

## 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 notification solution for the IT Support distribution group. What should you include in the recommendation?

- A. Azure Network Watcher
- B. an action group
- C. a SendGrid account with advanced reporting
- D. Azure AD Connect Health

**Answer:** D

**Explanation:**

References:

<https://docs.microsoft.com/en-us/azure/active-directory/hybrid/how-to-connect-health-operations>

**NEW QUESTION 2**

- (Exam Topic 1)

What should you include in the identity management strategy to support the planned changes?

- A. Move all the domain controllers from corp.fabrikam.com to virtual networks in Azure.
- B. Deploy domain controllers for corp.fabrikam.com to virtual networks in Azure.
- C. Deploy a new Azure AD tenant for the authentication of new R&D projects.
- D. Deploy domain controllers for the rd.fabrikam.com forest to virtual networks in Azure.

**Answer:** B

**Explanation:**

Directory synchronization between Azure Active Directory (Azure AD) and corp.fabrikam.com must not be affected by a link failure between Azure and the on-premises network. (This requires domain controllers in Azure)

Users on the on-premises network must be able to authenticate to corp.fabrikam.com if an Internet link fails. (This requires domain controllers on-premises)

**NEW QUESTION 3**

- (Exam Topic 2)

You need to recommend a solution for protecting the content of the back-end tier of the payment processing system.

What should you include in the recommendations?

- A. Always Encrypted with deterministic encryption
- B. Transparent Data Encryption (TDE)
- C. Azure Storage Service Encryption
- D. Always Encrypted with randomized encryption

**Answer:** A

**NEW QUESTION 4**

- (Exam Topic 2)

You need to recommend a backup solution for the data store of the payment processing system.

What should you include in the recommendation?

- A. Microsoft System Center Data Protection Manager (DPM)
- B. Azure Backup Server
- C. Azure SQL long-term backup retention
- D. Azure Managed Disks

**Answer:** C

**Explanation:**

Reference:

<https://docs.microsoft.com/en-us/azure/sql-database/sql-database-long-term-backup-retention-configure>

**NEW QUESTION 5**

- (Exam Topic 3)

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

You plan to deploy Azure Cosmos DB databases that will use the SQL API.

You need to recommend a solution to provide specific Azure AD user accounts with read access to the Cosmos DB databases.

What should you include in the recommendation?

