CloudOps Training Course and Certification

Curriculum 2 Days

Day - 1

- **Introduction to CloudOps**
  - Definition of CloudOps
  - Why is CloudOps important?
  - Differences between CloudOps and traditional IT operations
- **Cloud Computing Basics**
  - What is cloud computing?
  - Cloud service models (IaaS, PaaS, SaaS)
  - Cloud deployment models (Public, Private, Hybrid)
- **Cloud Infrastructure**
  - Cloud Security
  - Cloud Computing Architecture principles
  - Cloud networking and storage
- **CloudOps Tools & Techniques**
  - Tools for CloudOps and DevOps automation
  - Managing and Monitoring Cloud Infrastructure
  - CI/CD Pipelines

Day - 2

- **Containerization and Serverless Computing**
  - Containerization concepts with Docker
  - Serverless computing with AWS Lambda
- **Configuration management and Infrastructure as Code**
  - Configuration management tools like Puppet, Chef, and Ansible
  - Infrastructure as Code (IAC) concept and its Implementation
- **CloudOps Best Practices**
  - Scaling Application using Load Balancers & Autoscaling groups
  - Architecting for Resilience in the Cloud
- **Advanced CloudOps Topics**
  - Database and Big Data Management on the Cloud
  - Designing for High Performance and Security
  - Cost Optimization in cloud platforms