DevOps Engineer

Course Overview:

- DevOps is a methodology, that blurs the line between a Developer and a SysOps people.
- It is evolved from the Agile methodology, DevOps takes it to the next step by even making the Ops part of the company Agile.
- DevOps is a set of software development practices that combines software development and information technology operations to shorten the systems development life cycle while delivering features, fixes, and updates frequently in close alignment with business objectives.
- This training would enable you to grasp the concepts of how DevOps transformation, It will help you focus on value and streamline delivery and also learn about the common infrastructure servers, scalability, and availability.
- In This course you will Learn: Linux essentials, DevOps Lifecycle, Delivery Pipeline, Version Control systems Git and GitHub, Using Build tools, Maven, POM, Working with Containers and Docker, Docker Swarm, Continuous Integration using Jenkins, Software Testing using Junit and Selenium, using Kubernetes container orchestration, Configuration Management using Chef, AWS OpsWorks, Configuration Management using Ansible, Continuous Monitoring different servers using Nagios, AWS Cloud architecture, AWS ECR, AWS Lambda, Terraform Infrastructure as Code, Using AWS with Terraform, Setting Resource Dependencies, Managing State, AWS S3 and AWS DynamoDB.

Why DevOps Engineer Certifications ?

This training would enable you to grasp the concepts of how DevOps transformation, It will help you focus on value and streamline delivery and also learn about the common infrastructure servers, scalability, and availability.

DevOps jobs are highly paid and in great demand, so start on your path today.

Audience Profile :

- Software Developers
- Technical Project Managers
- Architects
- Operations Support
- Deployment engineers
- IT managers
- Development managers

Prerequisites:

- Working Experience in the Software Development Field.
- Basic Knowledge of IT Networking and Infrastructure.

DevOps Engineer Outline:

Module 0 – DevOps Perquisites

- Linux Basics
- Application Basics

Module 1 – DevOps Essentials

- Why DevOps?
- What is DevOps?

Module 2 – Managing Source Code – Git and GitHub

- Overview of Version Control systems
- Central vs Distributed Control systems

Module 3 – Understanding and using Build tools

- Overview of Various Build tools
- What is Maven

Module 4 – Containerization basics using Docker

- What and Why of Containers
- Difference between VMs and Containers

Module 5 – Continuous Integration using Jenkins

- Overview of Continuous Integration
- Overview of Jenkins

Module 6 – Continuous Testing

- Overview of Continuous Testing
- Software Testing Life cycle

Module 7 – Docker Commands and Use-cases

Module 8 – Introduction to Kubernetes

Module 9 – Configuration Management using Chef

Module 10 – Configuration Management using Ansible

Module 11 – Continuous Monitoring using Nagios

Module 12 : Define the AWS Cloud

Module 13 : Explain the different cloud architecture design principles

Module 14 : Explain the different cloud architecture design principles

Module 15 : Terraform

Module 16 : Setting Resource Dependencies

Training Solutions:

√ Offline Classroom Instructor-Led Training in our labs or onsite Locations.

√ Virtual Instructor-Led Training Via Virtual Video Conferencing Tools.

Why Learners Prefer CLS as their Training Services provider ?

■ Premuim Training Services Accredited from Global Technology Vendors.

■ Best Rated Experts & Certified Trainers in Egypt.

■ Official Training Hours, Practice Labs, Hands-on Learning.

■ CLS Training Classrooms are designed with High Edge PCs and Training Facilities.

■ Return on Training Investment is Guaranteed to boost performance.