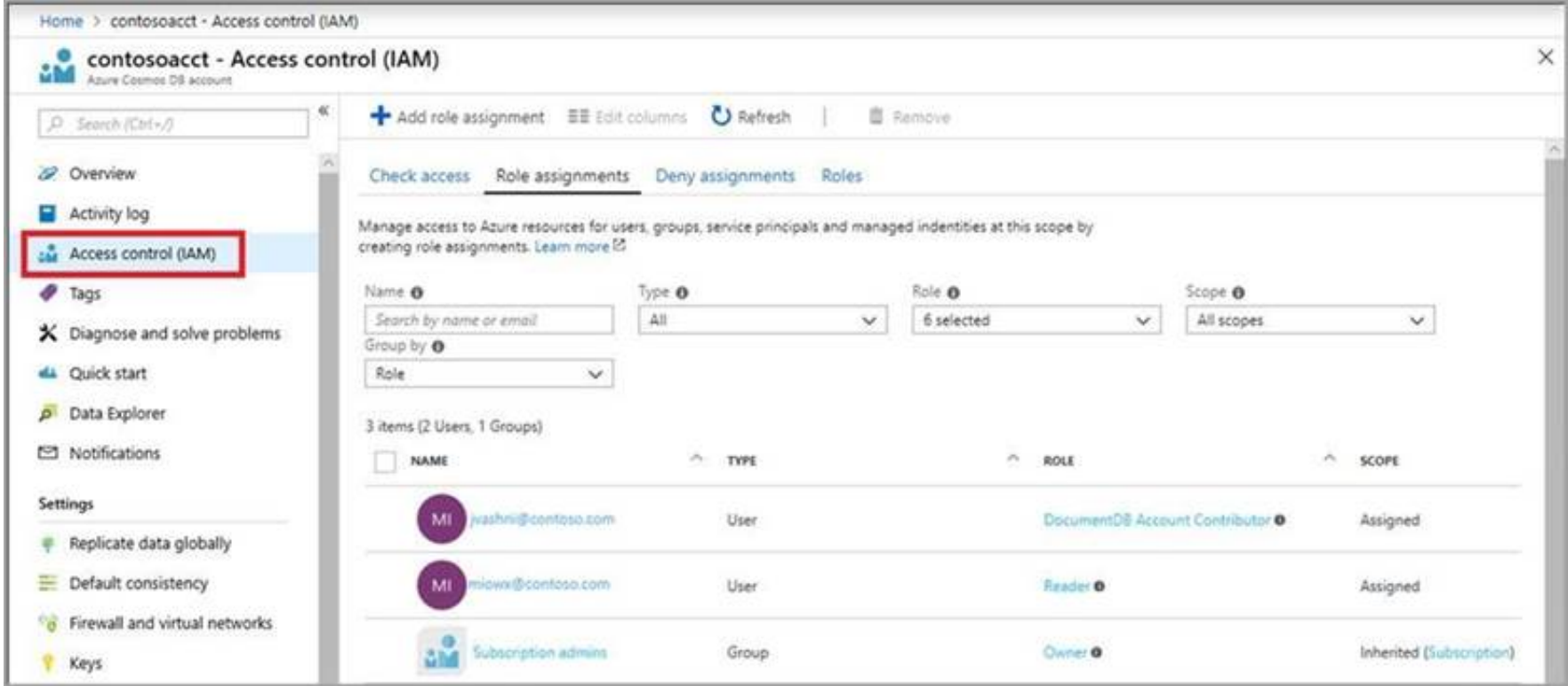
- A. a resource token and an Access control (IAM) role assignment
- B. shared access signatures (SAS) and conditional access policies
- C. master keys and Azure Information Protection policies
- D. certificates and Azure Key Vault

**Answer:** A

**Explanation:**

The Access control (IAM) pane in the Azure portal is used to configure role-based access control on Azure Cosmos resources. The roles are applied to users, groups, service principals, and managed identities in Active Directory. You can use built-in roles or custom roles for individuals and groups. The following

screenshot shows Active Directory integration (RBAC) using access control (IAM) in the Azure portal:



Reference:  
<https://docs.microsoft.com/en-us/azure/cosmos-db/role-based-access-control>

**NEW QUESTION 6**

- (Exam Topic 3)  
You have 70 TB of files on your on-premises file server.  
You need to recommend solution for importing data to Azure. The solution must minimize cost. What Azure service should you recommend?

- A. Azure StorSimple
- B. Azure Batch
- C. Azure Data Box
- D. Azure Stack

**Answer: C**

**Explanation:**

Microsoft has engineered an extremely powerful solution that helps customers get their data to the Azure public cloud in a cost-effective, secure, and efficient manner with powerful Azure and machine learning at play. The solution is called Data Box.  
Data Box and is in general availability status. It is a rugged device that allows organizations to have 100 TB of capacity on which to copy their data and then send it to be transferred to Azure.  
Reference:  
<https://www.vembu.com/blog/what-is-microsoft-azure-data-box-disk-edge-heavy-gateway-overview/>

**NEW QUESTION 7**

- (Exam Topic 3)  
You are building an application that will run in a virtual machine (VM). The application will use Azure Managed Identity.  
The application uses Azure Key Vault, Azure SQL Database, and Azure Cosmos DB. You need to ensure the application can use secure credentials to access these services.  
Which authentication method should you recommend? To answer, select the appropriate options in the answer area.  
NOTE: Each correct selection is worth one point.

