Number: AZ-700
Passing Score: 800
Time Limit: 120
File Version: 4.0

Exam Code: AZ-700
Exam Name: Designing and Implementing Microsoft Azure Networking Solutions

Case

Case Study

This is a case study. Case studies are not timed separately. You can use as much exam time as you would like to complete each case. However, there may be additional case studies and sections on this exam. You must manage your time to ensure that you are able to complete all questions included on this exam in the time provided.

To answer the questions included in a case study, you will need to reference information that is provided in the case study. Case studies might contain exhibits and other resources that provide more information about the scenario that is described in the case study. Each question is independent of the other questions in this case study. At the end of this case study, a review screen will appear. This screen allows you to review your answers and to make changes before you move to the next section of the exam. After you begin a new section, you cannot return to this section.

To start the case study

To display the first question in this case study, click the Next button. Use the buttons in the left pane to explore the content of the case study before you answer the questions. Clicking these buttons displays information such as business requirements, existing environment, and problem statements. When you are ready to answer a question, click the Question button to return to the question. Overview

Litware, Inc. is a financial company that has a main datacenter in Boston and 20 branch offices across the United States. Users have Android, iOS, and Windows 10 devices.

Existing Environment

Hybrid Environment

The on-premises network contains an Active Directory forest named litwareinc.com that syncs to an Azure Active Directory (Azure AD) tenant named litwareinc.com by using Azure AD Connect. All offices connect to a virtual network named Vnet1 by using a Site-to-Site VPN connection.

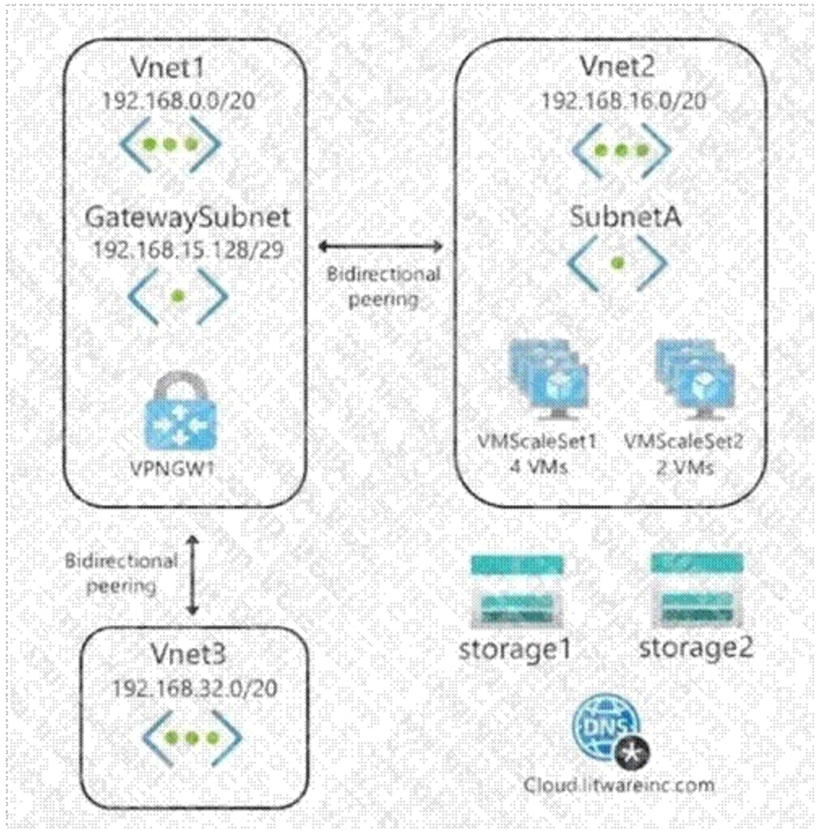
Azure Environment

Litware has an Azure subscription named Sub1 that is linked to the litwareinc.com Azure AD tenant. Sub1 contains resources in the East US Azure region as shown in the following table.

Name	Type	Description
Vnet1	Virtual network	Uses an IP address space of 192.168.0.0/20
GatewaySubnet	Virtual network subnet	Located in Vnet1 and uses an IP address space of 192.168.15.128/29
VPNGW1	VPN gateway	Deployed to Vnet1
Vnet2	Virtual network	Uses an IP address space of 192.168.16.0/20
SubnetA	Virtual network subnet	Located in Vnet2 and uses an IP address space of 192.168.16.0/24
Vnet3	Virtual network	Uses an IP address space of 192.168.32.0/20
cloud.litwareinc.com	Private DNS zone	**None**
VMScaleSet1	Virtual machine scale set	Contains four virtual machines deployed to SubnetA
VMScaleSet2	Virtual machine scale set	Contains two virtual machines deployed to SubnetA
storage1	Storage account	Has the public endpoint blocked
storage2	Storage account	Has the public endpoint blocked

A diagram of the resource in the East US Azure region is shown in the Network Diagram exhibit.

There is bidirectional peering between Vnet1 and Vnet2. There is bidirectional peering between Vnet1 and Vnet3. Currently, Vnet2 and Vnet3 cannot communicate directly. Azure Environment Diagram



Requirements
Business Requirements
Litware wants to minimize costs whenever possible, as long as all other requirements are met.
Virtual Networking Requirements
Litware identifies the following virtual networking requirements:
Direct the default route of 0.0.0.0/0 on Vnet2 and Vnet3 to the Boston datacenter over an ExpressRoute circuit. Ensure that the records in the cloud.litwareinc.com can be resolved from the on-premises locations.
Automatically register the DNS names of Azure virtual machines to the cloud.litwareinc.com zone.
Minimize the size of the subnets allocated to platform-managed services.
Allow traffic from VMScaleSet1 to VMScaleSet2 on the TCP port 443 only.
Hybrid Networking Requirements
Litware identifies the following hybrid networking requirements:
Users must be able to connect to Vnet1 by using a Point-to-Site (P2S) VPN when working remotely. Connections must be authenticated by Azure AD. Latency of the traffic between the Boston datacenter and all the virtual networks must be minimized.
The Boston datacenter must connect to the Azure virtual networks by using an ExpressRoute FastPath connection. Traffic between Vnet2 and Vnet3 must be routed through Vnet1.
PaaS Networking Requirements
Litware identifies the following networking requirements for platform as a service (PaaS):
The storage1 account must be accessible from all on-premises locations without exposing the public endpoint of storage1. The storage2 account must be accessible from Vnet2 and Vnet3 without exposing the public endpoint of storage2.

QUESTION 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. NOTE: Each correct selection is worth one point.

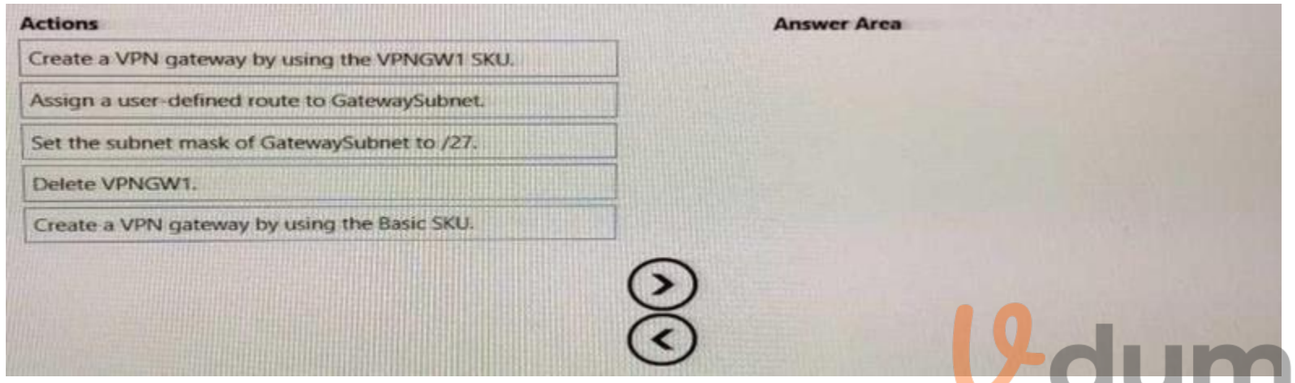
A. On the peerings from Vnet2 and Vnet3, select Use remote gateways.
B. On the peering from Vnet1, select Allow forwarded traffic.

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.

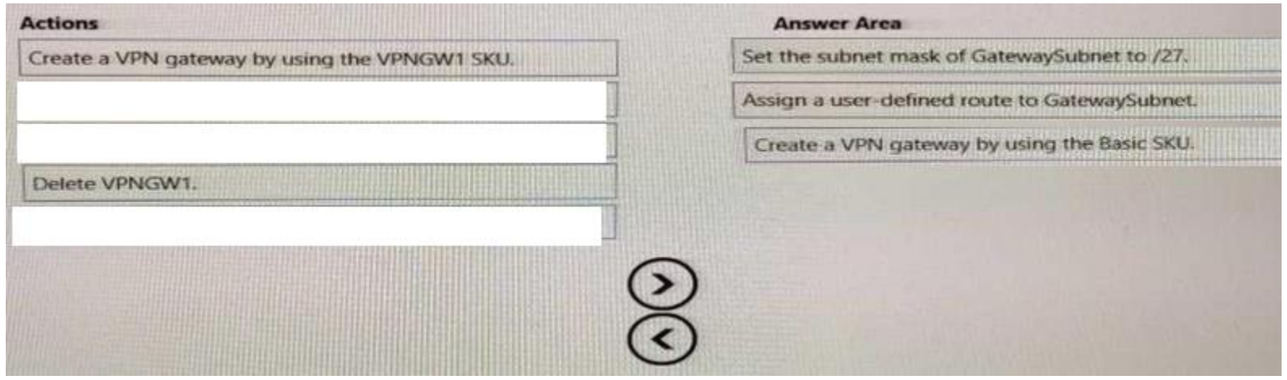
Correct Answer: B, D
Section:

QUESTION 2
DRAG DROP
You need to prepare Vnet1 for the deployment of an ExpressRoute gateway. The solution must meet the hybrid connectivity requirements and the business requirements. Which three actions should you perform in sequence for Vnet1? 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:



Correct Answer:



Section:
Explanation:

QUESTION 3
You need to configure the default route on Vnet2 and Vnet3. The solution must meet the virtual networking requirements. What should you use to configure the default route?

A. route filters
B. BGP route exchange
C. a user-defined route assigned to GatewaySubnet in Vnet1
D. a user-defined route assigned to GatewaySubnet in Vnet2 and Vnet3

Correct Answer: B
Section:
Explanation:
Reference:
https://docs.microsoft.com/en-us/azure/virtual-network/virtual-networks-udr-overview

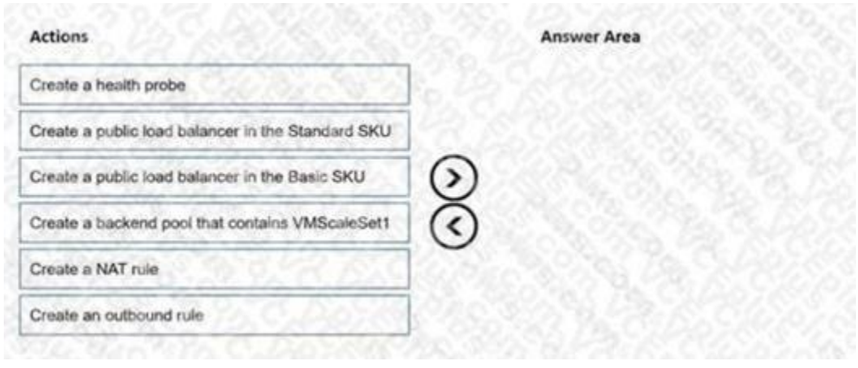
QUESTION 4
You need to configure the default route in Vnet2 and Vnet3. The solution must meet the virtual networking requirements. What should you use to configure the default route?

A. a user-defined route assigned to GatewaySubnet in Vnet2 and Vnet3
B. a user-defined route assigned to GatewaySubnet in Vnet1
C. BGP route exchange
D. route filters

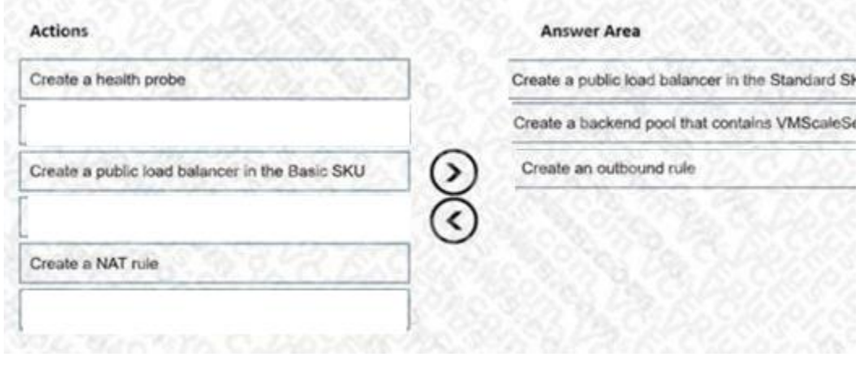
Correct Answer: C
Section:
Explanation:

QUESTION 5
DRAG DROP
You need to implement outbound connectivity for VMScaleSet1. The solution must meet the virtual networking requirements and the business requirements. 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:



Correct Answer:



Section:
Explanation:
Reference: https://docs.microsoft.com/en-us/azure/load-balancer/skus https://docs.microsoft.com/en-us/azure/loadbalancer/load-balancer-outbound-connections#outboundrules

QUESTION 6

You need to provide connectivity to storage1. The solution must meet the PaaS networking requirements and the business requirements.

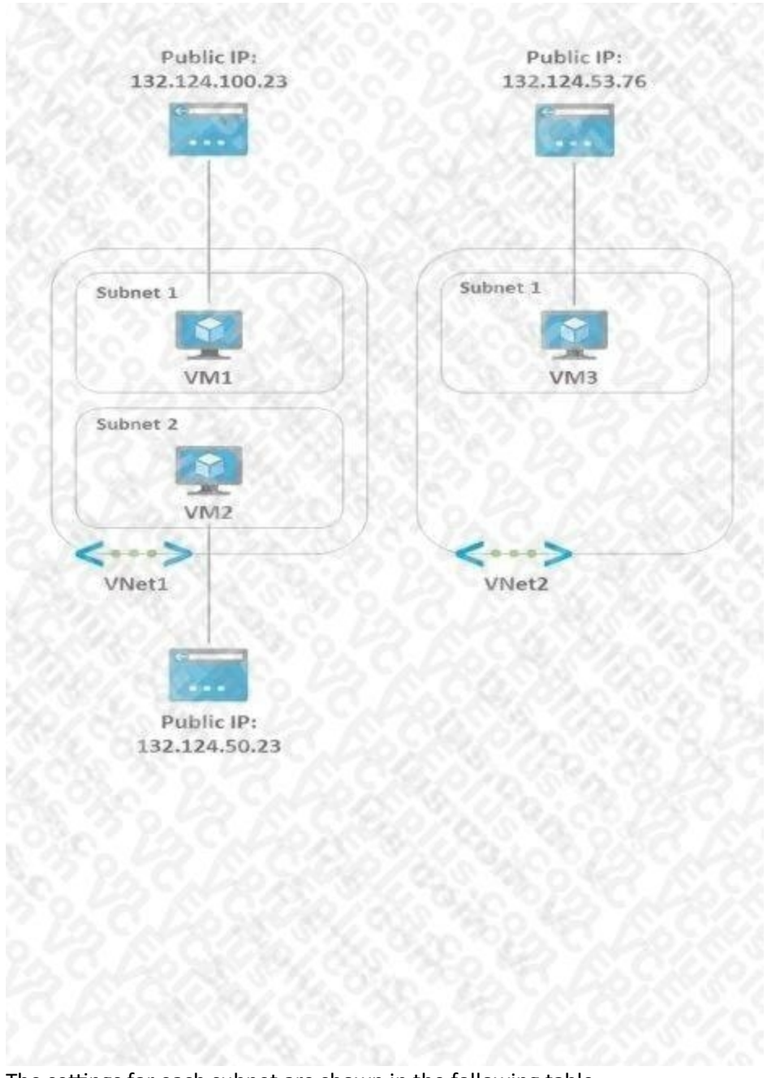
What should you include in the solution?

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

Correct Answer: A
Section:
Explanation:

Exam A

QUESTION 1
HOTSPOT
You have the Azure environment shown in the Azure Environment exhibit.



The settings for each subnet are shown in the following table.

Subnet	Service endpoint
Vnet1/Subnet1	Storage
Vnet1/Subnet2	Storage
Vnet2/Subnet1	None

The Firewalls and virtual networks settings for storage1 are configured as shown in the Storage1 exhibit.

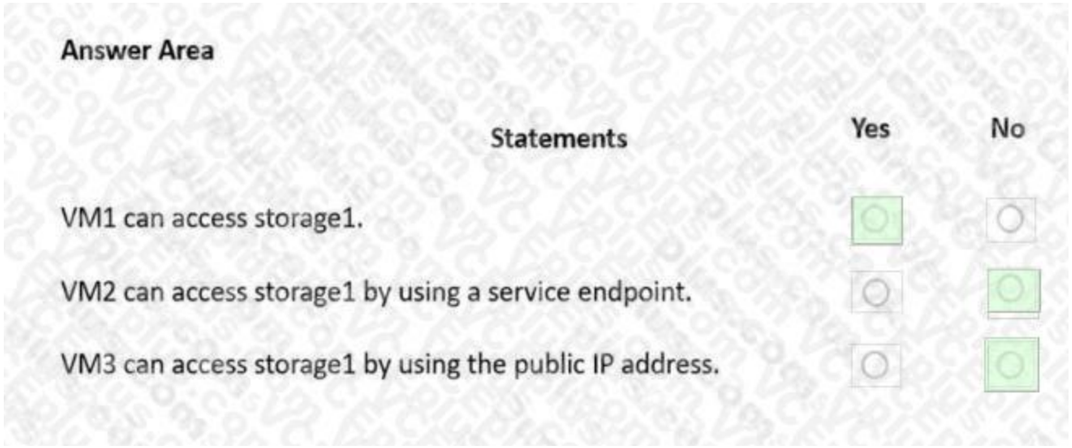
For each of the following statements, select Yes if the statement is true. Otherwise, select No.
NOTE: Each correct selection is worth one point.

Hot Area:

Answer Area

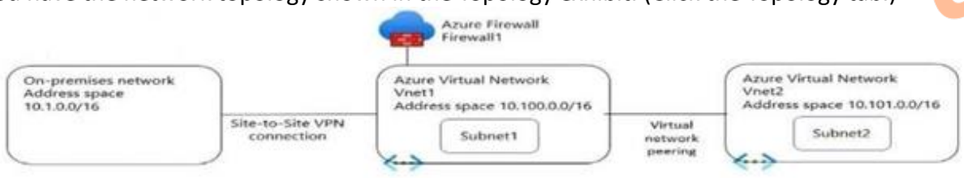
Statements	Yes	No
VM1 can access storage1.	○	○
VM2 can access storage1 by using a service endpoint.	○	○
VM3 can access storage1 by using the public IP address.	○	○

Answer Area:

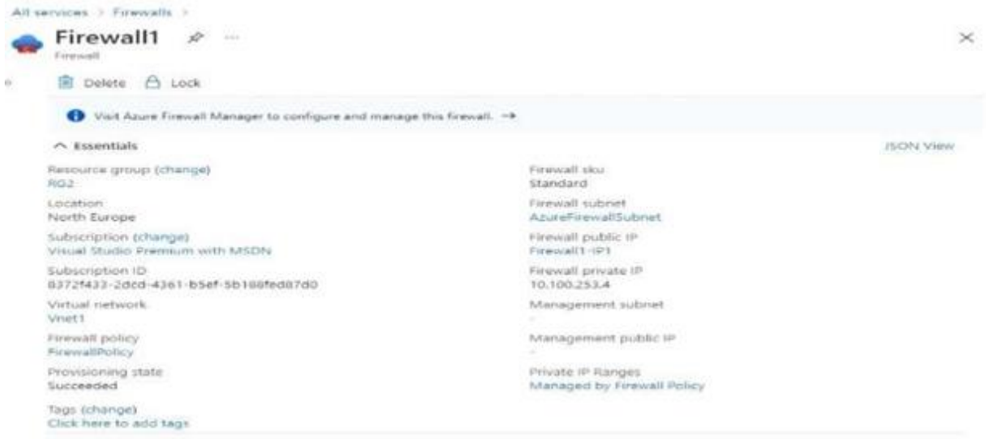


Section:
Explanation:
Box 1: Yes
The firewall allows VNet1\Subnet1 through the service endpoint.
Box 2: No
The firewall does not allow VNet1\Subnet2 through the service endpoint.
Box 3: No
The firewall allows 132.124.53.0/26 which means it allows all IP addresses between 132.124.53.0 and 132.124.53.63. The public IP of VM3 is 132.124.53.76 which is outside the allowed range.

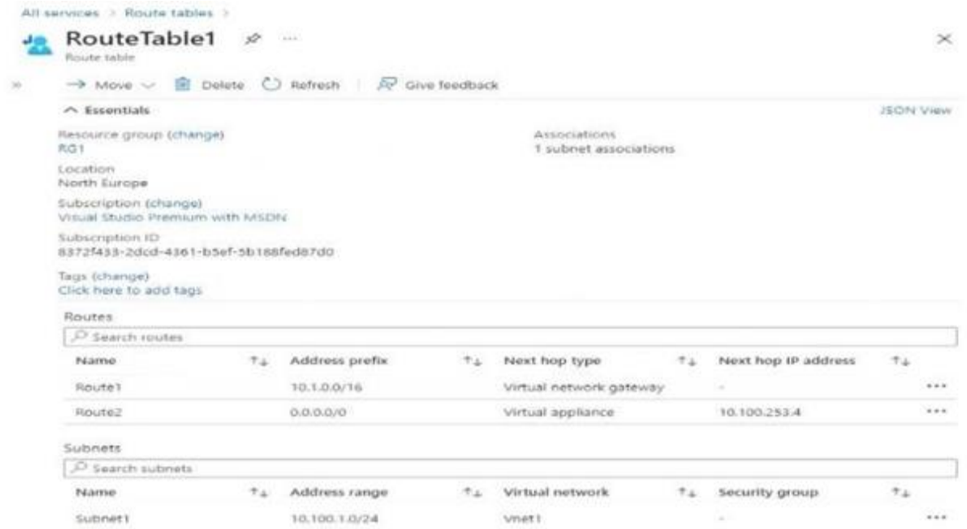
QUESTION 2
HOTSPOT
You have the network topology shown in the Topology exhibit. (Click the Topology tab.)



You have the Azure firewall shown in the Firewall 1 exhibit. (Click the Firewall tab.)



You have the route table shown in the RouteTable1 exhibit. (Click the RouteTable1 tab.)



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 resources in Subnet1 can connect to the internet through Firewall1.	○	○
The resources in Subnet1 can connect to the resources in Vnet2.	○	○
The resources in Subnet2 can connect to the internet through Firewall1.	○	○

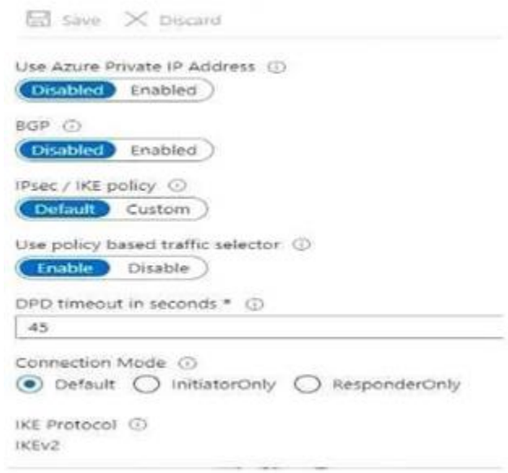
Answer Area:

Answer Area

Statements	Yes	No
The resources in Subnet1 can connect to the internet through Firewall1.	○	○
The resources in Subnet1 can connect to the resources in Vnet2.	○	○
The resources in Subnet2 can connect to the internet through Firewall1.	○	○

Section:
Explanation:

QUESTION 3
You have an Azure virtual network named Vnet1 and an on-premises network.
The on-premises network has policy-based VPN devices. In Vnet1, you deploy a virtual network gateway named GW1 that uses a SKU of VpnGw1 and is route-based.
You have a Site-to-Site VPN connection for GW1 as shown in the following exhibit.



You need to ensure that the on-premises network can connect to the route-based GW1. What should you do before you create the connection?

A. Set Use Azure Private IP Address to Enabled
B. Set IPsec / IKE policy to Custom.
C. Set Connection Mode to ResponderOnly
D. Set BGP to Enabled

Correct Answer: A
Section:

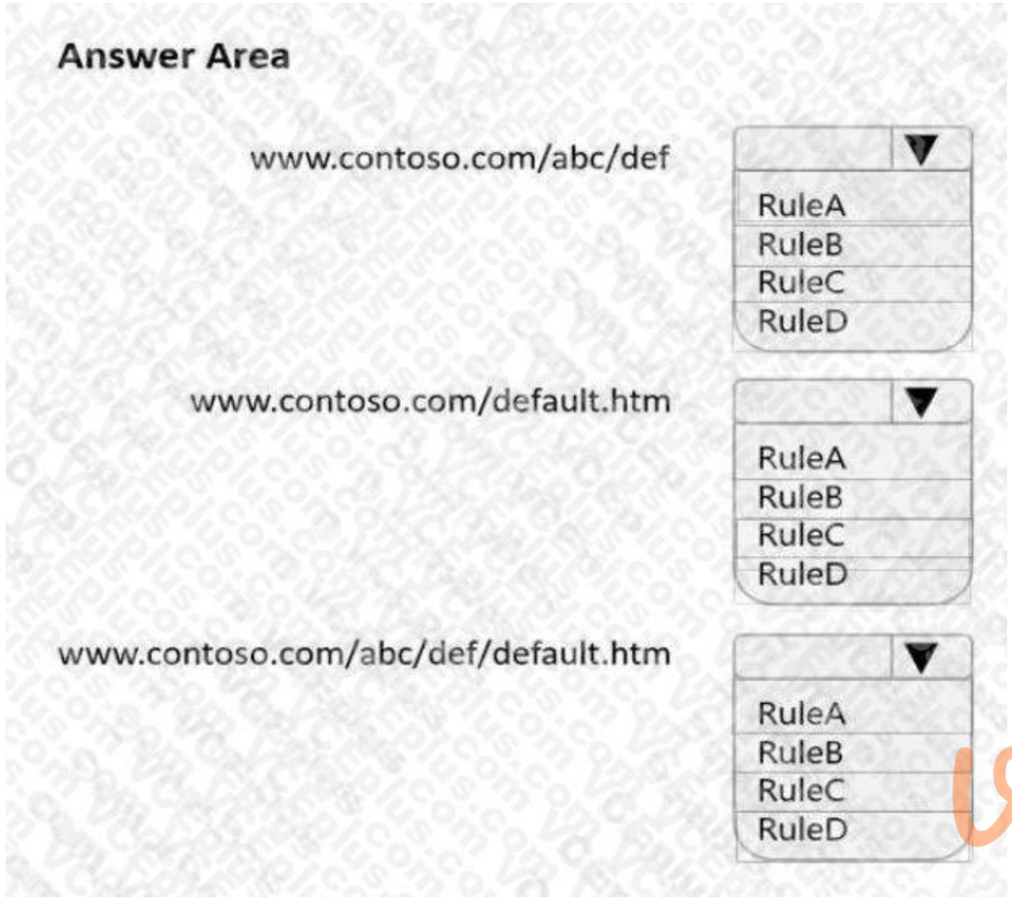
QUESTION 4
HOTSPOT
You have an Azure Front Door instance that provides access to a web app. The web app uses a hostname of www.contoso.com. You have the routing rules shown in the following table.

Name	Path
RuleA	/abc/def
RuleB	/ab
RuleC	/*
RuleD	/abc/*

Which rule will apply to each incoming request? To answer, select the appropriate options in the answer area. NOTE: Each correct selection is worth one point

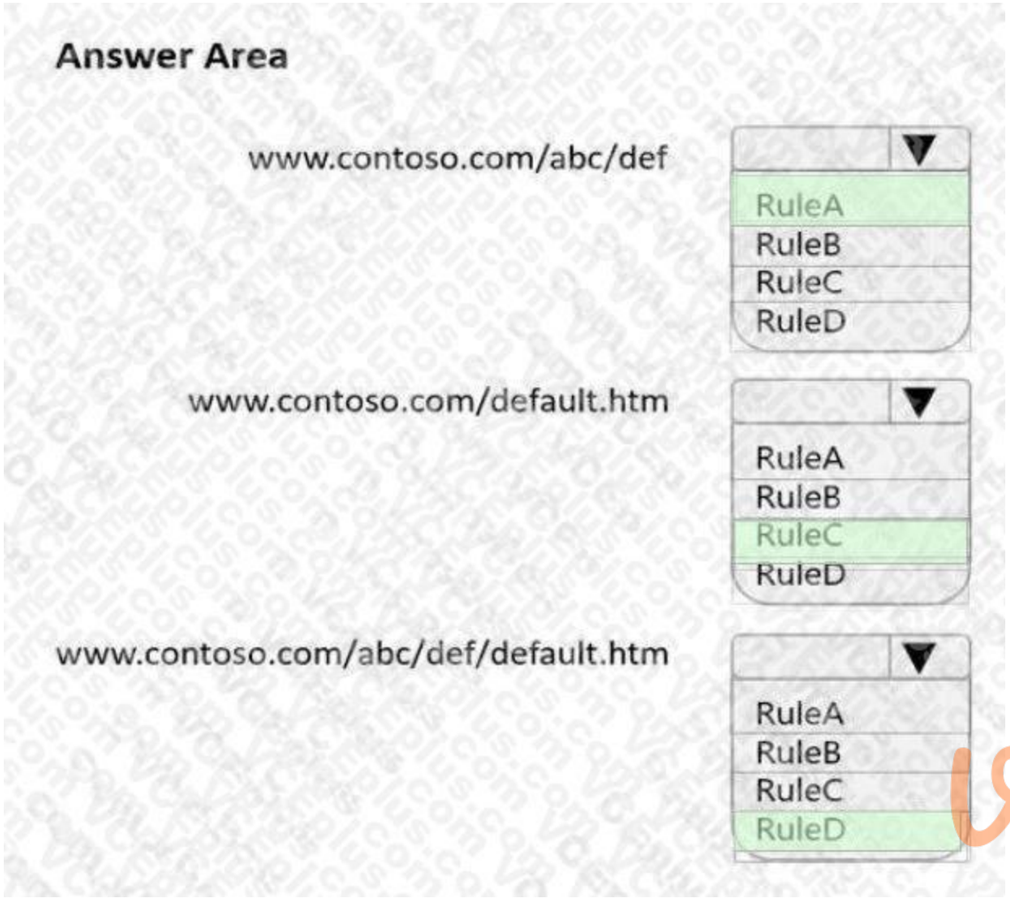
Hot Area:

Answer Area



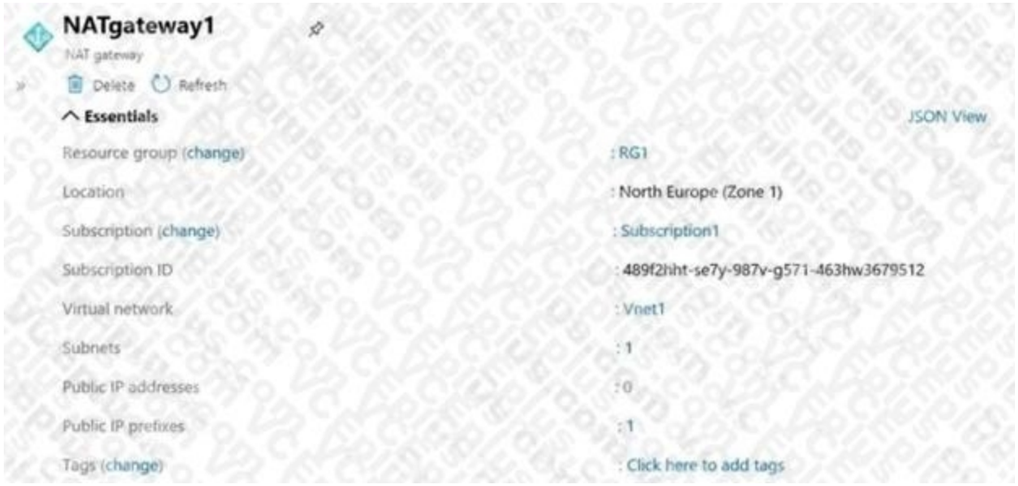
Answer Area:

Answer Area



Section:
Explanation:

QUESTION 5
HOTSPOT
You have an Azure virtual network named Vnet1 that contains two subnets named Subnet1 and Subnet2.
You have the NAT gateway shown in the NATgateway1 exhibit.

