



AZ-301^{Q&As}

Microsoft Azure Architect Design

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QUESTION 1

DRAG DROP

You are designing a network connectivity strategy for a new Azure subscription. You identify the following requirements:

1.

The Azure virtual machines on a subnet named Subnet1 must be accessible only from the computers in your London office.

2.

Engineers require access to the Azure virtual machine on a subnet named Subnet2 over the Internet on a specific TCP/IP management port.

3.

The Azure virtual machines in the West Europe Azure region must be able to communicate on all ports to the Azure virtual machines in the North Europe Azure region.

You need to recommend which components must be used to meet the requirements. The solution must minimize costs and administrative effort whenever possible.

What should you include in the recommendation? To answer, drag the appropriate components to the correct requirements. Each component may be used once, more than once, or not at all. You may need to drag the split bar between panes

or scroll to view content.

NOTE: Each correct selection is worth one point.

Select and Place:

Components	Answer Area
An Azure ExpressRoute connection	The Azure virtual machines on Subnet1 must be accessible only from the computers in the London office: <input type="text" value="Component"/>
A network security group (NSG)	Engineers require access to the Azure virtual machines on Subnet2 over the Internet on a specific TCP/IP management port: <input type="text" value="Component"/>
A new virtual network	The Azure virtual machines in the West Europe region must be able to communicate on all ports to the Azure virtual machines in the North Europe region: <input type="text" value="Component"/>
A site-to-site VPN	
Virtual network peering	

Correct Answer:



Components

An Azure ExpressRoute connection
A new virtual network

Answer Area

The Azure virtual machines on Subnet1 must be accessible only from the computers in the London office:

Engineers require access to the Azure virtual machines on Subnet2 over the Internet on a specific TCP/IP management port:

The Azure virtual machines in the West Europe region must be able to communicate on all ports to the Azure virtual machines in the North Europe region:

A site-to-site VPN
A network security group (NSG)
Virtual network peering

QUESTION 2

You are designing a solution for a company to deploy software for testing and production. The solution must meet the following requirements:

1.
Applications must be deployed to several different environments and must run without installation of dependencies.
2.
Existing published application must be ported to the new solution.
3.
Application developers must be given flexibility when architecting their code.

You need to recommend a solution for hosting applications.

What should you select?

- A. Azure worker role
- B. Azure Kubernetes Service
- C. Azure Functions
- D. Azure Batch

Correct Answer: B

Kubernetes is open-source orchestration software for deploying, managing, and scaling containers. The fully managed Azure Kubernetes Service (AKS) makes deploying and managing containerized applications easy. It offers serverless Kubernetes.

Reference: <https://azure.microsoft.com/en-us/services/kubernetes-service/>



QUESTION 3

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 RandD projects.
- D. Deploy domain controllers for the rd.fabrikam.com forest to virtual networks in Azure.

Correct Answer: B

Directory synchronization between Azure Active Directory (Azure AD) and corp.fabrikam.com must not be affected by a link failure between Azure and the onpremises 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)

QUESTION 4

HOTSPOT

Your company develops a web service that is deployed to an Azure virtual machine named VM1. The web service allows an API to access real-time data from VM1.

The current virtual machine deployment is shown in the Deployment exhibit. (Click the Deployment tab).



The chief technology officer (CTO) sends you the following email message: "Our developers have deployed the web service to a virtual machine named VM1. Testing has shown that the APIs is accessible from VM1 and VM2. Our partners must be able to connect to the API over the Internet. Partners will use this data in application that they develop".

You deploy an Azure API Management (APIM) service. The relevant API Management configuration is shown in the API



exhibit. (Click the API tab).

Virtual network: Off External Internal

LOCATION	VIRTUAL NETWORK	SUBNET
North Europe	VNet1	ProdSubnet

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

NOTE: Each correct selection is worth one point.

Hot Area:

Answer Area

Statements	Yes	No
The API is available to partners over the Internet	<input type="radio"/>	<input type="radio"/>
The APIM instance can access real-time from VM1	<input type="radio"/>	<input type="radio"/>
A VPN gateway is required for partner access	<input type="radio"/>	<input type="radio"/>

Correct Answer:



Answer Area

Statements	Yes	No
The API is available to partners over the Internet	<input checked="" type="radio"/>	<input type="radio"/>
The APIM instance can access real-time from VM1	<input checked="" type="radio"/>	<input type="radio"/>
A VPN gateway is required for partner access	<input type="radio"/>	<input checked="" type="radio"/>

QUESTION 5

Note: This question is a 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 have an Azure Active Directory (Azure AZD) tenant named contoso.com. The tenant contains a group named Group1. Group1 contains all the administrative user accounts.

You discover several login attempts to the Azure portal from countries where administrative users do NOT work.

You need to ensure that all login attempts to the Azure portal from those countries require Azure Multi-Factor Authentication (MFA).

Solution: You implement an access package.

Does this solution meet the goal?

A. Yes

B. No

Correct Answer: B



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