

# AZ-305<sup>Q&As</sup>

Designing Microsoft Azure Infrastructure Solutions

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**QUESTION 1**

You have an Azure subscription that contains a Basic Azure virtual WAN named VirtualWAN1 and the virtual hubs shown in the following table.

Name	Azure region
Hub1	US East
Hub2	US West

You have an ExpressRoute circuit in the US East region.

You need to create an ExpressRoute association to VirtualWAN1.

What should you do first?

- A. Upgrade VirtualWAN1 to Standard.
- B. Create a gateway on Hub1.
- C. Create a hub virtual network in US East.
- D. Enable the ExpressRoute premium add-on.

Correct Answer: D

Connectivity across geopolitical regions is not supported on the standard ExpressRoute SKU. You will need to enable the ExpressRoute premium add-on to support global connectivity.

Reference: <https://docs.microsoft.com/en-us/azure/expressroute/expressroute-locations>

**QUESTION 2**

**HOTSPOT**

You have an Azure App Service web app that uses a system-assigned managed identity.

You need to recommend a solution to store their settings of the web app as secrets in an Azure key vault. The solution must meet the following requirements:

1.  
Minimize changes to the app code,
2.  
Use the principle of least privilege.

What should you include in the recommendation? To answer, select the appropriate options in the answer area.

Hot Area:

Key Vault integration method:

Key Vault references in Application settings
Key Vault references in Appsettings.json
Key Vault references in Web.config
Key Vault SDK

Key Vault permissions for the managed identity:

Keys: Get
Keys: List and Get
Secrets: Get
Secrets: List and Get

Correct Answer:

Key Vault integration method:

Key Vault references in Application settings
Key Vault references in Appsettings.json
Key Vault references in Web.config
Key Vault SDK

Key Vault permissions for the managed identity:

Keys: Get
Keys: List and Get
Secrets: Get
Secrets: List and Get

### QUESTION 3

#### HOTSPOT

You need to deploy an instance of SQL Server on Azure Virtual Machines. The solution must meet the following requirements:

1.

Support 15,000 disk IOPS.

2.

Support SR-IOV.

3.

Minimize costs.

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

Hot Area:

### Answer Area

Virtual machine series: 

	▼
DS	
NC	
NV	

Disk type: 

	▼
Standard SSD	
Premium SSD	
Ultra Disk	

Correct Answer:

### Answer Area

Virtual machine series: 

	▼
DS	
NC	
NV	

Disk type: 

	▼
Standard SSD	
Premium SSD	
Ultra Disk	

#### QUESTION 4

Your on-premises network contains 100 virtual machines that run Windows Server 2019.

You have an Azure subscription that contains an Azure Log Analytics workspace named Workspace1.

You need to collect errors from the Windows event logs on the virtual machines.

Which two actions should you perform? Each correct answer presents part of the solution.

NOTE: Each correct selection is worth one point.

- A. Configure the Data Collection settings for Workspace1.
- B. Deploy the Microsoft Monitoring Agent
- C. Create an Azure Event Grid domain
- D. Create an Azure Sentinel workspace.
- E. Configure Windows Event Forwarding on the virtual machines

Correct Answer: AB

The Azure Log Analytics agent collects telemetry from Windows and Linux virtual machines in any cloud, on-premises machines, and those monitored by System Center Operations Manager and sends it collected data to your Log Analytics workspace in Azure Monitor.

Note: You may also see the Log Analytics agent referred to as the Microsoft Monitoring Agent (MMA) or OMS Linux agent.

Data is collected using the Log Analytics agent, which reads various security-related configurations and event logs from the machine and copies the data to your workspace for analysis.

Reference: <https://docs.microsoft.com/en-us/azure/azure-monitor/platform/log-analytics-agent>  
<https://docs.microsoft.com/en-us/azure/security-center/security-center-enable-data-collection>

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## QUESTION 5

You need to recommend a solution for the App1 maintenance task. The solution must minimize costs. What should you include in the recommendation?

- A. an Azure logic app
- B. an Azure function
- C. an Azure virtual machine
- D. an App Service WebJob

Correct Answer: B

<https://learn.microsoft.com/en-us/azure/azure-functions/functions-reference-powershell?tabs=portal>  
<https://learn.microsoft.com/en-us/azure/azure-functions/functions-create-scheduled-function#create-a-timer-triggered-function>

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