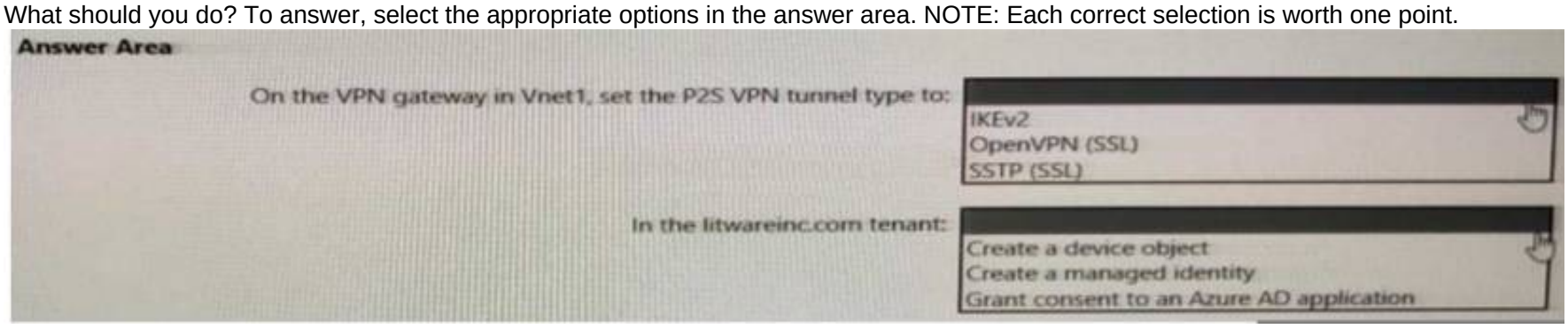
Microsoft

Exam Questions AZ-700

Designing and Implementing Microsoft Azure Networking Solutions

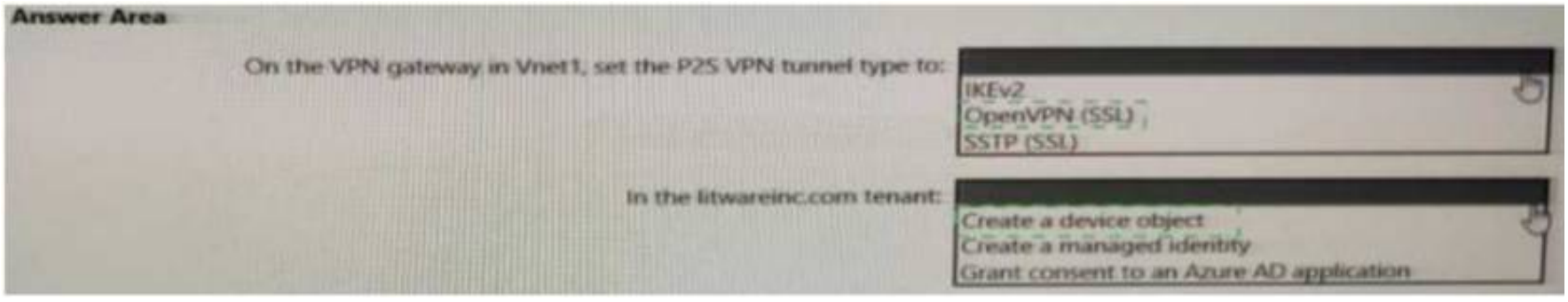
NEW QUESTION 1
- (Exam Topic 1)
You need to implement a P2S VPN for the users in the branch office. The solution must meet the hybrid networking requirements.
What should you do? To answer, select the appropriate options in the answer area. NOTE: Each correct selection is worth one point.



A. Mastered
B. Not Mastered

Answer: A

Explanation:



NEW QUESTION 2
- (Exam Topic 1)
You need to provide connectivity to storage1. The solution must meet the PaaS networking requirements and the business requirements.
What should you include in the solution?

A. a service endpoint
B. Azure Front Door
C. a private endpoint
D. Azure Traffic Manager

Answer: A

NEW QUESTION 3
- (Exam Topic 1)
You need to connect Vnet2 and Vnet3. The solution must meet the virtual networking requirements and the business requirements.
Which two actions should you include in the solution? Each correct answer presents part of the solution.

A. On the peerings from Vnet2 and Vnet3, select Use remote gateways.
B. On the peering from Vnet1, select Allow forwarded traffic.
C. On the peering from Vnet1, select Use remote gateways.
D. On the peering from Vnet1, select Allow gateway transit.
E. On the peerings from Vnet2 and Vnet3, select Allow gateway transit.

Answer: BD

NEW QUESTION 4
- (Exam Topic 2)
What should you implement to meet the virtual network requirements for the virtual machines that connect to Vnet4 and Vnet5?

A. a private endpoint
B. a virtual network peering
C. a private link service
D. a routing table
E. a service endpoint

Answer: B

Explanation:

There is no virtual network peering between VM4's VNet (VNet3) and VM5's VNet (VNet4). To enable the VMs to communicate over the Microsoft backbone network a VNet peering is required between VNet3 and VNet4.

NEW QUESTION 5
- (Exam Topic 2)

For each of the following statements, select Yes if the statement is true. Otherwise, select No. NOTE: Each correct selection is worth one point.

Answer Area

Statements	Yes	No
VM5 can resolve names in zone2.contoso.com.	○	○
VM4 has an automatic registration in zone1.contoso.com.	○	○
You can link zone2.contoso.com to Vnet3 and enable auto registration.	○	○

A. Mastered
B. Not Mastered

Answer: A

Explanation:

Answer Area

Statements	Yes	No
VM5 can resolve names in zone2.contoso.com.	○	○
VM4 has an automatic registration in zone1.contoso.com.	○	○
You can link zone2.contoso.com to Vnet3 and enable auto registration.	○	○

NEW QUESTION 6
- (Exam Topic 3)
You have 10 Azure App Service instances. Each instance hosts the same web app. Each instance is in a different Azure region.
You need to configure Azure Traffic Manager to direct users to the instance that has the lowest latency. Which routing method should you use?

A. geographic
B. weighted
C. performance
D. priority

Answer: D

NEW QUESTION 7
- (Exam Topic 3)
Your company has offices in Montreal. Seattle, and Paris. The outbound traffic from each office originates from a specific public IP address.
You create an Azure Front Door instance named FD1 that has Azure Web Application Firewall (WAF) enabled. You configure a WAF policy named Policy! that has a rule named Rule1. Rule1 applies a rate limit of 100 requests for traffic that originates from the office in Montreal.
You need to apply a rate limit of 100 requests for traffic that originates from each office. What should you do?

A. Modify the conditions of Rule1.
B. Create two additional associations.
C. Modify the rule type of Rule1.
D. Modify the rate limit threshold of Rule1.

Answer: B

NEW QUESTION 8
- (Exam Topic 3)
Your company has a single on-premises datacenter in New York. The East US Azure region has a peering location in New York.
The company only has Azure resources in the East US region.
You need to implement ExpressRoute to support up to 1 Gbps. You must use only ExpressRoute Unlimited data plans. The solution must minimize costs.
Which type of ExpressRoute circuits should you create?

