



AZ-700

Designing and Implementing
Microsoft Azure
Networking Solutions



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Exam AZ-700

Designing and Implementing Microsoft Azure Networking Solutions

Version: 8.1

[Total Questions: 129]

Topic break down

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Topic 1, Litware. Inc Case Study 1

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 the 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
VMSSet1	Virtual machine scale set	Contains four virtual machines deployed to SubnetA
VMSSet2	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

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

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 zone 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 VMSSet1 to VMSSet2 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 No : 1 HOTSPOT - (Topic 1)

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.

Minimum number of custom NSG rules:

1
2
3
4
5

Minimum number of NSG assignments:

1
2
3
4
5

Answer:

Minimum number of custom NSG rules:

1
2
3
4
5

Minimum number of NSG assignments:

1
2
3
4
5

Minimum number of custom NSG rules:

1
2
3
4
5

Minimum number of NSG assignments:

1
2
3
4
5

Explanation:

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Box 2: One NSG

The minimum requirement is one NSG. You could attach the NSG to VMSSet1 and restrict outbound traffic, or you could attach the NSG to VMSSet2 and restrict inbound traffic. Either way you would need two custom NSG rules.

Box 1: Two custom rules

With the NSG attached to VMSSet2, you would need to create a custom rule blocking all traffic from VMSSet1. 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 VMSSet2.

Question No : 2 HOTSPOT - (Topic 1)

You need to implement name resolution for the cloud.litwareinc.com. The solution must meet the networking requirements.

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

NOTE: Each correct selection is worth one point.

To implement automatic DNS name registration in cloud.litwareinc.com:

<input type="checkbox"/>	Create virtual network links
<input type="checkbox"/>	Configure conditional forwarding
<input type="checkbox"/>	Create an SOA record in cloud.litwareinc.com

To implement name resolution of the cloud.litwareinc.com DNS records from the on-premises locations:

<input type="checkbox"/>	Enable the Azure Firewall DNS proxy
<input type="checkbox"/>	Create SRV records in cloud.litwareinc.com
<input type="checkbox"/>	Deploy an Azure virtual machine configured as a DNS server to Vnet1

Answer:

To implement automatic DNS name registration in cloud.litwareinc.com:

<input checked="" type="checkbox"/>	Create virtual network links
<input type="checkbox"/>	Configure conditional forwarding
<input type="checkbox"/>	Create an SOA record in cloud.litwareinc.com

To implement name resolution of the cloud.litwareinc.com DNS records from the on-premises locations:

<input type="checkbox"/>	Enable the Azure Firewall DNS proxy
<input checked="" type="checkbox"/>	Create SRV records in cloud.litwareinc.com
<input checked="" type="checkbox"/>	Deploy an Azure virtual machine configured as a DNS server to Vnet1

Explanation:

To implement automatic DNS name registration in cloud.litwareinc.com:

<input checked="" type="checkbox"/>	Create virtual network links
<input type="checkbox"/>	Configure conditional forwarding
<input type="checkbox"/>	Create an SOA record in cloud.litwareinc.com

To implement name resolution of the cloud.litwareinc.com DNS records from the on-premises locations:

<input type="checkbox"/>	Enable the Azure Firewall DNS proxy
<input checked="" type="checkbox"/>	Create SRV records in cloud.litwareinc.com
<input checked="" type="checkbox"/>	Deploy an Azure virtual machine configured as a DNS server to Vnet1

Graphical user

interface, text, application

Description automatically generated

Question No : 3 - (Topic 1)

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

Answer: A

Explanation: VNet 1 will get the default from BGP and propagate it to VNET 2 and 3

Question No : 4 - (Topic 1)

You need to connect Vnet2 and Vnet3. The solution must meet the virtual networking requirements and the business requirements.

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

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.

Answer: B,D

Question No : 5 DRAG DROP - (Topic 1)

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.

Actions	Answer Area
Create a VPN gateway by using the VPNGW1 SKU.	
Assign a user-defined route to GatewaySubnet.	
Set the subnet mask of GatewaySubnet to /27.	
Delete VPNGW1.	
Create a VPN gateway by using the Basic SKU.	