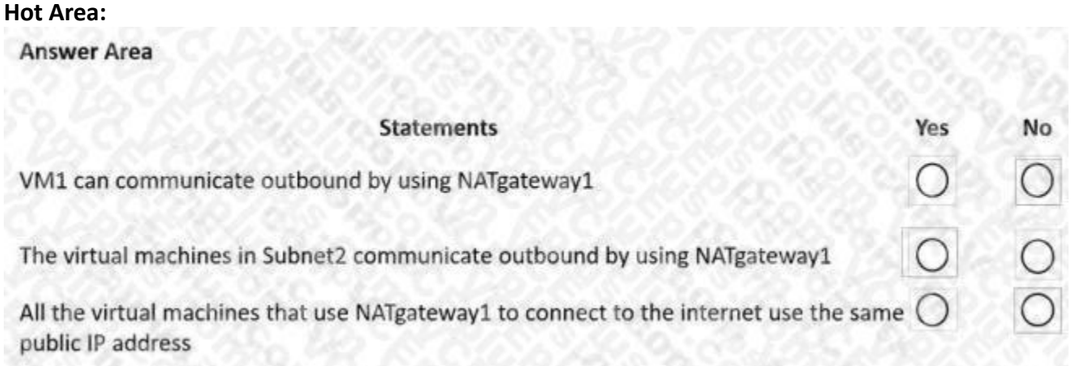


You have the virtual machine shown in the VM1 exhibit.

Subnet1 is configured as shown in the Subnet1 exhibit.

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

Hot Area:



Answer Area:

Answer Area

Statements	Yes	No
VM1 can communicate outbound by using NATgateway1	○	○
The virtual machines in Subnet2 communicate outbound by using NATgateway1	○	○
All the virtual machines that use NATgateway1 to connect to the internet use the same public IP address	○	○

Section:
Explanation:
Box 1: No
VM1 is in Zone2 whereas the NAT Gateway is in Zone1. The VM would need to be in the same zone as the NAT Gateway to be able to use it. Therefore, VM1 cannot use the NAT gateway.
Box 2: Yes
NATgateway1 is configured in the settings for Subnet2.
Box 3: No
The NAT gateway does not have a single public IP address, it has an IP prefix which means more than one IP address. The VMs the use the NAT Gateway can use different public IP addresses contained within the IP prefix.
Reference:
https://docs.microsoft.com/en-us/azure/virtual-network/nat-gateway/nat-gateway-resource

QUESTION 6
HOTSPOT
Your company has 10 instances of a web service. Each instance is hosted in a different Azure region and is accessible through a public endpoint. The development department at the company is creating an application named App1. Every 10 minutes, App1 will use a list of endpoints and connect to the first available endpoint. You plan to use Azure Traffic Manager to maintain the list of endpoints.
You need to configure a Traffic Manager profile that will minimize the impact of DNS caching. What should you configure? To answer, select the appropriate options in the answer area.
NOTE: Each correct selection is worth one point.

Hot Area:

Answer Area

Traffic Manager algorithm:

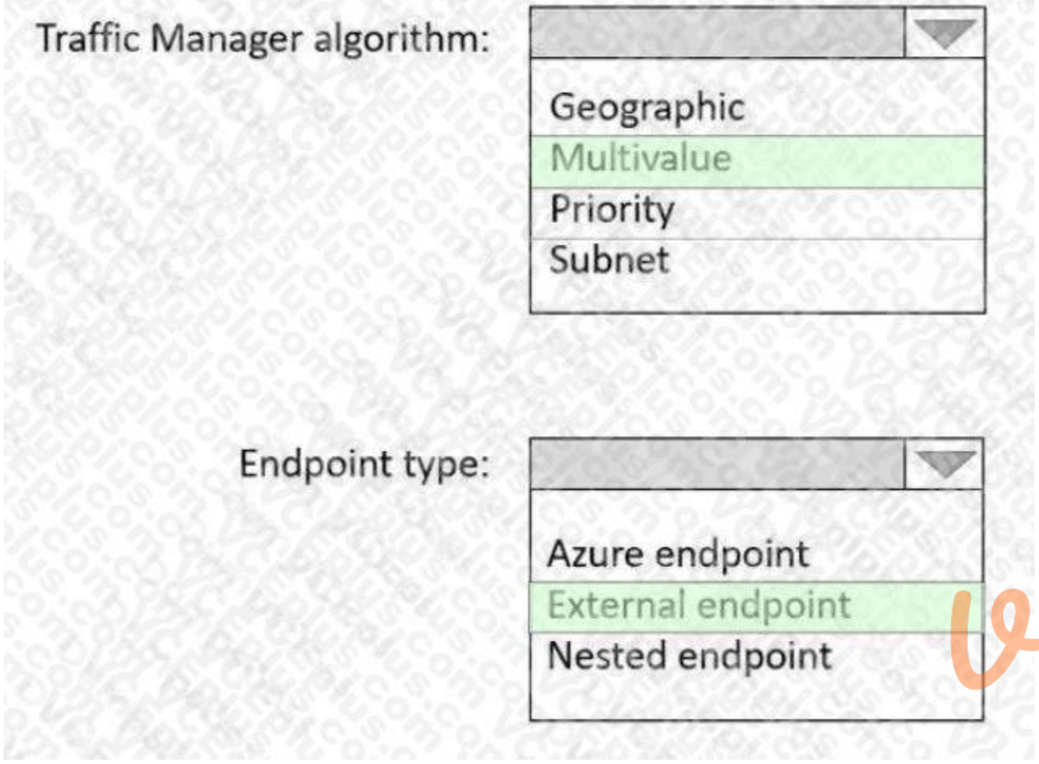
- Geographic
- Multivalue
- Priority
- Subnet

Endpoint type:

- Azure endpoint
- External endpoint
- Nested endpoint

Answer Area:

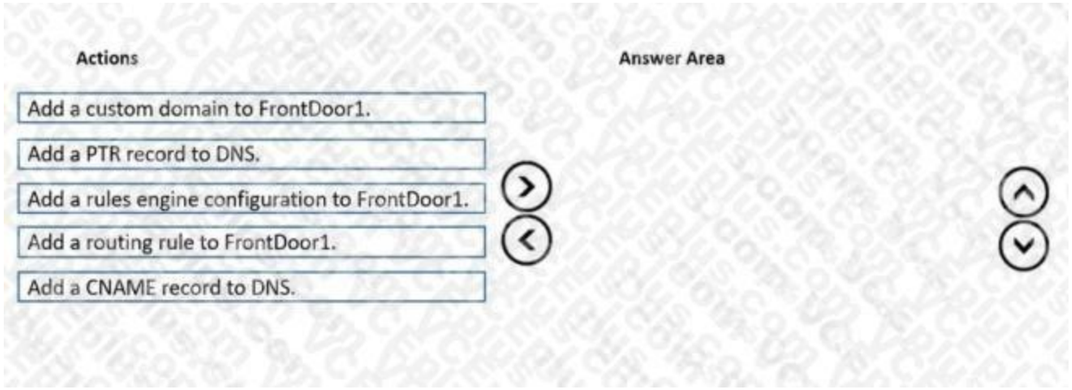
Answer Area



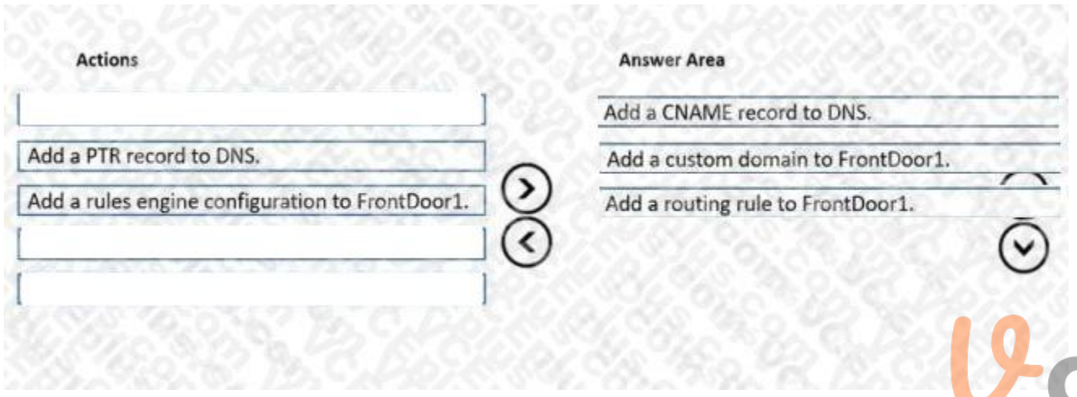
Section:
Explanation:
https://docs.microsoft.com/en-us/azure/traffic-manager/traffic-manager-routing-methods https://docs.microsoft.com/enus/azure/traffic-manager/traffic-manager-endpoint-types

QUESTION 7
DRAG DROP
You have an Azure Front Door instance named FrontDoor1.
You deploy two instances of an Azure web app to different Azure regions.
You plan to provide access to the web app through FrontDoor1 by using the name app1.contoso.com.
You need to ensure that FrontDoor1 is the entry point for requests that use app1.contoso.com.
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:



Correct Answer:



Section:

Explanation:

https://docs.microsoft.com/en-us/azure/frontdoor/front-door-custom-domain#associate-the-custom-domain-with-your-frontdoor https://docs.microsoft.com/en-us/azure/frontdoor/quickstart-create-front-door

QUESTION 8

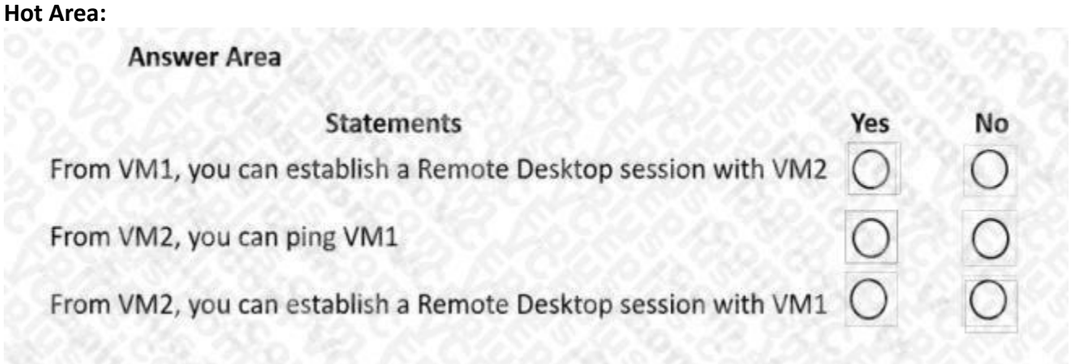
HOTSPOT

You create NSG10 and NSG11 to meet the network security requirements.

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

NOTE: Each correct selection is worth one point.

Hot Area:



Answer Area:

Section:

Explanation:

Yes

subnet1(WM1->NSG1 outbound->NSG10 outbound)->subnet2(NSG1 inbound->NSG11 inbound>VM2) Yes

NSG10 blocks ICMP from VNet4 (source 10.10.0.0/16) but it is not blocked from VM2's subnet (VNet1/Subnet2).

No

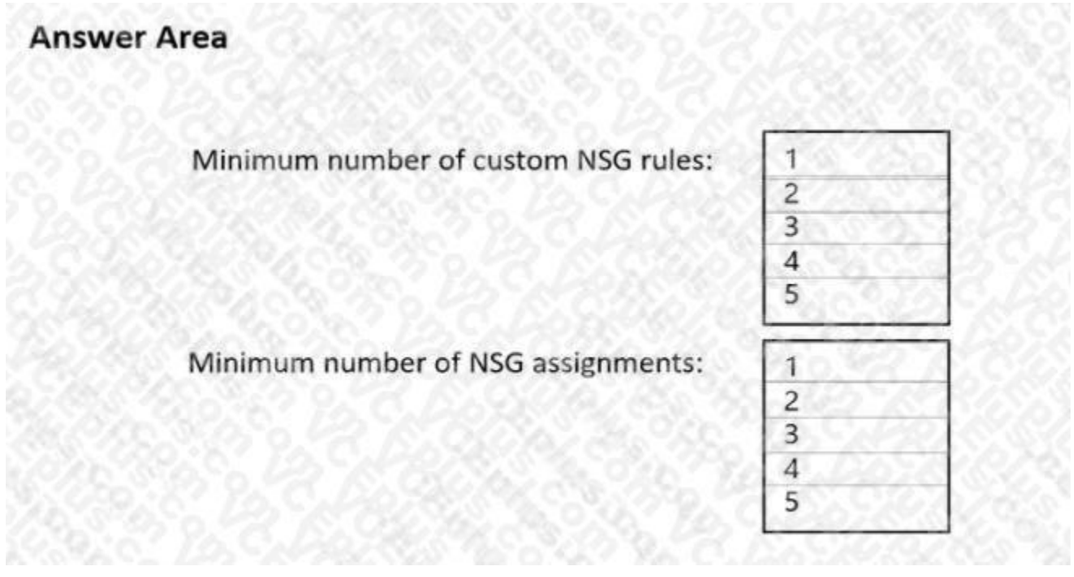
NSG11 blocks RDP (port TCP 3389) destined for VirtualNetwork. VirtualNetwork is a service tag and means the address space of the virtual network (VNet1) which in this case is 10.1.0.0/16. Therefore, RDP traffic from subnet2 to anywhere else in VNet1 is blocked.

QUESTION 9

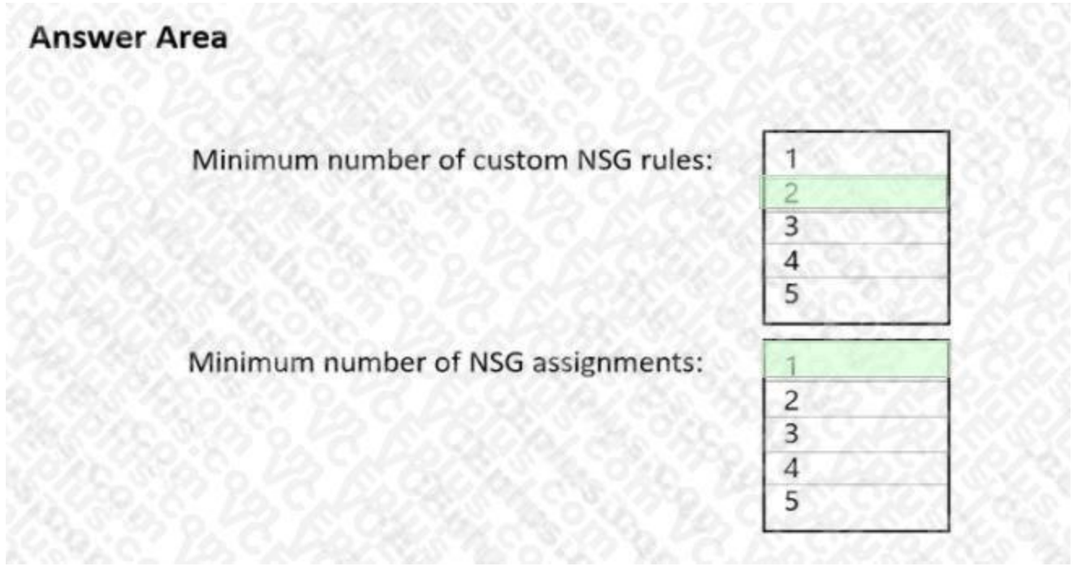
HOTSPOT

You need to restrict traffic from VMScaleSet1 to VMScaleSet2. The solution must meet the virtual networking requirements. What is the minimum number of custom NSG rules and NSG assignments required? To answer, select the appropriate options in the answer area. NOTE: Each correct selection is worth one point.

Hot Area:



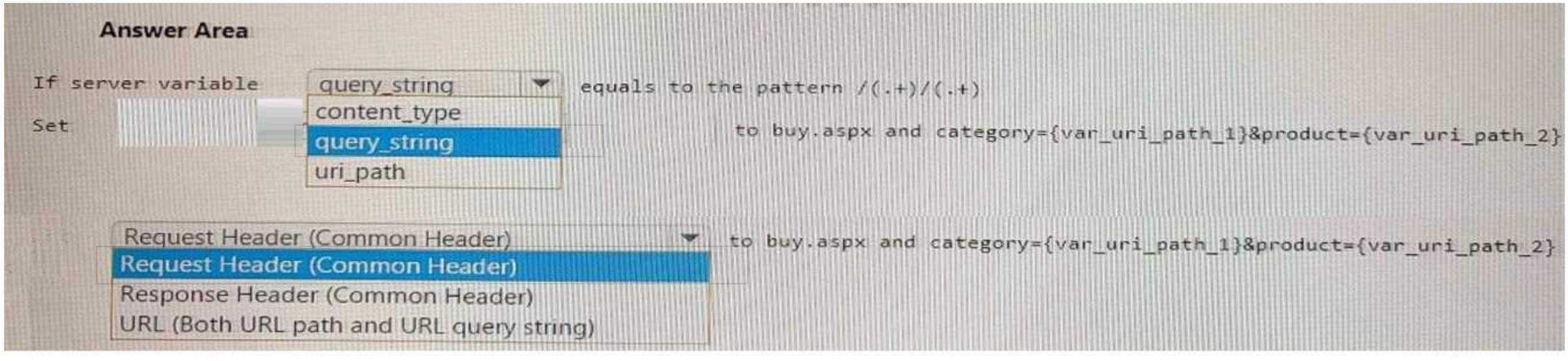
Answer Area:



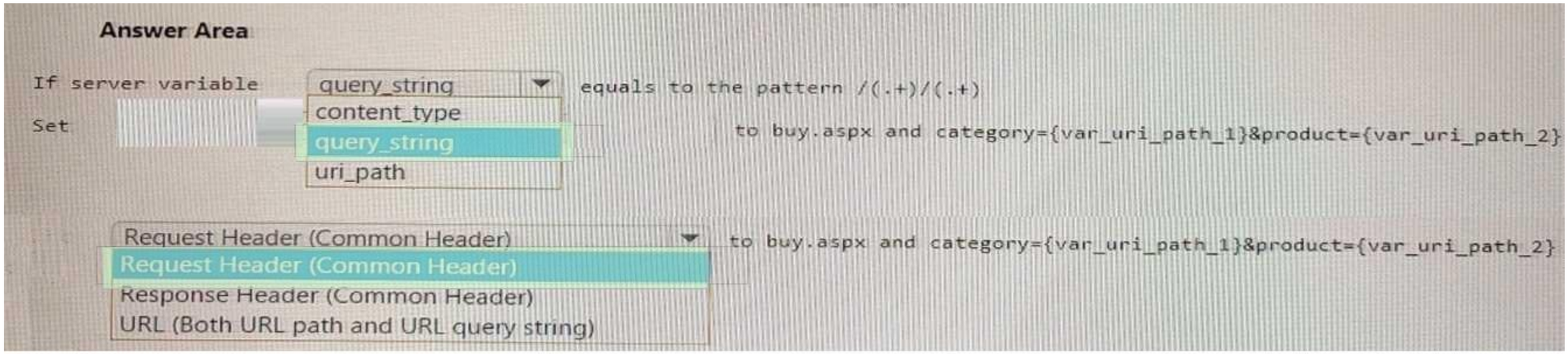
Section:
Explanation:
Box 2: One NSG
The minimum requirement is one NSG. You could attach the NSG to VMScaleSet1 and restrict outbound traffic, or you could attach the NSG to VMScaleSet2 and restrict inbound traffic. Either way you would need two custom NSG rules. Box 1: Two custom rules
With the NSG attached to VMScaleSet2, you would need to create a custom rule blocking all traffic from VMScaleSet1. Then you would need to create another custom rule with a higher priority than the first rule that allows traffic on port 443.
The default rules in the NSG will allow all other traffic to VMScaleSet2.

QUESTION 10
HOTSPOT
You have an Azure application gateway named AppGw1.
You need to create a rewrite rule for AppGw1. The solution must rewrite the URL of requests from https://www.contoso.com/fashion/shirts to ttps://www.contoso.com/buy.aspx?categoryfashion&product=shirts. How should you complete the rule? To answer NOTE: Each correct selection is worth one point appropriate options in the answer area.

Hot Area:



Answer Area:



Section:
Explanation:

QUESTION 11
HOTSPOT
You have an Azure subscription that contains the virtual machines shown in the following table.

Name	Virtual network	Subnet	Workload
SQL1	VNet1	Subnet1	Microsoft SQL Server 2019
Web1	VNet1	Subnet1	IIS
Web2	VNet1	Subnet2	IIS
SQL2	VNet2	Subnet1	Microsoft SQL Server 2019
Web3	VNet2	Subnet1	IIS
SQL3	VNet2	Subnet2	Microsoft SQL Server 2019

VNet1 and VNet2 are NOT connected to each other.
You need to block traffic from SQL Server 2019 to IIS by using application security groups. The solution must minimize administrative effort. How should you configure the application security groups? To answer, select the appropriate options in the answer area. NOTE: Each correct selection is worth one point.

Hot Area:

Answer Area:

Minimum number of application security groups:

1
2
3
6

Minimum number of application security group assignments:

1
2
3
6

Answer Area:

Minimum number of application security groups:

1
2
3
6

Minimum number of application security group assignments:

1
2
3
6

Section:
Explanation:
"All network interfaces assigned to an application security group have to exist in the same virtual network that the first network interface assigned to the application security group is in."

https://learn.microsoft.com/en-us/azure/virtual-network/application-security-groups

QUESTION 12
HOTSPOT
You have an Azure subscription that contains the virtual networks.shown in the following table.

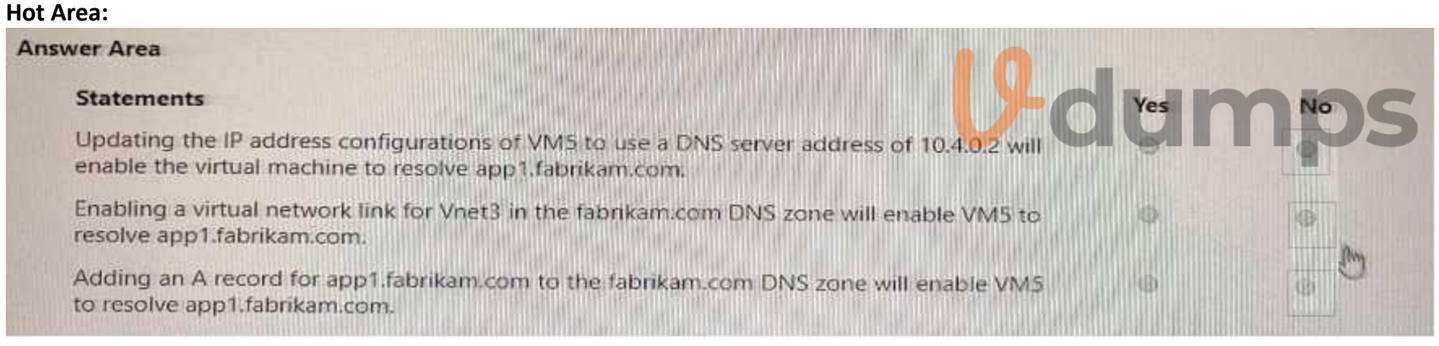
Name	Location	IP address space
Vnet1	East US 2	10.5.0.0/16
Vnet2	East US 2	10.3.0.0/16
Vnet3	East US 2	10.4.0.0/16

You have a virtual machine named VM5 that has the following IP address configurations:
• IP address: 10.4.0.5
• Subnet mask:255.255.255.0
• Default gateway:10.4.0.1
• DNSserver:168.63.129.16
You have an Azure Private DNS zone named, fabrikam.com that contains the records shown in, the following table.

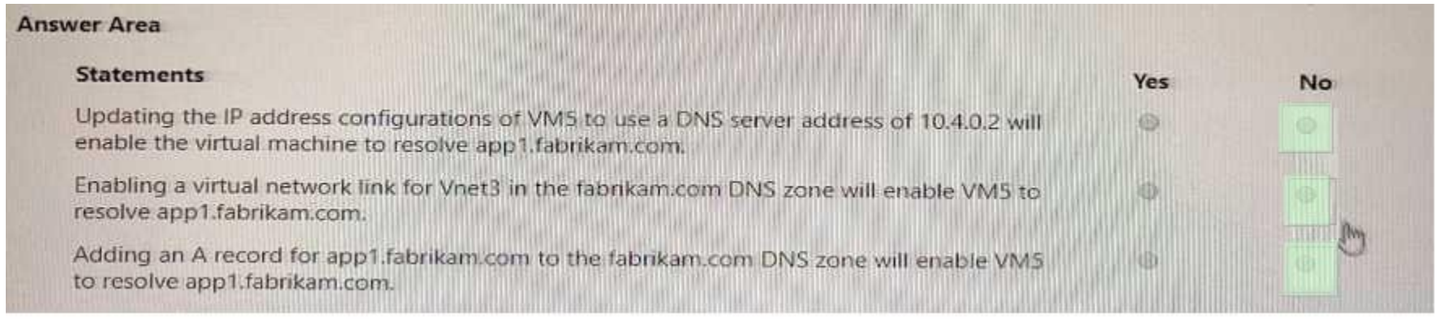
Name	Type	Value
app1	CNAME	lb1.fabrikam.com
lb1	A	10.3.0.7
vm1	A	10.3.0.4

The virtual network links in the fabrikam.com DNS /one are configured as shown in the exhibit. (Click the Exhibit tab.) VMS fails to resolve the IP address for.appKfabrik3in.com.
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:



Section:
Explanation:

QUESTION 13
You have two Azure virtual networks named Vnet1 and Vnet2.

You have a Windows 10 device named Client1 that connects to Vnet1 by using a Point-to-Site (P2S) IKEv2 VPN. You implement virtual network peering between Vnet1 and Vnet2. Vnet1 allows gateway transit Vnet2 can use the. You discover that Client1 cannot communicate with Vnet2.
You need to ensure that Client1 can communication with Vnet2.
Solution: You resize the gateway of Vnet1 to a larger SKU.
Does this meet the goal?

A. Yes
B. No

Correct Answer: B
Section:

QUESTION 14
You fail to establish a Site-to-Site VPN connection between your company's main office and an Azure virtual network. You need to troubleshoot what prevents you from establishing the IPsec tunnel.
Which diagnostic log should you review?

A. IKEDiagnosticLog
B. RouteDiagnosticLog
C. GatewayDiagnosticLog
D. TunnelDiagnosticLog

Correct Answer: A
Section:
Explanation:
Reference:
https://docs.microsoft.com/en-us/azure/vpn-gateway/troubleshoot-vpn-with-azure-diagnostics

QUESTION 15
You have an Azure virtual network and an on-premises datacenter.
You are planning a Site-to-Site VPN connection between the datacenter and the virtual network.
Which two resources should you include in your plan? Each correct answer presents part of the solution. NOTE: Each correct selection is worth one point.

A. a user-defined route
B. a virtual network gateway
C. Azure Firewall
D. Azure Web Application Firewall (WAF)
E. an on-premises data gateway
F. an Azure application gateway
G. a local network gateway

Correct Answer: B, G
Section:
Explanation:
Reference:
https://docs.microsoft.com/en-us/azure/vpn-gateway/tutorial-site-to-site-portal

QUESTION 16
Your company has an on-premises network and three Azure subscriptions named Subscription1, Subscription2, and Subscription3. The departments at the company use the Azure subscriptions as shown in the following table.

Department	Subscription
IT	Subscription1
Research	Subscription1
Development	Subscription2
Testing	Subscription2
Distribution	Subscription3

All the resources in the subscriptions are in either the West US Azure region or the West US 2 Azure region. You plan to connect all the subscriptions to the on-premises network by using ExpressRoute.
What is the minimum number of ExpressRoute circuits required?

A. 1
B. 2
C. 3
D. 4
E. 5

Correct Answer: A
Section:
Explanation:
Reference: https://docs.microsoft.com/en-us/azure/expressroute/expressroute-introduction

QUESTION 17
Your company has offices in New York and Amsterdam. The company has an Azure subscription. Both offices connect to Azure by using a Site-to-Site VPN connection. The office in Amsterdam uses resources in the North Europe Azure region. The office in New York uses resources in the East US Azure region. You need to implement ExpressRoute circuits to connect each office to the nearest Azure region. Once the ExpressRoute circuits are connected, the on-premises computers in the Amsterdam office must be able to connect to the on-premises servers in the New York office by using the ExpressRoute circuits.
Which ExpressRoute option should you use?

A. ExpressRoute FastPath
B. ExpressRoute Global Reach
C. ExpressRoute Direct
D. ExpressRoute Local

Correct Answer: B
Section:
Explanation:
Reference: https://docs.microsoft.com/en-us/azure/expressroute/expressroute-global-reach

QUESTION 18
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 two Azure virtual networks named Vnet1 and Vnet2.
You have a Windows 10 device named Client1 that connects to Vnet1 by using a Point-to-Site (P2S) IKEv2 VPN. You implement virtual network peering between Vnet1 and Vnet2. Vnet1 allows gateway transit. Vnet2 can use the remote gateway. You discover that Client1 cannot communicate with Vnet2.
You need to ensure that Client1 can communicate with Vnet2.
Solution: You reset the gateway of Vnet1.

Does this meet the goal?

A. Yes
B. No

Correct Answer: B
Section:
Explanation:
The VPN client must be downloaded again if any changes are made to VNet peering or the network topology.
Reference: https://docs.microsoft.com/en-us/azure/vpn-gateway/vpn-gateway-about-point-to-site-routing

QUESTION 19
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 two Azure virtual networks named Vnet1 and Vnet2.
You have a Windows 10 device named Client1 that connects to Vnet1 by using a Point-to-Site (P2S) IKEv2 VPN. You implement virtual network peering between Vnet1 and Vnet2. Vnet1 allows gateway transit. Vnet2 can use the remote gateway. You discover that Client1 cannot communicate with Vnet2.
You need to ensure that Client1 can communicate with Vnet2.
Solution: You enable BGP on the gateway of Vnet1.
Does this meet the goal?

