

Azure Solutions Architect

Modality: On Demand

Duration: 12 Hours

About this Course:

This course is designed for professionals and students seeking to understand the fundamental identity management and security principles of Microsoft Azure. The teachings of this course help students understand the use and implementation of Microsoft Azure SaaS Services. Besides this, it also deals with the implementation of effective Azure solutions into pre-existing solutions and databases.

Course Objectives:

The core objective of this course is to help professionals gain a better knowledge and sound understanding of the following key concepts:

- Microsoft Azure AD B2C & B2B Solution Incorporation
- Hybrid Identity New Solution Design and Development
- Employing Managed Service Identity and Privileged Identity Management
- Securing Application Secrets with Key Vault
- Protection Data with SQL Database and Microsoft Azure Storage Options
- Applying Cognitive Services, LUIS, Speech API, and Face API
- Microsoft Azure Storage Pricing Models
- Microsoft Azure Storage Services Performance Threshold
- SMB Operations using Azure File Server
- Executing StorSimple Physical and Virtual Devices
- Microsoft Azure Timely Alert Design
- Implementing Backup and Scaling Recovery Resources
- API Management Service and Logic App Integration
- Resource Group ARM Template Application
- Implementing Performance-Enhancing Multi-Region Service Plan
- On-Premise and Cloud Hybrid Connectivity Scenario Design
- Network Traffic Distribution with Load Balancers
- Cloud Design Patterns and Developing Availability Sets

Audience:

This course is tailored for professionals seeking excellence in cloud architecture and Cloud Solution Architects. Professionals with practical experience in virtualization, billing, networking, operating systems, and storage solutions can also relish the maximum benefits from the teachings of this course.

Prerequisites:

- Foundational Knowledge of Implementing Infrastructure and Platform Solutions
- Understanding of Developing and Managing Azure Infrastructure Components
- Basic Knowledge of Storage & Data Services and Web Application Implementation
- Understanding of Managing and Implementing Mobile and Cloud Services
- Practical Experience of Implementing Media and CDNs Services
- Conceptual Know-how of Azure Active Directory and Azure AD Security Execution
- Basic Knowledge of Azure Services Automation with PowerShell

Course Outline:

Course Introduction

AZ-301T01: Designing for Identity and Security

- Module 1: Managing Security & Identity for Azure Solutions
- Module 2: Integrating SaaS Services Available on the Azure Platform

AZ-301T02: Designing a Data Platform Solution

- Module 1: Backing Azure Solutions with Azure Storage
- Module 2: Comparing Database Options in Azure
- Module 3: Monitoring & Automating Azure Solutions

AZ-301T03: Designing for Deployment, Migration, and Integration

- Module 1: Deploying Resources with Azure Resource Manager
- Module 2: Creating Managed Server Applications in Azure
- Module 3: Authoring Serverless Applications in Azure

AZ-301T04: Designing an Infrastructure Strategy

- Module 1: Application Architecture Patterns in Azure
- Module 2: Building Azure IaaS-Based Server Applications (ADSK)
- Module 3: Networking Azure Application Components
- Module 4: Integrating Azure Solution Components Using Messaging Services