



AZ-301^{Q&As}

Microsoft Azure Architect Design

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QUESTION 1

You manage an application instance. The application consumes data from multiple databases. Application code references database tables using a combination of the server, database, and table name.

You need to migrate the application instance to Azure.

What are two possible ways to achieve this goal? Each correct answer presents a complete solution.

NOTE: Each correct selection is worth one point.

- A. SQL Server Stretch Database
- B. SQL Server in an Azure virtual machine
- C. Azure SQL Database
- D. SQL Managed Instance

Correct Answer: AD

A: Access your SQL Server data seamlessly regardless of whether it's on-premises or stretched to the cloud. You set the policy that determines where data is stored, and SQL Server handles the data movement in the background. The entire table is always online and queryable. And, Stretch Database doesn't require any changes to existing queries or applications - the location of the data is completely transparent to the application.

D: The managed instance deployment model is designed for customers looking to migrate a large number of apps from on-premises or IaaS, self-built, or ISV provided environment to fully managed PaaS cloud environment, with as low migration effort as possible. Using the fully automated Data Migration Service (DMS) in Azure, customers can lift and shift their on-premises SQL Server to a managed instance that offers compatibility with SQL Server on-premises and complete isolation of customer instances with native VNet support.

Reference: <https://docs.microsoft.com/en-us/sql/sql-server/stretch-database/stretch-database>

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

QUESTION 2

You are designing an Azure web app.

You need to ensure that users who have impaired vision can use the app.

Which reference material should you use when designing the app?

- A. Accessibility in Windows Dev Center
- B. Azure Application Architecture Guide
- C. Web Content Accessibility Guidelines
- D. Cloud Application Architecture Guide

Correct Answer: C



How Microsoft integrates accessibility

Microsoft's obligation to accessibility is guided by three main principles: transparency, inclusivity and accountability. In developing our products and services, we take into account leading global accessibility standards, including:

EN 301 549

U.S. Section 508

Web Content Accessibility Guidelines (WCAG)

References:

<https://www.microsoft.com/en-us/trust-center/compliance/accessibility>

QUESTION 3

HOTSPOT

You have an Azure subscription that contains the Microsoft SQL servers shown in the following table.

Name	Resource group	Location
SQLsvr1	RG1	East US
SQLsvr2	RG2	West US

The subscription contains the storage accounts shown in the following table.

Name	Resource group	Location	Account kind
Storage1	RG1	East US	StorageV2 (general purpose v2)
Storage2	RG2	Central US	BlobStorage

You create the Azure SQL databases shown in the following table.

Name	Resource group	Server	Pricing tier
SQLdb1	RG1	SQLsvr1	Standard
SQLdb2	RG1	SQLsvr1	Standard
SQLdb3	RG2	SQLsvr2	Premium

For each of the following statements, select Yes if the statement is true. Otherwise, select No.

NOTE: Each correct selection is worth one point.

Hot Area:



Answer Area

Statements	Yes	No
When you enable auditing for SQLdb1, you can store the audit information to Storage1.	<input type="radio"/>	<input type="radio"/>
When you enable auditing for SQLdb2, you can store the audit information to Storage2.	<input type="radio"/>	<input type="radio"/>
When you enable auditing for SQLdb3, you can store the audit information to Storage2.	<input type="radio"/>	<input type="radio"/>

Correct Answer:

Answer Area

Statements	Yes	No
When you enable auditing for SQLdb1, you can store the audit information to Storage1.	<input checked="" type="radio"/>	<input type="radio"/>
When you enable auditing for SQLdb2, you can store the audit information to Storage2.	<input type="radio"/>	<input checked="" type="radio"/>
When you enable auditing for SQLdb3, you can store the audit information to Storage2.	<input type="radio"/>	<input checked="" type="radio"/>

Box 1: Yes Be sure that the destination is in the same region as your database and server. Box 2: No

Box 3: No References: <https://docs.microsoft.com/en-us/azure/sql-database/sql-database-auditing>

QUESTION 4

You have an application named App1. App1 generates log files that must be archived for five years. The log files must be readable by App1 but must not be modified. Which storage solution should you recommend for archiving?

- A. Use an Azure Blob storage account and a time-based retention policy
- B. Ingest the log files into an Azure Log Analytics workspace
- C. Use an Azure Blob Storage account configured to use the Archive access tier
- D. Use an Azure file share that has access control enabled

Correct Answer: A

Immutable storage for Azure Blob storage enables users to store business-critical data objects in a WORM (Write Once, Read Many) state.



Immutable storage supports:

Time-based retention policy support: Users can set policies to store data for a specified interval. When a time-based retention policy is set, blobs can be created and read, but not modified or deleted. After the retention period has expired,

blobs can be deleted but not overwritten.

References:

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

QUESTION 5

You have an Azure subscription that contains an Azure Cosmos DB account.

You need to recommend a solution to generate an alert from Azure Log Analytics when a request charge for a query exceeds 50 request units more than 20 times within a 15-minute window.

What should you recommend?

- A. Create a search query to identify when requestCharge_s exceeds 50. Configure an alert threshold of 20 and a period of 15.
- B. Create a search query to identify when duration_s exceeds 20 and requestCharge_s exceeds 50. Configure a period of 15.
- C. Create a search query to identify when requestCharge_s exceeds 20. Configure a period of 15 and a frequency of 20.
- D. Create a search query to identify when duration_s exceeds 20. Configure a period of 15.

Correct Answer: A

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