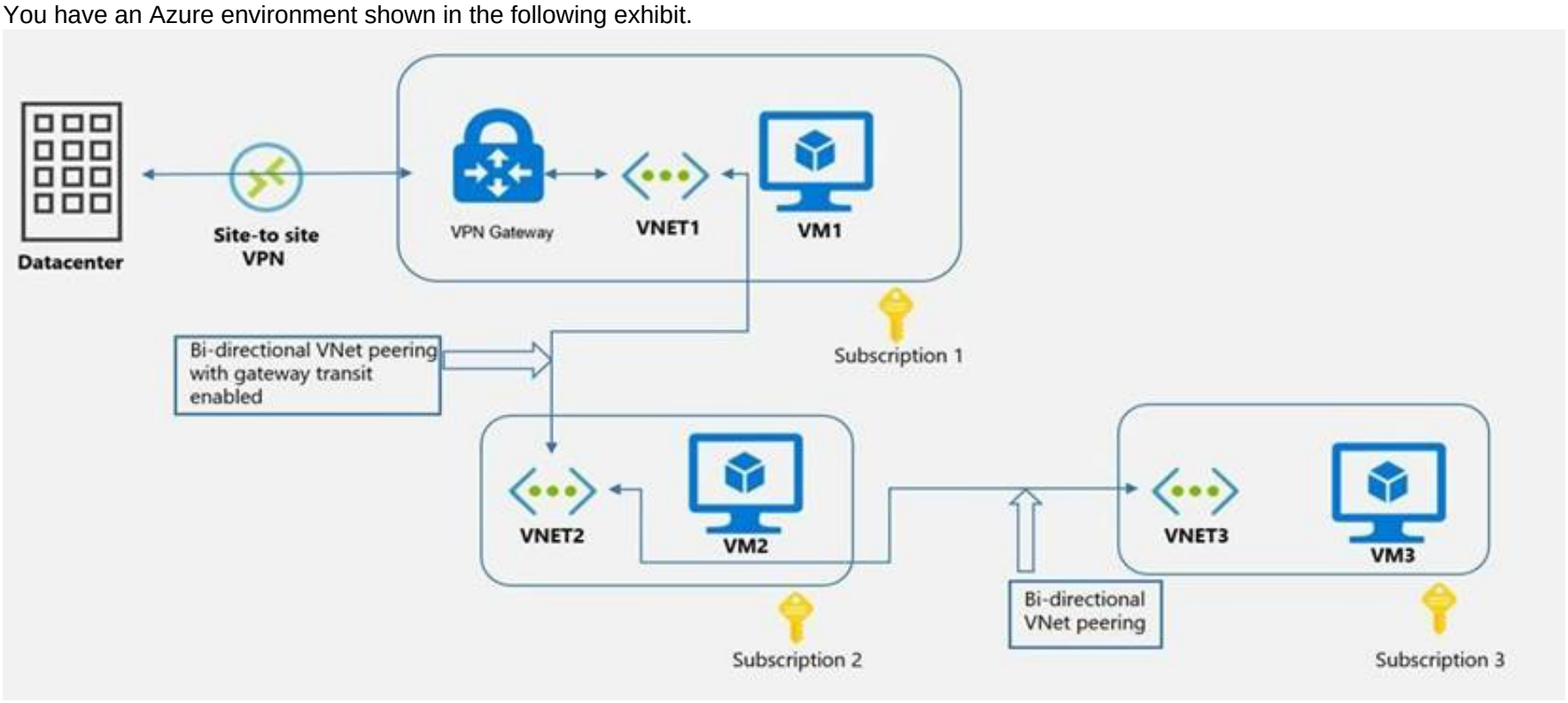
A. ExpressRoute Local
B. ExpressRoute Direct
C. ExpressRoute Premium
D. ExpressRoute Standard

Answer: A

Explanation:

Reference:
https://azure.microsoft.com/en-us/pricing/details/expressroute/

NEW QUESTION 9
- (Exam Topic 3)
You have an Azure environment shown in the following exhibit.



Use the drop-down menus to select the answer choice that completes each statement based on the information presented in the graphic.
NOTE: Each correct selection is worth one point.

Answer Area

VM1 can communicate with **(answer choice):**
- VM2 only
- VM2 and VM3 only
- the on-premises datacenter and VM2 only
- the on-premises datacenter, VM2, and VM3 only

VM2 can communicate with **(answer choice):**
- VM1 only
- VM1 and VM3 only
- the on-premises datacenter and VM3 only
- the on-premises datacenter, VM1, and VM3 only

A. Mastered
B. Not Mastered

Answer: A

Explanation:
Graphical user interface, text, application Description automatically generated
Reference:
https://docs.microsoft.com/en-us/azure/vpn-gateway/vpn-gateway-peering-gateway-transit?toc=/azure/virtual-ne https://docs.microsoft.com/en-ca/azure/virtual-network/ip-services/ipv6-overview#capabilities

NEW QUESTION 10
- (Exam Topic 3)
You are planning the IP addressing for the subnets in Azure virtual networks. Which type of resource requires IP addresses in the subnets?

A. Azure Virtual Network NAT
B. virtual network peering
C. service endpoints
D. private endpoints

Answer: A

NEW QUESTION 10
- (Exam Topic 3)
You have an Azure Traffic Manager parent profile named TM1. TM1 has two child profiles named TM2 and TM3.

TM1 uses the performance traffic-routing method and has the endpoints shown in the following table.

Name	Location
App1	North Europe
App2	East US
App3	Central US
TM2	West Europe
TM3	West US

TM2 uses the weighted traffic-routing method with MinChildEndpoint = 2 and has the endpoints shown in the following table.

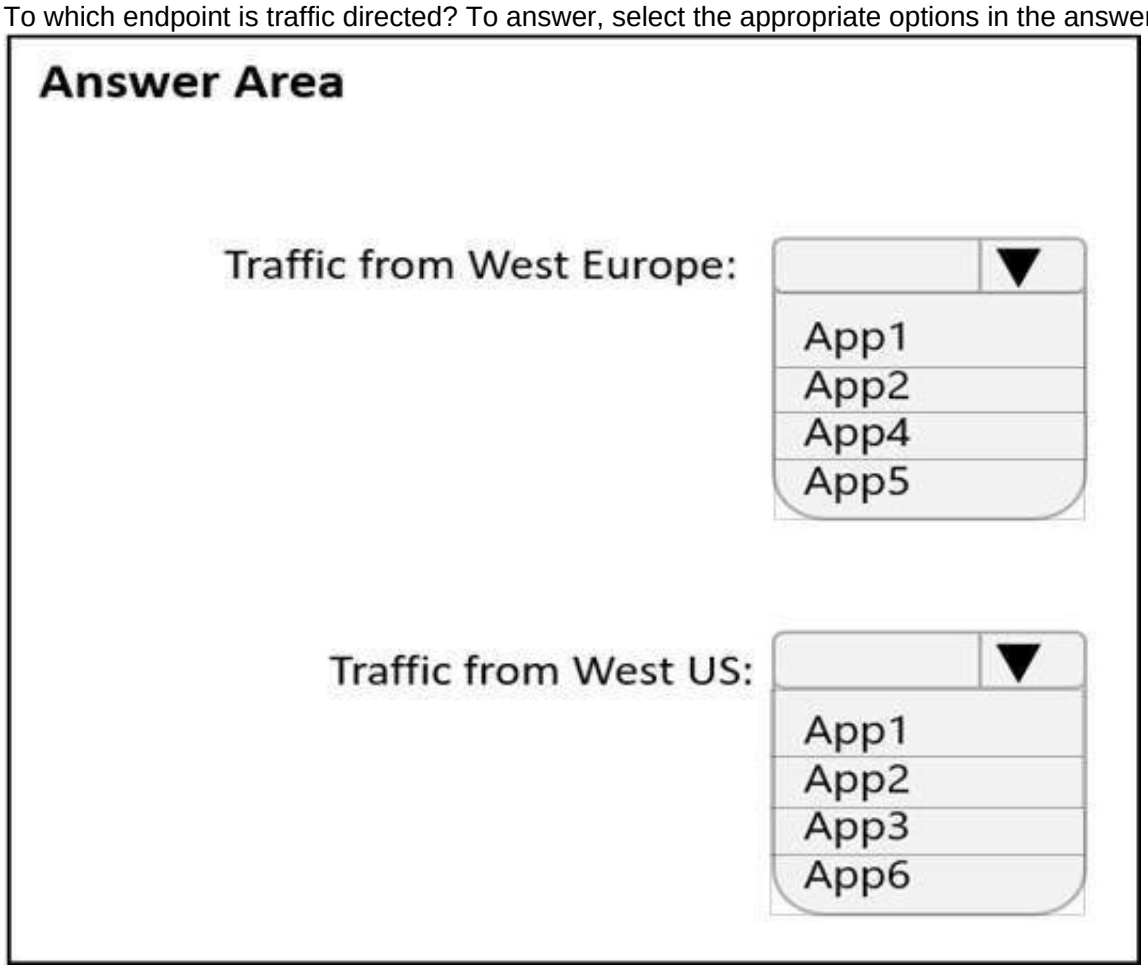
Name	Location	Weight
App4	West Europe	99
App5	West Europe	1

