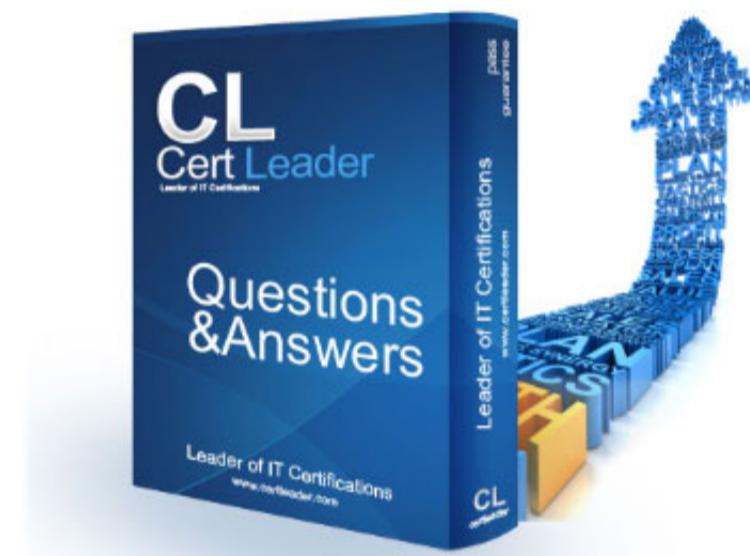


# AZ-304 Dumps

# Microsoft Azure Architect Design (beta)

<https://www.certleader.com/AZ-304-dumps.html>



**NEW QUESTION 1**

- (Exam Topic 1)

You need to recommend a strategy for migrating the database content of WebApp1 to Azure. What should you include in the recommendation?

- A. Use Azure Site Recovery to replicate the SQL servers to Azure.
- B. Use SQL Server transactional replication.
- C. Copy the BACPAC file that contains the Azure SQL database file to Azure Blob storage.
- D. Copy the VHD that contains the Azure SQL database files to Azure Blob storage

**Answer:** D**Explanation:**

Before you upload a Windows virtual machine (VM) from on-premises to Azure, you must prepare the virtual hard disk (VHD or VHDX).

Scenario: WebApp1 has a web tier that uses Microsoft Internet Information Services (IIS) and a database tier that runs Microsoft SQL Server 2016. The web tier and the database tier are deployed to virtual machines that run on Hyper-V. Reference:

<https://docs.microsoft.com/en-us/azure/virtual-machines/windows/prepare-for-upload-vhd-image>

**NEW QUESTION 2**

- (Exam Topic 1)

You are evaluating the components of the migration to Azure that require you to provision an Azure Storage account.

For each of the following statements, select Yes if the statement is true. Otherwise, select No. NOTE: Each correct selection is worth one point.

Statements	Yes	No
You must provision an Azure Storage account for the SQL Server database migration.	<input type="radio"/>	<input type="radio"/>
You must provision an Azure Storage account for the Web site content storage.	<input type="radio"/>	<input type="radio"/>
You must provision an Azure Storage account for the Database metric monitoring.	<input type="radio"/>	<input type="radio"/>

- A. Mastered
- B. Not Mastered

**Answer:** A**Explanation:**

Statements	Yes	No
You must provision an Azure Storage account for the SQL Server database migration.	<input checked="" type="radio"/>	<input type="radio"/>
You must provision an Azure Storage account for the Web site content storage.	<input type="radio"/>	<input checked="" type="radio"/>
You must provision an Azure Storage account for the Database metric monitoring.	<input checked="" type="radio"/>	<input type="radio"/>

**NEW QUESTION 3**

- (Exam Topic 2)

You need to recommend a solution for configuring the Azure Multi-Factor Authentication (MFA) settings. What should you include in the recommendation? To answer, select the appropriate options in the answer area. NOTE: Each correct selection is worth one point.

