

ADVANCED ARCHITECTING ON AWS

3-Days Training Duration / Instructor-Led, Classroom-Based Training / Professional Level

DELIVERY METHODS



ILT – Instructor-Led Classroom Training

ILT sessions are conducted in a physical classroom environment.



ILO – Instructor-Led Online Training

ILO sessions are conducted via WebEx in a VoIP environment



FLEX Classroom™ – Combined ILT & ILO

FLEX Classroom sessions are delivered via ILT and ILO giving you the ultimate flexibility.

Singapore Office

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Suite 501, 5 Floor
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Hong Kong

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.

BRING YOUR OWN DEVICE

Please note that this class requires you to bring your own device. Plan to come to class with the following:

- A notebook computer with Wi-Fi (labs cannot be completed on an iPad or tablet device)
- Administrator access to the computer, if Windows
- Chrome, Firefox, or Safari (IE not supported)

COURSE OBJECTIVES

This course is designed to teach 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.

INTENDED AUDIENCE

This course is intended for:

- Experienced IT professionals who are already familiar with AWS services

PREQUISITES

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

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HANDS-ON ACTIVITY

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

COURSE OUTLINE

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

This course covers the following concepts on each day:

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

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