

AZ-305 Azure Solution Architect Expert

SYLLABUS

Module 01 - Design governance and compute solutions

In this module, you will be introduced to governance and compute solutions.

Lesson 01 - Design for governance including management groups, subscriptions, resource groups, Azure policy, Azure RBAC, and Azure Blueprints.

Lesson 02 - Design a compute solution including virtual machines, Batch solutions, Azure Container Instances, Azure App Services, Azure Kubernetes, Azure Functions, and Azure Logic Apps.

Module 02 – Design storage and data integration solutions

In this module, you will be introduced to storage and data integration solutions.

Lesson 01 - Design a data solution storage for non-relational data including storage accounts, redundancy, blobs, files, disks, and storage security.

Lesson 02 - Design a data storage solution for relational data including Azure SQL, database scalability, SQL Edge, Azure Cosmos DB, Azure tables, and database security.

Lesson 03 - Design data integration solutions including Azure Data Factory, Azure Data Lake, Azure Databricks, Azure Synapse Analytics, and Azure Stream Analytics.

Module 03 - Design app architecture and monitoring

In this module, you will be introduced to application architecture, app access, and monitoring

Lesson 01 - Design an application architecture including message and event scenarios, messaging solutions, event solutions, app automation, and app lifecycle.

Lesson 02 - Design authentication and authorization solutions including Active Directory, B2B, B2C, conditional access, identity protection, access reviews, and service principals.

Lesson 03 - Design a solution to log and monitor Azure resources including Azure Monitor, Log Analytics, Azure Insights and Azure Data Explorer.

Module 04: Design for networks and business continuity solutions

Lesson 01 - Design network solutions including network architecture, on-premises connections, application delivery services, and application protection services.

Lesson 02 - Design a solution for backup and disaster recovery including Azure Backup, blob backup, file backup, virtual machine backup, SQL backup, and Azure Site Recovery.

Lesson 03 - Design migrations including the Cloud Migration Framework, assessing workloads, migration tools, online migration, offline migrations, and storage migrations.