

## AWS Cloud Practitioner Essentials

Duration	: 3 Days
Level	: ADVANCED
Technology	: AWS
Delivery Method	: Instructor-led

### Overview

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 covers how to build complex solutions that incorporate data services, governance, and security on AWS. This course introduces specialised 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.

### Intended Audience

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

### Course Objectives

This course is designed to teach participant how to:

- Apply the AWS Well-Architected Framework
- Manage multiple AWS accounts for your organisation
- Connect on-premises datacenter to AWS Cloud
- Understand billing implications of connecting multi-region VPC's
- Move large data from on-premises data centres 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

### Prerequisites

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

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

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## Course Outline

### Day 1

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

### Day 2

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

### Day 3

- Building Resilience into your Architecture
- MM Data Encryption and Key Management on AWS
- MM Securing Data on AWS
- MM Designing for Performance

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