TM3 uses priority traffic-routing method and has the endpoints shown in the following table.

Name	Location
App6	West US
App2	East US

The App2, App4, and App6 endpoints have a degraded monitoring status.

To which endpoint is traffic directed? To answer, select the appropriate options in the answer area. NOTE: Each correct selection is worth one point



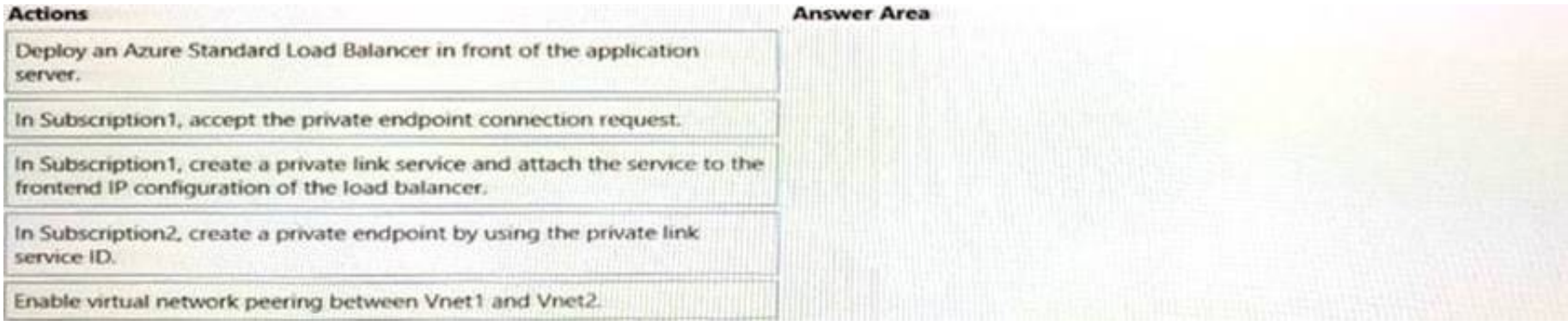
A. Mastered
B. Not Mastered

Answer: A

Explanation:
Diagram Description automatically generated
Reference:
https://docs.microsoft.com/en-us/azure/traffic-manager/traffic-manager-nested-profiles
Traffic from West Europe:
Basedd on TM1 table, West Europe will trigger TM2. However, as the MinChildEndpoint is set to 2, and App4 is degraded (down), the entire TM2 will not be considered available.
This goes back to the origin TM1 that uses performance traffic-routing method, which means the closest location is App1 and naturally be the next best performance instance.
Hence, Answer = App1
Traffic from West US:
Based on TM1 table, West US will trigger TM3. However, both App2 and App6 were degraded (down), so none of them can be considered.
This goes back to the original TM1 that uses performance traffic-routing method, from TM1, the other 2 US locations would be App2 and App3. But App2 we know it's already degraded (unavailable), hence the only option would be App3.
Answer = App3

NEW QUESTION 11
- (Exam Topic 3)
You have two Azure subscriptions named Subscnption1 and Subscription2. Subscription1 contains a virtual network named Vnet1. Vnet1 contains an application server. Subscription2 contains a virtual network named Vnet2.
You need to provide the virtual machines in Vnet2 with access to the application server in Vnet1 by using a private endpoint.

Which four 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.