➤
➤

Answer:

Actions	Answer Area
Create a VPN gateway by using the VPNGW1 SKU.	Set the subnet mask of GatewaySubnet to /27.
Assign a user-defined route to GatewaySubnet.	Assign a user-defined route to GatewaySubnet.
Set the subnet mask of GatewaySubnet to /27.	Create a VPN gateway by using the Basic SKU.
Delete VPNGW1.	
Create a VPN gateway by using the Basic SKU.	

➤
➤

Question No : 6 DRAG DROP - (Topic 1)

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.

Actions	Answer Area
Create a health probe	
Create a public load balancer in the Standard SKU	
Create a public load balancer in the Basic SKU	
Create a backend pool that contains VMSScaleSet1	
Create a NAT rule	
Create an outbound rule	

Answer:

Actions	Answer Area
Create a health probe	
Create a public load balancer in the Standard SKU	Create a public load balancer in the Standard SKU
Create a public load balancer in the Basic SKU	
Create a backend pool that contains VMSScaleSet1	Create a backend pool that contains VMSScaleSet1
Create a NAT rule	
Create an outbound rule	Create an outbound rule

Create a public load balancer in the Standard SKU

Create a backend pool that contains VMSScaleSet1

Create an outbound rule

Explanation:

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Question No : 7 HOTSPOT - (Topic 1)

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.

Set the ExpressRoute gateway type to:

To minimize latency of traffic to Vnet2:

Answer:

Set the ExpressRoute gateway type to:

To minimize latency of traffic to Vnet2:

Explanation:

Set the ExpressRoute gateway type to:

To minimize latency of traffic to Vnet2:

Graphical user

interface, text, application

Description automatically generated

For the first question, only ExpressRoute GW SKU Ultra Performance support FastPath feature.

For the second question, vnet1 will connect to ExpressRoute gw, once Vnet1 peers with Vnet2, the traffic from on-premise network will bypass GW and Vnet1, directly goes to Vnet2, while this feature is under public preview.

====Reference

ExpressRoute virtual network gateway is designed to exchange network routes and route network traffic. FastPath is designed to improve the data path performance between your

on-premises network and your virtual network. When enabled, FastPath sends network traffic directly to virtual machines in the virtual network, bypassing the gateway.

To configure FastPath, the virtual network gateway must be either:

Ultra Performance

ErGw3AZ

VNet Peering - FastPath will send traffic directly to any VM deployed in a virtual network peered to the one connected to ExpressRoute, bypassing the ExpressRoute virtual network gateway.

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

Gateway SKU

<https://docs.microsoft.com/en-us/azure/expressroute/expressroute-about-virtual-network-gateways>

Question No : 8 HOTSPOT - (Topic 1)

You need to implement a P2S VPN for the users in the branch office. The solution must meet the hybrid networking requirements.

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

NOTE: Each correct selection is worth one point.

Answer Area

On the VPN gateway in Vnet1, set the P2S VPN tunnel type to:

In the litwareinc.com tenant:

IKEv2
OpenVPN (SSL)
SSTP (SSL)

Create a device object
Create a managed identity
Grant consent to an Azure AD application

Answer:

Answer Area

On the VPN gateway in Vnet1, set the P2S VPN tunnel type to:

In the litwareinc.com tenant:

IKEv2
OpenVPN (SSL)
SSTP (SSL)

Create a device object
Create a managed identity
Grant consent to an Azure AD application

Explanation:

On the VPN gateway in Vnet1, set the P2S VPN tunnel type to:

IKEv2
OpenVPN (SSL)
SSTP (SSL)

In the litwareinc.com tenant:

Create a device object
Create a managed identity
Grant consent to an Azure AD application

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Question No : 9 - (Topic 1)

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

What should you include in the solution?

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

Answer: A

Reference:

<https://docs.microsoft.com/en-us/azure/virtual-network/virtual-network-service-endpoints-overview>

Question No : 10 - (Topic 1)

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

Answer: B

Reference:

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

Topic 2, Contoso Case Study 2

Overview

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. If the case study has an All Information tab, note that the information displayed is identical to the information displayed on the subsequent tabs.