A. Yes
B. No

Correct Answer: B
Section:
Explanation:
The VPN client must be downloaded again if any changes are made to VNet peering or the network topology.
Reference: https://docs.microsoft.com/en-us/azure/vpn-gateway/vpn-gateway-about-point-to-site-routing

QUESTION 20
You plan to deploy Azure virtual network.
You need to design the subnets.
Which three types of resources require a dedicated subnet? Each correct answer presents a complete solution. NOTE: Each correct selection is worth one point.

A. Azure Bastion
B. Azure Active Directory Domain Services
C. Azure Private Link
D. Azure Application Gateway v2
E. VPN gateway

Correct Answer: A, D, E
Section:
Explanation:
Reference: https://docs.microsoft.com/en-us/azure/virtual-network/virtual-network-for-azure-services

QUESTION 21
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 two Azure virtual networks named Vnet1 and Vnet2.
You have a Windows 10 device named Client1 that connects to Vnet1 by using a Point-to-Site (P2S) IKEv2 VPN.
You implement virtual network peering between Vnet1 and Vnet2. Vnet1 allows gateway transit. Vnet2 can use the remote gateway.
You discover that Client1 cannot communicate with Vnet2.
You need to ensure that Client1 can communicate with Vnet2.
Solution: You download and reinstall the VPN client configuration.
Does this meet the goal?

A. Yes
B. No

Correct Answer: A
Section:
Explanation:
The VPN client must be downloaded again if any changes are made to VNet peering or the network topology.
Reference:
https://docs.microsoft.com/en-us/azure/vpn-gateway/vpn-gateway-about-point-to-site-routing

QUESTION 22
You have an Azure virtual network named Vnet1 that hosts an Azure firewall named FW1 and 150 virtual machines. Vnet1 is linked to a private DNS zone named contoso.com. All the virtual machines have their name registered in the contoso.com zone.
Vnet1 connects to an on-premises datacenter by using ExpressRoute.
You need to ensure that on-premises DNS servers can resolve the names in the contoso.com zone.
Which two actions should you perform? Each correct answer presents part of the solution.
NOTE: Each correct selection is worth one point.

A. Modify the DNS server settings of Vnet1.
B. For FW1, configure custom DNS server.
C. For FW1, enable DNS proxy.
D. On the on-premises DNS servers, configure forwarders that point to the frontend IP address of FW1.
E. On the on-premises DNS servers, configure forwarders that point to the Azure provided DNS service at 168.63.129.16.

Correct Answer: C, D
Section:
Explanation:
Reference:
https://docs.microsoft.com/en-us/azure/private-link/private-endpoint-dns#on-premises-workloads-using-a-dns-forwarder https://azure.microsoft.com/en-gb/blog/new-enhanced-dns-features-in-azure-firewall-now-generally-available/

QUESTION 23
You are planning the IP addressing for the subnets in Azure virtual networks.
Which type of resource requires IP addresses in the subnets?

A. internal load balancers
B. storage account
C. service endpoints

D. service endpoint policies

Correct Answer: A
Section:
Explanation:
Reference: https://docs.microsoft.com/en-us/azure/load-balancer/load-balancer-overview

QUESTION 24
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 only
B. IP5 only
C. IP2 and IP4 only
D. IP1, IP3 and IP5 only
E. IP3 and IP5 only

Correct Answer: A
Section:
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

QUESTION 25
You have an Azure application gateway named AGW1 that has a routing rule named Rule1. Rule 1 directs traffic for http://www.contoso.com to a backend pool named Pool1. Pool1 targets an Azure virtual machine scale set named VMSS1. You deploy another virtual machine scale set named VMSS2.
You need to configure AGW1 to direct all traffic for http://www.adatum.com to VMSS2.
The solution must ensure that requests to http://www.contoso.com continue to be directed to Pool1.
Which three actions should you perform? Each correct answer presents part of the solution.
NOTE: Each correct selection is worth one point.

A. Add a backend pool.
B. Modify an HTTP setting.
C. Add an HTTP setting.
D. Add a listener.
E. Add a rule.

Correct Answer: A, D, E
Section:
Explanation:
Reference: https://docs.microsoft.com/en-us/azure/application-gateway/configuration-overview

QUESTION 26
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 application gateway that has Azure Web Application Firewall (WAF) enabled.
You configure the application gateway to direct traffic to the URL of the application gateway.
You attempt to access the URL and receive an HTTP 403 error. You view the diagnostics log and discover the following error.

You need to ensure that the URL is accessible through the application gateway.
Solution: You add a rewrite rule for the host header.
Does this meet the goal?

A. Yes
B. No

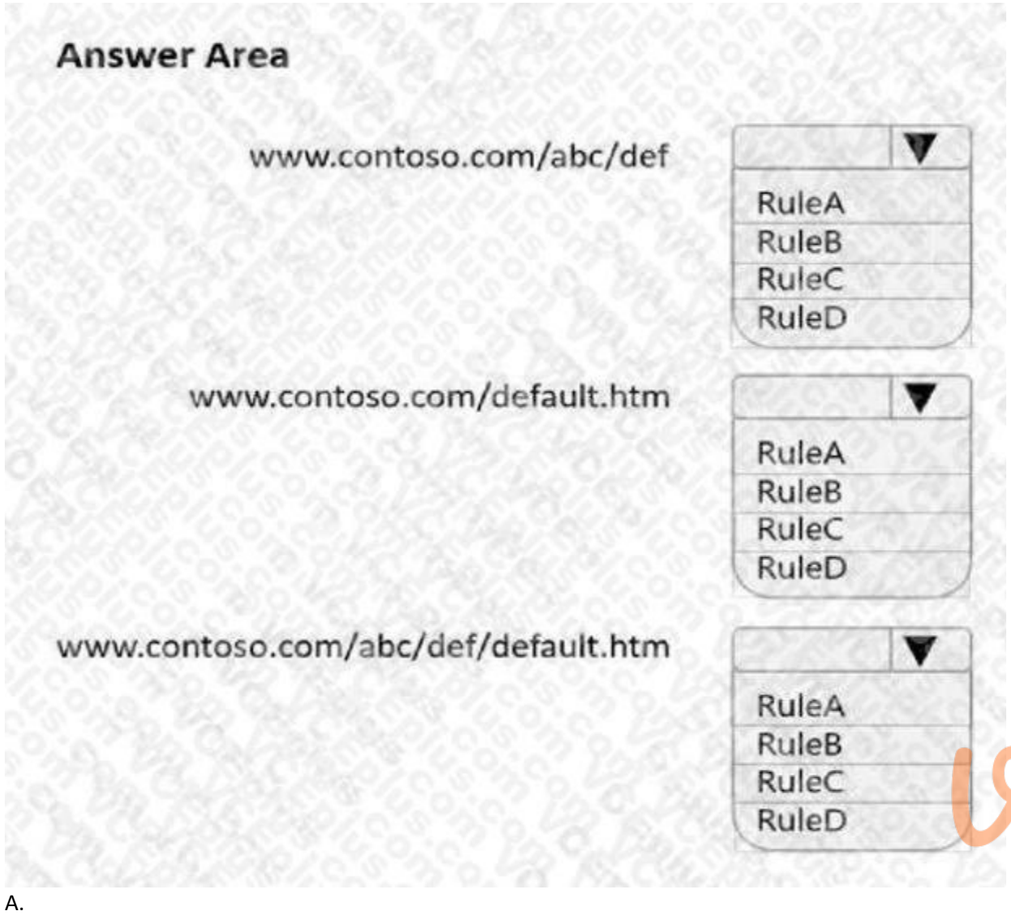
Correct Answer: B
Section:

QUESTION 27
HOTSPOT
You have an Azure Front Door instance that provides access to a web app. The web app uses a hostname of www.contoso.com. You have the routing rules shown in the following table.

Name	Path
RuleA	/abc/def
RuleB	/ab
RuleC	/*
RuleD	/abc/*

Which rule will apply to each incoming request? To answer, select the appropriate options in the answer area. NOTE: Each correct selection is worth one point Hot Area:

Answer Area



A.
B.
C.
D.

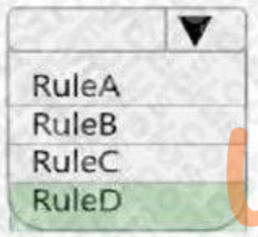
Answer:

Answer Area

www.contoso.com/abc/def

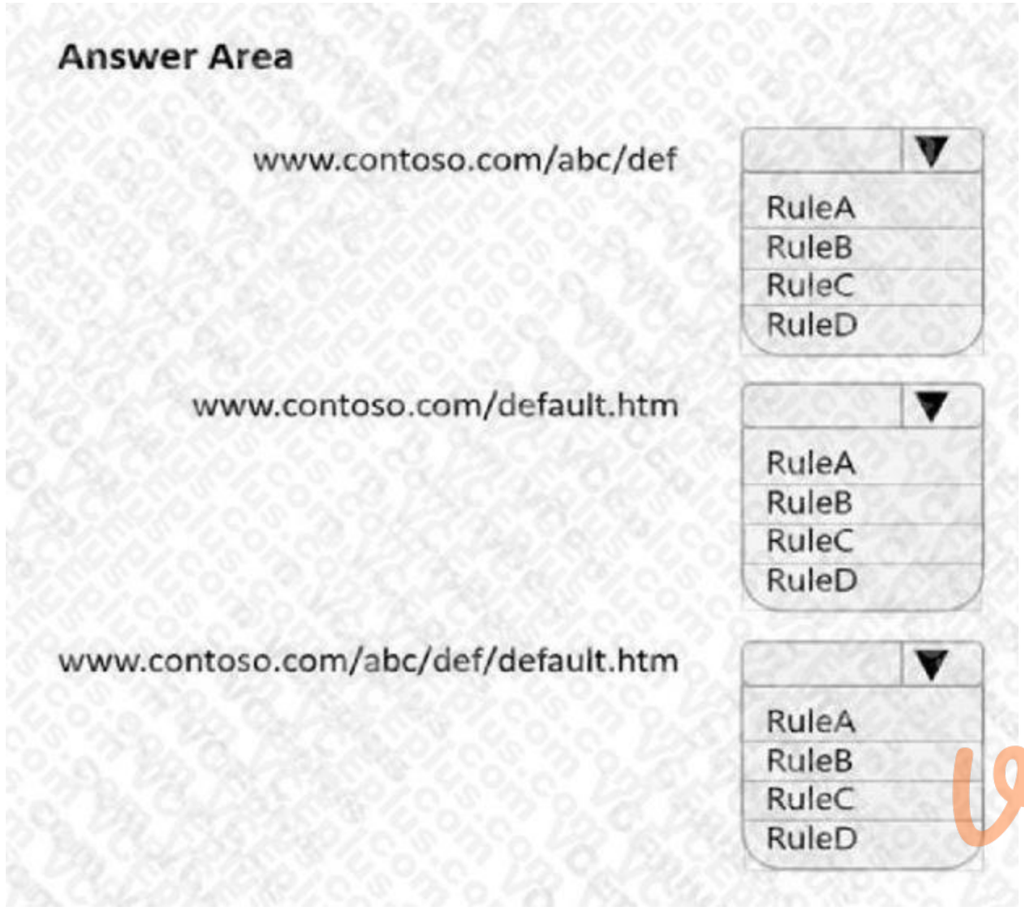
www.contoso.com/default.htm

www.contoso.com/abc/def/default.htm



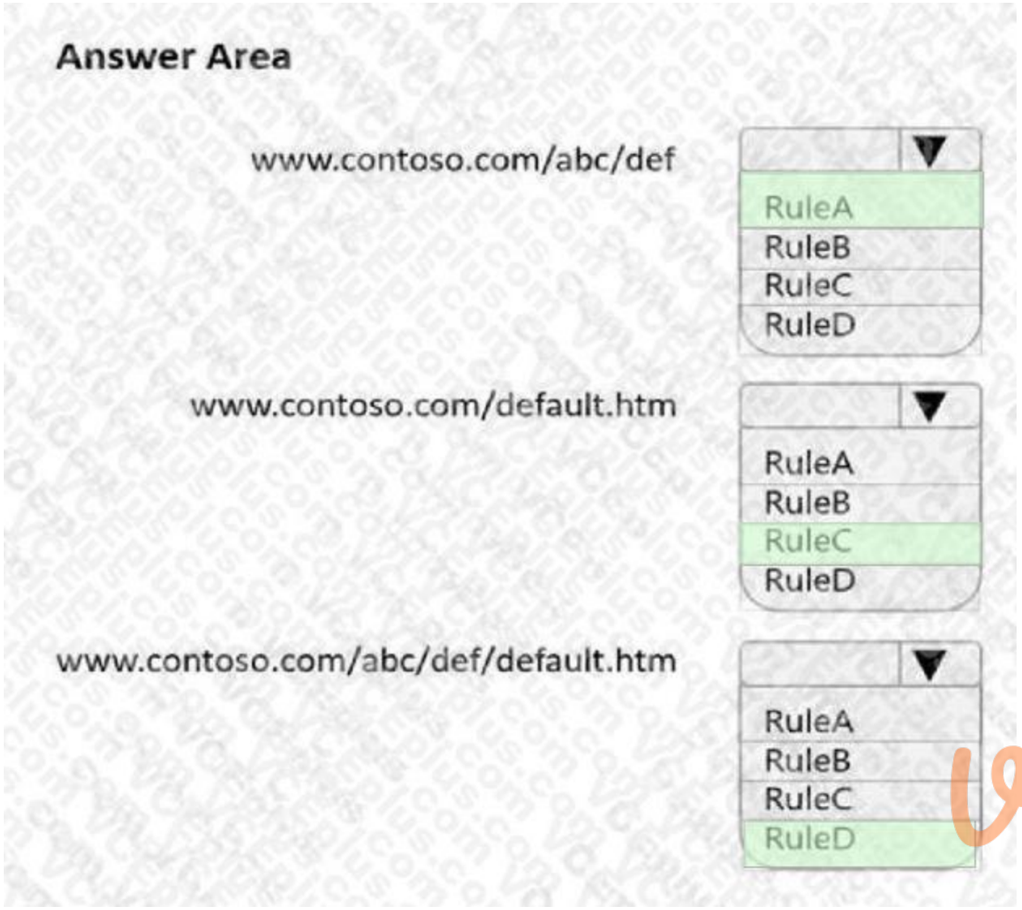
Hot Area:

Answer Area



Answer Area:

Answer Area



Section:
Explanation:
Reference: https://docs.microsoft.com/en-us/azure/frontdoor/front-door-route-matching

QUESTION 28
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 application gateway that has Azure Web Application Firewall (WAF) enabled.
You configure the application gateway to direct traffic to the URL of the application gateway.
You attempt to access the URL and receive an HTTP 403 error. You view the diagnostics log and discover the following error.

You need to ensure that the URL is accessible through the application gateway.
Solution: You disable the WAF rule that has a ruleId 920300.
Does this meet the goal?

A. Yes
B. No

Correct Answer: A
Section:

QUESTION 29
You have an Azure application gateway for a web app named App1. The application gateway allows end-to-end encryption. You configure the listener for HTTPS by uploading an enterprise-signed certificate.
You need to ensure that the application gateway can provide end-to-end encryption for App1.
What should you do?

A. Increase the Unhealthy threshold setting in the custom probe.
B. Enable the SSL profile to the listener.
C. Set Listener type to Multi site.
D. Upload the public key certificate to the HTTP settings.

Correct Answer: D
Section:
Explanation:
Reference: https://docs.microsoft.com/en-us/azure/application-gateway/end-to-end-ssl-portal

QUESTION 30
You have an Azure application gateway named AppGW1 that balances requests to a web app named App1.
You need to modify the server variables in the response header of App1.
What should you configure on AppGW1?

A. HTTP settings
B. rewrites
C. rules
D. listeners

Correct Answer: B
Section:
Explanation:
Reference:
https://docs.microsoft.com/en-us/azure/application-gateway/rewrite-http-headers-url

QUESTION 31
You have an Azure Virtual Desktop deployment that has 500 session hosts.
All outbound traffic to the internet uses a NAT gateway.
During peak business hours. some users report that they cannot access internet resources. In Azure Monitor, you discover many failed SNAT connections. You need to increase the available SNAT connections.
What should you do?

A. Bind the NAT gateway to another subnet.
B. Add a public IP address.
C. Deploy Azure Standard Load Balancer that has outbound rules.

Correct Answer: B
Section:
Explanation:
Reference:
https://docs.microsoft.com/en-us/azure/virtual-network/nat-gateway/nat-gateway-resource

QUESTION 32
You have an Azure subscription that contains the public IPv4 addresses shown in the following table.

Name	SKU	IP address assignment	Location
IP1	Basic	Static	West US
IP2	Basic	Dynamic	West US
IP3	Standard	Static	West US
IP4	Basic	Static	West US 2
IP5	Standard	Static	West US

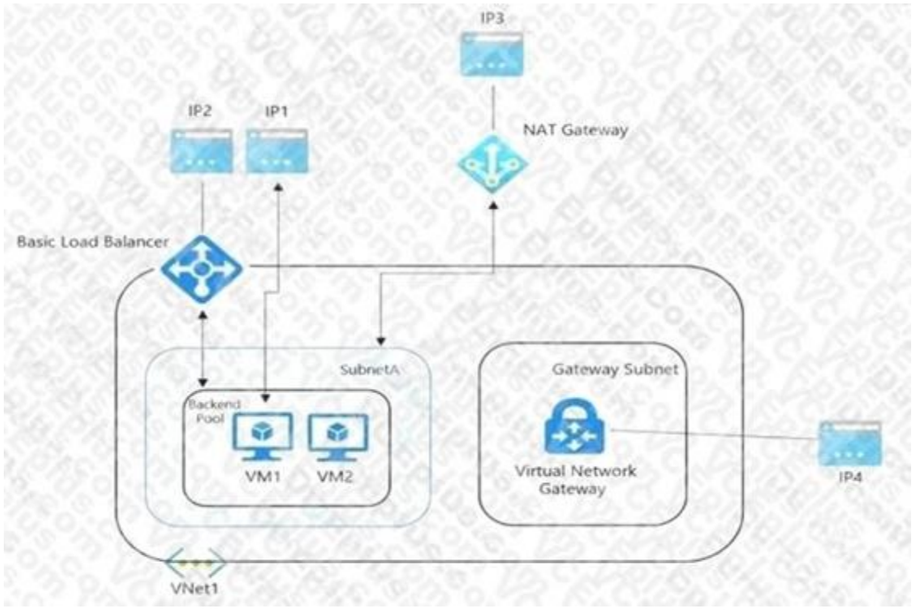
You plan to create a load balancer named LB1 that will have the following settings:
Name: LB1
Location: West US
Type: Public
SKU: Standard
Which public IPv4 addresses can be used by LB1?

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

Correct Answer: F
Section:
Explanation:
Reference: https://docs.microsoft.com/en-us/azure/virtual-network/virtual-network-public-ip-address

QUESTION 33

You have the Azure environment shown in the exhibit.



VM1 is a virtual machine that has an instance-level public IP address (ILPIP).
Basic Load Balancer uses a public IP address. VM1 and VM2 are in the backend pool.
NAT Gateway uses a public IP address named IP3 that is associated to SubnetA.
VNet1 has a virtual network gateway that has a public IP address named IP4.
When initiating outbound traffic to the internet from VM1, which public address is used?

A. IP1
B. IP2
C. IP3
D. IP4

Correct Answer: A
Section:

QUESTION 34
You are configuring two network virtual appliances (NVAs) in an Azure virtual network. The NVAs will be used to inspect all the traffic within the virtual network. You need to provide high availability for the NVAs. The solution must minimize administrative effort. What should you include in the solution?

A. Azure Standard Load Balancer
B. Azure Application Gateway
C. Azure Traffic Manager
D. Azure Front Door

Correct Answer: C
Section:
Explanation:
Reference:
https://docs.microsoft.com/en-us/azure/architecture/reference-architectures/dmz/nva-ha?tabs=cli

QUESTION 35
You have five virtual machines that run Windows Server. Each virtual machine hosts a different web app. You plan to use an Azure application gateway to provide access to each web app by using a hostname of www.contoso.com and a different URL path for each web app, for example: https:// www.contoso.com/app1. You need to control the flow of traffic based on the URL path.
What should you configure?

A. HTTP settings
B. listeners
C. rules
D. rewrites

Correct Answer: C
Section:
Explanation:
Reference:
https://docs.microsoft.com/en-us/azure/application-gateway/url-route-overview

QUESTION 36
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 www.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 maps www.contoso.com to TMprofile1.trafficmanager.net
D. a TXT record that contains a string of as1.contoso.com and as2.contoso.com in the details

Correct Answer: C
Section:
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

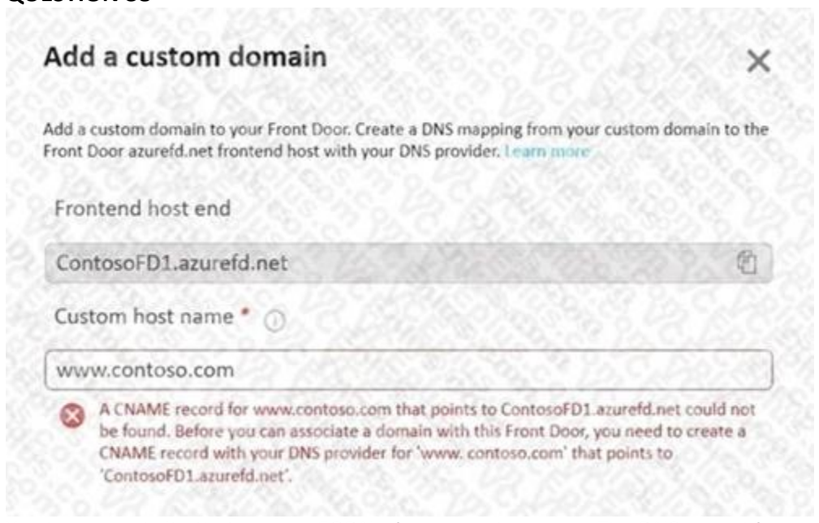
QUESTION 37
Note: This question is part of a series of questions that present the same scenario. Each question in the series contains a unique solution that might meet the stated goals. Some question sets might have more than one correct solution, while others might not have a correct solution.
After 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 application gateway that has Azure Web Application Firewall (WAF) enabled.
You configure the application gateway to direct traffic to the URL of the application gateway.
You attempt to access the URL and receive an HTTP 403 error. You view the diagnostics log and discover the following error.

You need to ensure that the URL is accessible through the application gateway.
Solution: You create a WAF policy exclusion for request headers that contain 137.135.10.24.
Does this meet the goal?

A. Yes
B. No

Correct Answer: B
Section:

QUESTION 38



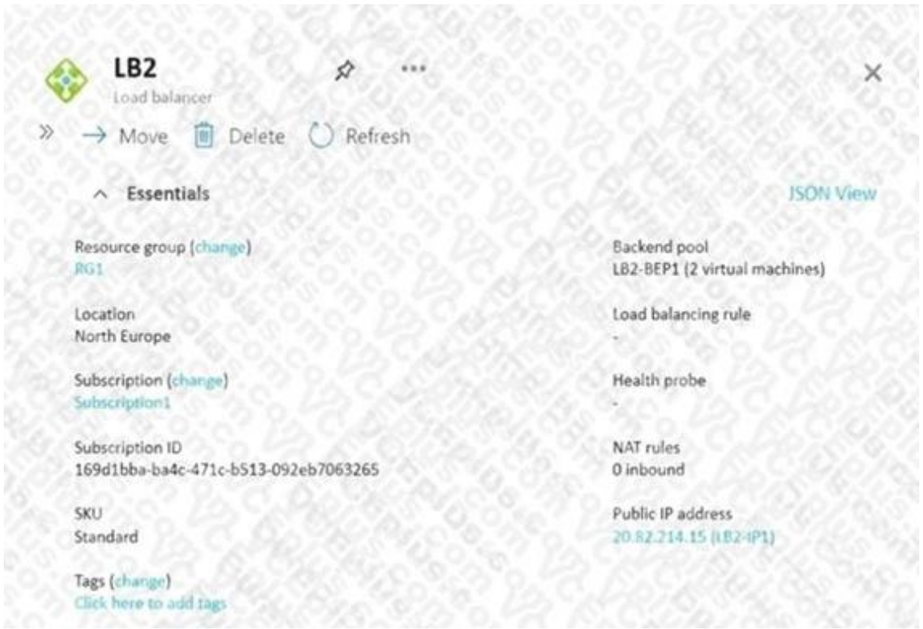
You have a website that uses an FQDN of www.contoso.com. The DNS record for www. contoso.com resolves to an onpremises web server. You plan to migrate the website to an Azure web app named Web1. The website on Web1 will be published by using an Azure Front Door instance named ContosoFD1. You build the website on Web1.
You plan to configure ContosoFD1 to publish the website for testing.
When you attempt to configure a custom domain for www.contoso.com on ContosoFD1, you receive the error message shown in the exhibit. (Click the Exhibit tab.) You need to test the website and ContosoFD1 without affecting user access to the on-premises web server.
Which record should you create in the contoso.com DNS domain?

A. a CNAME record that maps afdverify.www.contoso.com to ContosoFD1.azurefd.net

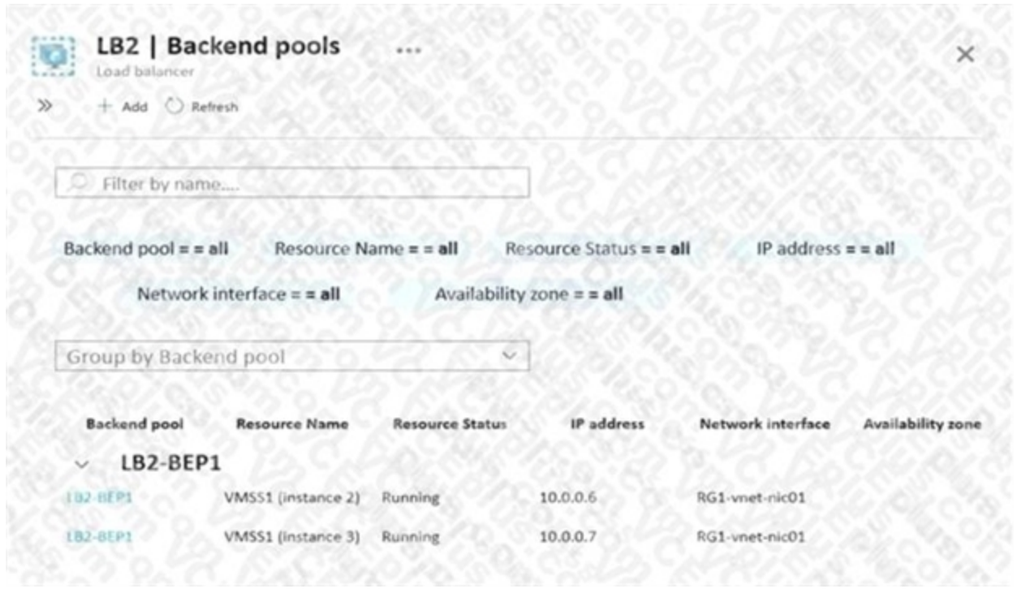
B. a CNAME record that maps www.contoso.com to ContosoFD1.azurefd.net
C. a CNAME record that maps afdverify.www.contoso.com to afdverify.ContosoFD1.azurefd.net
D. a CNAME record that maps www.contoso.com to Web1.contoso.com

Correct Answer: C
Section:
Explanation:
Reference: https://docs.microsoft.com/en-us/azure/frontdoor/front-door-custom-domain#map-the-temporary-afdverifysubdomain

QUESTION 39
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.
Which two actions should you perform? Each correct answer presents part of the solution.
NOTE: Each correct selection is worth one point.

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

Correct Answer: B, C
Section:
Explanation:
Reference:
https://docs.microsoft.com/en-us/azure/load-balancer/quickstart-load-balancer-standard-public-portal?tabs=option-1-createload-balancer-standard

QUESTION 40
You have an Azure virtual network that contains the subnets shown in the following table.

Name	IP address space
AzureFirewallSubnet	192.168.1.0/24
Subnet2	192.168.2.0/24

You deploy an Azure firewall to AzureFirewallSubnet. You route all traffic from Subnet2 through the firewall. You need to ensure that all the hosts on Subnet2 can access an external site located at https://*.contoso.com. What should you do?

A. In a firewall policy, create a DNAT rule.
B. Create a network security group (NSG) and associate the NSG to Subnet2.
C. In a firewall policy, create a network rule.
D. In a firewall policy, create an application rule.

Correct Answer: D
Section:

Explanation:
Reference:
https://docs.microsoft.com/en-us/azure/firewall/tutorial-firewall-deploy-portal

QUESTION 41
You have an Azure Web Application Firewall (WAF) policy in prevention mode that is associated to an Azure Front Door instance. You need to configure the policy to meet the following requirements:
Log all connections from Australia.
Deny all connections from New Zealand.
Deny all further connections from a network of 131.107.100.0/24 if there are more than 100 connections during one minute. What is the minimum number of objects you should create?

A. three custom rules that each has one condition
B. one custom rule that has three conditions
C. one custom rule that has one condition
D. one rule that has two conditions and another rule that has one condition

Correct Answer: A
Section:
Explanation:
Reference: https://docs.microsoft.com/en-us/azure/web-application-firewall/afds/afds-overview

QUESTION 42
You have an Azure subscription that contains multiple virtual machines in the West US Azure region. You need to use Traffic Analytics.
Which two resources should you create? Each correct answer presents part of the solution. (Choose two.) NOTE: Each correct answer selection is worth one point.

A. an Azure Monitor workbook
B. a Log Analytics workspace
C. a storage account
D. an Azure Sentinel workspace
E. an Azure Monitor data collection rule

Correct Answer: B, C
Section:
Explanation:
Reference: https://docs.microsoft.com/en-us/azure/network-watcher/traffic-analytics

QUESTION 43
You have a hybrid environment that uses ExpressRoute to connect an on-premises network and Azure.
You need to log the uptime and the latency of the connection periodically by using an Azure virtual machine and an onpremises virtual machine. What should you use?

A. Azure Monitor
B. IP flow verify
C. Connection Monitor
D. Azure Internet Analyzer

Correct Answer: C
Section:
Explanation:
Reference: https://docs.microsoft.com/en-us/azure/network-watcher/connection-monitor

QUESTION 44
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. Deploy an application security croup mat allows outbound traffic to 1688
B. Deploy an Azure Standard Load Balancer that has an outbound NAT rule
C. On fW1.configure a DNAT rule for port 1688.
D. Add an internet route to RI1 for the Azure Key Management Service (KMS).

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

QUESTION 45
You have an Azure virtual network that contains a subnet named Subnet1. Subnet1 is associated to a network security group (NSG) named NSG1. NSG1 blocks all outbound traffic that is not allowed explicitly. Subnet1 contains virtual machines that must communicate with the Azure Cosmos DB service.
You need to create an outbound security rule in NSG1 to enable the virtual machines to connect to Azure Cosmos DB. What should you include in the solution?

A. a service tag
B. a service endpoint policy
C. a subnet delegation
D. an application security group

Correct Answer: A
Section:
Explanation:
Reference: https://docs.microsoft.com/en-us/azure/virtual-network/service-tags-overview https://docs.microsoft.com/enus/azure/virtual-network/virtual-network-service-endpoint-policies-portal

QUESTION 46
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 Policy1 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 rate limit threshold of Rule1.
B. Create two additional associations.
C. Modify the conditions of Rule1.
D. Modify the rule type of Rule1.