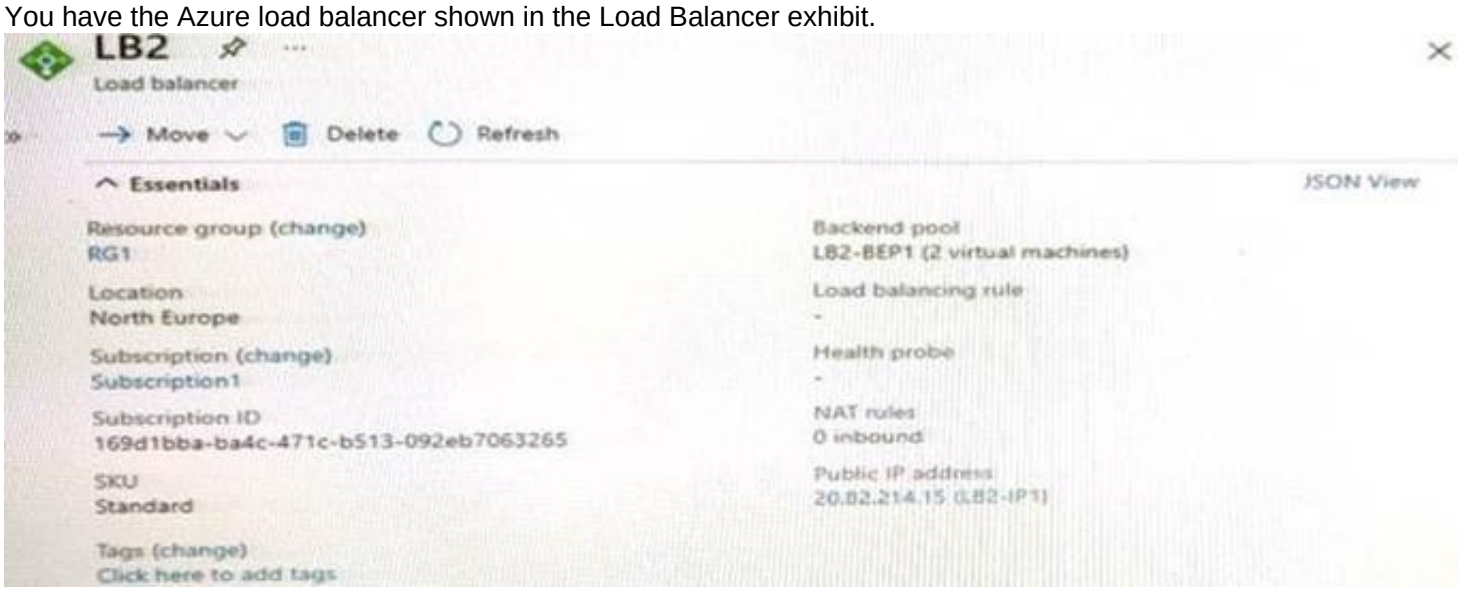


A. Mastered
B. Not Mastered

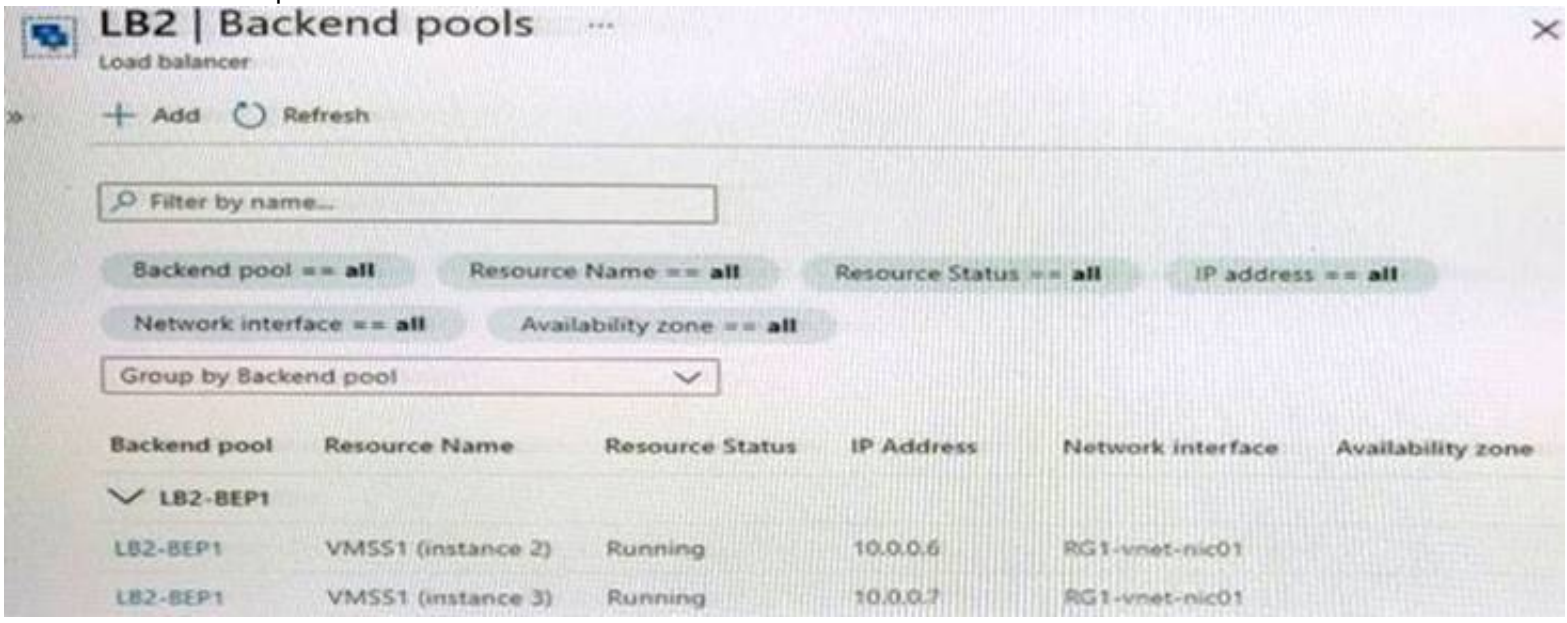
Answer: A

Explanation:

NEW QUESTION 16
- (Exam Topic 3)
You have the Azure load balancer shown in the Load Balancer exhibit.



LB2 has the backend pools shown in the Backend Pools exhibit.



You need to ensure that LB2 distributes traffic to all the members of VMSS1.
What should you do?

A. Add a network interface to VMSS1.
B. Configure a health probe.
C. Add a public IP address to each member of VMSS1.
D. Add a load balancing rule.

Answer: D

NEW QUESTION 17
- (Exam Topic 3)
You have an Azure subscription that contains the public IP addresses shown in the following table.

Name	IP version	SKU	IP address assignment
IP1	IPv4	Basic	Static
IP2	IPv4	Basic	Dynamic
IP3	IPv4	Standard	Static
IP4	IPv6	Basic	Dynamic
IP5	IPv6	Standard	Static

You plan to deploy a NAT gateway named NAT1.
Which public IP addresses can be used as the public IP address for NAT1?

A. IP3 and IP5 only
B. IP5 only
C. IP1, IP3, and IP5 only
D. IP3 only
E. IP2 and IP4 only

Answer: D

Explanation:
Only static IPv4 addresses in the Standard SKU are supported. IPv6 doesn't support NAT. Reference:
https://docs.microsoft.com/en-us/azure/virtual-network/nat-gateway/nat-overview

NEW QUESTION 19
- (Exam Topic 3)
You have an Azure subscription that is linked to an Azure Active Directory (Azure AD) tenant named contoso.onmicrosoft.com. The subscription contains the following resources:
* An Azure App Service app named App1
* An Azure DNS zone named contoso.com
* An Azure private DNS zone named private.contoso.com
* A virtual network named Vnet1
You create a private endpoint for App1. The record for the endpoint is registered automatically in Azure DNS. You need to provide a developer with the name that is registered in Azure DNS for the private endpoint.
What should you provide?

A. app1.privatelink.azurewebsites.net
B. app1.contoso.com
C. app1.contoso.onmicrosoft.com
D. app1.private.contoso.com

Answer: A

NEW QUESTION 21
- (Exam Topic 3)
You plan to publish a website that will use an FQDN of www.contoso.com. The website will be hosted by using the Azure App Service apps shown in the following table.

Name	FQDN	Location	Public IP address
AS1	As1.contoso.com	East US	131.107.100.1
AS2	As2.contoso.com	West US	131.107.200.1

You plan to use Azure Traffic Manager to manage the routing of traffic for www.contoso.com between AS1 and AS2.
You need to ensure that Traffic Manager routes traffic for www.contoso.com. Which DNS record should you create?

A. two A records that map wmv.contoso.com to 131 107 100 1 and 131 107 200 1
B. a CNAME record that maps www.contoso.com to TMprofile1.azurefd.net
C. a CNAME record that mapswww.contoso.comtoTMprofile1.trafficmanager.net
D. a TXT record that contains a string ofas1.contoso.com and as2.contoso.com in the details

Answer: C

Explanation:
Reference:
https://docs.microsoft.com/en-us/azure/traffic-manager/quickstart-create-traffic-manager-profile https://docs.microsoft.com/en-us/azure/app-service/configure-domain-traffic-manager

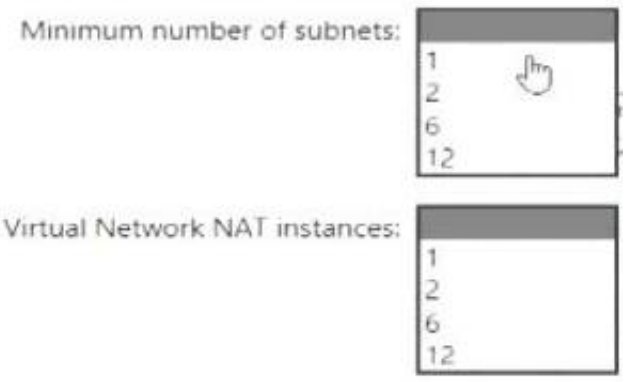
NEW QUESTION 25
- (Exam Topic 3)
You have an Azure Front Door instance that has a single frontend named Frontend1 and an Azure Web Application Firewall (WAF) policy named Policy1. Policy1 redirects requests that have a header containing "string1" to https://www.contoso.com/redirect1. Policy1 is associated to Frontend1.
You need to configure additional redirection settings. Requests to Frontend1 that have a header containing "string2" must be redirected to https://www.contoso.com/redirect2.
Which three actions should you perform? Each correct answer presents part of the solution. NOTE: Each correct selection is worth one point.