## Answer Area

Azure AD license:

Free
Basic
Premium P1
Premium P2

Access control for the sign-in risk policy:

Allow access and require multi-factor authentication
Block access and require multi-factor authentication
Allow access and require Azure MFA registration
Block access

Access control for the multi-factor authentication registration policy:

Allow access and require multi-factor authentication
Block access and require multi-factor authentication
Allow access and require Azure MFA registration
Block access

- A. Mastered  
B. Not Mastered

**Answer:** A

**Explanation:**

References:

<https://docs.microsoft.com/en-us/azure/active-directory/identity-protection/howto-sign-in-risk-policy> <https://docs.microsoft.com/en-us/azure/active-directory/identity-protection/howto-mfa-policy>

**NEW QUESTION 4**

- (Exam Topic 3)

Note: This question is part of a series of questions that present the same scenario. Each question in the series contains a unique solution that might meet the stated goals. Some question sets might have more than one correct solution, while others might not have a correct solution.

After you answer a question in this section, you will NOT be able to return to it. As a result, these questions will not appear in the review screen.

You have an on-premises Hyper-V cluster that hosts 20 virtual machines. Some virtual machines run Windows Server 2016 and some run Linux.

You plan to migrate the virtual machines to an Azure subscription.

You need to recommend a solution to replicate the disks of the virtual machines to Azure. The solution must ensure that the virtual machines remain available during the migration of the disks.

Solution: You recommend implementing an Azure Storage account that has a file service and a blob service, and then using the Data Migration Assistant Does this meet the goal?

- A. Yes  
B. No

**Answer:** B

**Explanation:**

Data Migration Assistant is used to migrate SQL databases. Instead use Azure Site Recovery.

References:

<https://docs.microsoft.com/en-us/azure/site-recovery/site-recovery-overview>

**NEW QUESTION 5**

- (Exam Topic 3)

Your company has the divisions shown in the following table.

Division	Azure subscription	Azure Active Directory (Azure AD) tenant
East	Sub1, Sub2	East.contoso.com
West	Sub3, Sub4	West.contoso.com

You plan to deploy a custom application to each subscription. The application will contain the following:

- A resource group
- An Azure web app
- Custom role assignments
- An Azure Cosmos DB account

You need to use Azure Blueprints to deploy the application to each subscription.

What is the minimum number of objects required to deploy the application? To answer, select the appropriate options in the answer area.

NOTE: Each correct selection is worth one point.

Management groups:

1
2
3
4

Blueprint definitions:

1
2
3
4

Blueprint assignments:

1
2
3
4

- A. Mastered  
B. Not Mastered

**Answer:** A**Explanation:**

Box 1: 2

One management group for East, and one for West.

When creating a blueprint definition, you'll define where the blueprint is saved. Blueprints can be saved to a management group or subscription that you have Contributor access to. If the location is a management group, the blueprint is available to assign to any child subscription of that management group.

Box 2: 1

One definition as the you plan to deploy a custom application to each subscription.

With Azure Blueprints, the relationship between the blueprint definition (what should be deployed) and the blueprint assignment (what was deployed) is preserved.

Box 3: 4

One assignment for each subscription. Reference:

<https://docs.microsoft.com/en-us/azure/governance/blueprints/overview>**NEW QUESTION 6**

- (Exam Topic 3)

You are designing a large Azure environment that will contain many subscriptions. You plan to use Azure Policy as part of a governance solution.

To which three scopes can you assign Azure Policy definitions? Each correct answer presents a complete solution.

NOTE: Each correct selection is worth one point.

- A. management groups  
B. subscriptions  
C. Azure Active Directory (Azure AD) tenants  
D. resource groups  
E. Azure Active Directory (Azure AD) administrative units  
F. compute resources

**Answer:** ABD**Explanation:**

Azure Policy evaluates resources in Azure by comparing the properties of those resources to business rules. Once your business rules have been formed, the policy definition or initiative is assigned to any scope of resources that Azure supports, such as management groups, subscriptions, resource groups, or individual resources.