Correct Answer: A
Section:
Explanation:

QUESTION 47
You have an Azure virtual network named Vnet1.
You need to ensure that the virtual machines in Vnet1 can access only the Azure SQL resources in the East US Azure region. The virtual machines must be prevented from accessing any Azure Storage resources. Which two outbound network security group (NSG) rules should you create? Each correct answer presents part of the solution. NOTE: Each correct selection is worth one point.

A. a deny rule that has a source of VirtualNetwork and a destination of Sql
B. an allow rule that has the IP address range of Vnet1 as the source and destination of Sql.EastUS
C. a deny rule that has a source of VirtualNetwork and a destination of 168.63.129.0/24
D. a deny rule that has the IP address range of Vnet1 as the source and destination of Storage

Correct Answer: C, D
Section:
Explanation:

QUESTION 48
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

Correct Answer: B
Section:

QUESTION 49
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 create a network security group (NSG) and associate the NSG to Subnet1.
Does this meet the goal?

A. Yes
B. No

Correct Answer: B
Section:

QUESTION 50
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 create a network security group (NSG). You configure a service tag for Microsoft.Storage and link the tag to Subnet1. Does this meet the goal?

A. Yes
B. No

Correct Answer: B
Section:

QUESTION 51
You have an Azure virtual network named Vnet1 that has one subnet. Vnet1 is in the West Europe Azure region. You deploy an Azure App Service app named App1 to the West Europe region.
You need to provide App1 with access to the resources in Vnet1. The solution must minimize costs.
What should you do first?

A. Create a private link.
B. Create a new subnet.
C. Create a NAT gateway.
D. Create a gateway subnet and deploy a virtual network gateway.

Correct Answer: D
Section:
Explanation:
Reference: https://docs.microsoft.com/en-us/azure/app-service/web-sites-integrate-with-vnet

QUESTION 52
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.contoso.onmicrosoft.com
B. app1.private.contoso.com
C. app1.privatelink.azurewebsites.net
D. app1.contoso.com

Correct Answer: C
Section:

QUESTION 53

You have Azure App Service apps in the West US Azure region as shown in the following table.

Name	App Service Plan	Number of instances
App1	ASP1	3
App2	ASP1	3
App3	ASP2	2
App4	ASP3	1

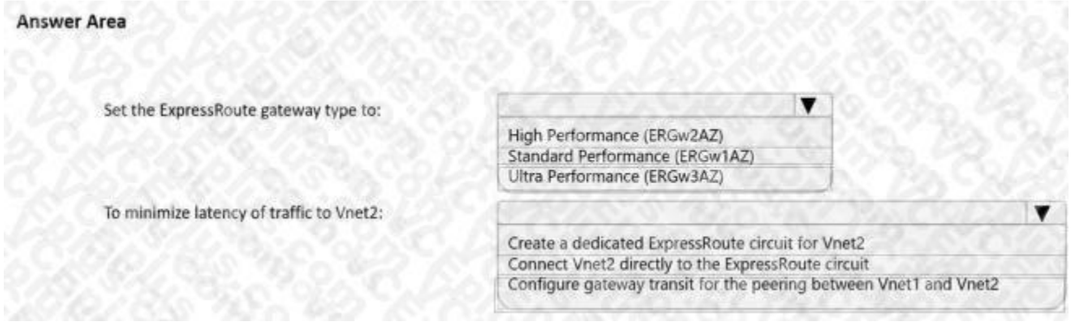
You need to ensure that all the apps can access the resources in a virtual network named Vnet1 without forwarding traffic through the internet. How many integration subnets should you create?

A. 0
B. 1
C. 3
D. 4
E. 6

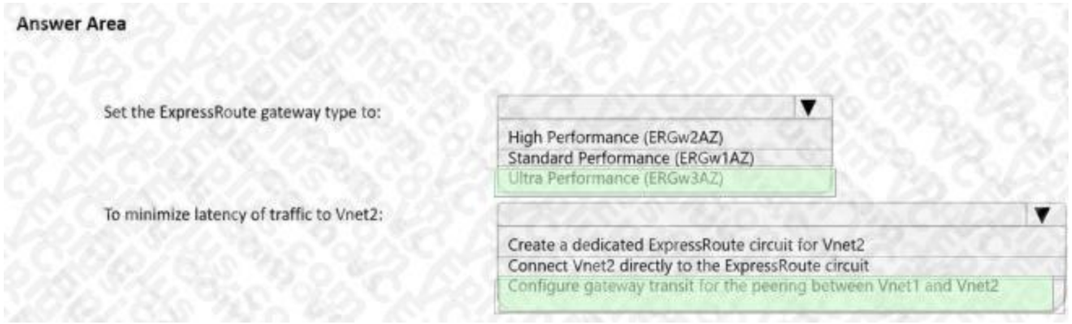
Correct Answer: C
Section:
Explanation:
One integration subnet is required per App Service Plan regardless of how many apps are running in the App Service Plan.
Reference: https://docs.microsoft.com/en-us/azure/app-service/overview-vnet-integration

QUESTION 54
HOTSPOT
You need to recommend a configuration for the ExpressRoute connection from the Boston datacenter. The solution must meet the hybrid networking requirements and business requirements. What should you recommend?
To answer, select the appropriate options in the answer area.
NOTE: Each correct selection is worth one point.

Hot Area:



Answer Area:



Section:

Explanation:

https://docs.microsoft.com/en-us/azure/expressroute/about-fastpath

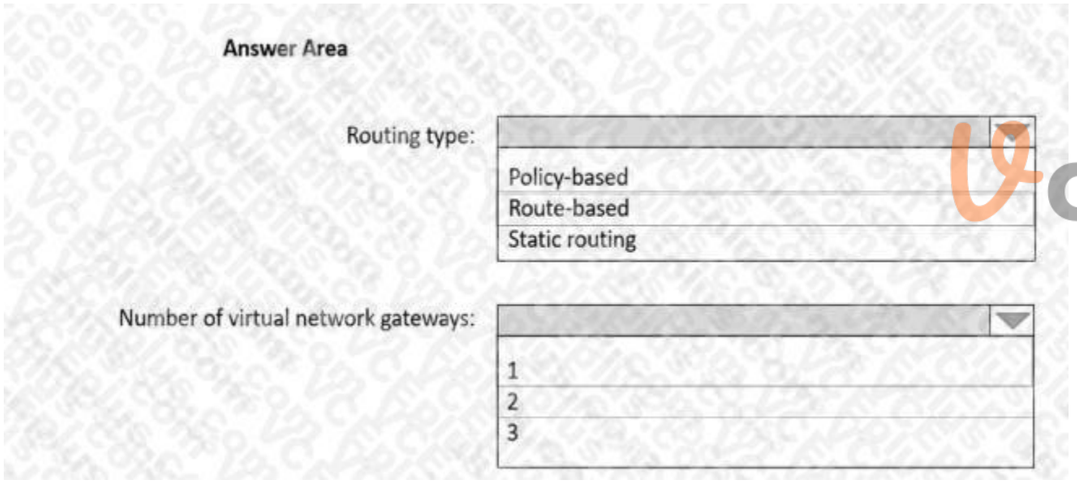
QUESTION 55

HOTSTOP

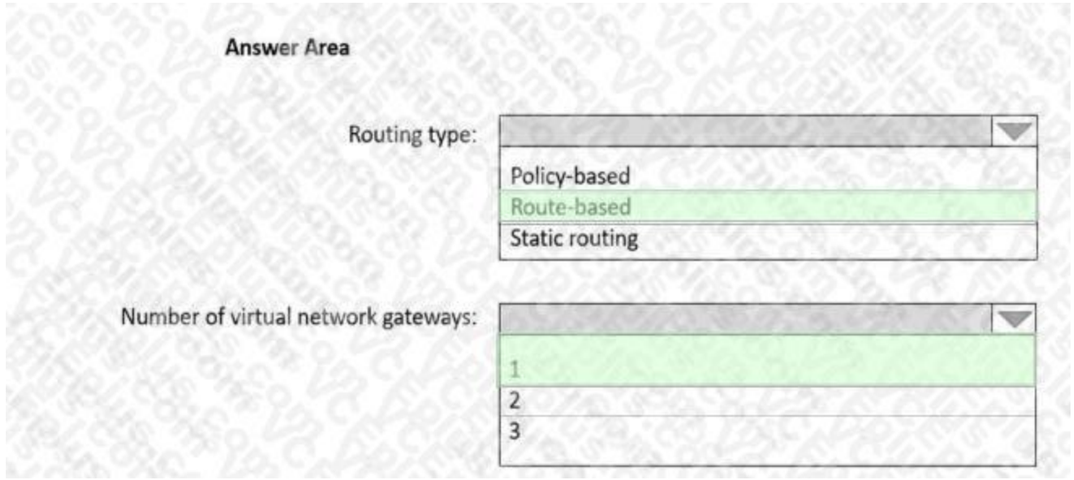
You need to connect an on-premises network and an Azure environment. The solution must use ExpressRoute and support failing over to a Site-to-Site VPN connection if there is an ExpressRoute failure. What should you configure? To answer, select the appropriate options in the answer area.

NOTE: Each correct selection is worth one point.

Hot Area:



Answer Area:



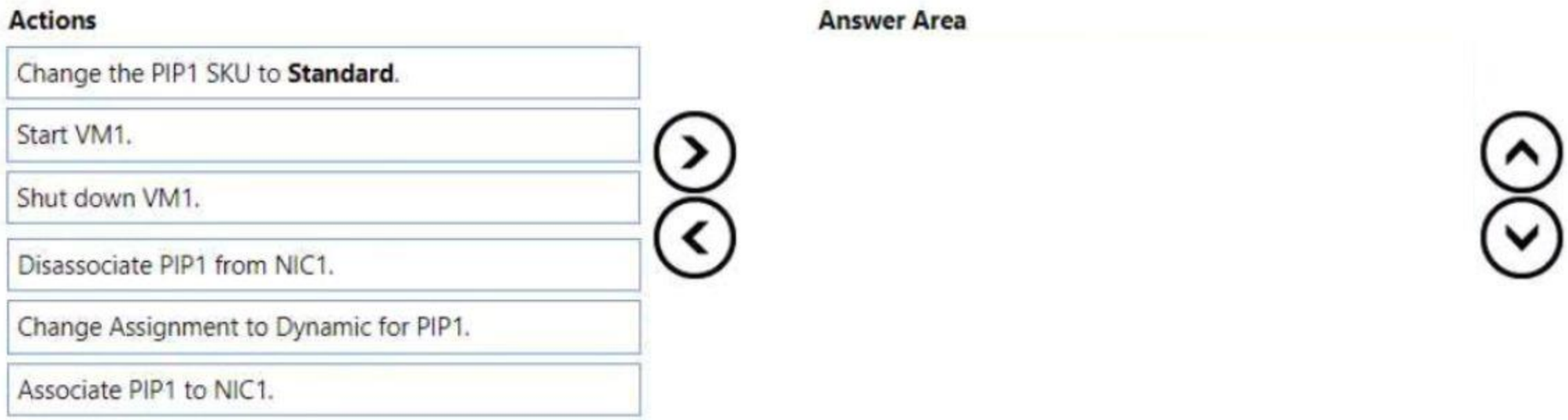
Section:
Explanation:
Reference: https://docs.microsoft.com/en-us/azure/expressroute/expressroute-howto-coexist-resource-manager

QUESTION 56
DRAG DROP
You have an Azure subscription that contains the resources shown in the following table.

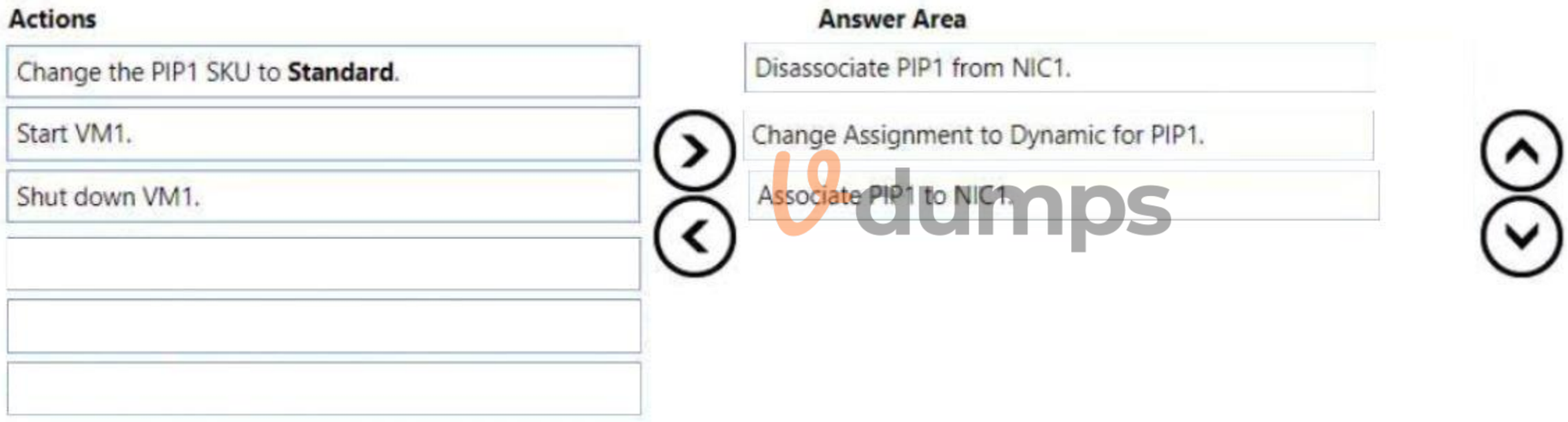
Name	Type	Description
Gateway1	NAT gateway	Unconfigured
NIC1	Network interface	A network interface with a statically assigned public IP address named PIP1
PIP1	Public IP address	A Basic SKU public IP address
VNet1	Virtual network	Contains a subnet named Subnet1
Subnet1	Virtual subnet	Part of VNet1
VM1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

You need to associate Gateway 1 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:



Correct Answer:

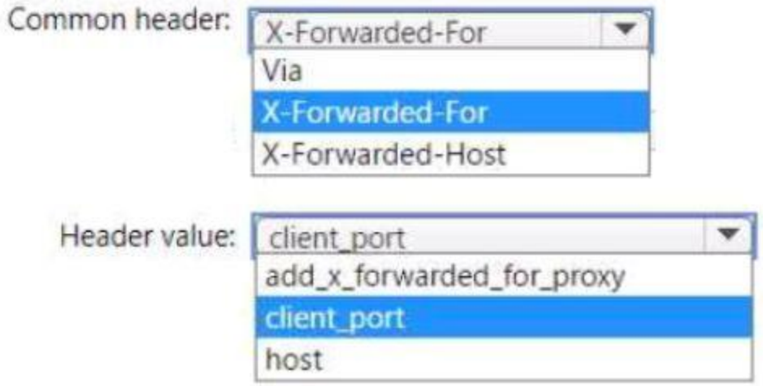


Section:
Explanation:
Diassociate PIP1 from NIC1.
Change Assignment to Dynamic for PIP1.
Associate PIP1 to NIC1.

QUESTION 57
HOTSPOT
You have an Azure application gateway.
You need to create a rewrite rule that will remove the origin port from the HTTP header of incoming requests that are being forwarded to the backend pool.
How should you configure each setting? To answer, select the appropriate options in the answer area.
NOTE: Each correct selection is worth one point.

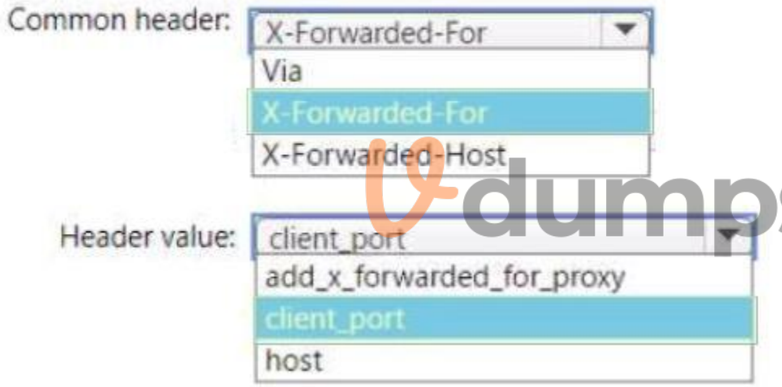
Hot Area:

Answer Area



Answer Area:

Answer Area



Section:
Explanation:

QUESTION 58
HOTSPOT
Your on-premises network contains the subnets shown in the following table.

Name	IPv4 network address
Subnet1	192.168.10.0/24
Subnet2	192.168.20.0/24

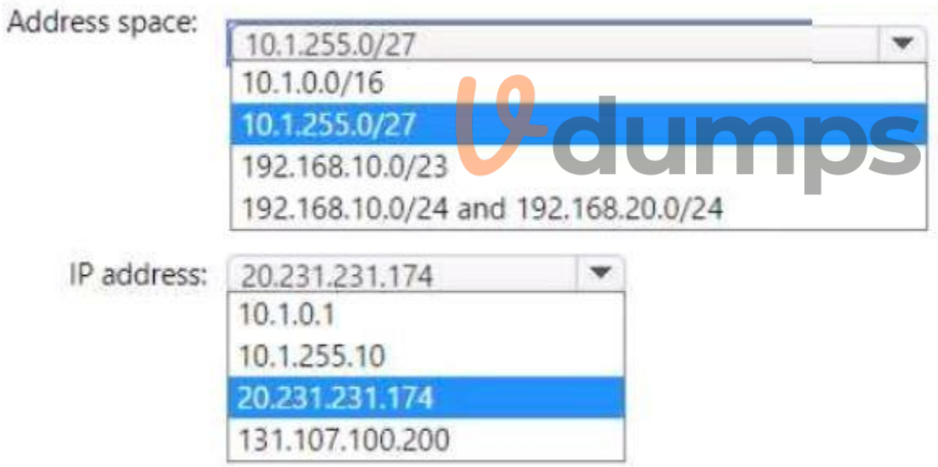
The network contains a firewall named FW1 that uses a public IP address of 131.107.100.200.
You have an Azure subscription that contains the resources shown in the following table.

Name	Type	Description
VNet1	Virtual network	Uses an address space of 10.1.0.0/16
GW1	Virtual network gateway	• Uses a public IP address of 20.231.231.174 • Uses a private IP address of 10.1.255.10
GatewaySubnet	Subnet	Uses an address space of 10.1.255.0/27
LNG1	Local network gateway	*None*

You plan to configure a Site-to-Site (S2S) VPN named VPN1 that will connect GW1 to FW1.
You need to configure LNG1 to support VPN1. The solution must meet the following requirements:
* Ensure that the resources on Subnet1 and Subnet2 can communicate with the resources on VNe1l.
* Minimize administrative effort.
How should you configure LNG1? To answer, select the appropriate options in the answer area. NOTE: Each correct selection is worth one point.

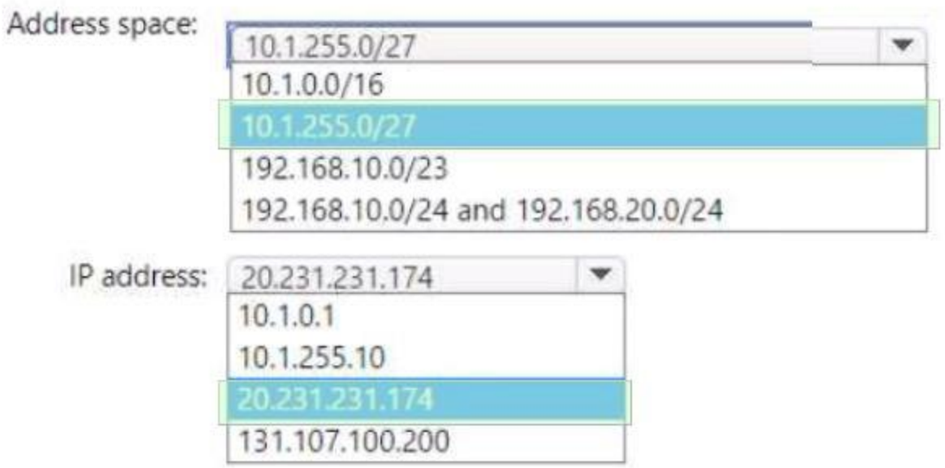
Hot Area:

Answer Area



Answer Area:

Answer Area



Section:
Explanation:

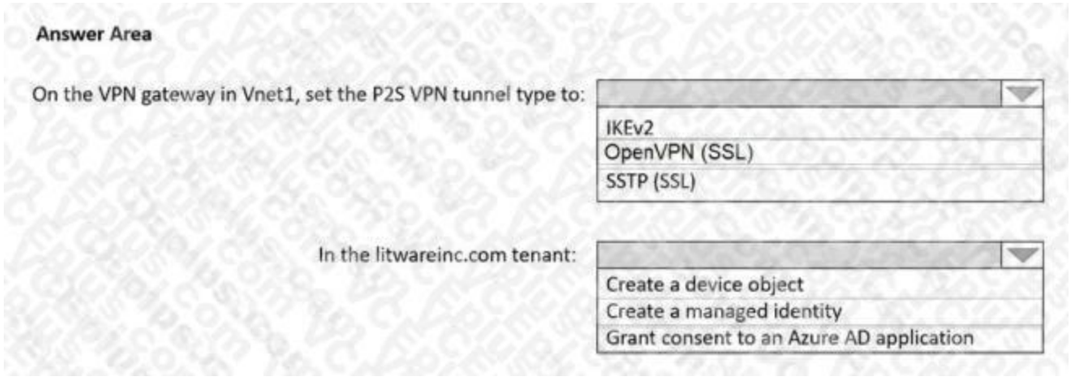
QUESTION 59
Note: This question is part of a series of questions that present the same scenario. Each question in the series contains a unique solution that might meet the stated goals. Some question sets might have more than one correct solution, while others might not have a correct solution.
After 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 an Azure Front Door Premium profile named AFD1 and an Azure Web Application Firewall (WAF) policy named WAF1. AFD1 is associated with WAF1.
You need to configure a rate limit for incoming requests to AFD1.
Solution: You configure a managed rule for WAF1.
Does this meet the goal?

A. Yes
B. No

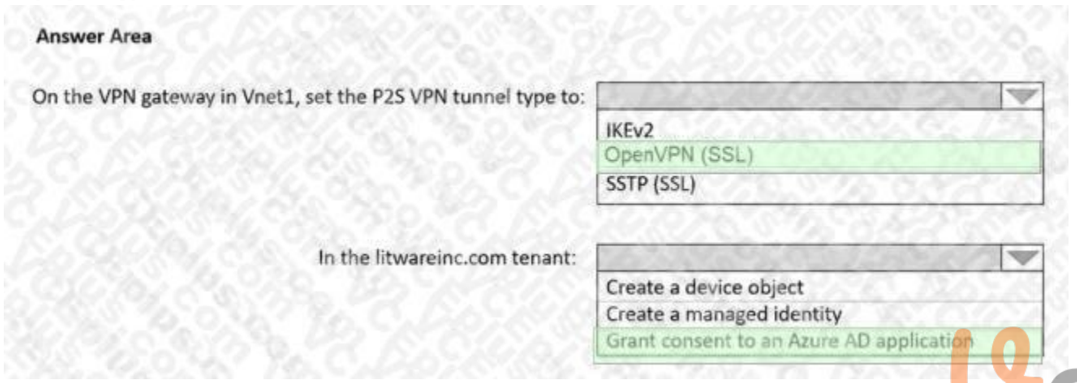
Correct Answer: B
Section:

QUESTION 60
HOTSPOT
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.

Hot Area:

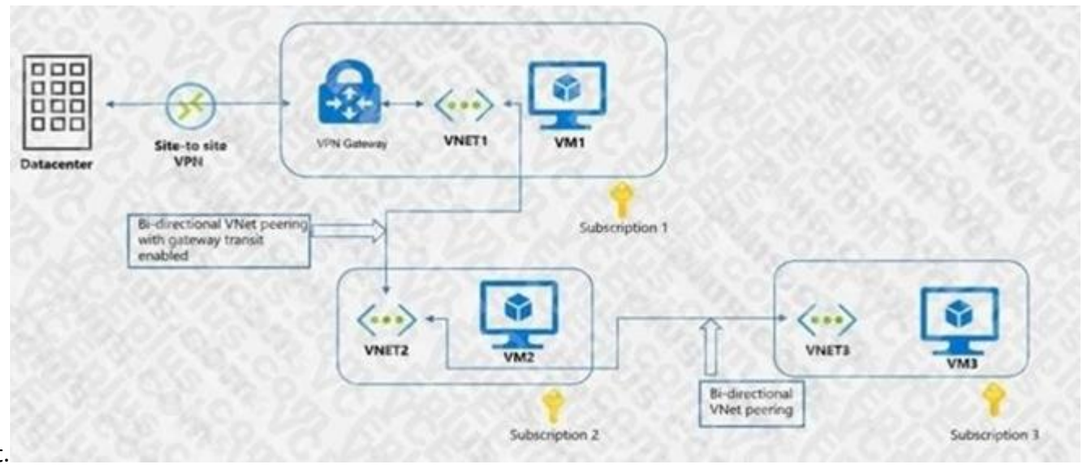


Answer Area:



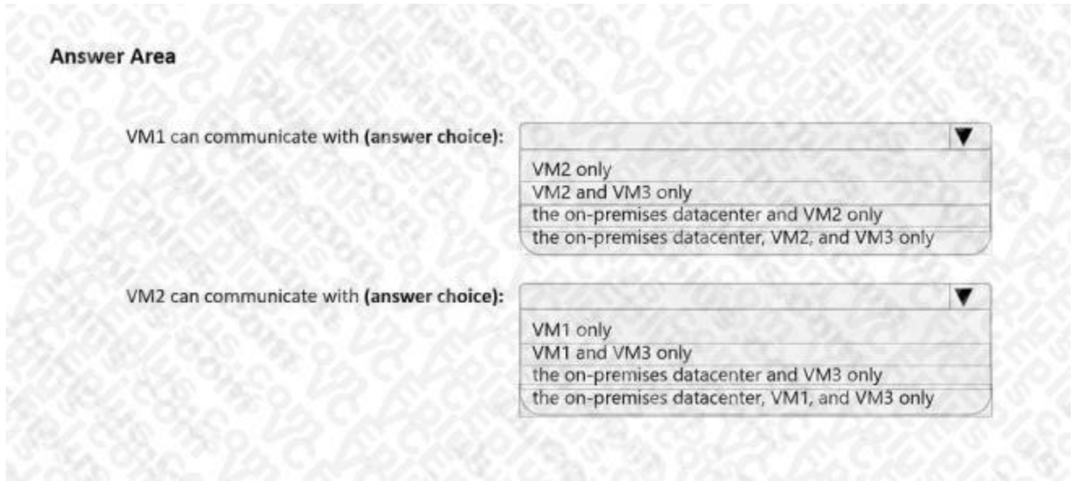
Section:
Explanation:
Reference: https://docs.microsoft.com/en-us/azure/vpn-gateway/openvpn-azure-ad-tenant

QUESTION 61
HOTSPOT

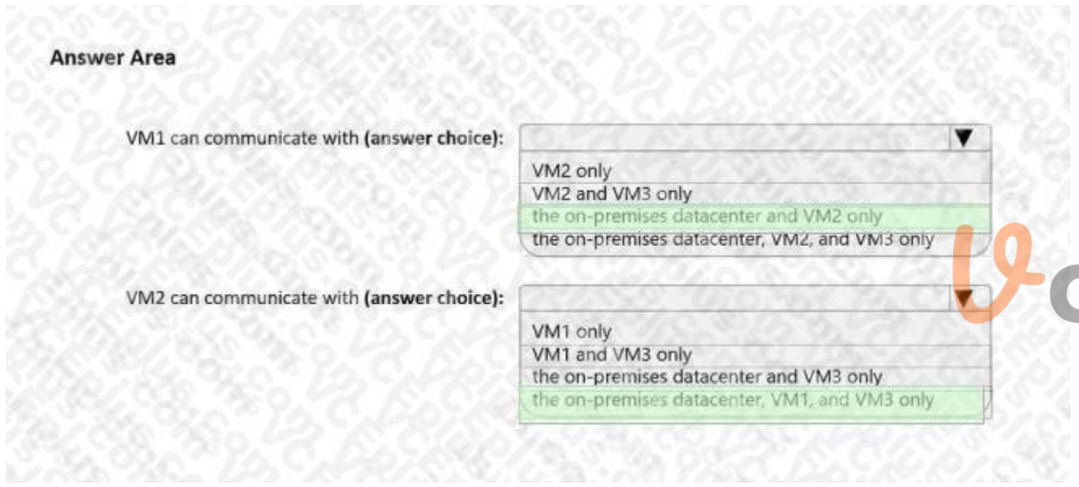


You have an Azure environment shown in the following exhibit.
Use the drop-down menus to select the answer choice that completes each statement based on the information presented in the graphic.

Hot Area:



Answer Area:



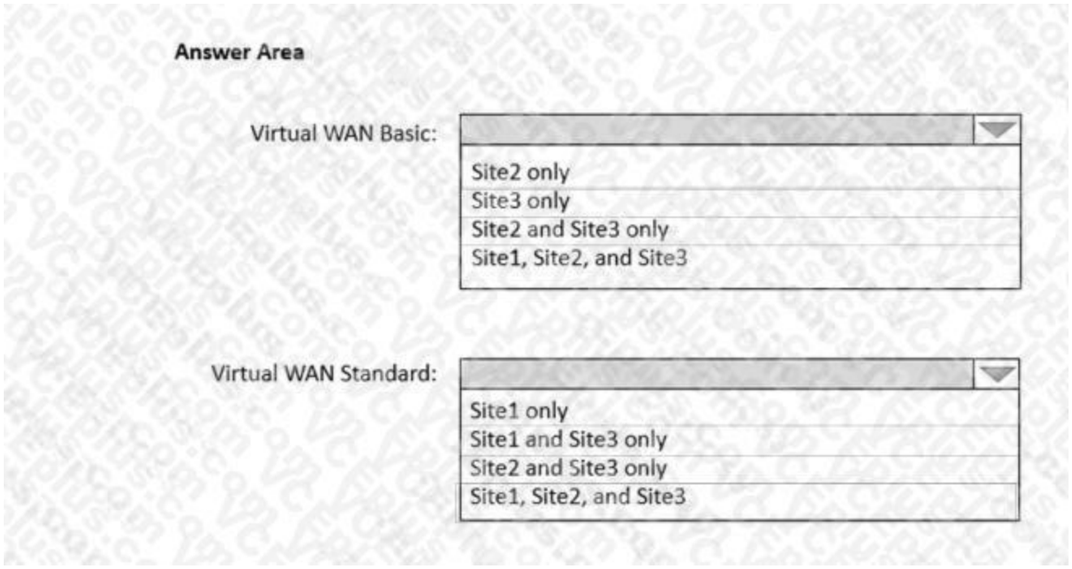
Section:
Explanation:
Reference: https://docs.microsoft.com/en-us/azure/vpn-gateway/vpn-gateway-peering-gateway-transit?toc=/azure/virtualnetwork/toc.json

QUESTION 62
HOTSPOT
You have an Azure subscription.
You have the on-premises sites shown the following table.