When you are ready to answer a question, click the Question button to return to the question.

Existing Environment:

Azure Network Infrastructure

Contoso has an Azure Active Directory (Azure AD) tenant named contoso.com. The Azure subscription contains the virtual networks shown in the following table.

Name	Resource group	IP address space	Location	Peered with
Vnet1	RG1	10.1.0.0/16	West US	Vnet2, Vnet3
Vnet2	RG1	172.16.0.0/16	Central US	Vnet1, Vnet3, Vnet4
Vnet3	RG2	192.168.0.0/16	Central US	Vnet1, Vnet2
Vnet4	RG2	10.10.0.0/16	West US	Vnet2
Vnet5	RG3	10.20.0.0/16	East US	None

Vnet1 contains a virtual network gateway named GW1.

Azure Virtual Machines

The Azure subscription contains virtual machines that run Windows Server 2019 as shown in the following table.

Name	Connected to	Network security group (NSG)
VM1	Vnet1/Subnet1	NSG1
VM2	Vnet1/Subnet2	NSG2
VM3	Vnet2/Default	NSG3
VM4	Vnet3/Default	NSG4
VM5	Vnet4/SubnetA	NSG5

The NSGs are associated to the network interfaces on the virtual machines. Each NSG has one custom security rule that allows RDP connections from the internet. The firewall on each virtual machine allows ICMP traffic.

An application security group named ASG1 is associated to the network interface of VM1.

Azure Private DNS Zones

The Azure subscription contains the Azure private DNS zones shown in the following table.

Name	Location
zone1.contoso.com	Central US
zone2.contoso.com	West US

Zone1.contoso.com has the virtual network links shown in the following table.

Name	Virtual network	Auto registration
Link1	Vnet2	No
Link2	Vnet3	Yes

Other Azure Resources

The Azure subscription contains additional resources as shown in the following table.

Name	Type	Location
DB1	Azure SQL Database	West US
storage1	Azure Storage account	West US
Registry1	Azure Container Registry	Central US
KeyVault1	Azure Key Vault	Central US

Requirements:

Virtual Network Requirements

Contoso has the following virtual networks requirements:

- * Create a virtual network named Vnet6 in West US that will contain the following resources and configurations:

Two container groups that connect to Vnet6

Three virtual machines that connect to Vnet6

Allow VPN connections to be established to Vnet6

Allow the resources in Vnet6 to access KeyVault1, DB1, and Vnet1 over the Microsoft backbone network

* The virtual machines in Vnet4 and Vnet5 must be able to communicate over the Microsoft backbone network.

* A virtual machine named VM-Analyze will be deployed to Subnet1. VM-Analyze must inspect the outbound network traffic from Subnet2 to the internet.

Network Security Requirements

Contoso has the following network security requirements:

* Configure Azure Active Directory (Azure AD) authentication for Point-to-Site (P2S) VPN users.

* Enable NSG flow logs for NSG3 and NSG4.

* Create an NSG named NSG10 that will be associated to Vnet1/Subnet1 and will have the custom inbound security rules shown in the following table.

Priority	Port	Protocol	Source	Destination	Action
500	3389	TCP	10.1.0.0/16	Any	Deny
1000	Any	ICMP	10.10.0.0/16	VirtualNetwork	Deny

* Create an NSG named NSG11 that will be associated to Vnet1/Subnet2 and will have the custom outbound security rules shown in the following table.

Priority	Port	Protocol	Source	Destination	Action
200	3389	TCP	10.1.0.0/16	VirtualNetwork	Deny

Question No : 11 HOTSPOT - (Topic 2)

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

NOTE: Each correct selection is worth one point.

Answer Area		Statements		Yes	No
		VM5 can resolve names in zone2.contoso.com.		<input type="radio"/>	<input type="radio"/>
		VM4 has an automatic registration in zone1.contoso.com.		<input type="radio"/>	<input type="radio"/>
		You can link zone2.contoso.com to Vnet3 and enable auto registration.		<input type="radio"/>	<input type="radio"/>

Answer:

Answer Area		Statements		Yes	No
		VM5 can resolve names in zone2.contoso.com.		<input type="radio"/>	<input checked="" type="radio"/>
		VM4 has an automatic registration in zone1.contoso.com.		<input type="radio"/>	<input checked="" type="radio"/>
		You can link zone2.contoso.com to Vnet3 and enable auto registration.		<input checked="" type="radio"/>	<input type="radio"/>

Question No : 12 CORRECT TEXT - (Topic 2)

You are implementing the Virtual network requirements for Vnet6.