A. Create a custom rule.
B. Configure a managed rule.
C. Create a frontend host.
D. Create a policy.
E. Create an association.
F. Add a custom rule to Policy1.

Answer: ABE

NEW QUESTION 28
- (Exam Topic 3)
You have two Azure virtual networks named Vnet1 and Vnet2 in an Azure region that has three availability zones.
You deploy 12 virtual machines to each virtual network, deploying four virtual machines per zone. The virtual machines in Vnet1 host an app named App1. The virtual machines in Vnet2 host an app named App2.
You plan to use Azure Virtual Network NAT to implement outbound connectivity for App1 and App2. You need to identify the minimum number of subnets and Virtual Network NAT instances required to meet
the following requirements:
• A failure of two zones must NOT affect the availability of either App1 or App2.
• A failure of two zones must NOT affect the outbound connectivity of either Appl1or App2. What should you identify? To answer, select the appropriate options in the answer area. NOTE: Each correct selection is worth one point.

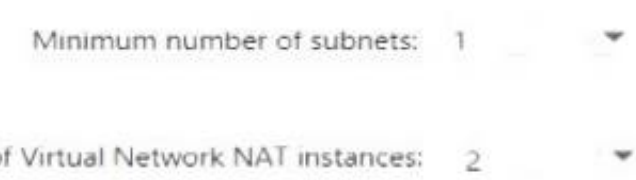
Answer Area



A. Mastered
B. Not Mastered

Answer: A

Explanation:
Answer Area



NEW QUESTION 32
- (Exam Topic 3)
Azure virtual networks in the East US Azure region as shown in the following table.

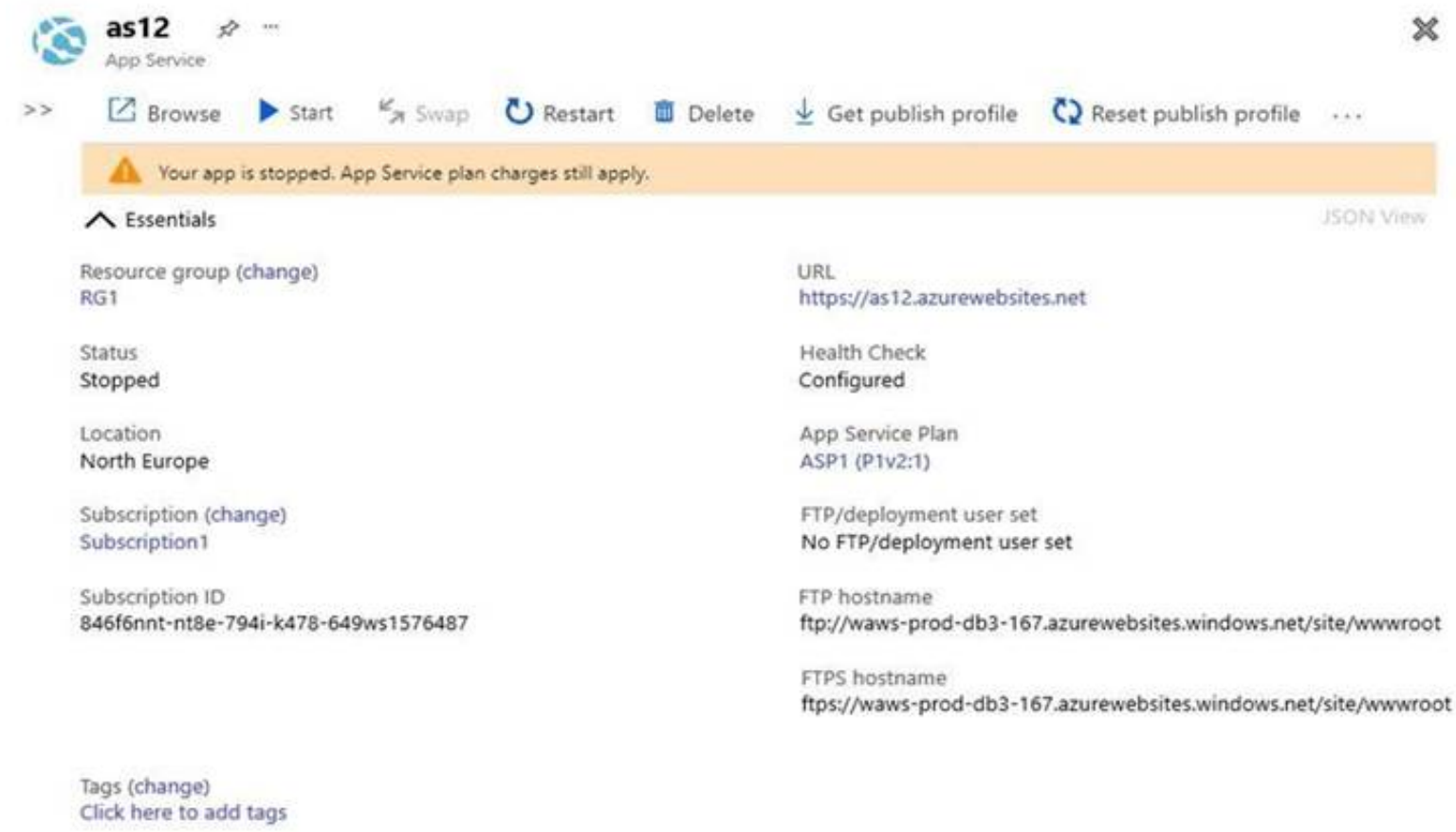
Name	IP address space
Vnet1	192.168.0.0/20
Vnet2	10.0.0.0/20

The virtual networks are peered to one another. Each virtual network contains four subnets.
You plan to deploy a virtual machine named VM1 that will inspect and route traffic between all the subnets on both the virtual networks.
What is the minimum number of IP addresses that you must assign to VM1?