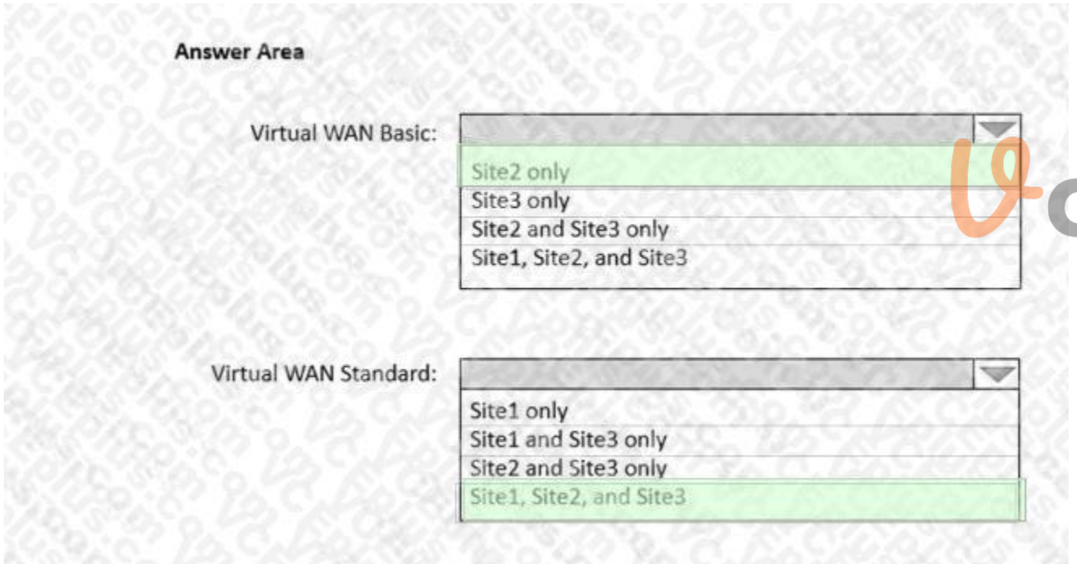
Number	Number of users	Connection type to Azure
Site 1	500	ExpressRoute
Site 2	100	Site-to-Site VPN
Site 3	1	Point-to-Site (P2S) VPN

You plan to deploy Azure Virtual WAN.
You are evaluating Virtual WAN Basic and Virtual WAN Standard.
Which type of Virtual WAN can you use for each site? To answer, select the appropriate options in the answer area. NOTE: Each correct selection is worth one point.

Hot Area:



Answer Area:



Section:
Explanation:
Reference: https://docs.microsoft.com/en-us/azure/virtual-wan/virtual-wan-about

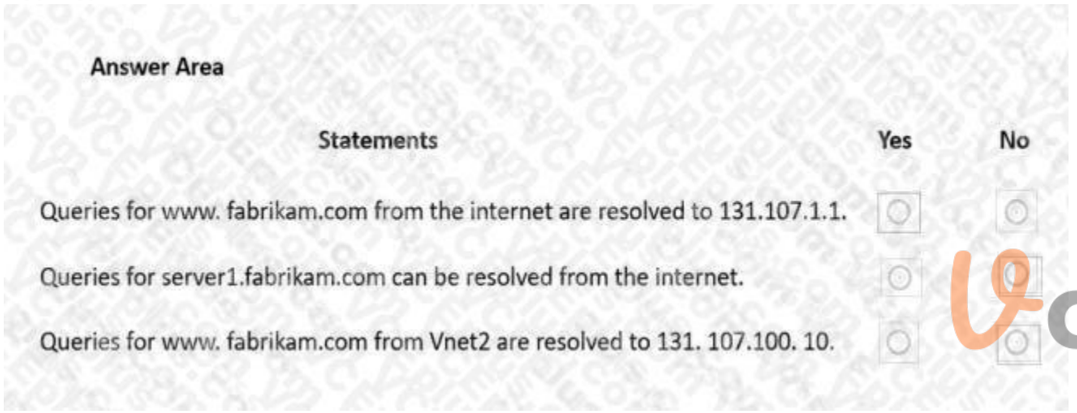
QUESTION 63
HOTSPOT
You have an Azure subscription that contains two virtual networks named Vnet1 and Vnet2.
You register a public DNS zone named fabrikam.com. The zone is configured as shown in the Public DNS Zone exhibit.

You have a private DNS zone named fabrikam.com. The zone is configured as shown in the Private DNS Zone exhibit.

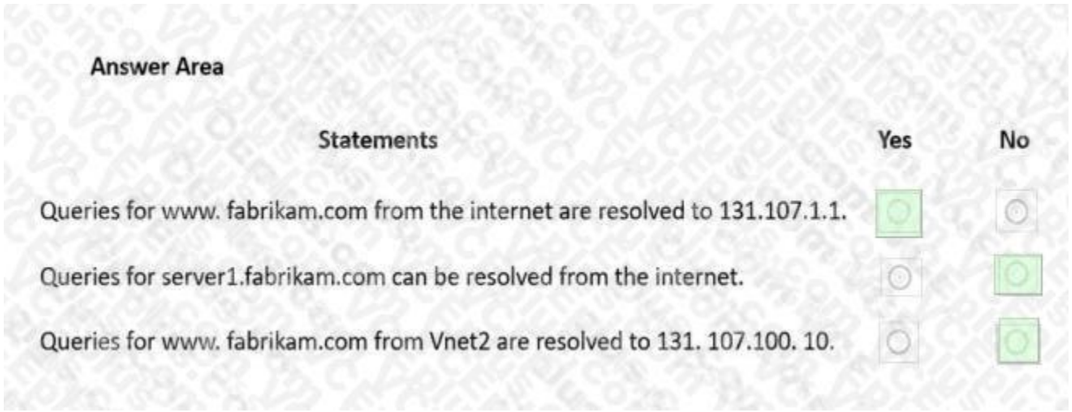
You have a virtual network link configured as shown in the Virtual Network Link exhibit.

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

Hot Area:



Answer Area:

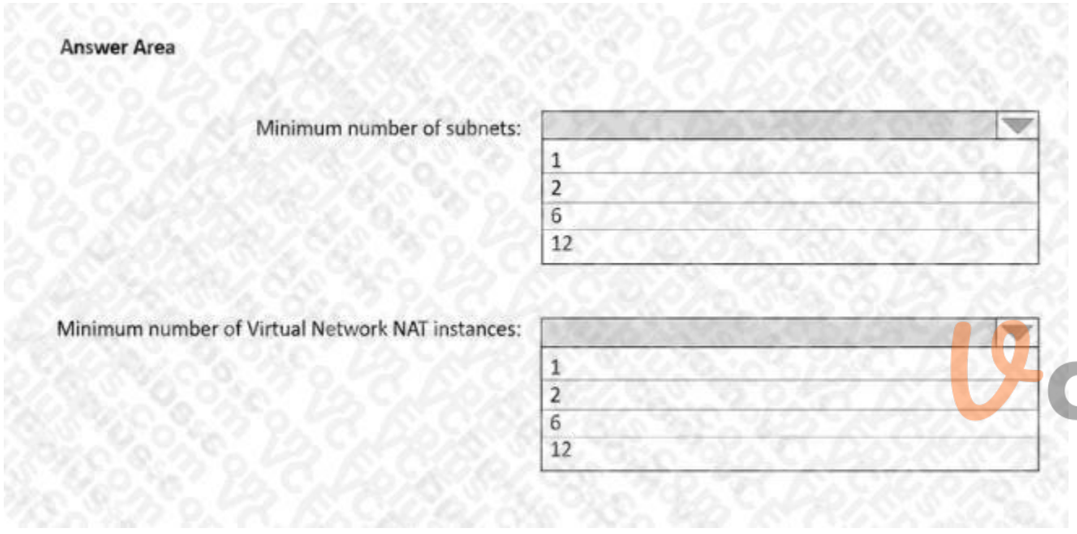


Section:
Explanation:
Box 1: Yes
DNS queries from the internet use the public DNS zone. In the public DNS zone, www.fabrikam.com is a CNAME record that resolves to appservice1.fabrikam.com which resolves to 131.107.1.1.
Box 2: No
DNS queries from the internet use the public DNS zone. There is no DNS record for server1.fabrikam.com in the public DNS zone.
Box 3: No

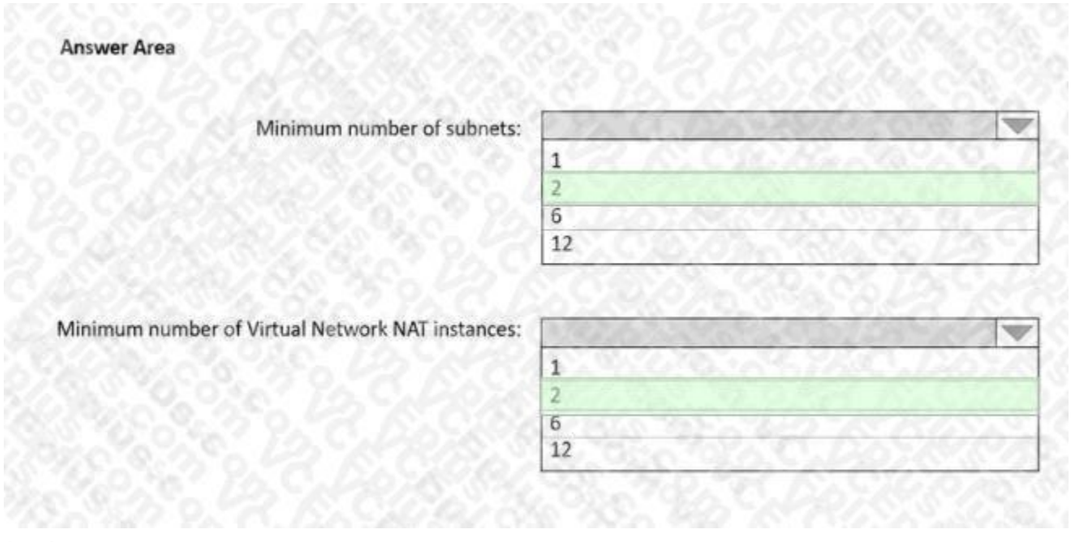
The private DNS zone is linked to VNet1, not VNet2. Therefore, resources in VNet2 cannot query the private DNS zone.

QUESTION 64
HOTSPOT
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 App1 or App2.
What should you identify? To answer, select the appropriate options in the answer area.
NOTE: Each correct selection is worth one point.

Hot Area:



Answer Area:

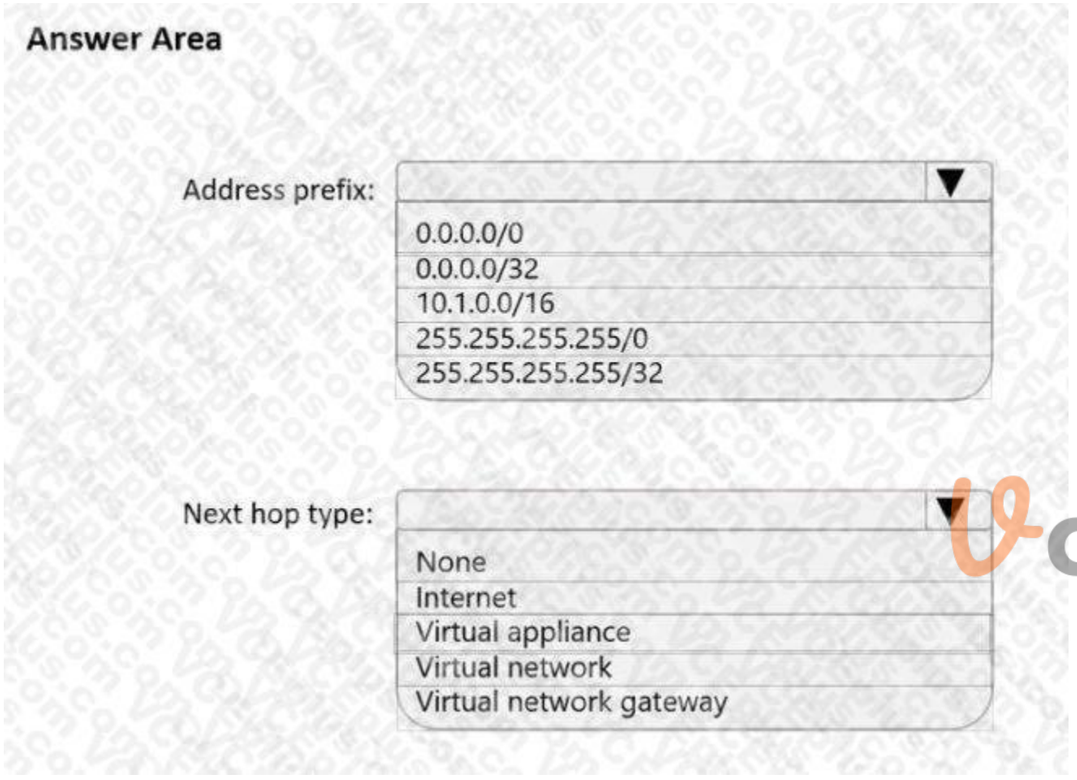


Section:
Explanation:

Reference: https://docs.microsoft.com/en-us/azure/virtual-network/nat-gateway/nat-overview

QUESTION 65
HOTSPOT
You are implementing the virtual network requirements for VM-Analyze.
What should you include in a custom route that is linked to Subnet2? To answer, select the appropriate options in the answer area. NOTE: Each correct selection is worth one point.

Hot Area:



Answer Area:

Answer Area

Address prefix:

- 0.0.0.0/0
- 0.0.0.0/32
- 10.1.0.0/16
- 255.255.255.255/0
- 255.255.255.255/32

Next hop type:

- None
- Internet
- Virtual appliance
- Virtual network
- Virtual network gateway

Section:
Explanation:
https://docs.microsoft.com/en-us/azure/virtual-network/virtual-networks-udr-overview

QUESTION 66
HOTSPOT
You have an Azure subscription that contains the route tables and routes shown in the following table.

Route table name	Route name	Prefix	Destination
RT1	Default Route	0.0.0.0/0	VirtualNetworkGateway
RT2	Default Route	0.0.0.0/0	Internet

The subscription contains the subnets shown in the following table.

Name	Prefix	Route table	Virtual network
Subnet1	10.10.1.0/24	RT1	Vnet1
Subnet2	10.10.2.0/24	RT2	Vnet1
GatewaySubnet	10.10.3.0/24	None	Vnet1

The subscription contains the virtual machines shown in the following table.

Name	IP address
VM1	10.10.1.5
VM2	10.10.2.5

There is a Site-to-Site VPN connection to each local network gateway.
For each of the following statements, select Yes of the statement is true. Otherwise, select No.
NOTE: Each correct selection is worth one point.

Hot Area:

Answer Area

Statements	Yes	No
Traffic from VM2 to the internet is routed through the New-York Site-to-Site VPN connection	○	○
Traffic from VM1 to VM2 is routed through the New-York Site-to-Site VPN connection	○	○
Traffic from VM1 to the internet is routed through the New-York Site-to-Site VPN connection	○	○

Answer Area:

Answer Area

Statements	Yes	No
Traffic from VM2 to the internet is routed through the New-York Site-to-Site VPN connection	○	○
Traffic from VM1 to VM2 is routed through the New-York Site-to-Site VPN connection	○	○
Traffic from VM1 to the internet is routed through the New-York Site-to-Site VPN connection	○	○

Section:

Explanation:

Reference: https://docs.microsoft.com/en-us/azure/virtual-network/virtual-networks-udr-overview

QUESTION 67

HOTSPOT

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.

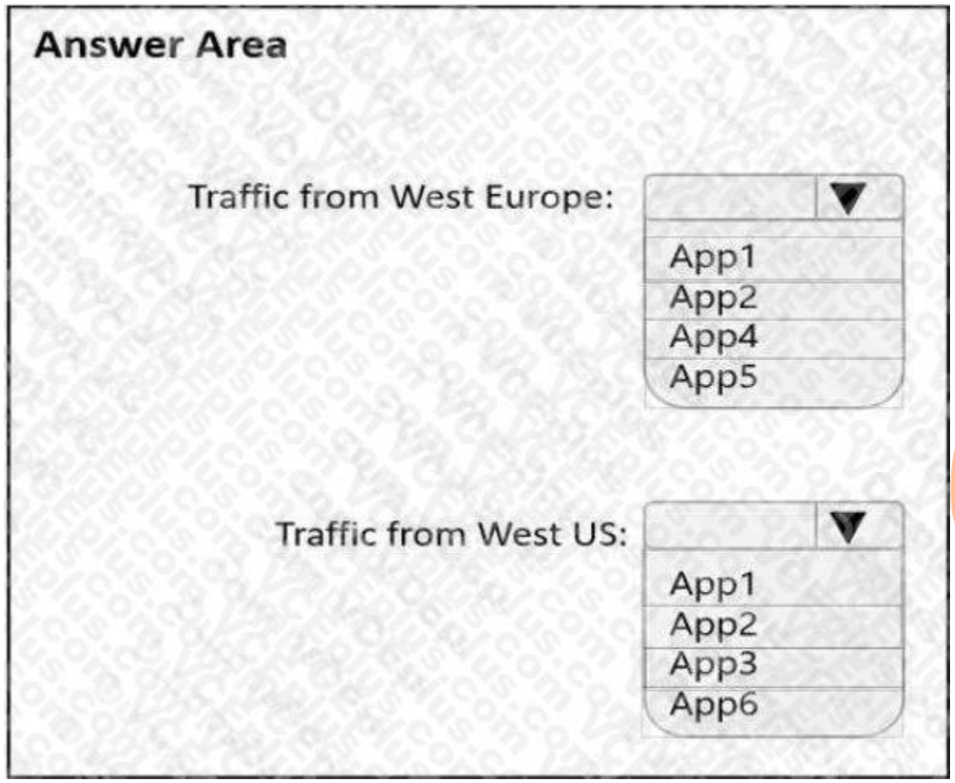
Name	Location	Weight
App4	West Europe	99
App5	West Europe	1

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

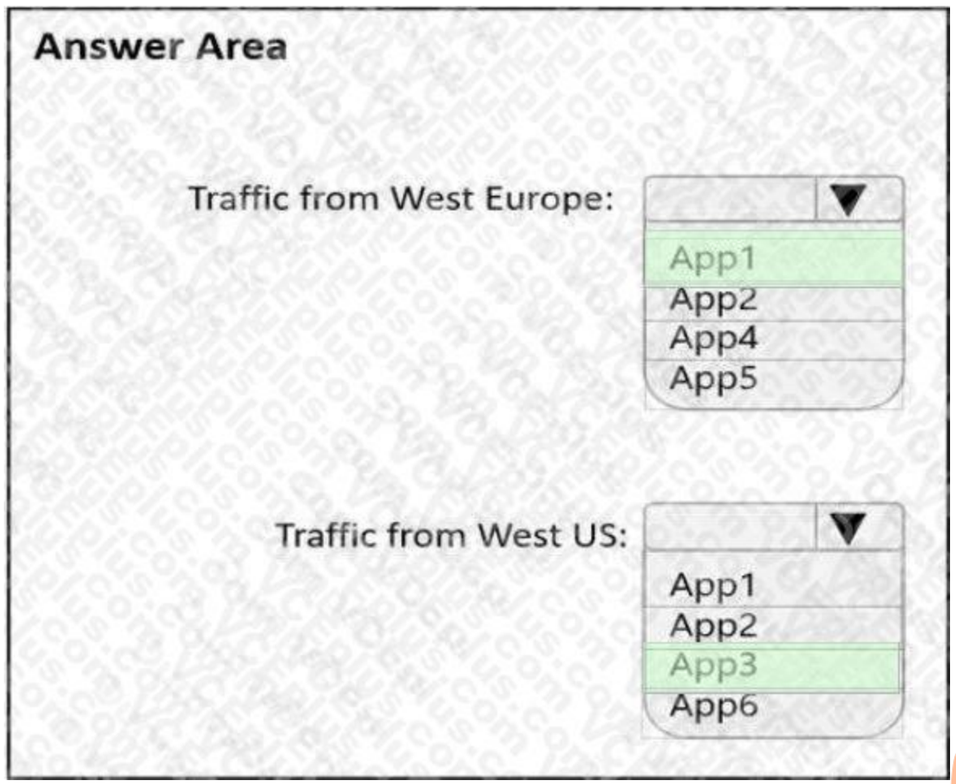
Name	Location
App6	West US
App2	East US

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

Hot Area:



Answer Area:



Section:
Explanation:
Reference: https://docs.microsoft.com/en-us/azure/traffic-manager/traffic-manager-nested-profiles

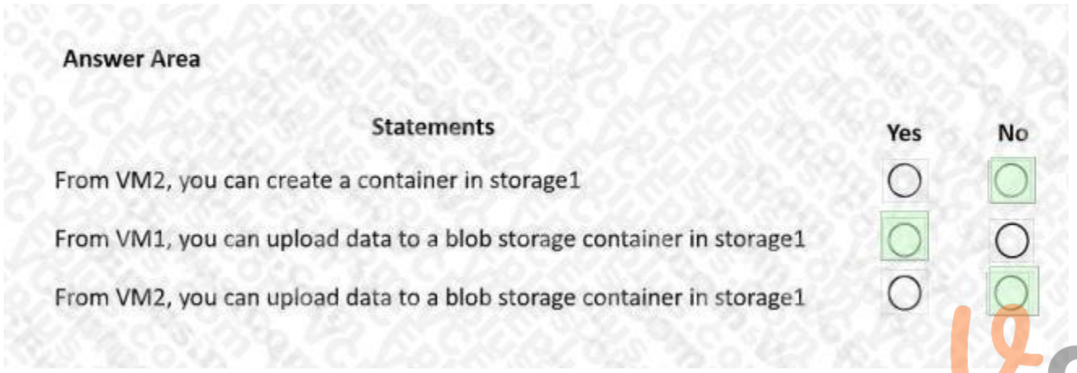
QUESTION 68
HOTSPOT
You have an Azure subscription that contains the virtual machines shown in the following table.

Name	Connected to
VM1	Vnet1/Subnet1
VM2	Vnet1/Subnet2

Subnet1 and Subnet2 are associated to a network security group (NSG) named NSG1 that has the following outbound rule:
Priority: 100
Port: Any
Protocol: Any
Source: Any
Destination: Storage Action: Deny
You create a private endpoint that has the following settings:
Name: Private1
Resource type: Microsoft.Storage/storageAccounts
Resource: storage1
Target sub-resource: blob
Virtual network: Vnet1 Subnet: Subnet1
For each of the following statements, select Yes of the statement is true. Otherwise, select No.
NOTE: Each correct selection is worth one point.

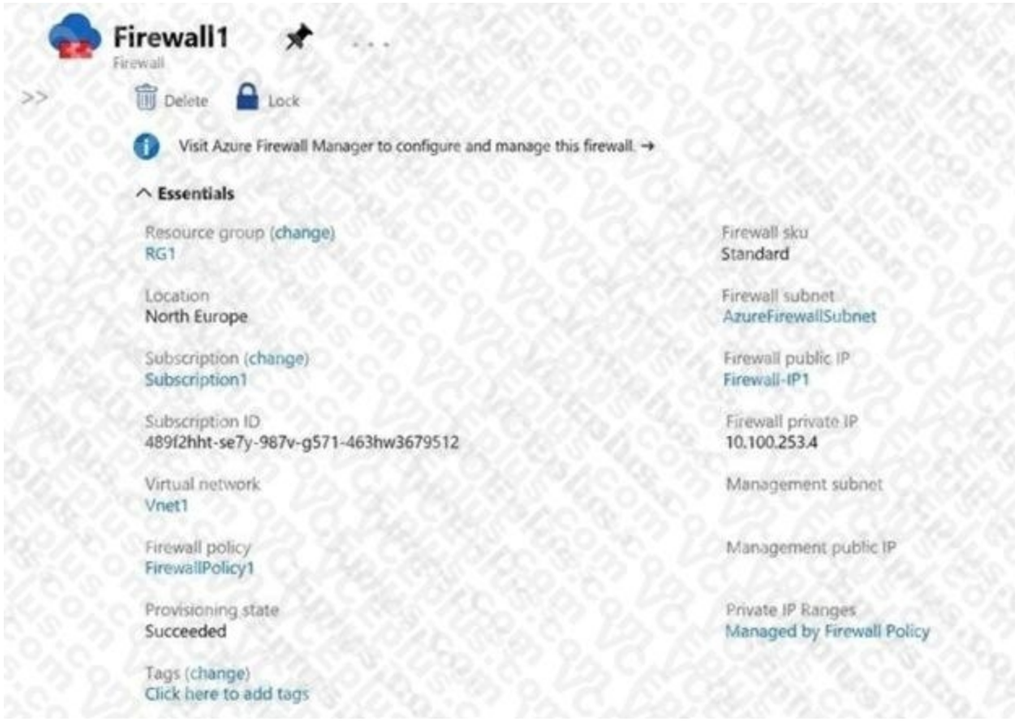
Hot Area:

Answer Area:



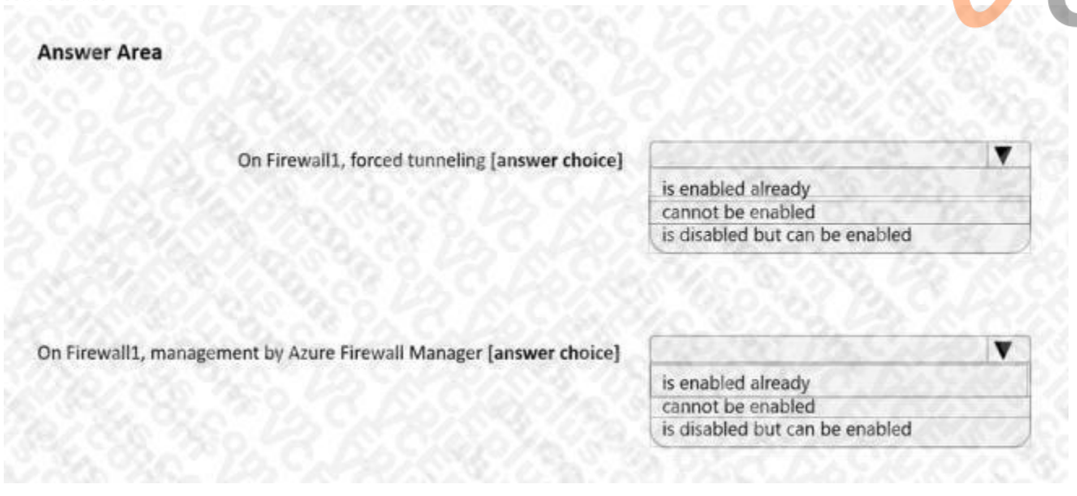
Section:
Explanation:
Reference: https://docs.microsoft.com/en-us/azure/private-link/disable-private-endpoint-network-policy

QUESTION 69
HOTSPOT
You have an Azure firewall 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.

Hot Area:



Answer Area:

Section:
Explanation:
Box 1:
If forced tunneling was enabled, the Firewall Subnet would be named AzureFirewallManagementSubnet. Forced tunneling can only be enabled during the creation of the firewall. It cannot be enabled after the firewall has been deployed. Box 2:
The "Visit Azure Firewall Manager to configure and manage this firewall" link in the exhibit shows that the firewall is managed by Azure Firewall Manager.

QUESTION 70
HOTSPOT
You have an Azure application gateway named AppGW1 that provides access to the following hosts: www.adatum.com www.contoso.com www.fabrikam.com AppGW1 has the listeners shown in the following table.

Name	Frontend IP address	Type	Host name
Listen1	Public	Multi site	www.contoso.com
Listen2	Public	Multi site	www.fabrikam.com
Listen3	Public	Multi site	www.adatum.com

You create Azure Web Application Firewall (WAF) policies for AppGW1 as shown in the following table.

Name	Policy mode	Custom rule		
		Priority	Condition	Association
Policy1	Prevention	50	If IP address does contain 131.107.10.15 then deny traffic.	Application gateway: AppGW1
Policy2	Detection	10	If IP address does contain 131.107.10.15 then allow traffic.	HTTP listener: Listen1
Policy3	Prevention	70	If IP address does contain 131.107.10.15 then allow traffic.	HTTP listener: Listen2

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

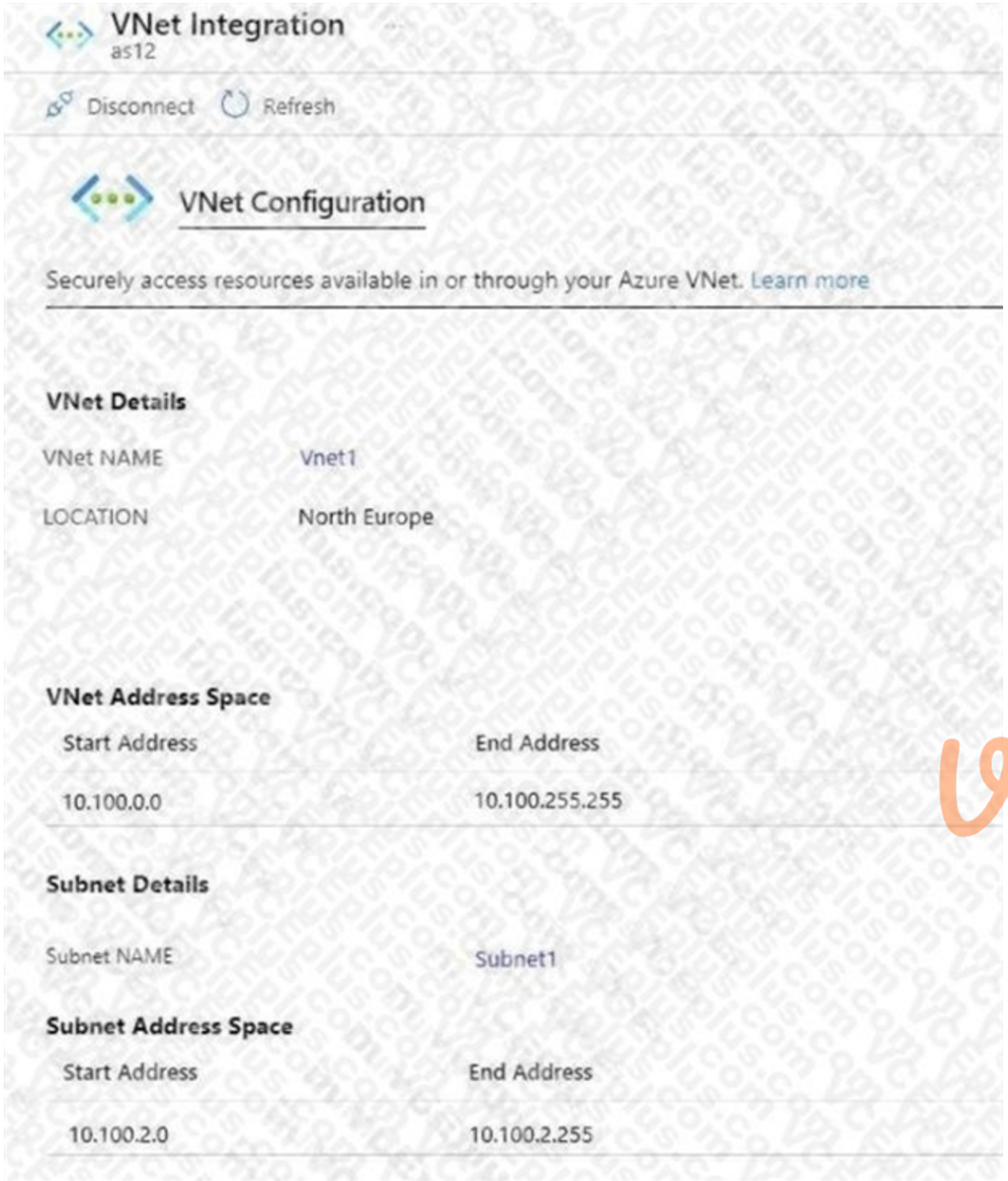
Hot Area:

Answer Area:

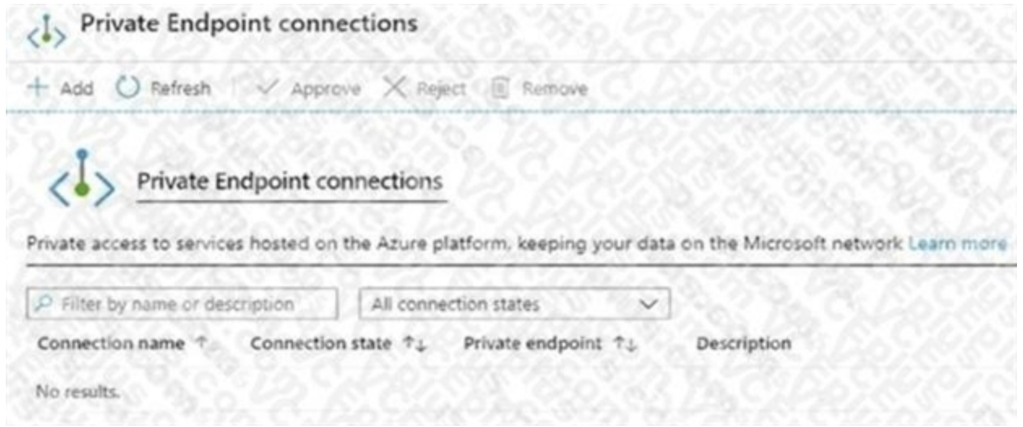
Section:
Explanation:
Reference: https://docs.microsoft.com/en-us/azure/web-application-firewall/ag/per-site-policies

QUESTION 71
HOTSPOT
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.

