

Advanced Architecting on AWS (AWS-ARCH-ADV)

Course Summary

Description

In this course, you will build on concepts introduced in Architecting on AWS. You will learn how to build complex solutions that incorporate data services, governance, and security on the AWS platform. You will also learn about specialized AWS services, including AWS Direct Connect and AWS Storage Gateway, that support hybrid architecture, and you will learn about best practices for building scalable, elastic, secure, and highly available applications on AWS.

Objectives

After taking this course, students will learn:

- Apply the AWS Well-Architected Framework
- Manage multiple AWS accounts for your organization
- Connect an on-premises datacenter to the AWS Cloud
- Discuss billing implications of connecting multi-region VPCs
- Move large data from an on-premises datacenter to AWS
- Design large data stores for the AWS Cloud
- Understand different architectural designs for scaling a large website
- Protect your infrastructure from distributed denial of service (DDOS) attacks
- Secure your data on AWS with encryption
- Design protection of data at rest and data in transit
- Enhance the performance of your solutions
- Select the most appropriate AWS deployment mechanism

Topics

- Review of Architecting for the Cloud Best Practices and the AWS Well-Architected Framework
- AWS Account Strategies
- Advanced Networking Architectures
- Deployment Management on AWS
- Designing Large Datastores
- Moving Large Datastores into AWS
- Big Data Architectures
- Designing for Large Scale Applications
- Building Resilience into Your Architecture
- Data Encryption and Key Management in AWS
- Securing Data on AWS
- Designing for Performance

Audience

This course is intended for Individuals who are experienced with designing scalable and elastic applications on the AWS platform.

Prerequisites

We recommend that attendees of this course have the following prerequisites: attended Architecting on AWS, and achieved AWS Certified Solutions Architect - Associate

Duration

Three Days