



# Microsoft

## AZ-301 Exam

### Microsoft Azure Architect Design Exam

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# Version: 24.0

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**Question: 1**

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**HOTSPOT**

To meet the authentication requirements of Fabrikam, 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.

Minimum number of Azure AD tenants:

|   |   |
|---|---|
|   | ▼ |
| 0 |   |
| 1 |   |
| 2 |   |
| 3 |   |
| 4 |   |

Minimum number of custom domains to add:

|   |   |
|---|---|
|   | ▼ |
| 0 |   |
| 1 |   |
| 2 |   |
| 3 |   |
| 4 |   |

Minimum number of conditional access policies to create:

|   |   |
|---|---|
|   | ▼ |
| 0 |   |
| 1 |   |
| 2 |   |
| 3 |   |
| 4 |   |

---

**Answer:**

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Minimum number of Azure AD tenants:

|   |   |
|---|---|
|   | ▼ |
| 0 |   |
| 1 |   |
| 2 |   |
| 3 |   |
| 4 |   |

Minimum number of custom domains to add:

|   |   |
|---|---|
|   | ▼ |
| 0 |   |
| 1 |   |
| 2 |   |
| 3 |   |
| 4 |   |

Minimum number of conditional access policies to create:

|   |   |
|---|---|
|   | ▼ |
| 0 |   |
| 1 |   |
| 2 |   |
| 3 |   |
| 4 |   |

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### Question: 2

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You need to recommend a data storage strategy for WebApp1. What should you include in the recommendation?

- A. an Azure SQL Database elastic pool
- B. a vCore-based Azure SQL database
- C. an Azure virtual machine that runs SQL Server
- D. a fixed-size DTU AzureSQL database.

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**Answer: B**

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### Question: 3

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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

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**Answer: B**

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**Question: 4**

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You need to recommend a strategy for the web tier of WebApp1. The solution must minimize What should you recommend?

- A. Create a runbook that resizes virtual machines automatically to a smaller size outside of business hours.
- B. Configure the Scale Up settings for a web app.
- C. Deploy a virtual machine scale set that scales out on a 75 percent CPU threshold.
- D. Configure the Scale Out settings for a web app.

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**Answer: D**

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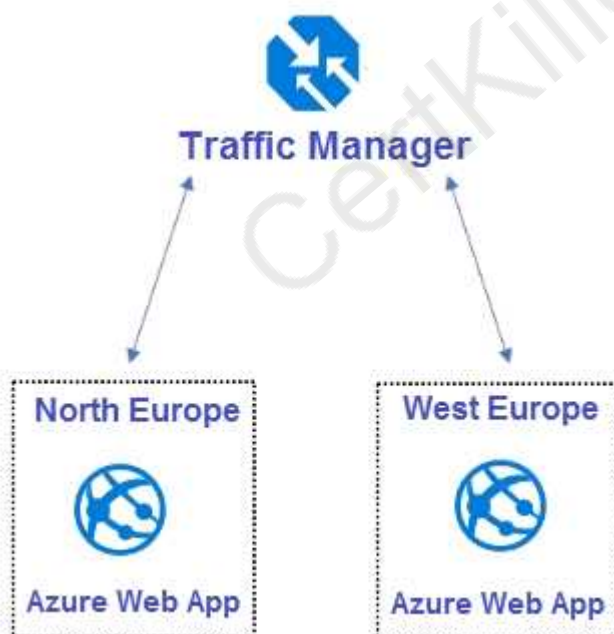
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**Question: 5**

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HOTSPOT

You design a solution for the web tier of WebApp1 as shown in the exhibit.



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

| Statements   | Yes                   | No                    |
|--|-----------------------|-----------------------|
| The design supports the technical requirements for redundancy.       | <input type="radio"/> | <input type="radio"/> |
| The design supports autoscaling.                                     | <input type="radio"/> | <input type="radio"/> |
| The design requires a manual configuration if an Azure region fails. | <input type="radio"/> | <input type="radio"/> |

**Answer:**

| Statements   | Yes                              | No                               |
|--|----------------------------------|----------------------------------|
| The design supports the technical requirements for redundancy.       | <input checked="" type="radio"/> | <input type="radio"/>            |
| The design supports autoscaling.                                     | <input checked="" type="radio"/> | <input type="radio"/>            |
| The design requires a manual configuration if an Azure region fails. | <input type="radio"/>            | <input checked="" type="radio"/> |

Explanation:

Box 1: Yes

Any new deployments to Azure must be redundant in case an Azure region fails.

Traffic Manager uses DNS to direct client requests to the most appropriate service endpoint based on a traffic-routing method and the health of the endpoints. An endpoint is any Internet-facing service hosted inside or outside of Azure. Traffic Manager provides a range of traffic-routing methods and endpoint monitoring options to suit different application needs and automatic failover models. Traffic Manager is resilient to failure, including the failure of an entire Azure region.

Box 2: Yes

Recent changes in Azure brought some significant changes in autoscaling options for Azure Web Apps (i.e. Azure App Service to be precise as scaling happens on App Service plan level and has effect on all Web Apps running in that App Service plan).

Box 3: No

Traffic Manager provides a range of traffic-routing methods and endpoint monitoring options to suit different application needs and automatic failover models. Traffic Manager is resilient to failure, including the failure of an entire Azure region.

Reference:

<https://docs.microsoft.com/en-us/azure/traffic-manager/traffic-manager-overview>

<https://blogs.msdn.microsoft.com/hsirtl/2017/07/03/autoscaling-azure-web-apps/>

**Question: 6**

You need to recommend a solution to meet the database retention requirement. What should you recommend?

- A. Configure a long-term retention policy for the database.
- B. Configure Azure Site Recovery.
- C. Configure geo replication of the database.
- D. Use automatic Azure SQL Database backups.

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**Answer: A**

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**Question: 7**

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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.

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**Answer: B**

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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)

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**Question: 8**

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HOTSPOT

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.

| <b>Statements</b>  | <b>Yes</b>            | <b>No</b>             |
|--|-----------------------|-----------------------|
| 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"/> |

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**Answer:**

---

| 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 checked="" type="radio"/> |
| You must provision an Azure Storage account for the Database metric monitoring.    | <input type="radio"/> | <input type="radio"/>            |

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**Question: 9**

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

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**Answer: D**

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References:

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

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**Question: 10**

You need to recommend a backup solution for the data store of the payment processing. What should you include in the recommendation?

- A. Microsoft System Center Data Protection Manager (DPM)
- B. long-term retention
- C. a Recovery Services vault
- D. Azure Backup Server

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**Answer: B**

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Explanation:

References:

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

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