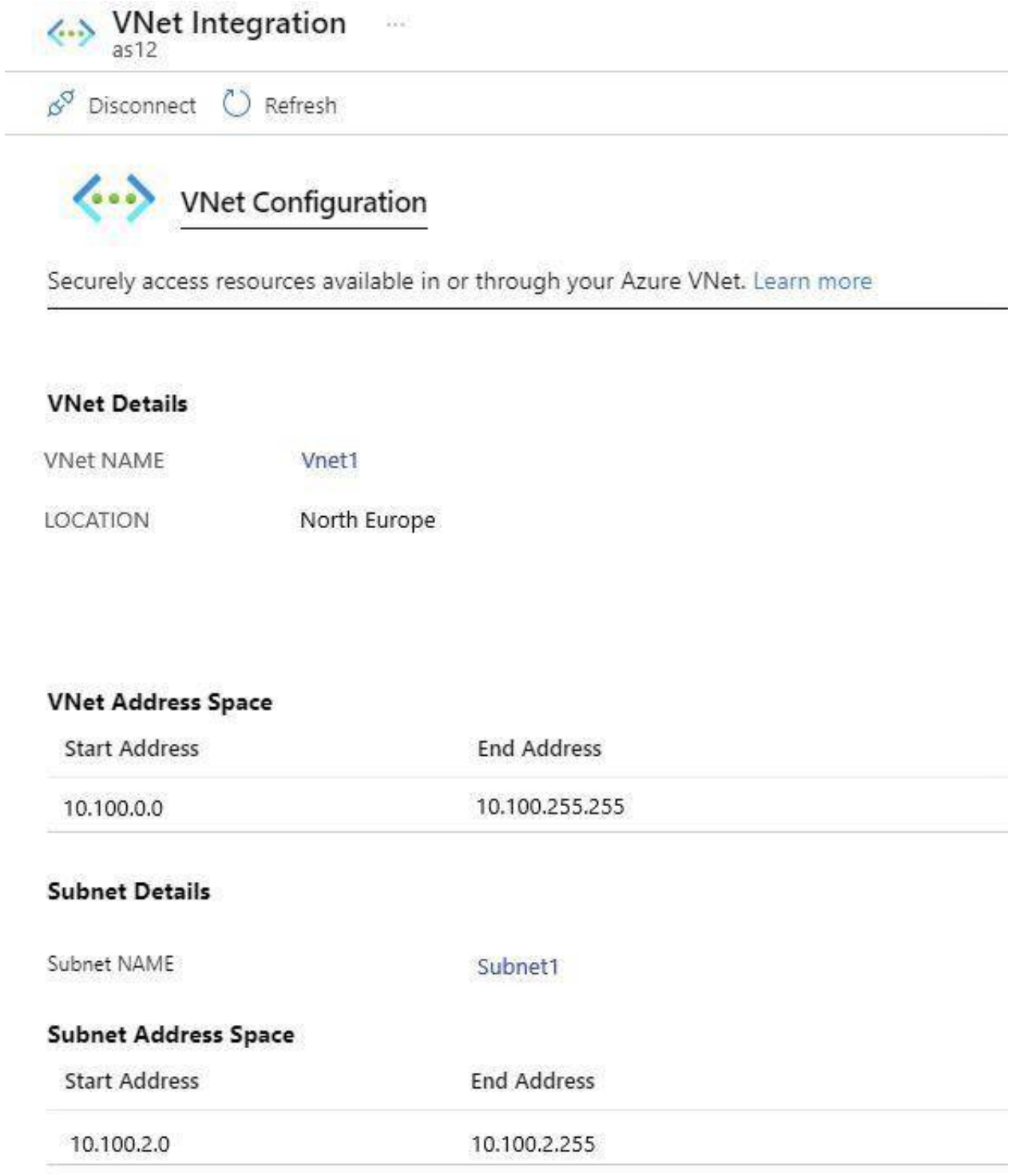
A. 1
B. 2
C. 4
D. 8

Answer: A

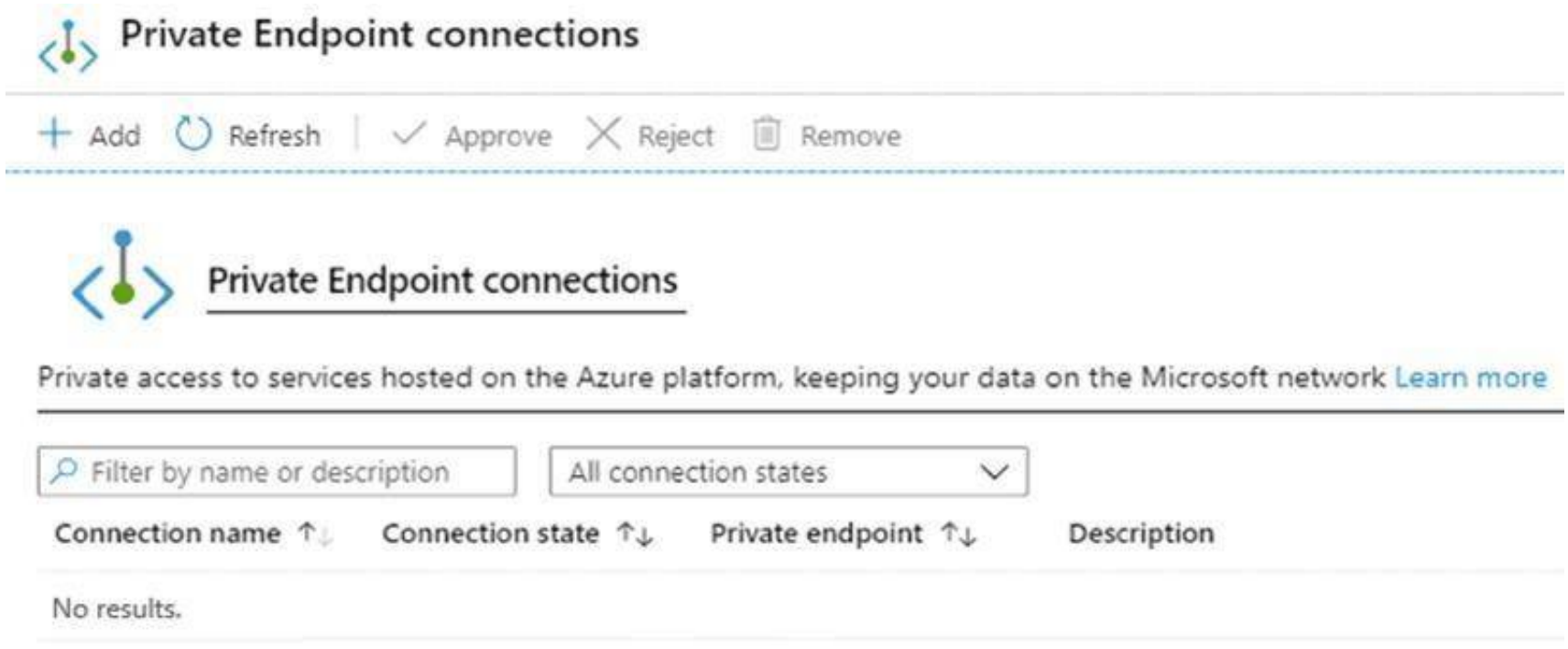
NEW QUESTION 33
- (Exam Topic 3)
You have the Azure App Service app shown in the App Service exhibit.



The VNet Integration settings for as12 are configured as shown in the Vnet Integration exhibit.



The Private Endpoint connections settings for as12 are configured as shown in the Private Endpoint connections exhibit.



For each of the following statements, select Yes if the statement is true. Otherwise, select No. NOTE: Each correct selection is worth one point.

Answer Area

Statements	Yes	No
Subnet2 can contain only App Service apps in the ASP1 App Service plan	○	○
As12 will use an IP address from Subnet2 for network communications	○	○
Computers in Vnet1 will connect to a private IP address when they connect to as12	○	○

A. Mastered
B. Not Mastered

Answer: A

Explanation:
Graphical user interface, text, application Description automatically generated
Reference:
https://docs.microsoft.com/en-us/azure/app-service/web-sites-integrate-with-vnet

NEW QUESTION 36
- (Exam Topic 3)
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.
You have an Azure subscription that contains the following resources:
* A virtual network named Vnet1
* A subnet named Subnet1 in Vnet1
* A virtual machine named VM1 that connects to Subnet1
* Three storage accounts named storage1, storage2, and storage3
You need to ensure that VM1 can access storage1. VM1 must be prevented from accessing any other storage accounts.
Solution: You configure the firewall on storage1 to only accept connections from Vnet1. Does this meet the goal?

A. Yes
B. No

Answer: B

NEW QUESTION 39
- (Exam Topic 3)
You have an Azure private DNS zone named contoso.com that is linked to the virtual networks shown in the following table.

