QUESTION 42
Note: This question is part of 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.

Your company has an on-premises data center and an Azure subscription. The on-premises data center contains a Hardware Security Module (HSM).

Your network contains an Active Directory domain that is synchronized to an Azure Active Directory (Azure AD) tenant.

The company is developing an application named Application1. Application1 will be hosted in Azure by using 10 virtual machines that run Windows Server 2016. Five virtual machines will be in the West Europe Azure region and five virtual machines will be in the East US Azure region. The virtual machines will store sensitive company information. All the virtual machines will use managed disks.

You need to recommend a solution to encrypt the virtual machine disks by using BitLocker Drive Encryption (BitLocker).

Solution:
▪ Deploy one Azure key vault to each region
▪ Export two security keys from the on-premises HSM
▪ Import the security keys from the HSM into each Azure key vault
▪ Create two Azure AD service principals
▪ Configure the virtual machines to use Azure Disk Encryption
▪ Specify a different service principal for the virtual machines in each region

Does this meet the goal?

A. Yes
B. No

Correct Answer: A
Explanation:
We use the Azure Premium Key Vault with Hardware Security Modules (HSM) backed keys.

The Key Vault has to be in the same region as the VM that will be encrypted.

Note:
If you want to use a key encryption key (KEK) for an additional layer of security for encryption keys, add a KEK to your key vault. Use the Add-AzKeyVaultKey cmdlet to create a key encryption key in the key vault. You can also import a KEK from your on-premises key management HSM.

References:
https://www.ciraltos.com/azure-disk-encryption-v2/
https://docs.microsoft.com/en-us/azure/security/azure-security-disk-encryption-prerequisites-aad

QUESTION 43

Note: This question is part of 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.

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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 create a Traffic Manager profile.

Does this meet the goal?

A. Yes
B. No

Correct Answer: A

QUESTION 44
Note: This question is part of 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 are designing a storage solution to support on-premises resources and Azure-hosted resources.

You need to provide on-premises storage that has built-in replication to Azure.

Solution: You include Azure Data Table Storage in the design.

Does the solution meet the goal?

A. Yes
B. No

Correct Answer: B

QUESTION 45
DRAG DROP
You need to design an architecture to capture the creation of users and the assignment of roles. The captured data must be stored in Azure Cosmos DB.

Which Azure services should you include in the design? To answer, drag the appropriate services
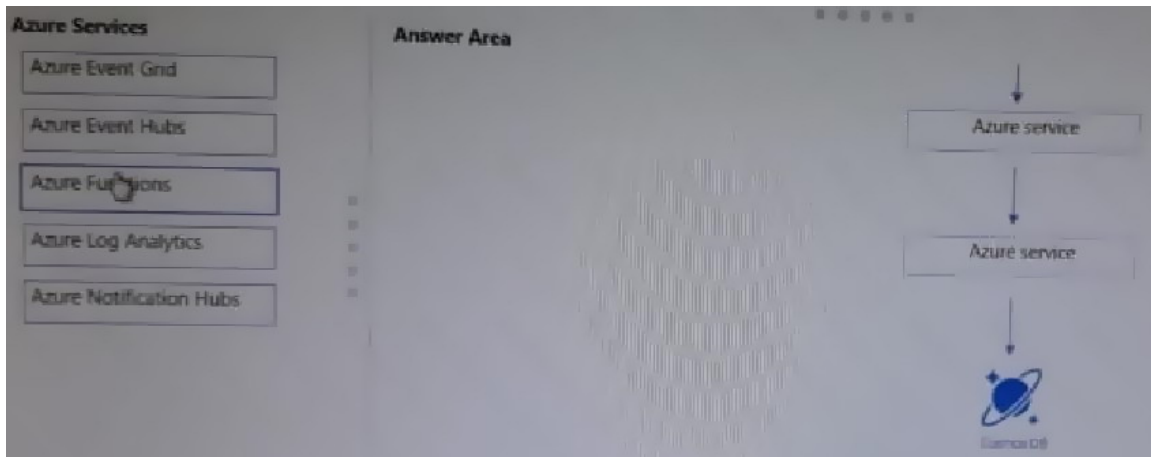
to the correct targets. Each service may be used once. more than once, or not at all. You need to drag the split bar between panes or scroll to view content.

NOTE: Each correct selection worth one point.

