

Advanced Architecting on AWS

Course#:aws-advarc

Duration:3 Days

Price:2550.00

Course Description

Advanced Architecting on AWS is intended for individuals who are experienced with designing scalable and elastic applications on the AWS platform. Building on concepts introduced in Architecting on AWS, this course covers how to build complex solutions that incorporate data services, governance, and security on AWS. This course introduces specialized AWS services, including AWS Direct Connect and AWS Storage Gateway to support hybrid architecture. It also covers designing best practices for building scalable, elastic, secure, and highly available applications on AWS.

Objectives

This course teaches you how to:

- 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

Audience

Who Should Attend

This course is intended for experienced IT professionals who are already familiar with AWS services.

Prerequisites

We recommend that attendees of this course have the following prerequisites:

Architecting on AWS

AWS Certified Solutions Architect Associate certification

Content

Day 1

Architecting on AWS Review

AWS Account Management

Advanced Networking on AWS

Deployment Management on AWS

Build a Hybrid Architecture

Day 2

Optimize your use of Amazon S3

Leverage Amazon ElastiCache to handle and store data at scale

Build a Failover Solution with Amazon Route 53 and Amazon RDS Read Replication

AWS Snowball

Amazon S3 Transfer Acceleration

AWS Storage Gateway

Backing up and archiving data on AWS

Migrating databases into AWS

Designing for Big Data

Amazon DynamoDB for Big Data

DynamoDB Streams

DynamoDB for Big Data Design Patterns

Design for Large Scale Applications

Deployment with Elastic Beanstalk

Day 3

Build Resilient Architectures Part A

CloudFront Content Delivery and Automating WAF Rules

Encryption and data security

KMS Envelope Encryption