

Advanced Architecting on Aws

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.

Course Objectives

- ❖ Apply the AWS Well-Architected Framework
- ❖ Manage multiple AWS accounts for your organization
- ❖ Connect an on-premises data center to the AWS Cloud
- ❖ Discuss billing implications of connecting multi-region VPCs
- ❖ Move large data from an on-premises data center 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

Pre-Requisite

- ❖ Architecting on AWS

Course Content

- ❖ AWS Well-Architected Framework
- ❖ AWS Account Strategies
- ❖ Advanced Network Architectures
- ❖ Designing Large Data Stores for AWS
- ❖ Web-Scale Applications
- ❖ Building Resilience

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- ❖ Comprehensive Cloud Security
- ❖ Data Security and Encryption on AWS
- ❖ Designing for Performance
- ❖ Deployment Management Designing Storage at Scale
- ❖ Hosting a New Web Application on AWS
- ❖ The Four Pillars of the Well-Architected Framework
- ❖ Disaster Recovery and Failover Strategies
- ❖ Troubleshooting Your Environment
- ❖ Large-Scale Design Patterns and Case Studies

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