Name	IP address
Vnet1	10.1.0.0/16
Vnet2	10.2.0.0/16

The links have auto registration enabled.
You create the virtual machines shown in the following table.

Name	IP address
VM1	10.1.10.10
VM2	10.2.10.10
VM3	10.2.10.11

You manually add the following entry to the contoso.com zone:

- Name: VM1
- IP address: 10.1.10.9

For each of the following statements, select Yes of the statement is true. Otherwise, select No. NOTE: Each correct selection is worth one point.

Answer Area

Statements	Yes	No
VM2 will resolve vm1.contoso.com to 10.1.10.10	◯	◯
Deleting VM1 will delete the VM1 record automatically	◯	◯
Changing the IP address of VM3 will update the DNS record of VM3 automatically	◯	◯

A. Mastered
B. Not Mastered

Answer: A

Explanation:
Graphical user interface, text, application Description automatically generated
Box 1: No
The manual DNS record will overwrite the auto-registered DNS record so VM1 will resolve to 10.1.10.9. Box 2: No
The DNS record for VM1 is now a manually created record rather than an auto-registered record. Only auto-registered DNS records are deleted when a VM is deleted.
Box 3: No
This answer depends on how the IP address is changed. To change the IP address of a VM manually, you would need to select 'Static' as the IP address assignment. In this case, the DNS record will not be updated because only DHCP assigned IP addresses are auto-registered.
Reference:
https://docs.microsoft.com/en-us/azure/dns/dns-faq-private

NEW QUESTION 44
- (Exam Topic 3)
You have an Azure subscription that contains the following resources:

- A virtual network named Vnet1
- Two subnets named subnet1 and AzureFirewallSubnet
- A public Azure Firewall named FW1
- A route table named RT1 that is associated to Subnet1
- A rule routing of 0.0.0.0/0 to FW1 in RT1

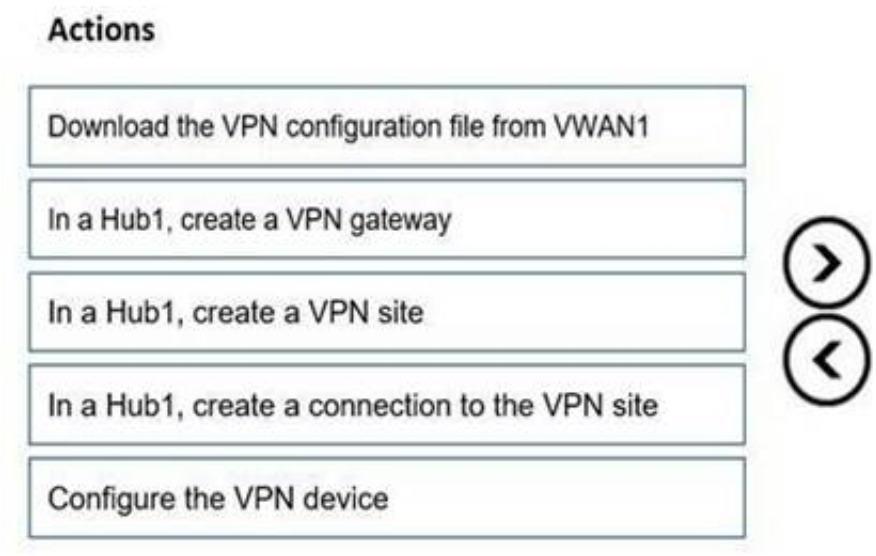
After deploying 10 servers that run Windows Server to Subnet1, you discover that none of the virtual machines were activated.
You need to ensure that the virtual machines can be activated. What should you do?

A. On FW1, create an outbound service tag rule for AzureCloud.
B. On FW1, create an outbound network rule that allows traffic to the Azure Key Management Service (KMS).
C. Deploy a NAT gateway.
D. To Subnetl, associate a network security group (NSG) that allows outbound access to port 1688.

Answer: B

Explanation:
Reference:
https://ryanmangansitblog.com/2020/05/11/firewall-considerations-windows-virtual-desktop-wvd/

NEW QUESTION 46
- (Exam Topic 3)
You have three on-premises sites. Each site has a third-party VPN device.
You have an Azure virtual WAN named VWAN1 that has a hub named Hub1. Hub1 connects two of the three on-premises sites by using a Site-to-Site VPN connection.
You need to connect the third site to the other two sites by using Hub1.
Which four 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.



A. Mastered
B. Not Mastered

Answer: A

Explanation:
Table Description automatically generated
Reference:
https://docs.microsoft.com/en-us/azure/virtual-wan/virtual-wan-site-to-site-portal

NEW QUESTION 49
- (Exam Topic 3)
You have an Azure virtual network that contains two subnets named Subnet1 and Subnet2. Subnet1 contains a virtual machine named VM1. Subnet2 contains a virtual machine named VM2.
You have two network security groups (NSGs) named NSG1 and NSG2. NSG1 has 100 inbound security rules and is associated to VM1. NSG2 has 200 inbound security rules and is associated to Subnet1.
VM2 cannot connect to VM1.
You suspect that an NSG rule blocks connectivity.
You need to identify which rule blocks the connection. The issue must be resolved as quickly as possible. Which Azure Network Watcher feature should you use?

A. Effective security rules
B. Connection troubleshoot
C. NSG diagnostic
D. NSG flow logs

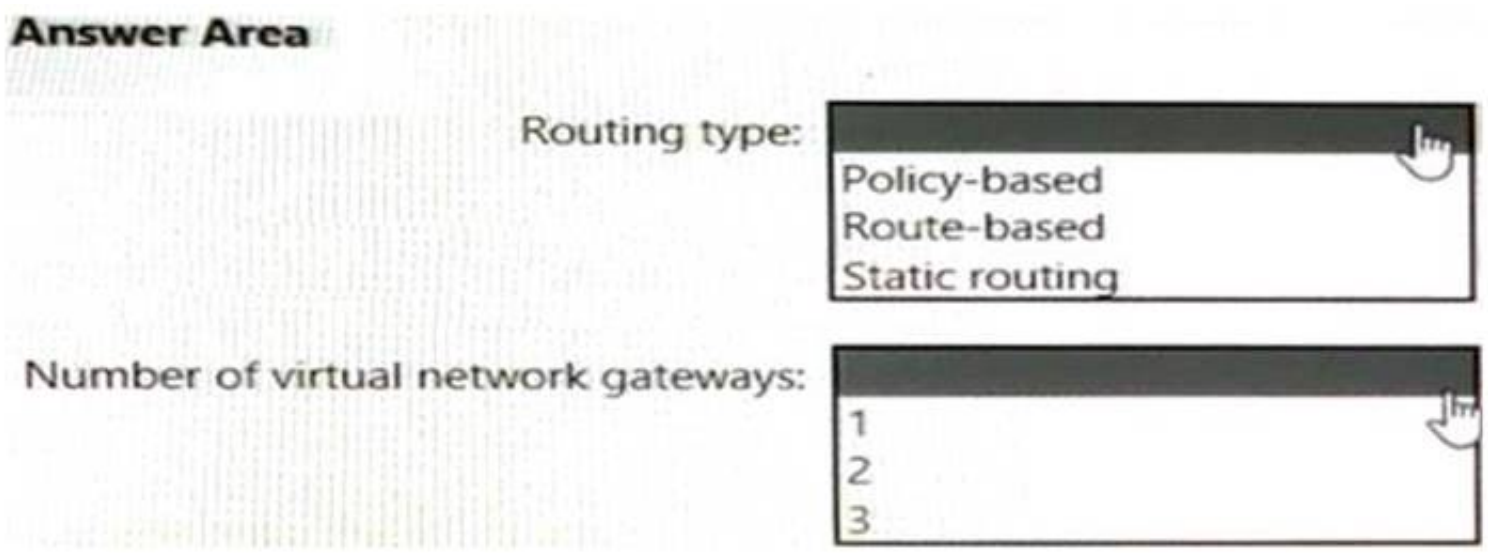
Answer: C

NEW QUESTION 50
- (Exam Topic 3)
You have an application named App1 that listens for incoming requests on a preconfigured group of 50 TCP ports and UDP ports.
You install App1 on 10 Azure virtual machines.
You need to implement load balancing for App1 across all the virtual machines. The solution must minimize the number of load balancing rules.
What should you include in the solution?

