

Architecting on AWS - Accelerator

This immersive, advanced-level, five-day course covers all aspects of how to architect for the AWS Cloud. Covering topics from Architecting on AWS and Advanced Architecting on AWS, this course is intended to teach you how to design cloud architectures, from small-scale designs to large-scale, enterprise-level designs. Starting with the Well-Architected Framework, you will also learn important architecting information for AWS services. These include: compute, storage, database, networking, security, monitoring, automation, optimization, benefits of decoupling applications and serverless, building for resilience, and understanding costs. It's also recommended for learners who are preparing for the AWS Certified Solutions Architect – Associate exam.

Course Objectives

In this course, you will learn to:

- Make architectural decisions based on AWS architectural principles and best practices
- Use AWS services to make your infrastructure scalable, reliable, and highly available
- Use AWS Managed Services to enable greater flexibility and resiliency in an infrastructure
- Make an AWS-based infrastructure more efficient to increase performance and reduce costs
- Use the Well Architected Framework to improve architectures with AWS solutions

Intended Audience

This course is intended for:

- Solutions Architects who are new to designing and building cloud architectures
- Data Center Architects who are migrating from on-premises environment to cloud architectures
- Other IT/cloud roles who want to understand how to design and build cloud architectures

Course Outline

The following concepts are covered in this course:

- AWS Storage, Compute, Database, Networking services
- Hybrid Architectures
- Access control in the cloud
- Managing multiple AWS Accounts
- Elasticity, High Availability, and Monitoring
- Automating Infrastructure deployment
- Application Deployment methods
- Caching
- Security of Data
- Building Decoupled architectures
- Optimizations and review
- Microservices
- Serverless architectures
- Building for Resilience
- Large scale connected networks
- Understanding costs
- Migration
- RTO/RPO and Backup Recovery
- Course Wrap Up