



AZ-304^{Q&As}

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QUESTION 1

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.

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. Configure virtual machines to use Azure Disk Encryption. Use a different Key Vault for encrypting virtual machine disks in each region.

Does this meet the goal?

A. Yes

B. No

Correct Answer: B

The security key from the on-premises HSM need to be exported.

Reference: <https://docs.microsoft.com/en-us/azure/security/azure-security-disk-encryption-prerequisites-aad>

QUESTION 2

HOTSPOT

You have an Azure subscription that contains the resources shown in the following table.



Name	Type	Kind	Location
storage1	Azure Storage account	Storage	East US
storage2	Azure Storage account	StorageV2	East US
Workspace1	Azure Log Analytics workspace	Not applicable	East US
Workspace2	Azure Log Analytics workspace	Not applicable	East US
Hub1	Azure event hub	Not applicable	East US

You create an Azure SQL database named DB1 that is hosted in the East US region.

To DB1, you add a diagnostic setting named Settings1. Settings1 archives SQLInsights to storage1 and sends SQLInsights to Workspace1.

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

Hot Area:

Statements	Yes	No
You can add a new diagnostic setting that archives SQLInsights logs to storage2.	<input type="radio"/>	<input type="radio"/>
You can add a new diagnostic setting that sends SQLInsights logs to Workspace2.	<input type="radio"/>	<input type="radio"/>
You can add a new diagnostic setting that sends SQLInsights logs to Hub1.	<input type="radio"/>	<input type="radio"/>

Correct Answer:

Statements	Yes	No
You can add a new diagnostic setting that archives SQLInsights logs to storage2.	<input type="radio"/>	<input checked="" type="radio"/>
You can add a new diagnostic setting that sends SQLInsights logs to Workspace2.	<input checked="" type="radio"/>	<input type="radio"/>
You can add a new diagnostic setting that sends SQLInsights logs to Hub1.	<input checked="" type="radio"/>	<input type="radio"/>

Box 1: No

You archive logs only to Azure Storage accounts.

Box 2: Yes

Box 3: Yes



Sending logs to Event Hubs allows you to stream data to external systems such as third-party SIEMs and other log analytics solutions.

Note: A single diagnostic setting can define no more than one of each of the destinations. If you want to send data to more than one of a particular destination type (for example, two different Log Analytics workspaces), then create multiple

settings. Each resource can have up to 5 diagnostic settings.

References:

<https://docs.microsoft.com/en-us/azure/azure-monitor/platform/diagnostic-settings>

QUESTION 3

You are designing an order processing system in Azure that will contain the Azure resources shown in the following table.

Name	Type	Purpose
App1	Web app	Processes customer orders
Function1	Function	Check product availability at vendor 1
Function2	Function	Check product availability at vendor 2
storage1	Storage account	Stores order processing logs

The order processing system will have the following transaction flow:

1.
A customer will place an order by using App1.
2.
When the order is received, App1 will generate a message to check for product availability at vendor 1 and vendor 2.
3.
An integration component will process the message, and then trigger either Function1 or Function2 depending on the type of order.
4.
Once a vendor confirms the product availability, a status message for App1 will be generated by Function1 or Function2.
5.
All the steps of the transaction will be logged to storage1.

Which type of resource should you recommend for the integration component?

A. an Azure Data Factory pipeline



- B. an Azure Service Bus queue
- C. an Azure Event Grid domain
- D. an Azure Event Hubs capture

Correct Answer: A

A data factory can have one or more pipelines. A pipeline is a logical grouping of activities that together perform a task.

The activities in a pipeline define actions to perform on your data. Data Factory has three groupings of activities: data movement activities, data transformation activities, and control activities. Azure Functions is now integrated with Azure Data

Factory, allowing you to run an Azure function as a step in your data factory pipelines.

Reference:

<https://docs.microsoft.com/en-us/azure/data-factory/concepts-pipelines-activities>

QUESTION 4

You plan to deploy a payroll system to Azure. The payroll system will use Azure virtual machines that run SUSE Linux Enterprise Server and Windows. You need to recommend a business continuity solution for the payroll system. The solution must meet the following requirements:

1.
Minimize costs.
2.
Provide business continuity if an Azure region fails.
3.
Provide a recovery time objective (RTO) of 30 minutes.
4.
Provide a recovery point objective (RPO) of five minutes. What should you include in the recommendation?
 - A. Microsoft System Center Data Protection Manager (DPM)
 - B. Azure Site Recovery
 - C. unmanaged disks that use geo-redundant storage (GRS)
 - D. Azure Backup

Correct Answer: C

If your storage account has GRS enabled, then your data is durable even in the case of a complete regional outage or a disaster in which the primary region isn't recoverable.



Note: The recovery time objective (RTO) is the targeted duration of time and a service level within which a business process must be restored after a disaster (or disruption) in order to avoid unacceptable consequences associated with a

break in business continuity.

Incorrect Answers:

B: Azure Site Recovery would not protect against an Azure region failure. Azure Site Recovery guarantees a two-hour Recovery Time Objective. Reference:

<https://docs.microsoft.com/en-us/azure/storage/common/storage-redundancy-grs> https://azure.microsoft.com/en-us/support/legal/sla/site-recovery/v1_0/

QUESTION 5

You need to identify the maximum amount of data loss that can occur if a virtual machine fails over to another region.

What should you identify?

NOTE: To answer this question, sign in to the Azure portal and explore the Azure resource groups.

1.

data from the past 24 hours

2.

data from the past four hours

3.

data from the past eight hours

4.

data from the past two hours

Correct Answer:

Need to check which the oldest recovery point that you can use.

We can do this by checking the retention window of the replication policy.

Reference:

<https://docs.microsoft.com/en-us/azure/site-recovery/azure-to-azure-common-questions>

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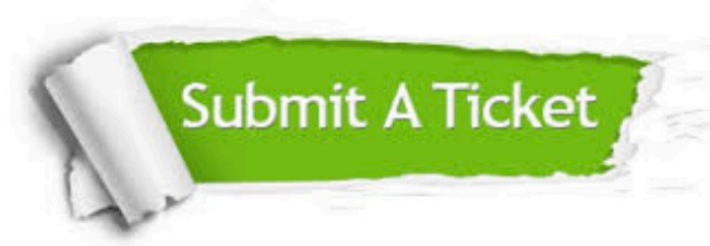
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