Functionality	Authorization method
Azure Key Vault	<div><div>Hash-based message authentication code (HMAC)</div><div>Azure Managed Identity</div><div>Role-Based Access Controls (RBAC)</div><div>HTTPS encryption</div></div>
Azure SQL	<div><div>Hash-based message authentication code (HMAC)</div><div>Azure Managed Identity</div><div>Role-Based Access Controls (RBAC)</div><div>HTTPS encryption</div></div>
Cosmos DB	<div><div>Hash-based message authentication code (HMAC)</div><div>Azure Managed Identity</div><div>Role-Based Access Controls (RBAC)</div><div>HTTPS encryption</div></div>

- A. Mastered  
B. Not Mastered

**Answer:** A

**Explanation:**

Note: Managed identities for Azure resources is the new name for the service formerly known as Managed Service Identity (MSI). Reference:  
<https://docs.microsoft.com/en-us/azure/active-directory/managed-identities-azure-resources/overview>

**NEW QUESTION 8**

- (Exam Topic 3)

You need to design a resource governance solution for an Azure subscription. The solution must meet the following requirements:

- Ensure that all ExpressRoute resources are created in a resource group named RG1.
- Delegate the creation of the ExpressRoute resources to an Azure Active Directory (Azure AD) group named Networking.
- Use the principle of least privilege.

What should you include in the solution? To answer, select the appropriate options in the answer area.

NOTE: Each correct selection is worth one point.

Ensure that all ExpressRoute resources are created in RG1:	<div><div>A custom RBAC role assignment at the level of RG1</div><div>A custom RBAC role assignment at the subscription level</div><div>An Azure Blueprints assignment that sets locking mode for the level of RG1</div><div>An Azure Policy assignment at the subscription level that has an exclusion</div><div>Multiple Azure Policy assignments at the resource group level except for RG1</div></div>
Delegate the creation of the ExpressRoute resources to Networking:	<div><div>A custom RBAC role assignment at the level of RG1</div><div>A custom RBAC role assignment at the subscription level</div><div>An Azure Blueprints assignment that sets locking mode for the level of RG1</div><div>An Azure Policy assignment at the subscription level that has an exclusion</div><div>Multiple Azure Policy assignments at the resource group level except for RG1</div></div>

- A. Mastered  
B. Not Mastered

**Answer:** A

**Explanation:**

Box 1: An Azure policy assignment at the subscription level that has an exclusion  
Box 2: A custom RBAC role assignment at the level of RG1  
Azure role-based access control (Azure RBAC) is the authorization system you use to manage access to Azure resources. To grant access, you assign roles to users, groups, service principals, or managed identities at a particular scope.  
Reference:  
<https://docs.microsoft.com/en-us/azure/governance/policy/tutorials/create-and-manage>

**NEW QUESTION 9**

- (Exam Topic 3)

You are developing a sales application that will contain several Azure cloud services and will handle different components of a transaction. Different cloud services will process customer orders, billing, payment, inventory, and shipping.

You need to recommend a solution to enable the cloud services to asynchronously communicate transaction information by using REST messages.

What should you include in the recommendation?

- A. Azure Service Bus  
B. Azure Blob storage  
C. Azure Notification Hubs  
D. Azure Application Gateway

**Answer:** A

**Explanation:**

Service Bus is a transactional message broker and ensures transactional integrity for all internal operations against its message stores. All transfers of messages inside of Service Bus, such as moving messages to a dead-letter queue or automatic forwarding of messages between entities, are transactional.  
Reference:  
<https://docs.microsoft.com/en-us/azure/service-bus-messaging/service-bus-transactions>

**NEW QUESTION 10**

- (Exam Topic 3)

You need to deploy resources to host a stateless web app in an Azure subscription. The solution must meet the following requirements:

- Provide access to the full .NET framework.
- Provide redundancy if an Azure region fails.



• Grant administrators access to the operating system to install custom application dependencies.  
Solution: You deploy an Azure virtual machine to two Azure regions, and you deploy an Azure Application Gateway.  
Does this meet the goal?

- A. Yes
- B. No

**Answer: B**

**Explanation:**

You need to deploy two Azure virtual machines to two Azure regions, but also create a Traffic Manager profile.

**NEW QUESTION 10**

- (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 and then running AzCopy. Does this meet the goal?

