

Understanding Cloud Architect Technology Solutions

Exam AZ-300 (3 of 5) | 1 Day Workshop

This is one of the five MOC workshops for the Exam AZ-300: Azure Architect Technologies

Audience Profile

Successful Azure Solutions Architects start this role with experience in operating systems, virtualization, cloud infrastructure, storage structures, billing, and networking.

Prerequisites

Prior to taking this course, it is recommended that you have passed the Azure Administrator (AZ-103) exam.

Course Duration: 1 Day

Course Outline

Module 1: Selecting Compute and Storage Solutions

Lessons

- Azure Architecture Center
- Cloud design patterns
- Competing consumers pattern
- Cache-aside pattern

As well as sharding patterns to divide a data store into horizontal partitions, or shards. Each shard has the same schema but holds its distinct subset of the data.

After completing this module, students will be able to learn:

- Design and Connectivity Patterns

Module 2: Hybrid Networking

Lessons

- Site-to-site connectivity
- Point-to-site connectivity
- Combining site-to-site and point-to-site connectivity
- Virtual network-to-virtual network connectivity

As well as connecting across cloud providers for failover, backup, or even migration between providers such as AWS.

After completing this module, students will be able to learn:

- Hybrid Networking

Module 3: Measuring Throughput and Structure of Data Access

Lessons

- DTUs – Azure SQL Database
- RUs – Azure Cosmos DB
- Structured and unstructured data
- Using structured data stores

After completing this module, students will be able to:

- Manage Identities using Azure Active Directory