AZ-700^{Q&As}

Designing and Implementing Microsoft Azure Networking Solutions

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QUESTION 1

You have an Azure subscription that contains a virtual network named VNet1. VNet1 has a subnet mask of/24. You plan to implement an Azure application gateway that will have the following configurations:

1.

Public endpoints: 1

2.

Private endpoints: 1

3.

Minimum instances: 1

4.

Maximum instances: 10

You need to configure the address space for the subnet of the application gateway. The solution must minimize the number of IP addresses allocated to the application gateway subnet.

What is the minimum number of assignable IP addresses required?

A. 1

B. 2

C. 11

D. 12

E. 20

Correct Answer: C

Application Gateway uses one private IP address per instance, plus another private IP address if a private frontend IP is configured. https://learn.microsoft.com/en-us/azure/application-gateway/configuration-infrastructure#size-of-the-subnet

QUESTION 2

DRAG DROP

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

Name	Type	Description
Gateway1	NAT gateway	Unconfigured
NIC1	Network interface	A network interface with a statically assigned public IP address named PIP1
PIP1	Public IP address	A Basic SKU public IP address
VNet1	Virtual network	Contains a subnet named Subnet1
Subnet1	Virtual subnet	Part of VNet1
VM1	Virtual machine	Connected to Subnet1 via NIC1

You need to associate Gateway1 with Subnet1. The solution must minimize downtime on VM1.

Which three actions should you perform in sequence? To answer, move the appropriate actions from the list of actions to the answer area and arrange them in the correct order.

Select and Place:

Actions

Disassociate PIP1 from NIC1.

Change the PIP1 SKU to Standard.

Change Assignment to Dynamic for PIP1.

Shutdown VM1.

Start VM1.

Associate PIP1 to NIC1.

Answer Area

Correct Answer:

Actions		Answer Area
		Disassociate PIP1 from NIC1.
		Change the PIP1 SKU to Standard.
Change Assignment to Dynamic for PIP1.	>	Associate PIP1 to NIC1.
Shutdown VM1.	<	
Start VM1.		

Explanation:

Step 1: Disassociate PIP1 from NIC1 Azure NAT Gateway resources enable outbound Internet connections from subnets in a virtual network. Resources deployed in the NAT gateway virtual network subnet must be the standard SKU. Deployment of a NAT gateway to a virtual network subnet with basic SKU resources is unsupported.

Resource using Basic SKU public IP addresses, Decision path

* Virtual Machine or Virtual Machine Scale Sets (flex model) Disassociate IP(s) and utilize the upgrade options detailed after the table.

Step 2: Change the Pip1 SKU to standard

Step 3: Associate PIP1 from NIC1

Reference: https://learn.microsoft.com/en-us/azure/virtual-network/ip-services/public-ip-basic-upgrade-guidance https://learn.microsoft.com/en-us/azure/virtual-network/ip-services/configure-public-ip-nat-gateway

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QUESTION 3

HOTSPOT

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

Name	Type	Location	Description
VNet1	Virtual network	East US	Contains a subnet named Subnet1
storage1	Storage account	East US	Uses read-access geo-redundant storage (RA-GRS) redundancy
sql1	Azure SQL server	East US	Hosts a database named SQLDB1

You need to restrict access to storage1 and sql1 by using service endpoints. The solution must meet the following requirements:

Allow access from Subnet1 to SQLDB1.

Implement service endpoint policies to restrict access to supported resources.

Allow access from Subnet1 to storage1 and the read-only replica of storage1 in the paired Azure region.

What is the minimum number of service endpoints and service endpoint policies you should create? To answer, select the appropriate options in the answer area.
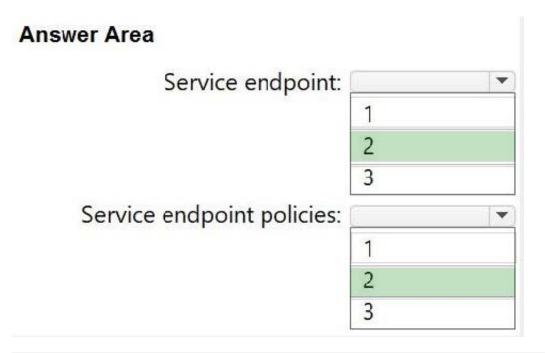
NOTE: Each correct selection is worth one point.

Hot Area:

Answer Area

Service endpoint:
| 1 |
| 2 |
| 3 |

Service endpoint policies:
| 1 |
| 2 |
| 3 |

Correct Answer:

Answer Area

Service endpoint:
| 1 |
| 2 |
| 3 |

Service endpoint policies:
| 1 |
| 2 |
| 3 |

QUESTION 4

You have an Azure Front Door instance named FD1 that is protected by using Azure Web Application Firewall (WAF).

FD1 uses a frontend host named app1.contoso.com to provide access to Azure web apps hosted in the East US Azure region and the West US Azure region.

You need to configure FD1 to block requests to app1.contoso.com from all countries other than the United States.

What should you include in the WAF policy?

A. a frontend host association

B. a managed rule set

C. a custom rule that uses a rate limit rule

D. a custom rule that uses a match rule

Correct Answer: C

QUESTION 5

Your company has an Azure virtual network named Vnet1 that uses an IP address space of 192.168.0.0/20.

Vnet1 contains a subnet named Subnet1 that uses an IP address space of 192.168.0.0/24. You create an IPv6 address range to Vnet1 by using a CIDR suffix of /48. You need to enable the virtual machines on Subnet1 to communicate with

each other by using IPv6 addresses assigned by the company.

The solution must minimize the number of additional IPv4 addresses.

What should you do for each virtual machine?

A. Create an additional IP configuration

B. Create an additional NIC

C. Create a public IPv6 address

Correct Answer: A

You need to configure the VM NICs with an IPv6 address. https://docs.microsoft.com/en-us/azure/load-balancer/ipv6-add-to-existing-vnet-cli

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