Reference:

<https://docs.microsoft.com/en-us/azure/governance/policy/overview>**NEW QUESTION 7**

- (Exam Topic 3)

A company has a hybrid ASP.NET Web API application that is based on a software as a service (SaaS) offering.

Users report general issues with the data. You advise the company to implement live monitoring and use ad hoc queries on stored JSON data. You also advise the company to set up smart alerting to detect anomalies in the data.

You need to recommend a solution to set up smart alerting. What should you recommend?

- A. Azure Application Insights and Azure Monitor Logs  
B. Azure Site Recovery and Azure Monitor Logs  
C. Azure Data Lake Analytics and Azure Monitor Logs  
D. Azure Security Center and Azure Data Lake Store

**Answer:** C

**Explanation:**

Application Insights, a feature of Azure Monitor, is an extensible Application Performance Management (APM) service for developers and DevOps professionals. Use it to monitor your live applications. It will automatically detect performance anomalies, and includes powerful analytics tools to help you diagnose issues and to understand what users actually do with your app.

**Reference:**

<https://docs.microsoft.com/en-us/azure/azure-monitor/app/app-insights-overview>

**NEW QUESTION 8**

- (Exam Topic 3)

You are designing an Azure resource deployment that will use Azure Resource Manager templates. The deployment will use Azure Key Vault to store secrets.

You need to recommend a solution to meet the following requirements:

Prevent the IT staff that will perform the deployment from retrieving the secrets directly from Key Vault. Use the principle of least privilege.

Which two actions should you recommend? Each correct answer presents part of the solution.

NOTE: Each correct selection is worth one point.

- A. Create a Key Vault access policy that allows all get key permissions, get secret permissions, and get certificate permissions.
- B. From Access policies in Key Vault, enable access to the Azure Resource Manager for template deployment.
- C. Create a Key Vault access policy that allows all list key permissions, list secret permissions, and list certificate permissions.
- D. Assign the IT staff a custom role that includes the Microsoft.KeyVault/Vaults/Deploy/Action permission.
- E. Assign the Key Vault Contributor role to the IT staff.

**Answer:** BD

**Explanation:**

B: To access a key vault during template deployment, set enabledForTemplateDeployment on the key vault to true.

D: The user who deploys the template must have the Microsoft.KeyVault/vaults/deploy/action permission for the scope of the resource group and key vault.

**Reference:**

<https://docs.microsoft.com/en-us/azure/azure-resource-manager/templates/key-vault-parameter> <https://docs.microsoft.com/en-us/azure/key-vault/general/overview-security>

**NEW QUESTION 9**

- (Exam Topic 3)

You have an Azure Active Directory (Azure AD) tenant.

You plan to provide users with access to shared files by using Azure Storage. The users will be provided with different levels of access to various Azure file shares based on their user account or their group membership.

You need to recommend which additional Azure services must be used to support the planned deployment. What should you include in the recommendation?

- A. an Azure AD enterprise application
- B. Azure Information Protection
- C. an Azure AD Domain Services (Azure AD DS) instance
- D. an Azure Front Door instance

**Answer:** C

**Explanation:**

Azure Filessupports identity-based authentication over Server Message Block (SMB) throughtwo types of Domain Services: on-premises Active Directory Domain Services (AD DS) and Azure Active Directory Domain Services (Azure AD DS).

**Reference:**

<https://docs.microsoft.com/en-us/azure/storage/files/storage-files-identity-auth-active-directory-domain-service>

**NEW QUESTION 10**

- (Exam Topic 3)

You need to design a solution that will execute custom C# code in response to an event routed to Azure Event Grid. The solution must meet the following requirements:

The executed code must be able to access the private IP address of a Microsoft SQL Server instance that runs on an Azure virtual machine.

Costs must be minimized.

What should you include in the solution?