Correct Answer:
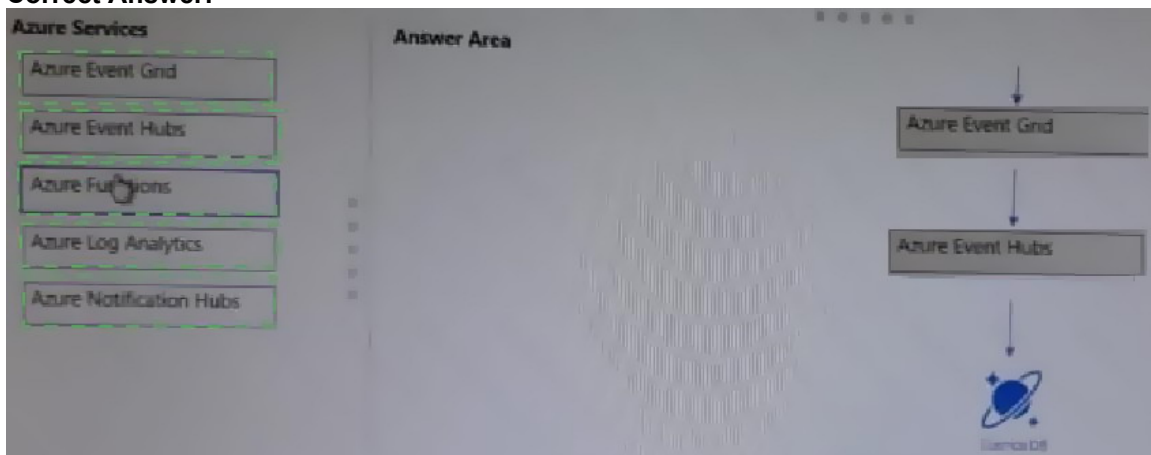
QUESTION 46
HOTSPOT
Your company deploys an Azure App Service Web App.

During testing the application fails under load. The application cannot handle more than 100 concurrent user sessions. You enable the Always On feature. You also configure auto-scaling to increase counts from two to 10 based on HTTP queue length.

You need to improve the performance of the application.

Which solution should you use for each application scenario? To answer, select the appropriate options in the answer area.

NOTE: Each correct selection is worth one point.

Scenario	Solution
Store content close to end users.	▼ Azure Redis Cache Azure Traffic Manager Azure Content Delivery Network Azure Application Gateway
Store content close to the application.	▼ Azure Redis Cache Azure Traffic Manager Azure Content Delivery Network Azure Application Gateway

Correct Answer:

Scenario	Solution
Store content close to end users.	▼ Azure Redis Cache Azure Traffic Manager Azure Content Delivery Network Azure Application Gateway
Store content close to the application.	▼ Azure Redis Cache Azure Traffic Manager Azure Content Delivery Network Azure Application Gateway

QUESTION 47

Note: This question is part of 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.

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You have an Azure subscription named Project1. Only a group named Project1admins is

assigned roles in the Project1 subscription. The Project1 subscription contains all the resources for an application named Application1.

Your company is developing a new application named Application2. The members of the Application2 development team belong to an Azure Active Directory (Azure AD) group named App2Dev.

You identify the following requirements for Application2:

▪ The members of App2Dev must be prevented from changing the role assignments in Azure.
▪ The members of App2Dev must be able to create new Azure resources required by Application2.
▪ All the required role assignments for Application2 will be performed by the members of Project1admins.

You need to recommend a solution for the role assignments of Application2.

Solution: Create a new Azure subscription named Project2. Assign Project1admins the User Access Administrator role for the Project2 subscription. Assign App2Dev the Owner role for the Project2 subscription.

Does this meet the goal?

A. Yes
B. No

Correct Answer: B

QUESTION 48
You need to recommend a solution to generate a monthly report of all the new Azure Resource Manager resource deployments in your subscription. What should you include in the recommendation?

A. the Change Tracking management solution
B. Azure Activity Log
C. Azure Monitor action groups
D. Azure Advisor

Correct Answer: B
Explanation:
The Azure Activity Log provides insight into subscription-level events that have occurred in Azure. This includes a range of data, from Azure Resource Manager operational data to updates on Service Health events.

Activity logs are kept for 90 days. You can query for any range of dates, as long as the starting date isn't more than 90 days in the past.

References:
https://docs.microsoft.com/en-us/azure/azure-resource-manager/resource-group-audit