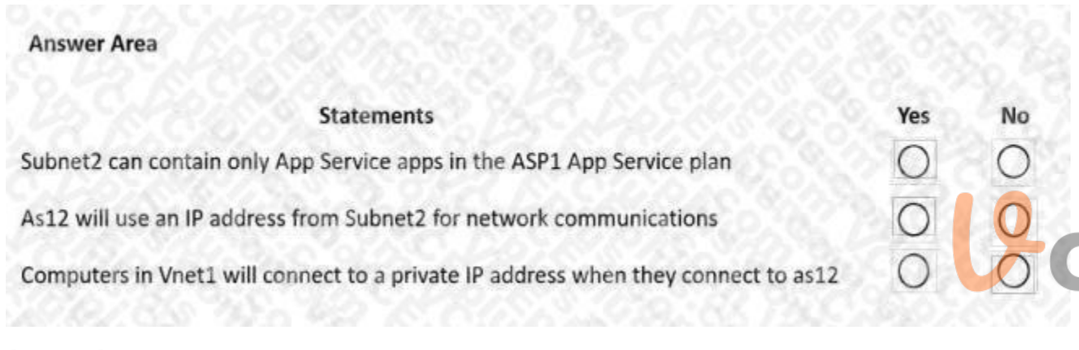


The Private Endpoint connections settings for as12 are configured as shown in the Private Endpoint connections exhibit.

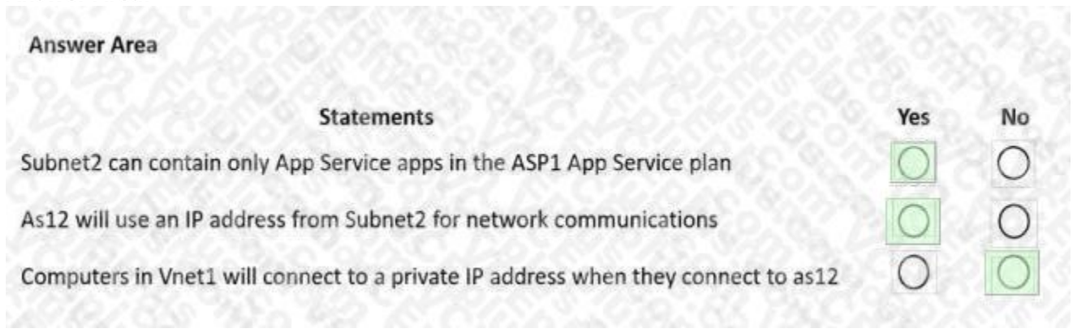


For each of the following statements, select Yes of the statement is true. Otherwise, select No.
NOTE: Each correct selection is worth one point.

Hot Area:



Answer Area:

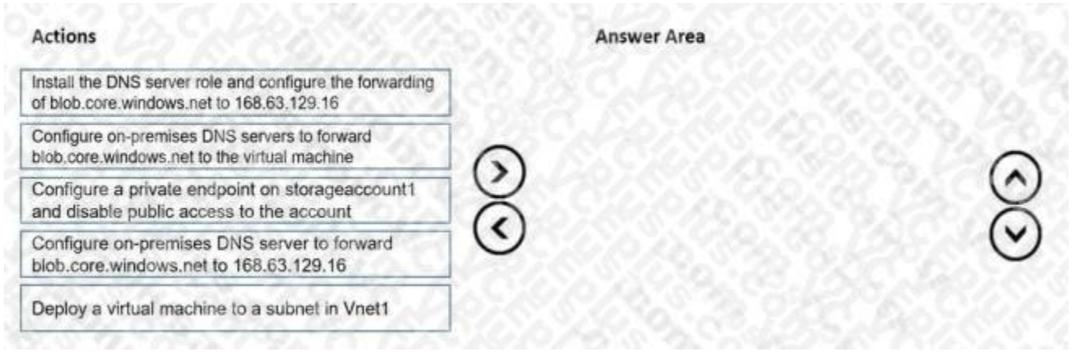


Section:
Explanation:
Reference: https://docs.microsoft.com/en-us/azure/app-service/web-sites-integrate-with-vnet

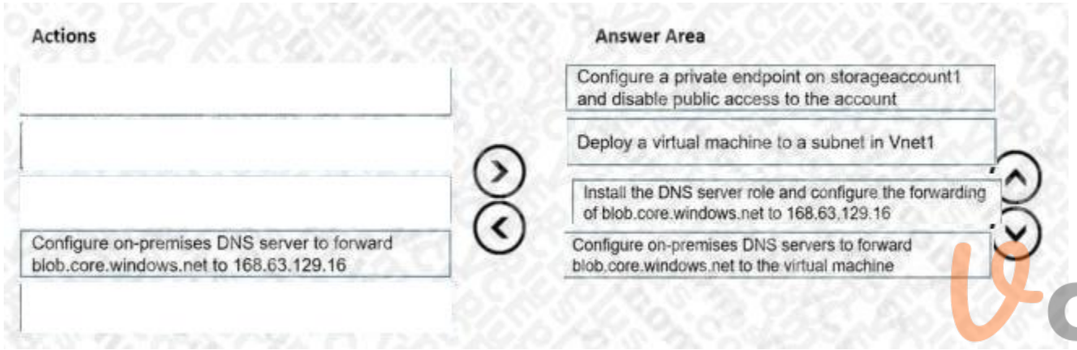
QUESTION 72
DRAG DROP
You have an Azure virtual network named Vnet1 that connects to an on-premises network.
You have an Azure Storage account named storageaccount1 that contains blob storage.
You need to configure a private endpoint for the blob storage. The solution must meet the following requirements:
Ensure that all on-premises users can access storageaccount1 through the private endpoint. Prevent access to storageaccount1 from being interrupted. 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.

Select and Place:



Correct Answer:



Section:
Explanation:
168.63.129.16 is the IP address of Azure DNS which hosts Azure Private DNS zones. It is only accessible from within a VNet which is why we need to forward on-prem DNS requests to the VM running DNS in the VNet. The VM will then forward the request to Azure DNS for the IP of the storage account private endpoint.
Reference: https://docs.microsoft.com/en-us/azure/storage/common/storage-private-endpoints

QUESTION 73
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: D
Section:
Explanation:

QUESTION 74
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

Correct Answer: B
Section:

QUESTION 75
You have two Azure App Service instances that host the web apps shown the following table.

Name	Web app URLs
As1.contoso.com	https://app1.contoso.com/ https://app2.contoso.com/
As2.contoso.com	https://app3.contoso.com/ https://app4.contoso.com/

You deploy an Azure application gateway that has one public frontend IP address and two backend pools. You need to publish all the web apps to the application gateway. Requests must be routed based on the HTTP host headers. What is the minimum number of listeners and routing rules you should configure? To answer, select the appropriate options in the answer area. NOTE: Each correct selection is worth one point.

Answer Area

Listeners: 1

Routing rules: 1

A. 1, 2

Correct Answer: A
Section:

QUESTION 76
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

Correct Answer: D
Section:

QUESTION 77
HOTSPOT
You configure a route table named RT1 that has the routes shown in the following table.

Name	Prefix	Next hop type	Next hop IP address
Route1	0.0.0.0/0	Network virtual appliance (NVA)	192.168.0.4
Route2	10.0.0.0/24	Network virtual appliance (NVA)	192.168.0.4

You have an Azure virtual network named Vnet1 that has the subnets shown in the following table.

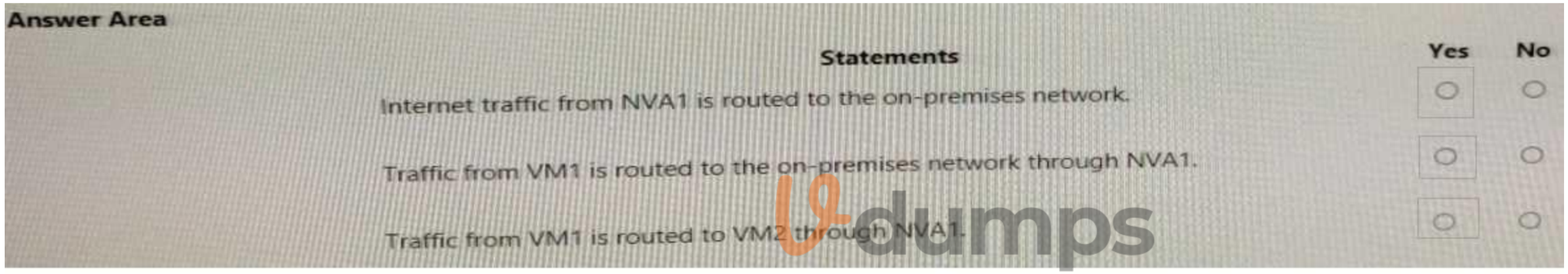
Name	Prefix	Route table
DMZ	192.168.0.0/24	None
FrontEnd	192.168.1.0/24	RT1
BackEnd	192.168.2.0/24	None

You have the resources shown in the following table.

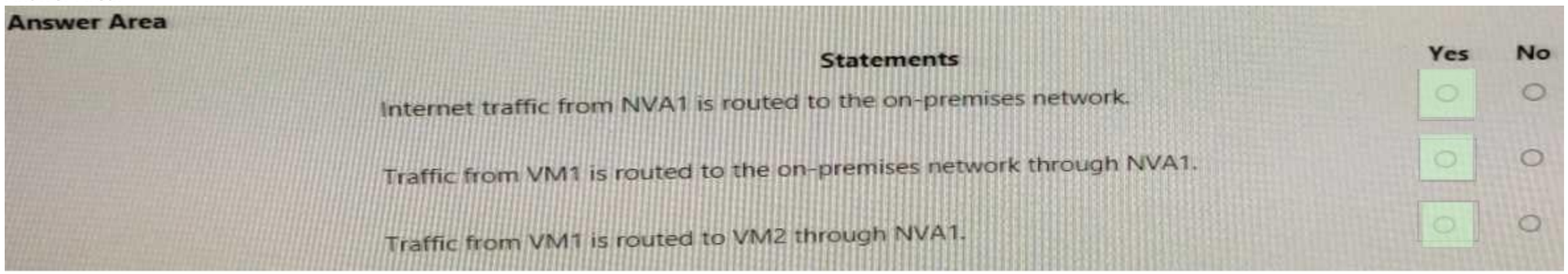
Name	IP address	Type
NVA1	192.168.0.4	NVA
VM1	192.168.1.4	Virtual machine
VM2	192.168.2.4	Virtual machine

Vnet1 connects to an ExpressRoute circuit. The on-premises router advertises the following routes:
* 0.0.0.0/0
* 10.0.0.0/16
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:

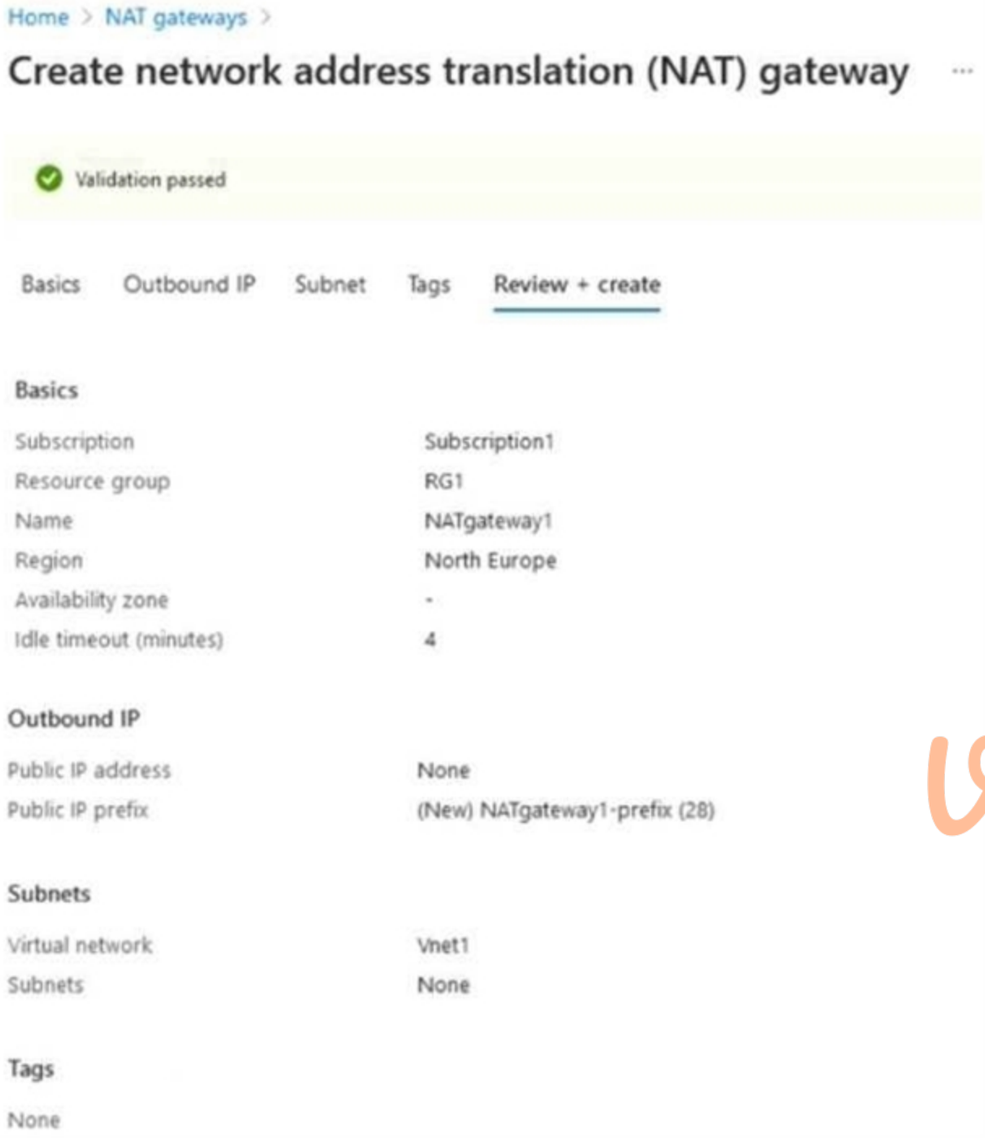


Answer Area:



Section:
Explanation:

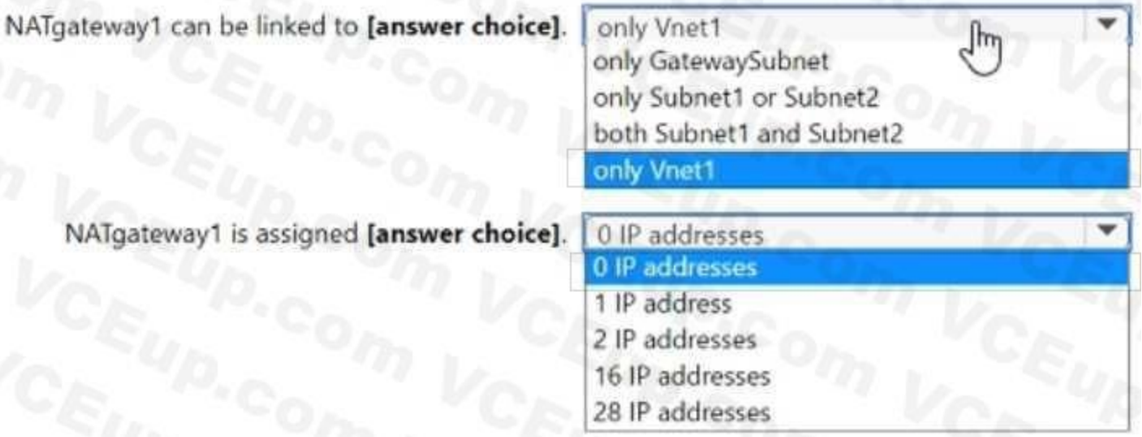
QUESTION 78
HOTSPOT
You have an Azure virtual network named Vnet1 that contains two subnets named Subnet1 and Subnet2. Both subnets contain virtual machines. You create a NAT gateway named NATgateway1 as shown in the following exhibit.



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.

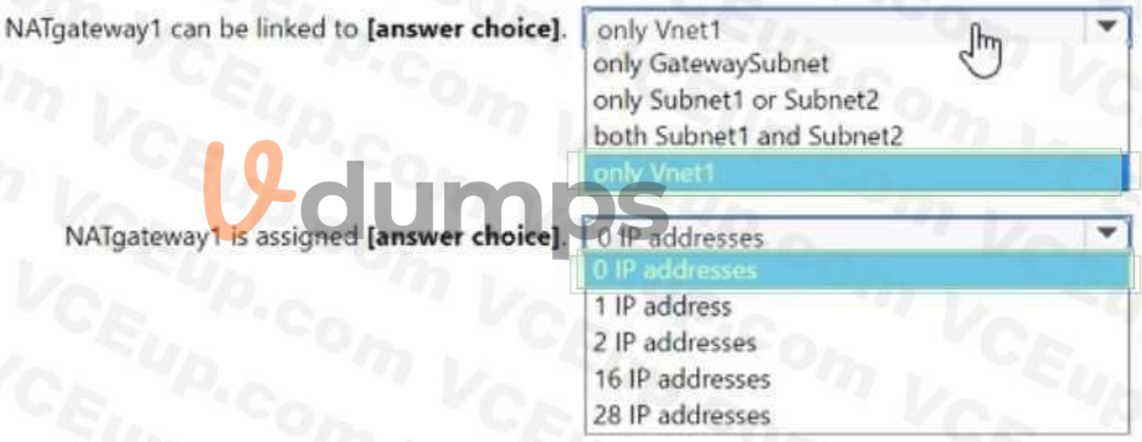
Hot Area:

Answer Area



Answer Area:

Answer Area



Section:
Explanation:

QUESTION 79
HOTSPOT
You have an Azure subscription that contains a virtual network named VNet1. VNet1 contains the resources shown in the following table.

Name	Type	Description
AG1	Azure Application Gateway	Will automatially scale up to three instances
VMSS1	Virtual machine scale set	Consists of four virtual machines that run an app named App1

You need to publish App1 by using AG1 and a URL of https://app1.contoso.com. The solution must meet the following requirements:
• TLS connections must terminate on AG1.
• Minimize the number of targets in the backend pool of AG1.
• Minimize the number of deployed copies of the SSL certificate of App1.
How many locations should you import to the certificate, and how many targets should you add to the backend pool of AG1? To answer, select the appropriate options in the answer area.
NOTE: Each correct selection is worth one point.

Hot Area:

Answer Area

Answer Area:

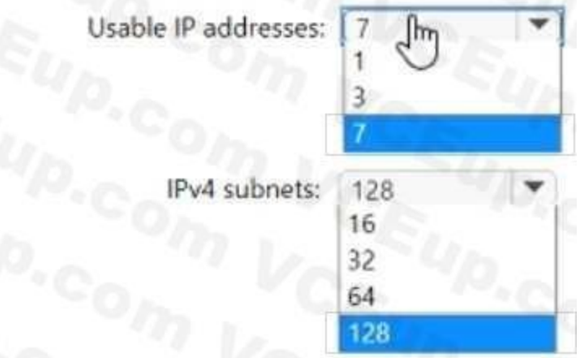
Answer Area

Section:
Explanation:

QUESTION 80
HOTSPOT
You have an Azure subscription that contains a virtual network named Vnetl. Vnetl has a /24 IPv4 address space. You need to subdivide Vnet1. The solution must maximize the number of usable subnets.
What is the maximum number of IPv4 subnets you can create, and how many usable IP addresses will be available per subnet? To answer, select the appropriate options in the answer area. NOTE: Each correct selection is worth one point.

Hot Area:

Answer Area



Answer Area:

Answer Area

Section:
Explanation:

QUESTION 81
You have a network security group named NSG1.
You need to enable network security group (NSG) flow logs for NSG1. The solution must support retention policies. What should you create first?

A. A standard general-purpose v2 Azure Storage account
B. An Azure Log Analytics workspace
C. A premium Block blobs Azure Storage account
D. A standard general-purpose v1 Azure Storage account

Correct Answer: A
Section:

QUESTION 82
You have an Azure subscription that contains the resources shown in the following table.

Name	Type	Description
VNet1	Virtual network	Contains a subnet named Subnet1
storage1	Storage account	*None*
VM1	Virtual machine	Linked to Subnet1
VM2	Virtual machine	Linked to Subnet1

You need to ensure that VM1 and VM2 can connect only to storage1. The solution must meet the following requirements:
• Prevent VM1 and VM2 from accessing any other storage accounts.
• Ensure that storage1 is accessible from the internet.
What should you use?

A. a network security group (NSG)
B. a private endpoint
C. a private link
D. a service endpoint policy

Correct Answer: D
Section:

QUESTION 83
Your company has five offices. Each office has a firewall device and a local internet connection. The offices connect to a third-party SD-WAN. You have an Azure subscription that contains a virtual network named Vnet1. Vnet1 contains a virtual network gateway named Gateway1. Each office connects to Gateway1 by using a Site-to-Site VPN connection. You need to replace the third-party SD-WAN with an Azure Virtual WAN. What should you include in the solution?

A. Delete Gateway1.
B. Create new Point-to-Site (P2S) VPN connections on the firewall devices.
C. Create an Azure Traffic Manager profile.
D. Enable active-active mode on Gateway1.

Correct Answer: B
Section:
Explanation:

QUESTION 84
You have an Azure subscription that contains a virtual network named Vnet1. Vnet1 contains 20 subnets and 500 virtual machines. Each subnet contains a virtual machine that runs network monitoring software.
You have a network security group (NSG) named NSG1 associated to each subnet.
When a new subnet is created in Vnet1, an automated process creates an additional network monitoring virtual machine in the subnet and links the subnet to NSG1.
You need to create an inbound security rule in NS61 that will allow connections to the network monitoring virtual machines from an IP address of 131.107.1.15. The solution must meet the following requirements:
• Ensure that only the monitoring virtual machines receive a connection from 131.107.1.15.
• Minimize changes to NSG1 when a new subnet is created.
What should you use as the destination in the inbound security rule?

A. a virtual network
B. an IP address
C. an application security group
D. a service tag

Correct Answer: C
Section:

QUESTION 85
HOTSPOT
You have an Azure subscription that contains the virtual networks shown in the following table.

Name	Subnet	Peered with
VNet1	Subnet11, Subnet12	VNet2
VNet2	Subnet21	VNet1

The subscription contains the virtual machines shown in the following table.

Name	Connected to	Availability set
VM1	Subnet11	AS1
VM2	Subnet11	AS1
VM3	Subnet12	None
VM4	Subnet21	None

You create a load balancer named LB1 that has the following configurations:
• SKU: Basic
• Type: Internal
• Subnet: Subnetl2
• Virtual network VNet1
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
LB1 can balance requests between VM1 and VM2.	○	○
LB1 can balance requests between VM2 and VM3.	○	○
LB1 can balance requests between VM3 and VM4.	○	○

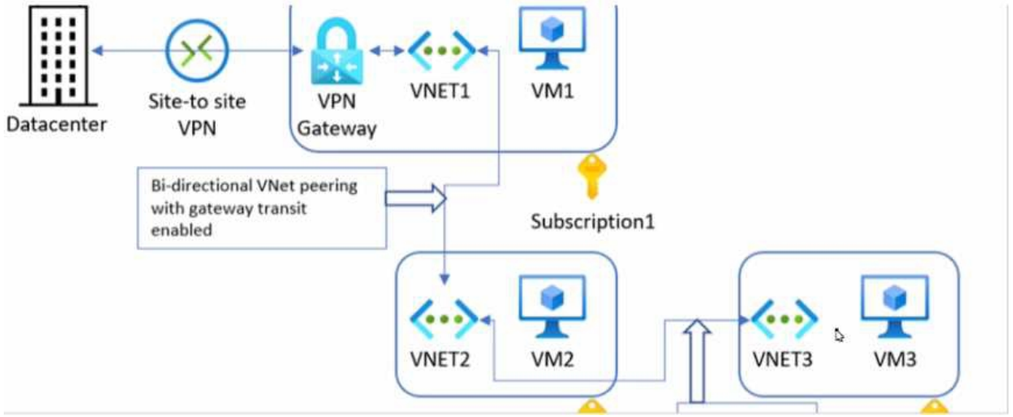
Answer Area:

Answer Area

Statements	Yes	No
LB1 can balance requests between VM1 and VM2.	○	○
LB1 can balance requests between VM2 and VM3.	○	○
LB1 can balance requests between VM3 and VM4.	○	○

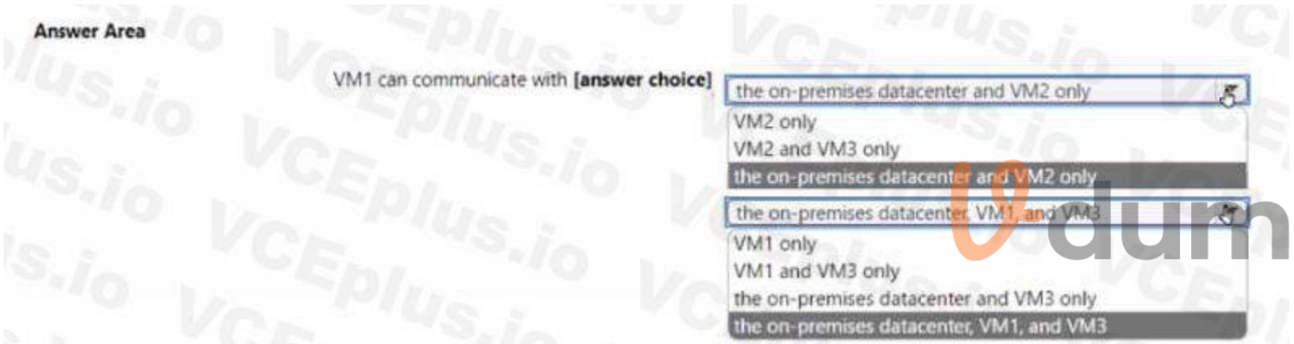
Section:
Explanation:

QUESTION 86
HOTSPOT
You have the Azure environment shown in the following exhibit.

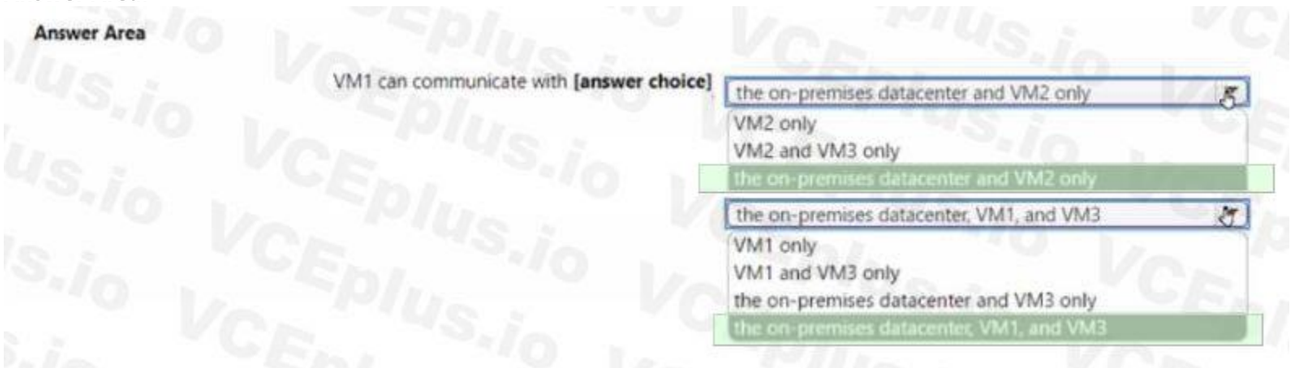


Use the drop-down menus to select the answer choice that completes each statement based on the information presented in the graphic. NOTE: Each correct selection is worth one point.

Hot Area:



Answer Area:



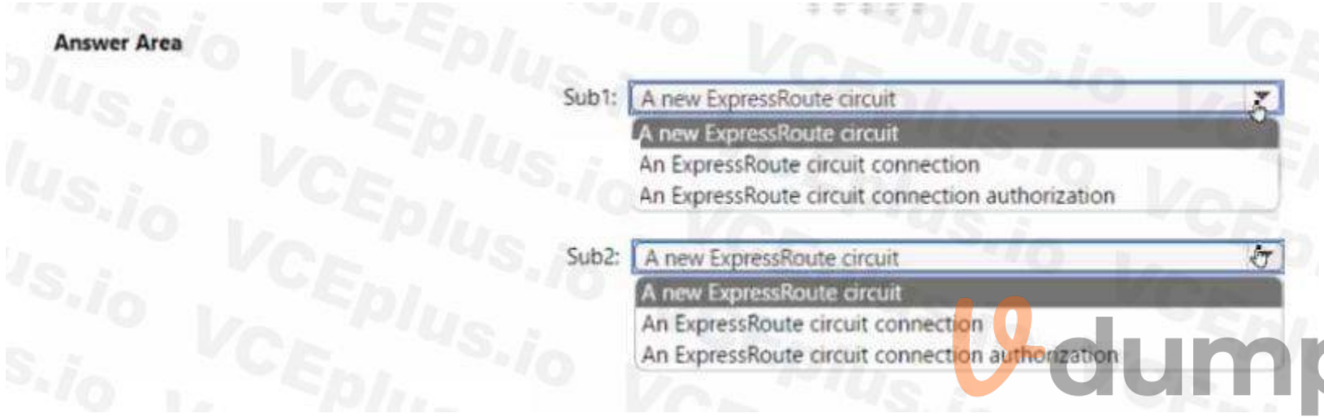
Section:
Explanation:

QUESTION 87
HOTSPOT
You have the Azure resources shown in the following table.

