

AZ-304 – Microsoft – Azure Solutions Architect Design (AZ-304T00)

Microsoft Official Course (MOC)

AZ-304 Azure Solutions Architect Design (Updated 2021)



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.
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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.
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Audience:

- Successful Cloud Solutions Architects begin this role with practical experience with operating systems, virtualization, cloud infrastructure, storage

structures, billing, and networking.

Course format



Attendance Course



Online

Course language: Bulgarian (English is available as an option)

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

Laboratory environment: each student has his own lab environment where the exercises take place, part of the course.



Video Archive (24/7)



Certificate for
Completed Course

Duration

- 4 working days (09:00 – 17:00) or 32 h training (theory and practice) in overtime with a duration of 3.5 weeks
- Saturday and Sunday 10:00 – 14:00, 14:00 – 18:00, 18:00 – 22:00
- Monday and Wednesday 19:00 – 23:00
- Tuesday and Thursday 19:00 – 23:00
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Плацине



An application for an invoice shall be accepted at the time of entry of the relevant course.

An invoice is issued within 7 days of confirmation of payment.

Next Class:

Jul 1

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

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

Jul 22

22 July 2024 @ 09:00 - 25 July 2024 @ 17:00 EEST ↻

[**AZ-801T00: Configuring Windows Server**](#)


[Hybrid Advanced Services](#)

Aug 5

5 August 2024 @ 09:00 - 8 August 2024 @ 17:00 EEST 

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

Aug 26

26 August 2024 @ 09:00 - 29 August 2024 @ 17:00 EEST 

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

Sep 2

2 September 2024 @ 09:00 - 5 September 2024 @ 17:00 EEST 

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

[View Calendar](#)

For more information, use the contact format. We will contact you to confirm the data.

Prerequisites:

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

This Class will teach you how to pass the

following exams:

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