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Microsoft Azure Architect Design

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DEMO VERSION (LIMITED CONTENT)

Questions & Answers

Version: 18.1

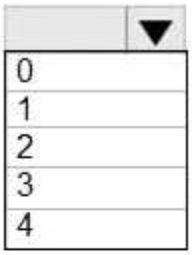
Question: 1

HOTSPOT

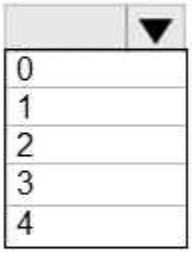
To meet the authentication requirements of Fabrikam, what should you include in the solution? To answer, select the appropriate options in the answer area.

NOTE: Each correct selection is worth one point.

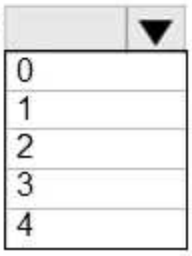
Minimum number of Azure AD tenants:



Minimum number of custom domains to add:



Minimum number of conditional access policies to create:



Answer:

Explanation:

1
1
0

Question: 2

You need to recommend a data storage strategy for WebApp1.

What should you include in 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.

Answer: B

Question: 3

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

Question: 4

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.

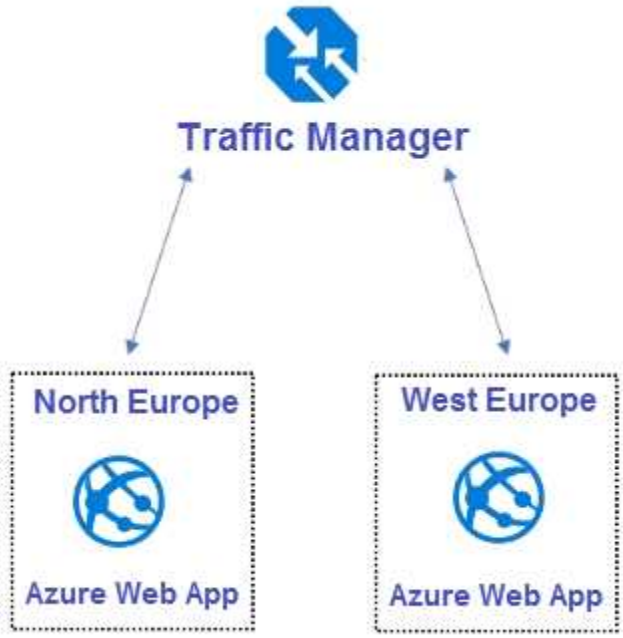
B. Configure the Scale Up settings for a web app.
C. Deploy a virtual machine scale set that scales out on a 75 percent CPU threshold.
D. Configure the Scale Out settings for a web app.

Answer: A

Question: 5

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.	○	○
The design supports autoscaling.	○	○
The design requires a manual configuration if an Azure region fails.	○	○

Answer:

Statements	Yes	No
The design supports the technical requirements for redundancy.	○	○
The design supports autoscaling.	○	○
The design requires a manual configuration if an Azure region fails.	○	○

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/

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