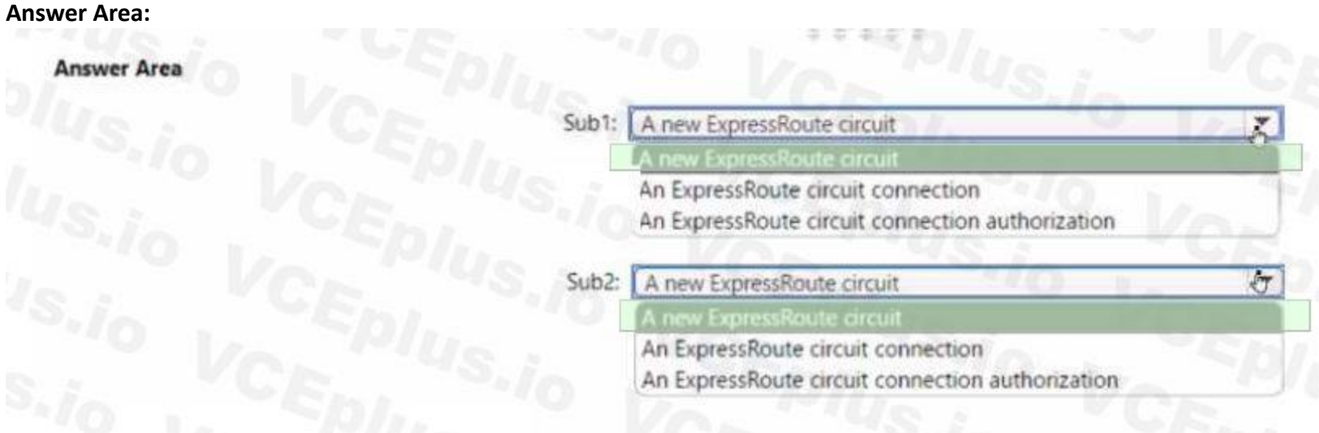
Name	Type	Location	Description
Sub1	Azure subscription	West Europe	*None*
Sub2	Azure subscription	West Europe	*None*
VNet1	Virtual network	West Europe	Created in Sub1
VNet2	Virtual network	West Europe	Created in Sub2
Circuit1	ExpressRoute circuit	West Europe	Linked to VNet1
Gateway1	ExpressRoute gateway	West Europe	Created in VNet1
Gateway2	ExpressRoute gateway	West Europe	Created in VNet2

You need to link VNei2 to Circuit1
What should you create in each subscription? To answer, select the appropriate options in the answer area.
NOTE: Each correct selection is worth one point.

Hot Area:



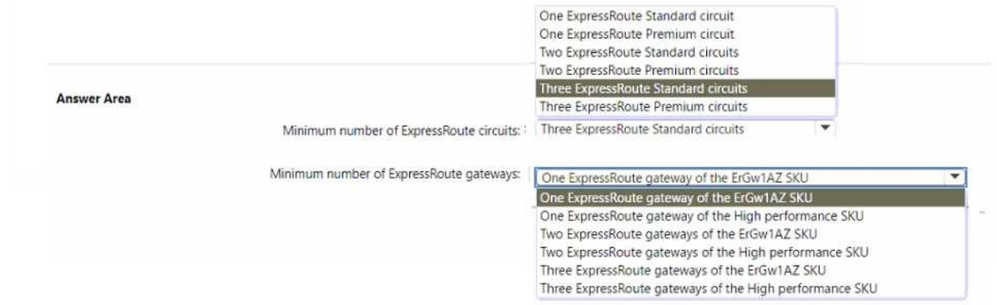
Answer Area:



Section:
Explanation:

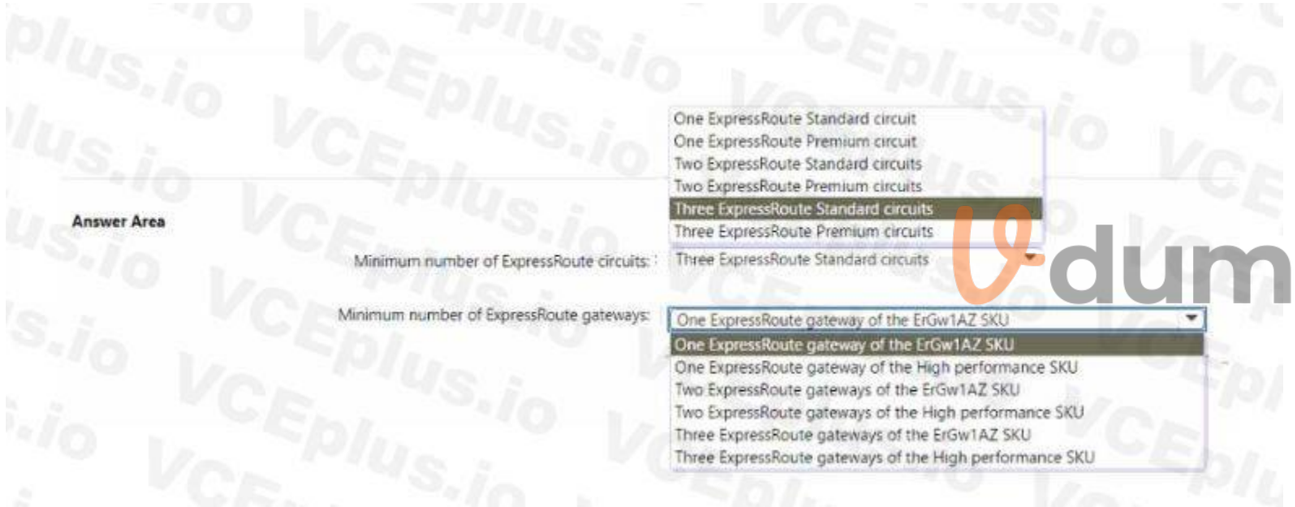
QUESTION 88
HOTSPOT
You have an on-premises datacenter.
You have an Azure subscription that contains 10 virtual machines and a virtual network named VNet1 in the East US Azure region. The virtual machines are connected to VNet1 and replicate across three availability zones.
You need to connect the datacenter to VNetl1by using ExpressRoute. The solution must meet the following requirements:

• Maintain connectivity to the virtual machines if two availability zones fail.
• Support 1000-Mbps connections-
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.

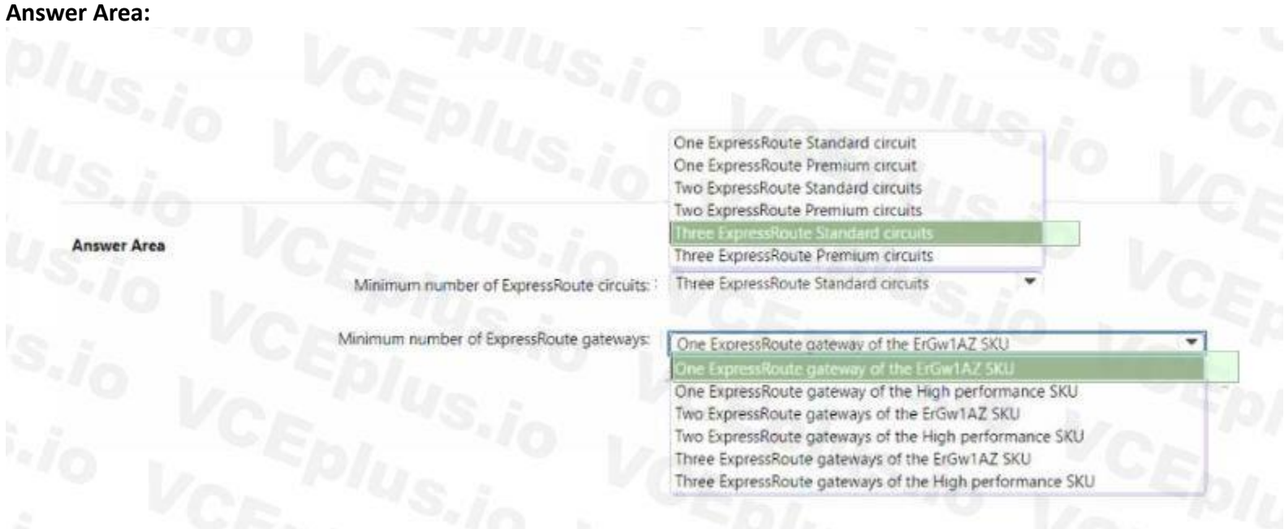


Answer:

Hot Area:



Answer Area:



Section:
Explanation:

QUESTION 89
You have an Azure subscription that contains the Azure app service web apps show in the following table:

Name	Location	Description
App1eu	West Europe	Production app service for a URL of https://www.fabrikam.com
App1us	East US	Standby app service for a URL of https://www.fabrikam.com

You need to deploy Azure Traffic Manager. The solution must meet the following requirements:
• Traffic to https//www.fabrikam.com must be directed to App1eu.
• If App1eu becomes unresponsive, all the traffic to https://www.fabrikam.com must be directed to App1us. You need to implement Traffic Manager to meet the requirements.
Which two resources should you create? Each correct answer presents part of the solution.
NOTE: Each correct selection is worth one point.

A. a Traffic Manager profile that uses the priority routing method
B. a Traffic Manager profile that uses the geographic routing method
C. a CNAME record in a DNS domain named fabrikam.com
D. a TXT record in a DNS domain named tabrikam.com
E. a real user measurements key in Traffic Manager

Correct Answer: A, C
Section:

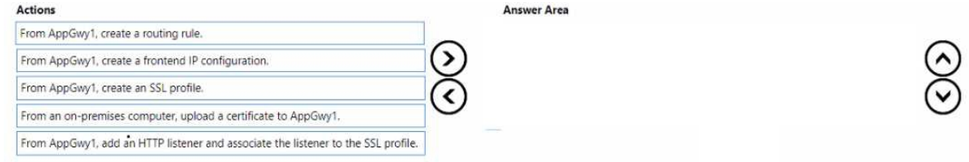
QUESTION 90
HOTSPOT
You have an Azure load balancer that has the following configurations:
• Name:LB1
• Location: East US 2
• SKU: Standard
• Private IP address: 10.3.0.7
• Load balancing rule: rule! (Tcp/80)
• Health probe: probe1 (Http:80)
• NAT rules; 0 inbound
The backend pool of LB1 has the following configurations:
• Name: backend I
• Virtual network: Vnet1
• Backend pool configuration: NIC
• IP version: IPv4
• Virtual machines: VM1.VM2. VM3:
You have an Azure virtual machine named VM4 that has the following network configurations:
• Network interface: vm49Sl
• Virtual network/subnet: Vnet3/Subnet3
• NIC private IP address: 10.4.0.4
• Accelerated networking: Enabled
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:

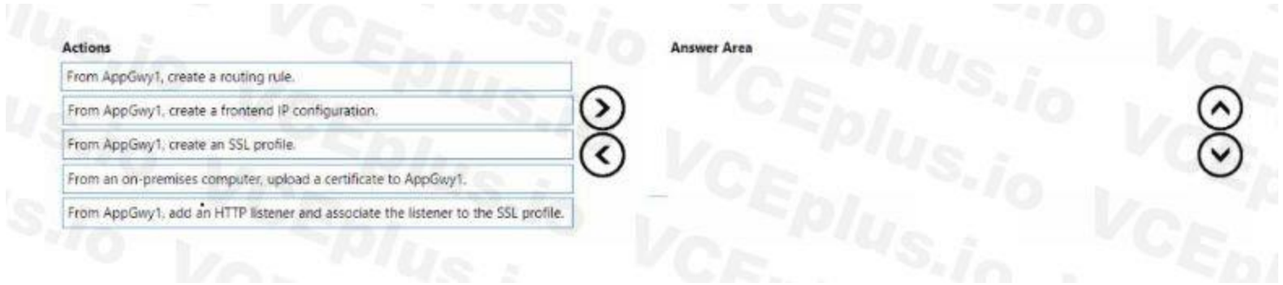
Answer Area:

Section:
Explanation:

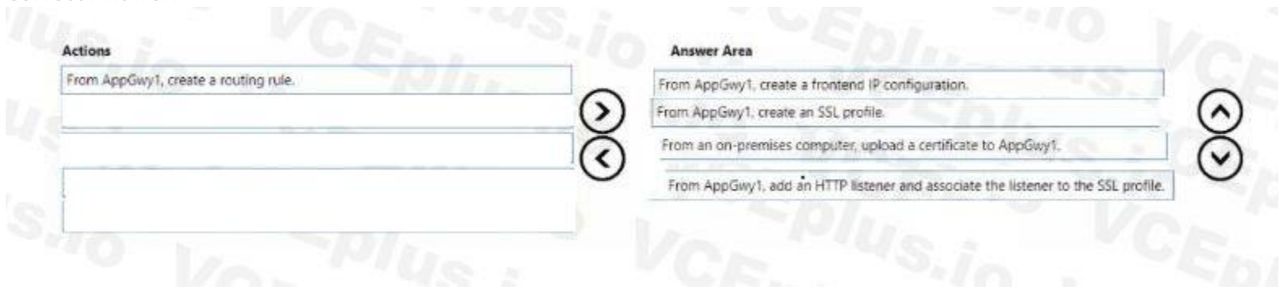
QUESTION 91
DRAG DROP
Your on-premises network contains an Active Directory Domain Services {AD DS) domain named contoso.com that has an internal certification authority (CA).
You have an Azure subscription.
You deploy an Azure application gateway named AppGwy1 and perform the following actions:
• Configure an HTTP listener.
• Associate a routing rule with the listener.
You need to configure AppGwy1 to perform mutual authentication for requests from domain-joined computers to contoso.com.
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.
Answer:



Select and Place:



Correct Answer:



Section:
Explanation:

QUESTION 92
You have an Azure subscription that contains the resources shown in the following table.

Name	Type	Description
VNet1	Virtual network	Contains a subnet named Subnet1
Subnet1	Virtual subnet	Part of VNet1
NSG1	Network security group (NSG)	Linked to Subnet1
ASG1	Application security group	Not linked

Subshell contains Three virtual machines that host an app named App1. App1 is accessed by using the SFTP protocol.
From NSG1. you configure an inbound security rule named Rule2 that allows inbound SFTP connections to ASG1.
You need to ensure that the inbound SFTP connections are managed by using ASG1. The solution must minimize administrative effort.
What should you do?

A. From NSG1. modify the priority of Rule2.
B. From each virtual machine, associate the network interface to ASG1
C. From Subnet1 create a subnet delegation.
D. From ASG1, modify the role assignments.

Correct Answer: B
Section:

QUESTION 93
You have an Azure subscription that contains a virtual network name Vnet1. Vnet1 contains a virtual machine named VM1 and an Azure firewall named FW1.
You have an Azure Firewall Policy named FP1 that is associated to FW1.
You need to ensure that RDP requests to the public IP address of FW1 route to VM1.
What should you configure on FP1?

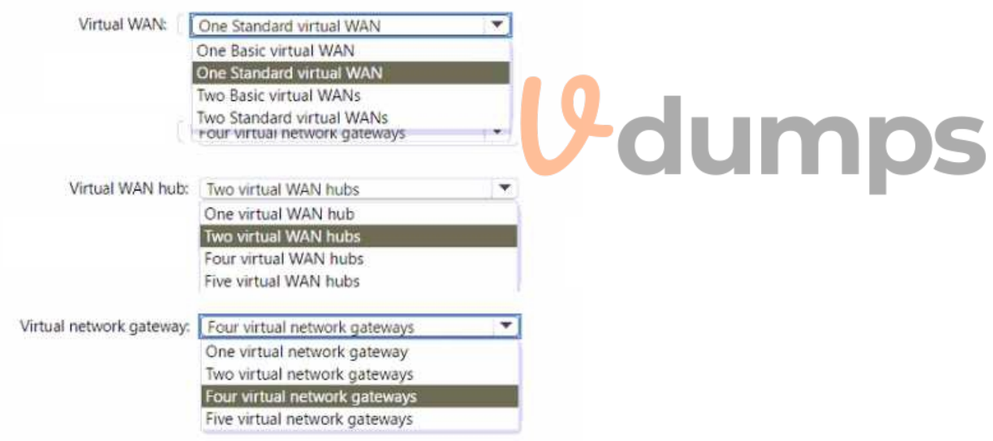
A. an application rule

B. a network rule
C. URL filtering
D. a DNAT rule

Correct Answer: D
Section:

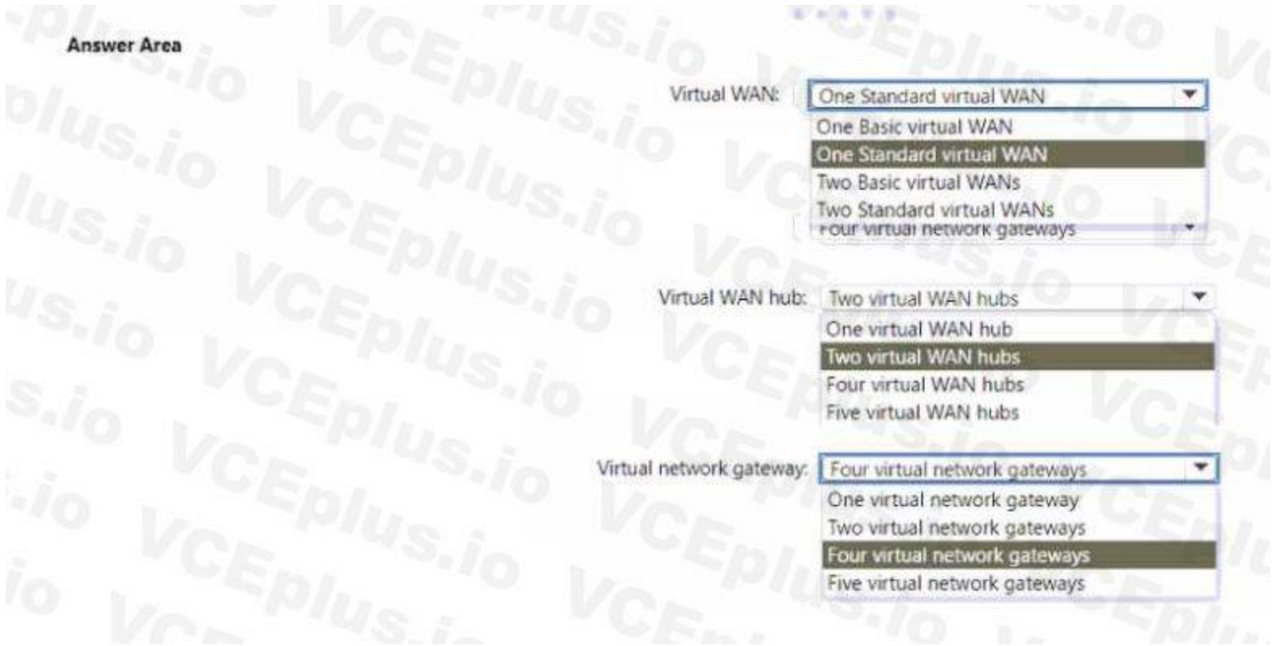
QUESTION 94
HOTSPOT
Your company has 40 branch offices across North America and Europe. You have an Azure subscription that contains the following virtual networks:
• Two networks in the East US Azure region
• Three networks in the West Europe Azure region
You need to implement Azure Virtual WAN. The solution must meet the following requirements:
• Each branch office in North America must have an ExpressRoute circuit and a Site-to-Site VPN that connects to the East US region.
• Each branch office in Europe must have an ExpressRoute circuit and a Site-to-Site VPN that connects to the West Europe region.
• Transitive connections must be supported between all the branch offices and all the virtual networks.
• Costs must be minimized.
What is the minimum number of Virtual WAN resources required? To answer, select the appropriate
options in the answer area. NOTE: Each correct selection is worth one point.

Answer Area

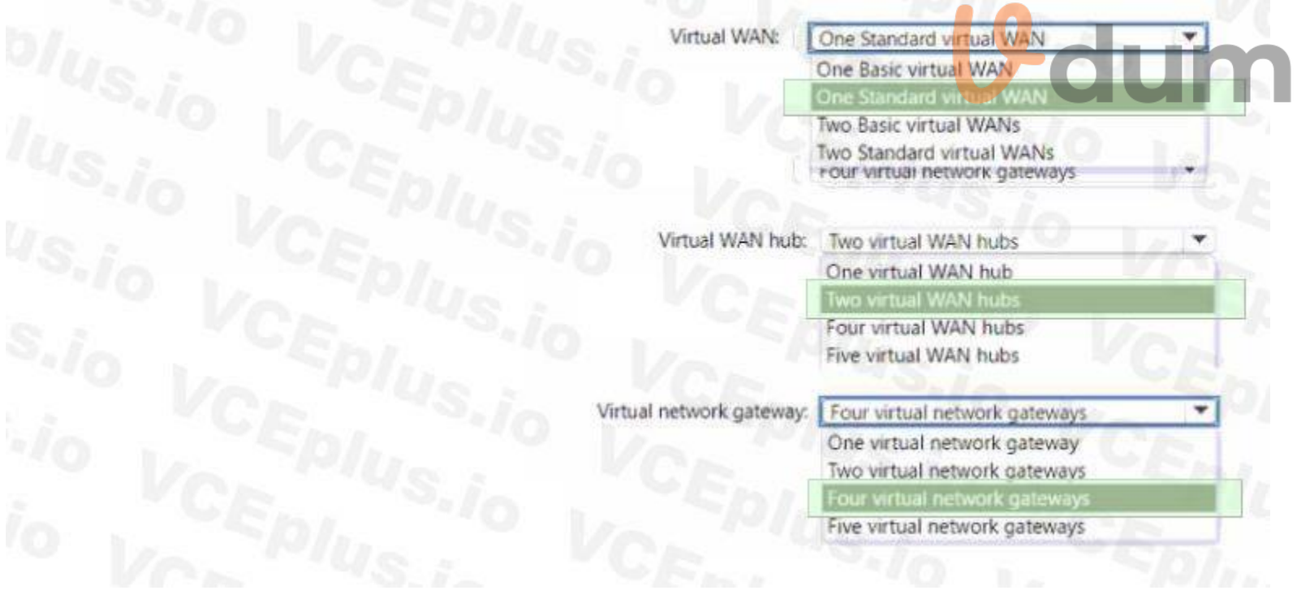


Answer:

Hot Area:



Answer Area:



Section:
Explanation:

QUESTION 95
You have an Azure subscription that contains the resources shown in the following table.

Name	Type	Description
FW1	Azure Firewall Premium	Has a network intrusion detection and prevention system (IDPS) enabled
HP1	Azure Virtual Desktop host pool	All outbound traffic from HP1 to the subscription's resources route through FW1
Server1	Virtual machine	Hosts an application named App1
KV1	Azure Key Vault	*None*

Users on HP1 connect to App1 by using a URL of https://app1.comoso.com.
You need to ensure that the IDPS on FW1 can identify security threats in the connections from HP1 to Server1.
Which two actions should you perform? Each correct answer presents part of the solution.
NOTE: Each correct selection is worth one point.

A. Enable TLS inspection for FW1.
B. import a server certificate to KV1.
C. Enable threat intelligence for FW1.
D. Add an application group to HP1.
E. Add a secured virtual network to FW1.

Correct Answer: A, C
Section:

QUESTION 96
You have an Azure application gateway configured for a single website that is available at https://www.contoso.com.
The application gateway contains one backend pool and one rule. The backend pool contains two backend servers. Each backend server has an additional website that is available on port 8080.
You need to ensure that if port 8080 is unavailable on a backend server, all the traffic for https://www.contoso.com is redirected to the other backend server.
What should you do?

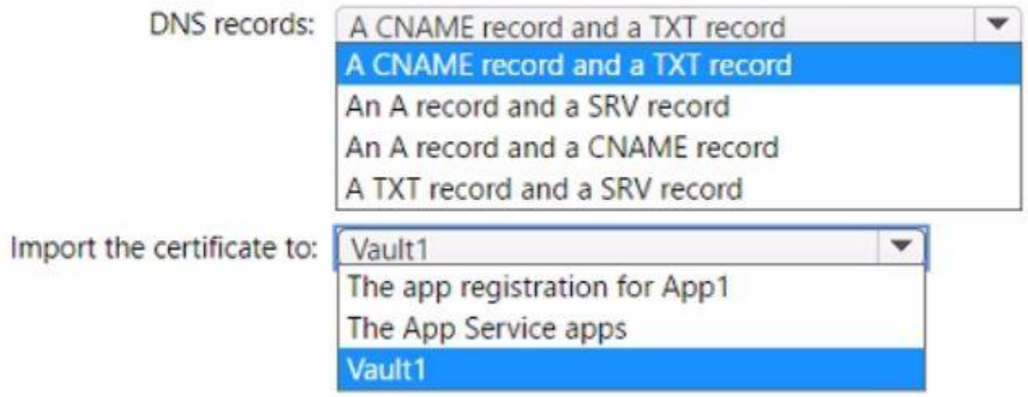
A. Create a health probe.
B. Add a new rule.
C. Add a new listener.
D. Change the port on the listener.

Correct Answer: A
Section:

QUESTION 97
HOTSPOT
You have an Azure subscription that contains an Azure key vault named Vaultl and an app registration for an Azure AD app named App1.
You have a DNS domain named contoso.com that is hosted by a third-party DNS provider.
You plan to deploy App1 by using Azure App Service. App1 will have the following configurations:
* App1 will be hosted across five App Service apps.
* Users will access App1 by using a URL of https://app1.contoso.com.
* The user traffic of App1 will be managed by using Azure Front Door.
* The traffic between Front Door and the App Service apps will be sent by using HTTP.
* App1 will be secured by using an SSL certificate from a third-party certificate authority (CA).
You need to support the Front Door deployment.
Which two DNS records should you create, and to where should you import the SSL certificate for App1? To answer, select the appropriate options in the answer area.
NOTE: Each correct selection is worth one point.

Hot Area:

Answer Area



Answer Area:

Answer Area

Section:
Explanation:

QUESTION 98
You have an internal Basic Azure Load Balancer named LB1 That has two frontend IP addresses. The backend pool of LB1 contains two Azure virtual machines named VM1 and VM2.
You need to configure the rules on LB1 as shown in the following table.

Rule	Frontend IP address	Protocol	ILB1 port	Destination	VM port
1	65.52.0.1	TCP	80	IP address of the NIC of VM1 and VM2	80
2	65.52.0.2	TCP	80	IP address of the NIC of VM1 and VM2	80

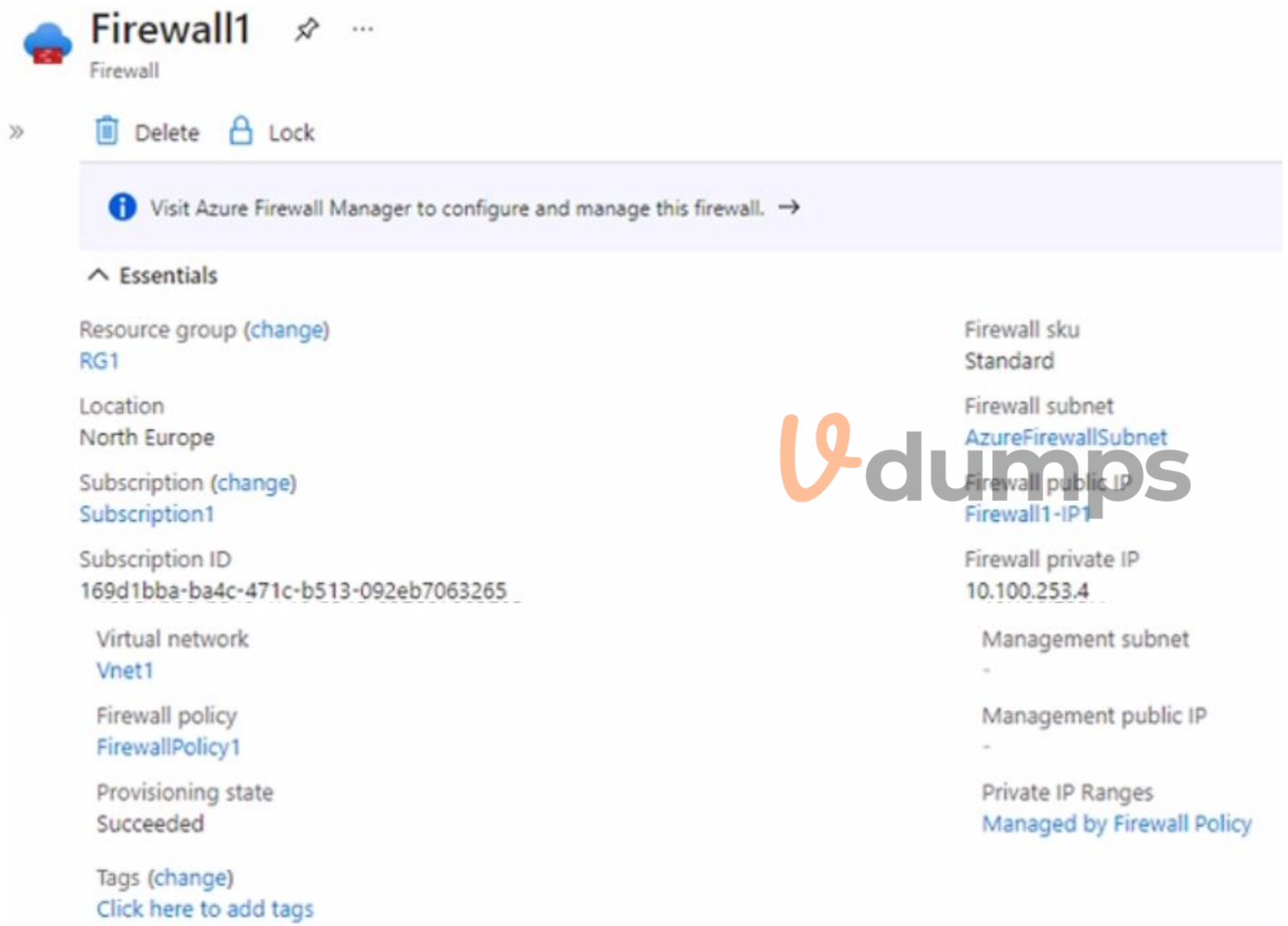
What should you do for each rule?

A. Enable Floating IP.
B. Disable Floating IP.
C. Set Session persistence to Enabled.

D. Set Session persistence to Disabled

Correct Answer: A
Section:

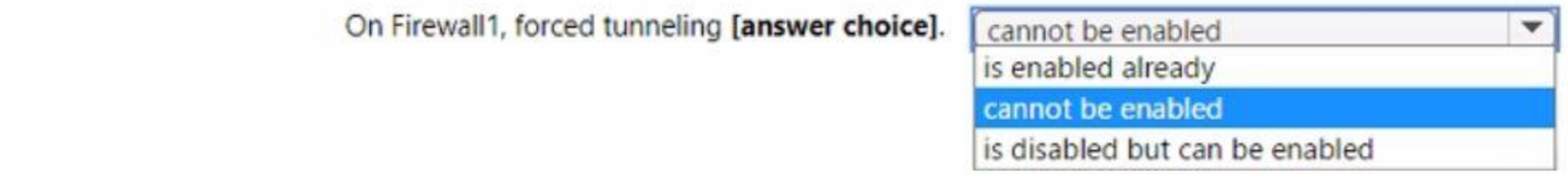
QUESTION 99
HOTSPOT
You have the Azure firewall shown in the following exhibit.



