

AZ-300

Microsoft Azure Architect Technologies

About this course

Master the skills needed to design solutions that run on Azure. A Microsoft Azure Solutions Architect must have expertise in compute, network, storage, and security..

Duration

40 hs

Audience profile

Successful Cloud Solutions Architects begin this role with practical experience with operating systems, virtualization, cloud infrastructure, storage structures, billing, and networking..

Course Outline

AZ-300T01-A: Deploying and Configuring Infrastructure - [Link](#)

After completing this course, students will be able to:

- Managing Azure Subscriptions and Resources
- Implementing and Managing Storage
- Deploying and Managing VMs
- Configuring and Managing Virtual Networks
- Managing Identities using Azure Active Directory

AZ-300T02-A: Implementing Workloads and Security - [Link](#)

At course completion

After completing this course, students will be able to:

- Evaluating and Performing Server Migration to Azure
- Implementing and Managing Application Services
- Implementing Advanced Virtual Networking.
- Securing Identities using Azure AD.

AZ-300T03-A: Understanding Cloud Architect Technology Solutions - [Link](#)

At course completion

After completing this course, students will be able to:

- Design and Connectivity Patterns
- Hybrid Networking

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- Address Durability of Data and Caching
- Measure Throughput and Structure of Data Access

AZ-300T04-A: Creating and Deploying Apps - [Link](#)**At course completion**

After completing this course, students will be able to:

- Use shell commands to create an App Service Web App
- Create Background Tasks
- Use Swagger to document an API
- Create a reliable service
- Create a Reliable Actors app
- Hands-on with Reliable collections
- Understand the Azure Container Registry
- Use Azure Container instances

AZ-300T05-A: Implementing Authentication and Secure Data - [Link](#)**At course completion**

After completing this course, students will be able to:

- Understand how to Implement authentication using certificates, Azure AD, Azure AD Connect, and tokens.
- Implement Role-based Access Control (RBAC) authorization.
- Implement secure data for end-to-end encryption.
- Implement secure data for implementing SSL and TLS communications.
- Use Azure Key Vault to manage cryptographic keys.

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AZ-300T06-A: Developing for the Cloud - [Link](#)

At course completion

After completing this course, students will be able to:

- How to configure a message-based integration architecture
- Understand how to Develop for Asynchronous Processing
- Begin creating apps for Autoscaling
- Understand Azure Cognitive Services Solutions