

DevOps Culture and Practices

Explore the key concepts and practices of DevOps in this comprehensive training program.

Category: Cloud · Duration: 3 days

WHO IT IS FOR

- Developers and DBAs who work with data every day
- Security engineers and system administrators
- Teams that want hands-on practice on real scenarios

This training program dives deep into the core principles and best practices of DevOps, enabling participants to understand the cultural shift, collaboration, and automation involved in achieving continuous integration and deployment. Through hands-on exercises and real-world examples, participants will develop the skills and knowledge necessary to implement DevOps practices effectively and improve organizational agility.

Prerequisites

Basic understanding of software development and IT operations.

Syllabus

- Introduction to DevOps
- Understanding DevOps Culture
- Collaboration and Communication in DevOps
- Continuous Integration and Continuous Deployment
- Infrastructure as Code
- Configuration Management
- Containerization and Orchestration
- Monitoring and Alerting
- DevSecOps: Security in DevOps
- Release Management and Deployment Strategies
- Performance Optimization and Scaling
- DevOps Tools and Technologies
- Building a DevOps Pipeline
- Automation and DevOps

- Testing in DevOps
- Change Management in DevOps
- DevOps Adoption: Challenges and Best Practices
- Case Studies and Real-World Examples
- DevOps Metrics and Measurement
- Culture Transformation and Leadership in DevOps