

Cloud Architectures – Advanced

Learn advanced concepts and techniques for designing scalable and secure cloud architectures.

Category: Cloud · Duration: 2 days

WHO IT IS FOR

- Security engineers and system administrators
- DevOps engineers, SREs and ops teams
- Practitioners who already use it daily and want to go further

This course deep dives into the advanced aspects of cloud architectures, including scalability, security, and fault tolerance. Participants will gain hands-on experience in architecting complex cloud solutions and optimizing performance. The course covers various cloud platforms and services and provides practical insights for successfully implementing advanced cloud architectures.

Prerequisites

Basic knowledge of cloud computing concepts and experience with cloud platforms.

Syllabus

- Introduction to Advanced Cloud Architectures
- Scalable Architectures for Cloud Environments
- Designing for High Availability and Fault Tolerance
- Cloud Security and Compliance
- Optimizing Performance in Cloud Architectures
- Containerization and Orchestration
- Serverless Computing and Event-Driven Architectures
- Big Data Processing in the Cloud
- Microservices and API Management
- DevOps Practices for Cloud Architectures
- Cost Optimization Strategies
- Cloud Governance and Best Practices
- Case Studies and Real-World Examples
- Hands-on Labs and Exercises

- Q&A and Group Discussions