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.

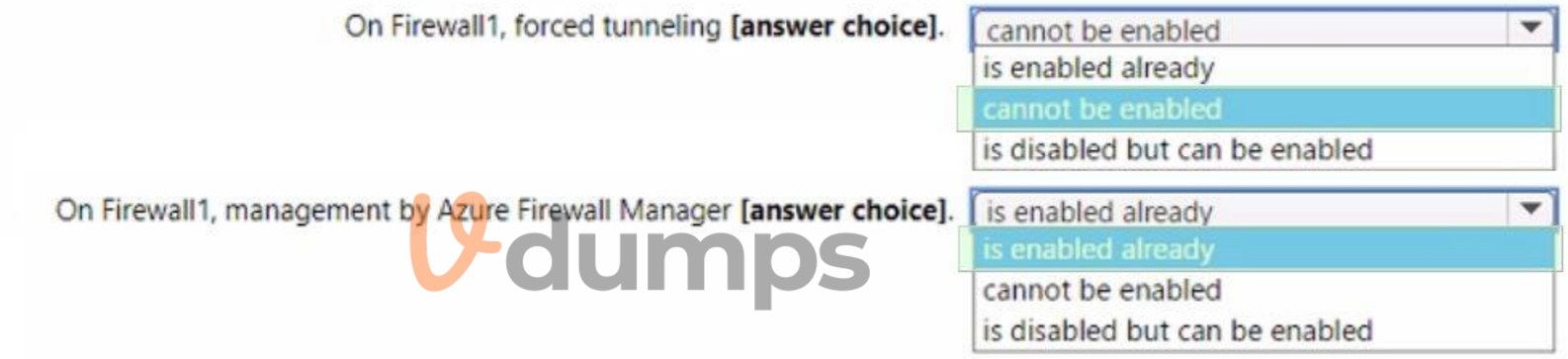
Hot Area:

Answer Area



Answer Area:

Answer Area

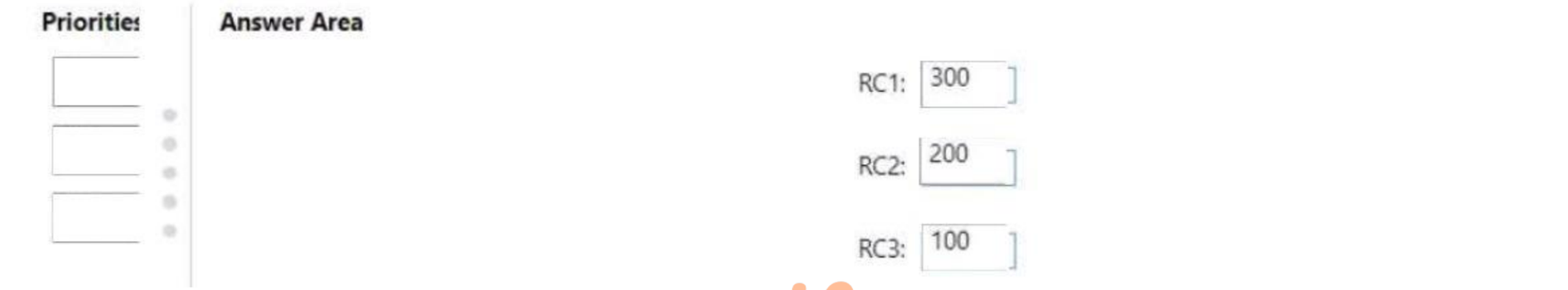


Section:
Explanation:

QUESTION 100
DRAG DROP
You have an Azure subscription that contains an Azure Firewall Premium policy named FWP1.
To FWP1, you plan to add the rule collections shown in the following table.
Which priority should you assign to each rule collection? To answer, drag the appropriate priority values to the correct rule collections- 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.

Select and Place:

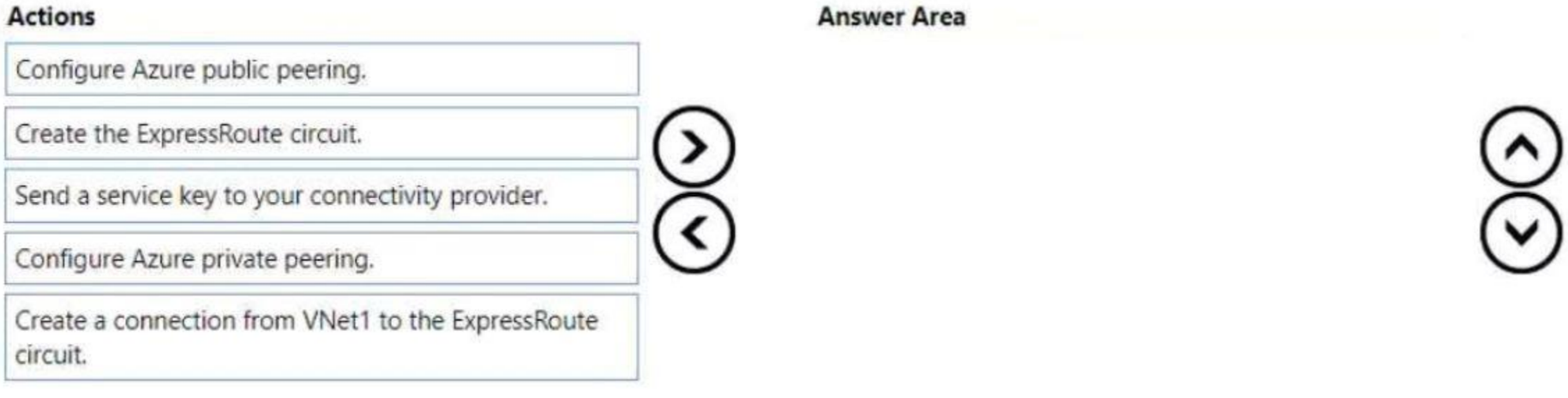
Correct Answer:



Section:
Explanation:

QUESTION 101
DRAG DROP
You have an on-premises network.
You have an Azure subscription that contains a virtual network named VNet1. VNet1 contains an ExpressRoute gateway.
You need to connect VNet1 to the on-premises network by using an ExpressRoute circuit.
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.

Select and Place:



Correct Answer:

Section:
Explanation:
Create the Express circuit.
Send a service key to your connectivity provider.
Configure Azure private peeting.
Create a connection from VNet1 to the ExpressRoute circuit.

QUESTION 102
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 an Azure Front Door Premium profile named AFD1 and an Azure Web Application Firewall (WAF) policy named WAF1. AFD1 is associated with WAF1.
You need to configure a rate limit for incoming requests to AFD1.
Solution: You modify the policy settings of WAF1.
Does this meet the goal?

A. Yes
B. No

Correct Answer: B
Section:

QUESTION 103
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 an Azure Front Door Premium profile named AFD1 and an Azure Web Application Firewall (WAF) policy named WAF1. AFD1 is associated with WAFT.
You need to configure a rate limit for incoming requests to AFD1.
Solution: You configure a custom rule for WAF1.
Does this meet the goal?

A. Yes

B. No

Correct Answer: A
Section:

QUESTION 104
LAB 1
You plan to deploy a firewall to subnetl-2. The firewall will have an IP address of 10.1.2.4.
You need to ensure that traffic from subnetl-1 to the IP address range of 192.168.10.0/24 is routed through the firewall that will be deployed to subnetl-2. The solution must be achieved without using dynamic routing protocols.

A. See the Explanation below for step by step instructions

Correct Answer: A
Section:
Explanation:
To deploy a firewall to subnetl-2, you need to create a network virtual appliance (NVA) in the same virtual network as subnetl-2.An NVA is a virtual machine that performs network functions, such as firewall, routing, or load balancing1.
To create an NVA, you need to create a virtual machine in the Azure portal and select an image that has the firewall software installed.You can choose from the Azure Marketplace or upload your own image2.
To assign the IP address of 10.1.2.4 to the NVA, you need to create a static private IP address for the network interface of the virtual machine.You can do this in the IP configurations settings of the network interface3.
To ensure that traffic from subnetl-1 to the IP address range of 192.168.10.0/24 is routed through the NVA, you need to create a user-defined route (UDR) table and associate it with subnetl-1.A UDR table allows you to override the default routing behavior of Azure and specify custom routes for your subnets4.
To create a UDR table, you need to go to the Route tables service in the Azure portal and select + Create.You can give a name and a resource group for the route table5.
To create a custom route, you need to select Routes in the route table and select + Add.You can enter the following information for the route5:
Destination: 192.168.10.0/24
Next hop type: Virtual appliance
Next hop address: 10.1.2.4
To associate the route table with subnetl-1, you need to select Subnets in the route table and select + Associate.You can select the virtual network and subnet that you want to associate with the route table5.

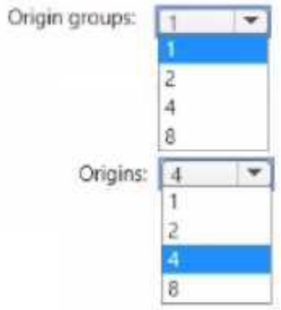
QUESTION 105
HOTSPOT
You have an Azure subscription that contains an app named Appl. App1 is deployed to the Azure App Service apps show in the following table.

Name	Location	Worker instances
App1-East	East US 1	4
App1-West	West US 1	4

You need to publish App1 by using Azure Front Door. The solution must ensure that all the requests to App1 are load balanced between all the available worker instances.
What is the minimum number of origin groups and origins that you should configure? To answer,
select the appropriate options in the answer area.
NOTE: Each correct selection is worth one point.
Answer:

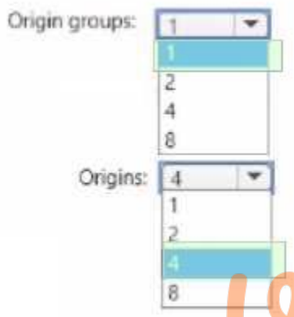
Hot Area:

Answer Area



Answer Area:

Answer Area



Section:
Explanation:

QUESTION 106
You have an Azure subscription that contains a virtual network named Vnet1. Vnet1 contains 20 subnets and 500 virtual machines. Each subnet contains a virtual machine that runs network monitoring software.
You have a network security group (NSG) named NSG1 associated to each subnet.
When a new subnet is created in Vnet1, an automated process creates an additional network monitoring virtual machine in the subnet and links the subnet to NSG1.
You need to create an inbound security rule in NS61 that will allow connections to the network monitoring virtual machines from an IP address of 131.107.1.15. The solution must meet the following requirements:
• Ensure that only the monitoring virtual machines receive a connection from 131.107.1.15.
• Minimize changes to NSG1 when a new subnet is created.
What should you use as the destination in the inbound security rule?

A. a virtual network
B. an IP address
C. an application security group
D. a service tag

Correct Answer: C
Section:

QUESTION 107
HOTSPOT
You have an on-premises network.

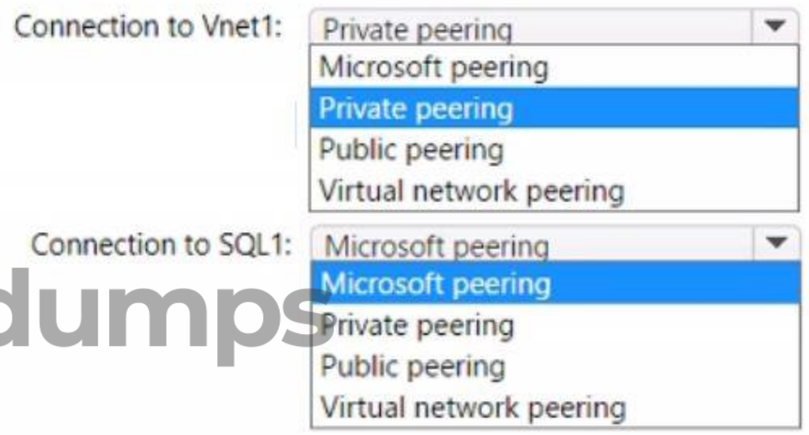
You have an Azure subscription that contains the resources shown in the following table.

Name	Type	Description
Vnet1	Virtual network	*None*
VM1	Virtual machine	Connected to Vnet1
VM2	Virtual machine	Connected to Vnet1
SQL1	Azure SQL Database	Internet accessible

You need to implement an ExpressRoute circuit to access the resources in the subscription. The solution must ensure that the on-premises network connects to the Azure resources by using the ExpressRoute circuit.
Which type of peering should you use for each connection? To answer, select the appropriate options in the answer are a.
NOTE: Each correct selection is worth one point.

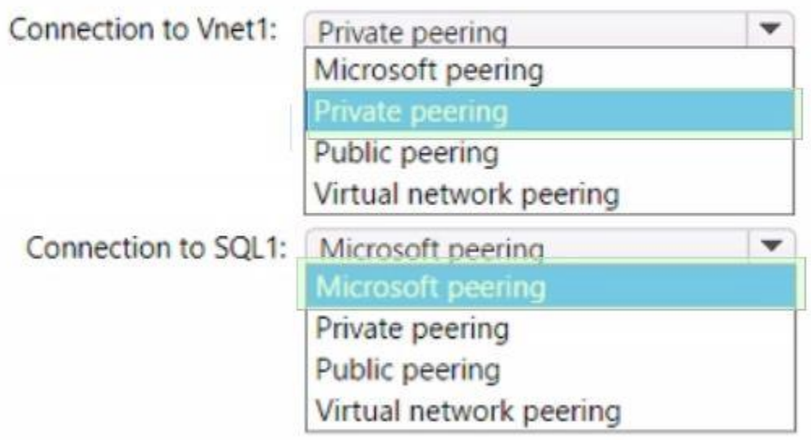
Hot Area:

Answer Area



Answer Area:

Answer Area



Section:
Explanation:

QUESTION 108
You have the Azure virtual networks shown in the following table.

Name	Resource group	Location
Vnet1	RG1	East US
Vnet2	RG1	UK West
Vnet3	RG1	East US
Vnet4	RG1	UK West

You have the Azure resources shown in the following table.

Name	Type	Virtual network	Resource group	Location
VM1	Virtual machine	Vnet1	RG1	East US
VM2	Virtual machine	Vnet2	RG2	UK West
VM3	Virtual machine	Vnet3	RG3	East US
App1	App Service	Vnet1	RG4	East US
st1	Storage account	*Not applicable*	RG5	UK West

You need to check latency between the resources by using connection monitors in Azure Network Watcher.
What is the minimum number of connection monitors that you must create?

A. 1
B. 2
C. 3
D. 4
E. 5

Correct Answer: C
Section:

QUESTION 109
You have an Azure virtual machine named VM1.
You need to capture all the network traffic of VM1 by using Azure Network Watcher.
To which locations can the capture be written?

A. a file path on VM1 only
B. blob storage only
C. a premium storage account only
D. blob storage and a file path on VM1 only
E. blob storage and a premium storage account only
F. blob storage, a file path on VM1, and a premium storage account

Correct Answer: D
Section:

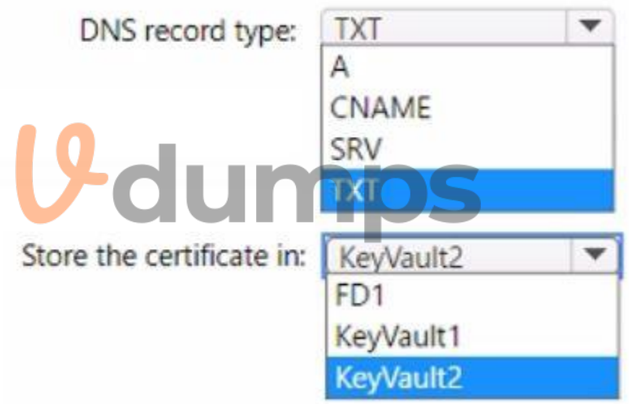
QUESTION 110
HOTSPOT
You have an Azure subscription that contains the resources shown in the following table.

Name	Type	Description
appservice1	Azure App Service	Hosts an app named App1
contoso.com	Azure DNS zone	Resolves name requests from the internet
FD1	Azure Front Door	Standard profile with App1 configured as the origin
KeyVault1	Azure Key Vault	Key vault with Permission model set to **Vault access policy**
KeyVault2	Azure Key Vault	Key vault with Permission model set to **Azure role-based access control**

You purchase a certificate for app1.contoso.com from a public certification authority (CA) and install the certificate on appservice1.
You need to ensure that App1 can be accessed by using a URL of https://app1.contoso.com. The solution must ensure that all the traffic for App1 is routed via FD1.
Which type of DNS record should you create, and where should you store the certificate? To answer, select the appropriate options in the answer area.
NOTE: Each correct selection is worth one point

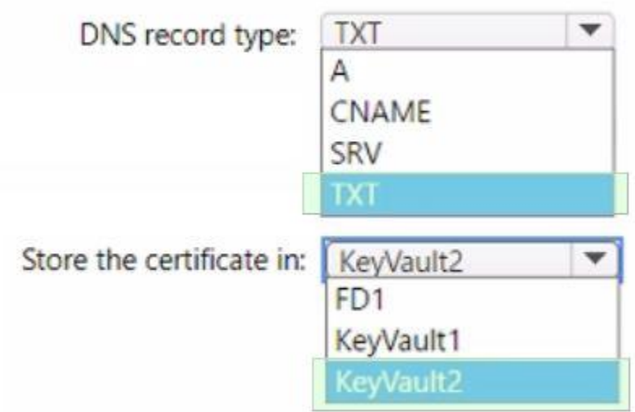
Hot Area:

Answer Area



Answer Area:

Answer Area



Section:

Explanation:

QUESTION 111
LAB 2
You need to create an Azure Firewall instance named FW1 that meets the following requirements:
* Has an IP address from the address range of 10.1.255.0/24
* Uses a new Premium firewall policy named FW-pohcy1
* Routes traffic directly to the internet

A. See the Explanation below for step by step instructions

Correct Answer: A
Section:
Explanation:
To create an Azure Firewall instance, you need to go to the Azure portal and select Create a resource. Type firewall in the search box and press Enter.Select Firewall and then select Create1.
To assign an IP address from the address range of 10.1.255.0/24 to the firewall, you need to select a public IP address that belongs to that range.You can either create a new public IP address or use an existing one1.
To use a new Premium firewall policy named FW-policy1, you need to select Premium as the Firewall tier and create a new policy with the name FW-policy12.A Premium firewall policy allows you to configure advanced features such as TLS Inspection, IDPS, URL Filtering, and Web Categories3.
To route traffic directly to the internet, you need to enable SNAT (Source Network Address Translation) for the firewall.SNAT allows the firewall to use its public IP address as the source address for outbound traffic4.

QUESTION 112
LAB 3
You plan to implement an Azure application gateway in the East US Azure region. The application gateway will have Web Application Firewall (WAF) enabled.
You need to create a policy that can be linked to the planned application gateway. The policy must block connections from IP addresses in the 131.107.150.0/24 range. You do NOT need to provision the application gateway to complete this task.

A. See the Explanation below for step by step instructions

Correct Answer: A
Section:
Explanation:
Here are the steps and explanations for creating a policy that can be linked to the planned application gateway and block connections from IP addresses in the 131.107.150.0/24 range:
To create a policy, you need to go to the Azure portal and selectCreate a resource.Search forWAF, selectWeb Application Firewall, then selectCreate1.
On theCreate a WAF policypage,Basicstab, enter or select the following information and accept the defaults for the remaining settings:
Policy for: Regional WAF (Application Gateway)
Subscription: Select your subscription name
Resource group: Select your resource group
Policy name: Type a unique name for your WAF policy
On theCustom rulestab, selectAdd a ruleto create a custom rule that blocks connections from IP addresses in the 131.107.150.0/24 range2. Enter or select the following information for the custom rule:
Rule name: Type a unique name for your custom rule
Priority: Type a number that indicates the order of evaluation for this rule
Rule type: Select Match rule
Match variable: Select RemoteAddr
Operator: Select IPMatch
Match values: Type 131.107.150.0/24
Action: Select Block
On theReview + createtab, review your settings and selectCreateto create your WAF policy1.
To link your policy to the planned application gateway, you need to go to theApplication Gatewayservice in the Azure portal and select your application gateway3.
On theWeb application firewalltab, select your WAF policy from the drop-down list and selectSave

QUESTION 113
LAB 4
You need to ensure that connections to the storage34280945 storage account can be made by using an IP address in the 10.1.1.0/24 range and the name storage34280945.pnvatelinlcblob.core.windows.net.

A. See the Explanation below for step by step instructions

Correct Answer: A
Section:
Explanation:
Here are the steps and explanations for ensuring that connections to the storage34280945 storage account can be made by using an IP address in the 10.1.1.0/24 range and the name stor-age34280945.pnvatelinlcblob.core.windows.net:
To allow access from a specific IP address range, you need to configure the Azure Storage firewall and virtual network settings for your storage account.You can do this in the Azure portal by selecting your storage account and then selecting Networking under Settings1.
On the Networking page, select Firewalls and virtual networks, and then select Selected networks under Allow access from1. This will block all access to your storage account except from the networks or resources that you specify.
Under Firewall, select Add rule, and then enter 10.1.1.0/24 as the IP address or range.You can also enter an optional rule name and description1. This will allow access from any IP address in the 10.1.1.0/24 range.
Select Save to apply your changes1.
To map a custom domain name to your storage account, you need to create a CNAME record with your domain provider that points to your storage account endpoint2. A CNAME record is a type of DNS record that maps a source domain name to a destination domain name.
Sign in to your domain registrar's website, and then go to the page for managing DNS settings2.
Create a CNAME record with the following information2:
Source domain name: stor-age34280945.pnvatelinlcblob.core.windows.net
Destination domain name: stor-age34280945.pnvatelinlcblob.core.windows.net
Save your changes and wait for the DNS propagation to take effect2.
To register the custom domain name with Azure, you need to go back to the Azure portal and select your storage account.Then select Custom domain under Blob service2.
On the Custom domain page, enter stor-age34280945.pnvatelinlcblob.core.windows.net as the custom domain name and select Save2.

QUESTION 114
LAB 5
You need to ensure that requests for wwwjelecloud.com from any of your Azure virtual networks resolve to frontdoor1.azurefd.net.

A. See the Explanation below for step by step instructions

Correct Answer: A
Section:
Explanation:
Here are the steps and explanations for ensuring that requests for wwwjelecloud.com from any of your Azure virtual networks resolve to frontdoor1.azurefd.net:
To use a custom domain with your Azure Front Door, you need to create a CNAME record with your domain provider that points to the Front Door default frontend host.A CNAME record is a type of DNS record that maps a source domain name to a destination domain name1.
To create a CNAME record, you need to sign in to your domain registrar's website and go to the page for managing DNS settings1.
Create a CNAME record with the following information1:
Source domain name: wwwjelecloud.com
Destination domain name: frontdoor1.azurefd.net
Save your changes and wait for the DNS propagation to take effect1.
To verify the custom domain, you need to go to the Azure portal and select your Front Door profile.Then select Domains under Settings and select Add2.
On the Add a domain page, select Non-Azure validated domain as the Domain type and enter wwwjelecloud.com as the Domain name.Then select Add2.
On the Domains page, select wwwjelecloud.com and select Verify.This will check if the CNAME record is correctly configured2.
Once the domain is verified, you can associate it with your Front Door endpoint. On the Domains page, select wwwjelecloud.com and select Associate endpoint.Then select your Front Door endpoint from the drop-down list and select Associate2.

QUESTION 115
LAB 6
You need to ensure that all hosts deployed to subnet3-2 connect to the internet by using the same static public IP address. The solution must minimize administrative effort when adding hosts to the subnet.

A. See the Explanation below for step by step instructions

Correct Answer: A
Section:
Explanation:
Here are the steps and explanations for ensuring that all hosts deployed to subnet3-2 connect to the internet by using the same static public IP address:
To use the same static public IP address for multiple hosts, you need to create a NAT gateway and associate it with subnet3-2.A NAT gateway is a resource that performs network address translation (NAT) for outbound traffic from a subnet1.It allows you to use a single public IP address for multiple private IP addresses2.
To create a NAT gateway, you need to go to the Azure portal and selectCreate a resource.Search forNAT gateway, selectNAT gateway, then selectCreate3.
On theCreate a NAT gatewaypage, enter or select the following information and accept the defaults for the remaining settings:
Subscription: Select your subscription name
Resource group: Select your resource group
Name: Type a unique name for your NAT gateway
Region: Select the same region as your virtual network
Public IP address: SelectCreate newand type a name for your public IP address.SelectStandardas the SKU andStaticas the assignment method4.
SelectReview + createand then selectCreateto create your NAT gateway3.
To associate the NAT gateway with subnet3-2, you need to go to theVirtual networksservice in the Azure portal and select your virtual network.
On theVirtual networkpage, selectSubnetsunderSettings, and then select subnet3-2 from the list.
On theEdit subnetpage, underNAT gateway, select your NAT gateway from the drop-down list. Then selectSave.

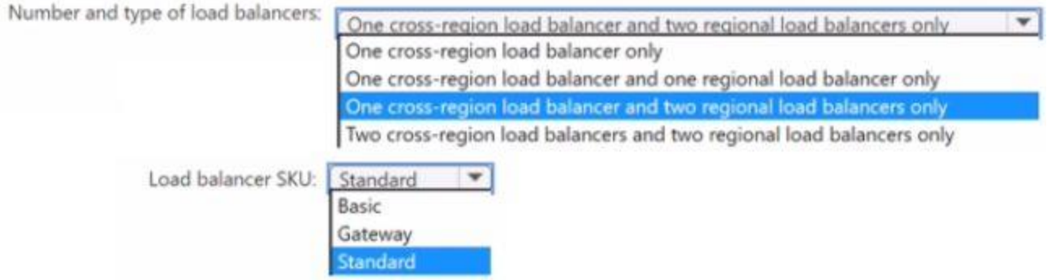
QUESTION 116
HOTSPOT
You have an Azure subscription that contains the resources shown in the following table.

Name	Type	Description
VNet1	Virtual network	In the West Europe Azure region
VNet2	Virtual network	In the East US Azure region
VM1	Virtual machine	On VNet1
VM2	Virtual machine	On VNet1
VM3	Virtual machine	On VNet2
VM4	Virtual machine	On VNet2

You plan to deploy an app named App1 to meet the following requirements.
* External users must be able to access App1 from the internet.
* App1 will be load balanced across all the virtual machines.
* App1 will be hosted on VM1, VM2. VM3. and VM4.
* App1 must be available if an Azure region fails.
* Costs must be minimized.
You need to implement a global load balancer solution for App.
What should you configure? To answer, select the appropriate options in the answer area
NOTE: Bach correct answer is worth one point.

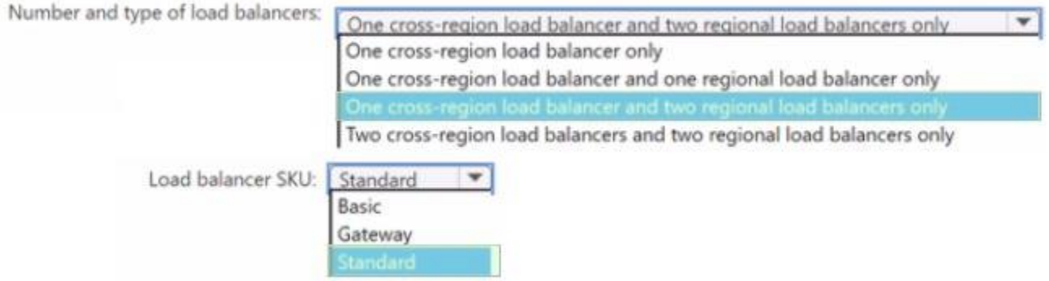
Hot Area:

Answer Area



Answer Area:

Answer Area



Section:
Explanation:

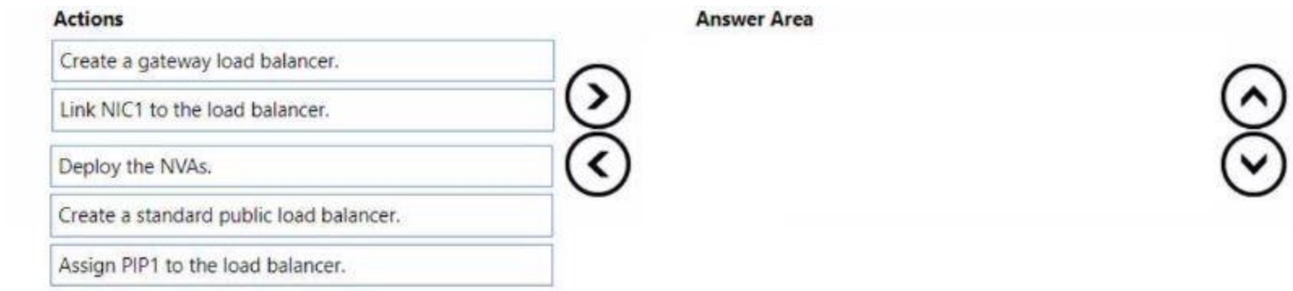
QUESTION 117
You have an Azure Private Link service named PL1 that uses an Azure load balancer named LB1. You need to ensure that PL1 can support a higher volume of outbound traffic. What should you do?

A. Redeploy LB1 with a different SKU.
B. Increase the number of NAT IP addresses assigned to PL1.
C. Deploy an Azure Application Gateway v2 instance to the source NAT subnet.
D. Increase the number of frontend IP configurations for LB1.

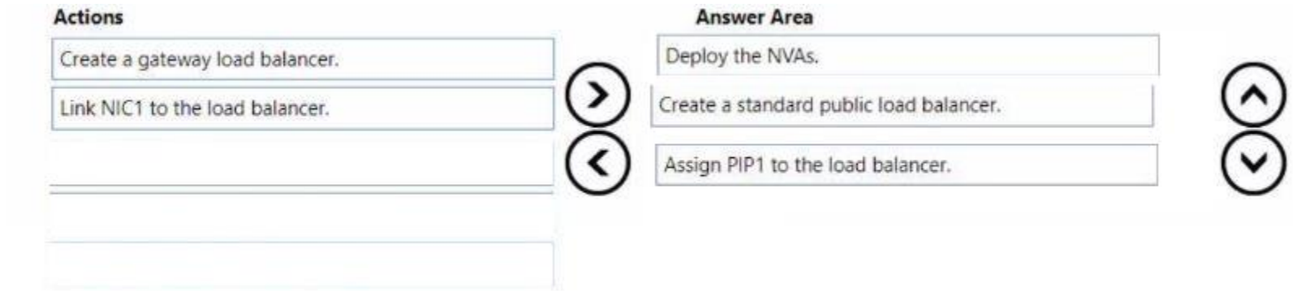
Correct Answer: B
Section:

QUESTION 118
DRAG DROP
You have an Azure subscription that contains a virtual machine named VM1. VM1 contains a NIC named NIC1 and a public IP address named PIP1.PIP1 is assigned to NIC1.
You plan to deploy four Network Virtual Appliances (NVAs).
You need to ensure that all the inbound traffic from the internet to PIP1 is inspected by the NVAs. The solution must ensure that the NVA deployment is highly available.
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:



Correct Answer:



Section:
Explanation:
Deploy the NVAs.
Create a standard public load balancer.
Assign PIP1 to the load balancer.