Advanced Architecting on AWS

Code:	AWS-ARCH-ADV-PTNR
Length:	3 days
URL:	View Online

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.

Skills Gained

This course teaches you how to:

- Apply the AWS Well-Architected Framework.
- Manage multiple AWS accounts for your organization.
- Connect on-premises data centers to the AWS Cloud.
- Understand billing implications of connecting multi-region VPCs.
- Move large data from on-premises data centers to the AWS Cloud.
- Design large datastores for the AWS Cloud.
- Understand different architectural designs for scaling a large website.
- Protect your infrastructure from DDoS attacks.
- Secure your data on AWS with encryption.
- Design protection of data at rest as well as data in flight.
- Enhance the performance of your solutions.
- Select the most appropriate AWS deployment mechanism.

Who Can Benefit

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:

- Attended Architecting on AWS
- Achieved AWS Certified Solutions Architect - Associate

Course Details

AWS Certified Solutions Architect - Professional Certification

If you are interested in achieving the professional AWS Arch certification, the Advanced Architecting on AWS class is the best way to help prepare. Find out more about all AWS certifications at https://www.exitcertified.com/certification/aws/

Hands-on Activity

This course allows you to test new skills and apply knowledge to your working environment through a variety of practical exercises.

Delivery Method

This course is delivered through a mix of:

- Instructor-Led Training (ILT)
- Web-Based Training (WBT)
- Hands-On Labs

Course Outline

Day 1

- Review of Architecting for the Cloud Best Practices and the AWS Well-Architected Framework
- AWS Account Strategies
- Advanced Networking Architectures
- Deployment Management on AWS

Day 2

- Designing Large Datastores
- Moving Large Datastores into AWS
- Big Data Architectures
- Designing for Large Scale Applications

Day 3

- Building Resilience into Your Architecture
- Data Encryption and Key Management in AWS
- Securing Data on AWS

- Designing for Performance

Note: course outline may vary slightly based on the regional location and/or language in which the class is delivered.

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