AZ-301 — Microsoft — Azure Solutions Architect Design

Microsoft Official Course (MOC)

AZ-301 Azure Solutions Architect Design

Microsoft Partner

Microsoft CERTIFIED EXPERT

About this Course:

- Learn how to manage security and identity within the context of Azure. Also, you'll be introduced to multiple SaaS services available in Azure that for integration into existing Azure solutions.
- Learn to Compare and contrast various database options on Azure, identify data streaming options for large-scale data ingest, and identify longer-term data storage options.
- Learn how to deploy an ARM template to a resource

group, author a complex deployment using the Azure Building Blocks tools, and integrate an API or Logic App with the API Management service.

- Learn how to Describe DNS and IP strategies for VNETs in Azure, compare connectivity options for ad-hoc and hybrid connectivity, distribute network traffic across multiple loads using load balancers, and design a hybrid connectivity scenario between cloud and on-premise.

Course Goals/Skills:

- Integrate their existing solutions with external identity providers using Azure AD B2B or B2C.
- Design a hybrid identity solution.
- Determine when to use advanced features of Azure AD such as Managed Service Identity, MFA and Privileged Identity Management.
- Secure application secrets using Key Vault.
- Secure application data using SQL Database and Azure Storage features.
- Detail the various APIs available in Cognitive Services.
- Identify when to use the Face API, Speech API or Language Understanding (LUIS) service.
- Describe the relationship to Bot Framework and Azure Bot Services.
- Determine the ideal pricing option for Azure Storage based on a solution's requirements.
- Identify performance thresholds for the Azure Storage service.
- Determine the type of Storage blobs to use for specific solution components.
- Use the Azure Files service for SMB operations.
- Identify solutions that could benefit from the use of

StorSimple physical or virtual devices.
- Compare and contrast monitoring services for applications, the Azure platform, and networking.
- Design an alert scheme for a solution hosted in Azure.
- Select the appropriate backup option for infrastructure and data hosted in Azure.
- Automate the deployment of future resources for backup recovery or scaling purposes.
- Create a resource group.
- Add resources to a resource group.
- Deploy an ARM template to a resource group Integrate an API or Logic App with the API Management service.
- Design an App Service Plan or multi-region deployment for high performance and scale.
- Integrate an API or Logic App with the API Management service.
- Design an App Service Plan or multi-region deployment for high performance and scale.
- Describe various patterns pulled from the Cloud Design Patterns.
- Distribute network traffic across multiple loads using load balancers.
- Design a hybrid connectivity scenario between cloud and on-premise.
- Design an availability set for one or more virtual machines.
- Describe the differences between fault and update domains.
- Author a VM Scale Set ARM template.

Audience:

- Successful Cloud Solutions Architects begin this role with practical experience with operating systems,

virtualization, cloud infrastructure, storage structures, billing, and networking.

Course Format:
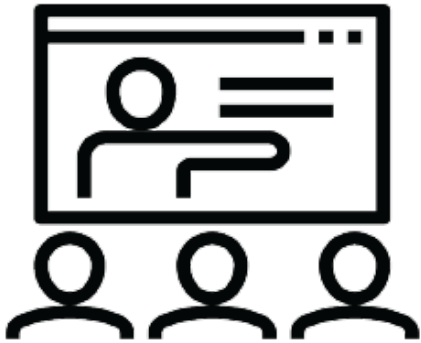
Classroom

Online (Live) Remote

Course language : Bulgarian (English available as an option)

Learning materials: in electronic format (Learning materials are in English) included in the price with unlimited access.

Lab envinonment:each student has his own lab environment where

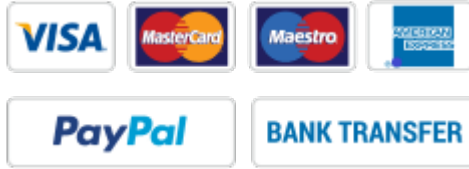the exercises are conducted, part of the course.

Video Archives (24/7)

Certificate for Completed Course

Course Duration:

- 5 working days (09:00 — 17:00)
- or
  40 hours training theory and practice in non-working hours lasting 4weeks
  Saturday and Sunday 10:00 — 14:00, 14:00 — 18:00, 18:00 — 22:00

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Monday and Wednesday 19:00 — 23:00
Tuesday and Thursday 19:00 — 23:00
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Payments:

An application for an invoice is accepted at the time of enrollment in the respective course.

An invoice is issued within 7 days of confirming the payment

Next Class:

May 6
6 May 2024 @ 09:00 - 9 May 2024 @ 17:00 EEST   ↻

[AZ-800T00: Administering Windows Server Hybrid Core Infrastructure](#)

May 27
27 May 2024 @ 09:00 - 30 May 2024 @ 17:00 EEST   ↻

[AZ-801T00: Configuring Windows Server Hybrid Advanced Services](#)

Jun 3
3 June 2024 @ 09:00 - 6 June 2024 @ 17:00 EEST   ↻

[AZ-800T00: Administering Windows Server Hybrid Core Infrastructure](#)

Jun 24

24 June 2024 @ 09:00 - 27 June 2024 @ 17:00 EEST ↻

[AZ-801T00: Configuring Windows Server Hybrid Advanced Services](#)

Jul 1

1 July 2024 @ 09:00 - 4 July 2024 @ 17:00 EEST ↻

[AZ-800T00: Administering Windows Server Hybrid Core Infrastructure](#)

[View Calendar](#)

For more information, use the contact form.

We will contact you to confirm the dates.

Prerequisites:

- [Azure Solutions Architect Technologies (AZ-300)](#)

The course prepares for the following certification levels:

- AZ-301 Azure Solutions Architect Design
- [Може да се сертифицирате в нашия тест център с ваучер с отстъпка от цената на изпит.](#)