A. Azure Standard Load Balancer that has Floating IP enabled
B. Azure Application Gateway V2 that has multiple listeners
C. Azure Application Gateway v2 that has multiple site hosting enabled
D. Azure Standard Load Balancer that has high availability (HA) ports enabled

Answer: A

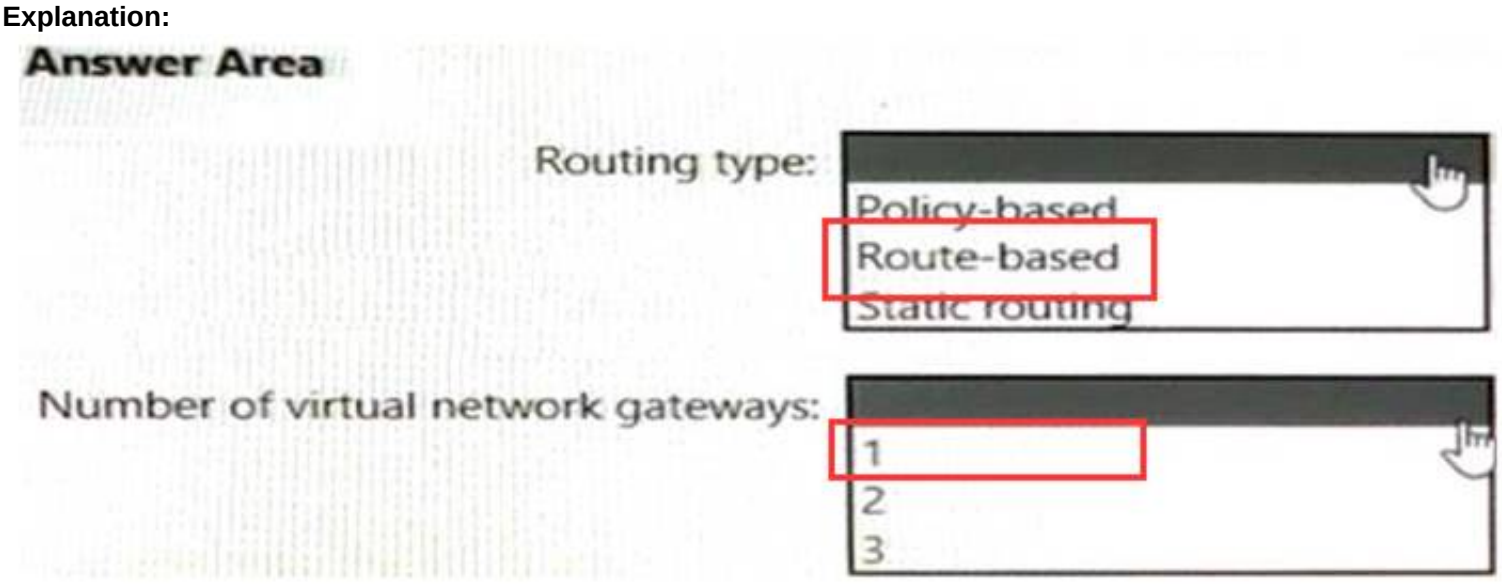
NEW QUESTION 51
- (Exam Topic 3)
You need to connect an on-premises network and art Azure environment. The solution must use ExpressRoute and support failing over to a Site-to Site VPN connection if there is an ExpressRoute failure.
What should you configure? To answer, select the appropriate options in the answer area. NOTE: Each correct selection is worth one point.



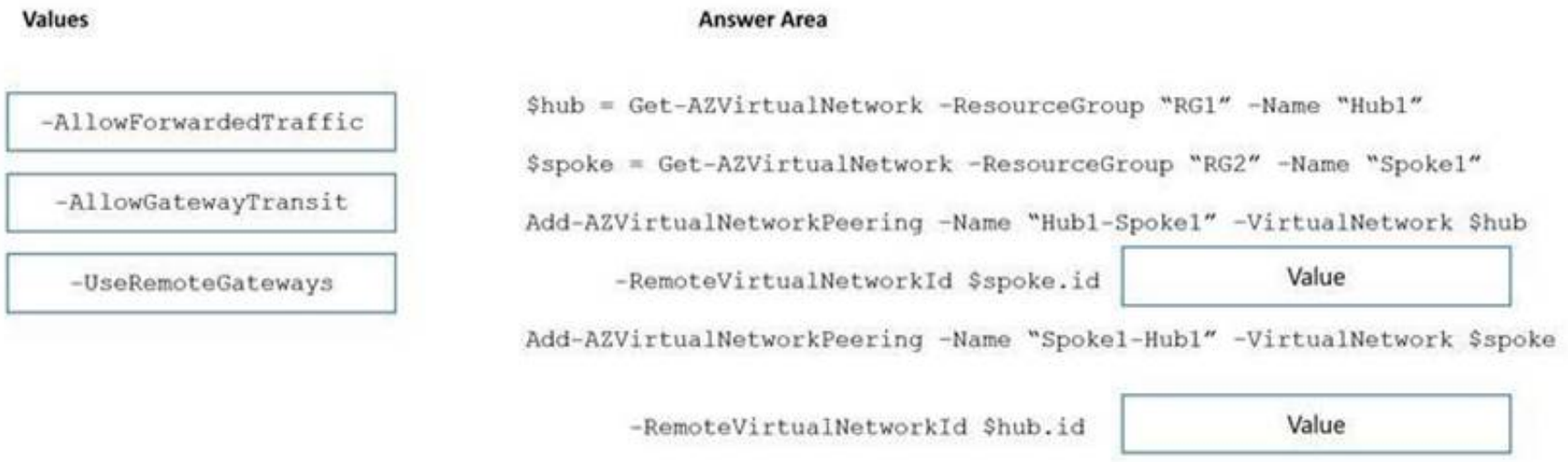
A. Mastered
B. Not Mastered

Answer: A

Explanation:



NEW QUESTION 53
- (Exam Topic 3)
You have two Azure virtual networks named Hub1 and Spoke1. Hub1 connects to an on-premises network by using a Site-to-Site VPN connection.
You are implementing peering between Hub1 and Spoke1.
You need to ensure that a virtual machine connected to Spoke1 can connect to the on-premises network through Hub1.
How should you complete the PowerShell script? To answer, drag the appropriate values to the correct targets. Each value 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.



A. Mastered
B. Not Mastered

Answer: A

Explanation:
Graphical user interface, text, application Description automatically generated
Reference:
https://docs.microsoft.com/en-us/azure/architecture/reference-architectures/hybrid-networking/hub-spoke?tabs=

NEW QUESTION 58
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