DevOps CERTIFICATE COURSE

Course Overview

In this course, you'll explore the DevOps Foundation Training which is a comprehensive program designed to provide participants with a deep understanding of DevOps principles, practices, and tools. This course focuses on breaking down silos, improving collaboration between development and operations teams, and implementing automation to streamline the software delivery process. The DevOps Foundation Training equips participants with the knowledge and skills to embrace DevOps practices and implement them effectively in their organizations. This program serves as a solid foundation for individuals looking to excel in the dynamic and collaborative world of DevOps.

Course Outline

1. Introduction to DevOps:
   Definition and principles of DevOps
   Key benefits and goals of implementing DevOps practices

2. Cultural Transformation:
   Building a collaborative and innovative DevOps culture
   Breaking down silos and fostering cross-functional teams

3. Continuous Integration (CI):
   Introduction to CI concepts
   Implementing CI pipelines with tools like Jenkins

4. Continuous Delivery and Deployment (CD):
   Principles of CD
   Automating deployment with tools like Docker and Kubernetes

5. Infrastructure as Code (IaC):
   Introduction to IaC concepts
   Hands-on experience with configuration management tools (e.g., Ansible, Chef, Puppet)

6. Monitoring and Logging:
   Implementing effective monitoring and logging practices
   Introduction to tools like Prometheus and ELK stack

7. Collaborative Tools:
   Utilizing collaboration tools for communication and project management
   Introduction to tools like Slack, Jira, and Confluence

8. Security in DevOps:
   Integrating security practices into the DevOps pipeline
   Implementing DevSecOps principles

Methodology:
Instructor-led training sessions
Group discussions and case studies
Interactive workshops and exercises
Mock exams and quizzes

Who should attend?

Software developers, System administrators, IT operations staff, Release engineers, Anyone interested in adopting DevOps practices.

Which industry needs DevOps Engineer?

Information Technology (IT), Finance and Banking, Healthcare, Manufacturing, Retail and E-commerce, Telecommunications, Consulting, Government and Public Sector, Education, Energy and Utilities

Certified DevOps Certifications

Certifications may be offered by various organizations, including but not limited to the DevOps Institute, Docker, Microsoft, Amazon Web Services (AWS), and others.

Popular DevOps Certifications: DevOps Foundation Certification - AWS Certified DevOps Engineer - Azure DevOps Engineer Expert - Docker Certified Associate (DCA)

What are the Exam Details?

PMP Certification exam pattern:
- Exam Duration – 1 hours
- Exam Pattern - 40 multiple-choice questions
- It is a competency based.