- A. Yes
- B. NO

**Answer: B**

**Explanation:**

AzCopy only copy files, not the disks. Instead use Azure Site Recovery. References:

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

**NEW QUESTION 14**

- (Exam Topic 3)

You have 100 servers that run Windows Server 2012 R2 and host Microsoft SQL Server 2012 R2 instances. The instances host databases that have the following characteristics:

- The largest database is currently 3 TB. None of the databases will ever exceed 4 TB.
- Stored procedures are implemented by using CLR.

You plan to move all the data from SQL Server to Azure.

You need to recommend an Azure service to host the databases. The solution must meet the following requirements:

- Whenever possible, minimize management overhead for the migrated databases.
- Minimize the number of database changes required to facilitate the migration.
- Ensure that users can authenticate by using their Active Directory credentials.

What should you include in the recommendation?

- A. Azure SQL Database single databases
- B. Azure SQL Database Managed Instance
- C. Azure SQL Database elastic pools
- D. SQL Server 2016 on Azure virtual machines

**Answer: B**

**Explanation:**

References:

<https://docs.microsoft.com/en-us/azure/sql-database/sql-database-managed-instance>

**NEW QUESTION 17**

- (Exam Topic 3)

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You have an Azure Storage v2 account named Storage1. You plan to archive data to Storage1.

You need to ensure that the archived data cannot be deleted for five years. The solution must prevent administrators from deleting the data.

Solution: You create a file share and snapshots. Does this meet the goal?

- A. Yes
- B. No

**Answer: B**

**Explanation:**

Instead you could create an Azure Blob storage container, and you configure a legal hold access policy. References:

<https://docs.microsoft.com/en-us/azure/storage/blobs/storage-blob-immutable-storage>

**NEW QUESTION 20**

- (Exam Topic 3)

You are developing a web application that provides streaming video to users. You configure the application to use continuous integration and deployment.

The app must be highly available and provide a continuous streaming experience for users.  
You need to recommend a solution that allows the application to store data in a geographical location that is closest to the user.  
What should you recommend?

- A. Azure App Service Web Apps
- B. Azure App Service Isolated
- C. Azure Redis Cache
- D. Azure Content Delivery Network (CDN)

**Answer:** D

**Explanation:**

Azure Content Delivery Network (CDN) is a global CDN solution for delivering high-bandwidth content. It can be hosted in Azure or any other location. With Azure CDN, you can cache static objects loaded from Azure Blob storage, a web application, or any publicly accessible web server, by using the closest point of presence (POP) server. Azure CDN can also accelerate dynamic content, which cannot be cached, by leveraging various network and routing optimizations.

References:

<https://docs.microsoft.com/en-in/azure/cdn/>

**NEW QUESTION 24**

- (Exam Topic 3)

You need to deploy resources to host a stateless web app in an Azure subscription. The solution must meet the following requirements:

- Provide access to the full .NET framework.
- Provide redundancy if an Azure region fails.
- Grant administrators access to the operating system to install custom application dependencies. Solution: You deploy a web app in an Isolated App Service plan.

Does this meet the goal?

- A. Yes
- B. No

**Answer:** B

**Explanation:**

Instead, you should deploy an Azure virtual machine to two Azure regions, and you create a Traffic Manager profile.

**NEW QUESTION 27**

- (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 31**

- (Exam Topic 3)

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You plan to morale the virtual machine? to an Azure subscription

You need to recommend 9 solution 10 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. Dees 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 33**

- (Exam Topic 3)

You have an Azure subscription that contains 100 virtual machines.

You plan to design a data protection strategy to encrypt the virtual disks.

You need to recommend a solution to encrypt the disks by using Azure Disk Encryption. The solution must provide the ability to encrypt operating system disks and data disks.

What should you include in the recommendation?

- A. a passphrase
- B. a certificate
- C. a key
- D. a secret

**Answer: C**

**Explanation:**

For enhanced virtual machine (VM) security and compliance, virtual disks in Azure can be encrypted. Disks are encrypted by using cryptographic keys that are secured in an Azure Key Vault. You control these cryptographic keys and can audit their use.

Reference:

<https://docs.microsoft.com/en-us/azure/virtual-machines/windows/encrypt-disks>

**NEW QUESTION 36**

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