- A. Azure Logic Apps in the integrated service environment
- B. Azure Functions in the Dedicated plan and the Basic Azure App Service plan
- C. Azure Logic Apps in the Consumption plan
- D. Azure Functions in the Consumption plan

**Answer:** D

**Explanation:**

When you create a function app in Azure, you must choose a hosting plan for your app. There are three basic hosting plans available for Azure Functions: Consumption plan, Premium plan, and Dedicated (App Service) plan.

For the Consumption plan, you don't have to pay for idle VMs or reserve capacity in advance. Connect to private endpoints with Azure Functions

As enterprises continue to adopt serverless (and Platform-as-a-Service, or PaaS) solutions, they often need a way to integrate with existing resources on a virtual network. These existing resources could be databases, file storage, message queues or event streams, or REST APIs.

**Reference:**

<https://docs.microsoft.com/en-us/azure/azure-functions/functions-scale> <https://techcommunity.microsoft.com/t5/azure-functions/connect-to-private-endpoints-with-azure-functions/ba-p>

**NEW QUESTION 10**

- (Exam Topic 3)

Your company has users who work remotely from laptops.

You plan to move some of the applications accessed by the remote users to Azure virtual machines. The users will access the applications in Azure by using a

point-to-site VPN connection. You will use certificates generated from an on-premises-based certification authority (CA).

You need to recommend which certificates are required for the deployment.

What should you include in the recommendation? To answer, drag the appropriate certificates to the correct targets. Each certificate may be used once, more than once, or not at all. You may need to drag the split bar between panes or scroll to view content.

NOTE: Each correct selection is worth one point.

## Certificates

- A root CA certificate that has the private key
- A root CA certificate that has the public key
- A user certificate that has the private key
- A user certificate that has the public key

## Answer Area

Trusted Root Certification Authorities certificate store on each laptop:

Certificate

The users' Personal store on each laptop:

Certificate

The Azure VPN gateway:

Certificate

- A. Mastered  
B. Not Mastered

**Answer:** A

**Explanation:**

## Certificates

- A root CA certificate that has the private key
- A root CA certificate that has the public key
- A user certificate that has the private key
- A user certificate that has the public key

## Answer Area

Trusted Root Certification Authorities certificate store on each laptop:

A root CA certificate that has the public key

The users' Personal store on each laptop:

A user certificate that has the private key

The Azure VPN gateway:

A root CA certificate that has the public key

## NEW QUESTION 14

- (Exam Topic 3)

You are designing a message application that will run on an on-premises Ubuntu virtual machine. The application will use Azure Storage queues.

You need to recommend a processing solution for the application to interact with the storage queues. The solution must meet the following requirements:

- Create and delete queues daily.
- Be scheduled by using a CRON job.
- Upload messages every five minutes.

What should developers use to interact with the queues?

- A. Azure CLI  
B. AzCopy  
C. Azure Data Factory  
D. .NET Core

**Answer:** D

**Explanation:**

Reference:

<https://docs.microsoft.com/en-us/azure/storage/queues/storage-tutorial-queues>

## NEW QUESTION 16

- (Exam Topic 3)

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You plan to migrate the virtual machines to an Azure subscription.

You need to recommend a solution to replicate the disks of the virtual machines to Azure. The solution must ensure that the virtual machines remain available during the migration of the disks.

Solution: You recommend implementing a Recovery Services vault and then using Azure Site Recovery. Does this meet the goal?

- A. Yes  
B. No

**Answer:** A

**Explanation:**

Site Recovery can replicate on-premises VMware VMs, Hyper-V VMs, physical servers (Windows and Linux), Azure Stack VMs to Azure.

Note: Site Recovery helps ensure business continuity by keeping business apps and workloads running during outages. Site Recovery replicates workloads running on physical and virtual machines (VMs) from a primary site to a secondary location. When an outage occurs at your primary site, you fail over to secondary location, and access apps from there. After the primary location is running again, you can fail back to it.

**References:**

<https://docs.microsoft.com/en-us/azure/site-recovery/site-recovery-overview>

**NEW QUESTION 21**

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