculum. This could mean 48 hours or 60 hours, doesn't matter.

3.What is the material provided in the training ?

We have industry standard course material which is used by our trainers to train you. At the end of the training apart from the notes which you have taken during the course, we will also provide you with the training material which was used. This training material includes the training content, interview questions etc.

4.Do you help in preparing for the interview ?

Our trainers are working professionals who work in MNC's. They are the expert in their domain and they know exactly what an interviewer looks into a candidate. Our expert trainers apart from sharing the interview questions they will also conduct mock interviews to help you prepare for the real interview.

5.Who are your trainers ?

Our trainers are industry experts who work in their respective technologies day in day out. They work in MNC's and are technology experts within their organisation.

6.What is the total batch size per course?

We maintain a strict batch size of maximum 5 students. We also provide exclusive one to one training as well. Talk to our training partner to get more details.

7.Do you provide certification for the course?

Yes, at the end of training we provide a certification of completion.

8. Will I be joining a new batch or be merged with another batch ?

You will be added to a new batch.

9. Is fast track training available?

Yes, we provide fast-track training as well for those who want to complete the course faster. The curriculum and the total hours required to complete the course will remain same. However, the trainer will be spending more hours with you to complete the course.

10. Do you assist in job placement ?

Our trainers are expert professionals in their organisations and they often act as the interviewer to hire new candidates. Our trainers will help you prepare your resume with industry standards. After all, they know exactly what to look in a resume.

11. Timings for trainings - Regular training/weekend training

We provide both regular and weekend training. Talk to our training partner to learn more about the timings.

12. Will you be working on a live project during training ?

Yes, apart from doing the hands-on practice our trainer will also be taking a real-world project and work with you for the implementation.

13. What happens if I miss a class?

If you miss a class the content of that class will be taught to you again. With us you might miss a class but not the content.

14. Can I attend a demo before the actual class?

Yes, absolutely! Talk to our training counsellor on phone at 9513216462 or email us at info@emexotechnologies.com to arrange for a free demo. You can also fill in the contact us form below and we will call you to discuss your training requirements.