What is the minimum number of subnets and service endpoints you should create? To answer, select the appropriate options in the answer area.

NOTE: Each correct selection is worth one point.

Answer Area

Subnets: 0

Service endpoints: 0

Answer: 2, 4

Question No : 13 HOTSPOT - (Topic 2)

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

NOTE: Each correct selection is worth one point.

Statements	Yes	No
Currently, VM5 can resolve names in zone2.contoso.com.	<input type="radio"/>	<input type="radio"/>
VM4 has an automatic registration in zone1.contoso.com.	<input type="radio"/>	<input type="radio"/>
You can link zone2.contoso.com to Vnet3 and enable auto registration.	<input type="radio"/>	<input type="radio"/>

Answer:

Statements	Yes	No
Currently, VM5 can resolve names in zone2.contoso.com.	<input type="radio"/>	<input checked="" type="radio"/>
VM4 has an automatic registration in zone1.contoso.com.	<input checked="" type="radio"/>	<input type="radio"/>
You can link zone2.contoso.com to Vnet3 and enable auto registration.	<input type="radio"/>	<input checked="" type="radio"/>

Explanation:

Statements	Yes	No
Currently, VM5 can resolve names in zone2.contoso.com.	<input type="radio"/>	<input checked="" type="radio"/>
VM4 has an automatic registration in zone1.contoso.com.	<input checked="" type="radio"/>	<input type="radio"/>
You can link zone2.contoso.com to Vnet3 and enable auto registration.	<input type="radio"/>	<input checked="" type="radio"/>

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Box 1: No

Zone2.contoso.com is not linked to any virtual networks. Therefore, no VMs are able to resolve names in the zone.

Box 2: Yes

VM4 is in VNet3. Zone1.contoso.com has a link to VNet3 and auto-registration is enabled on the link.

Box3: No

VNet3 is linked to zone1.contoso.com and auto-registration is enabled on the link. A virtual network can only have one registration zone. You can link zone2.contoso.com to VNet3 but you won't be able to enable auto-registration on the link.

Question No : 14 HOTSPOT - (Topic 2)

Which virtual machines can VM1 and VM4 ping successfully? To answer, select the appropriate options in the answer area.

NOTE: Each correct selection is worth one point.

VM1:

	▼
VM2 only	
VM2 and VM4 only	
VM2, VM3, and VM4 only	
VM2, VM3, VM4, and VM5	

VM4:

	▼
VM3 only	
VM1 and VM3 only	
VM1, VM2, and VM3 only	
VM1, VM2, VM3, and VM5	

Answer:

VM1:

	▼
VM2 only	
VM2 and VM4 only	
VM2, VM3, and VM4 only	
VM2, VM3, VM4, and VM5	

VM4:

	▼
VM3 only	
VM1 and VM3 only	
VM1, VM2, and VM3 only	
VM1, VM2, VM3, and VM5	

Explanation:

VM1:

	▼
VM2 only	
VM2 and VM4 only	
VM2, VM3, and VM4 only	
VM2, VM3, VM4, and VM5	

VM4:

	▼
VM3 only	
VM1 and VM3 only	
VM1, VM2, and VM3 only	
VM1, VM2, VM3, and VM5	

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Box 1: VM2, VM3 and VM4.

VM1 is in VNet1/Subnet1. VNet1 is peered with VNet2 and VNet3.

There are no NSGs blocking outbound ICMP from VNet1. There are no NSGs blocking inbound ICMP to VNet1/Subnet2, VNet2 or VNet3. Therefore, VM1 can ping VM2 in VNet1/Subnet2, VM3 in VNet2 and VM4 in VNet3.

Box 2:

VM4 is in VNet3. VNet3 is peered with VNet1 and VNet2. There are no NSGs blocking outbound ICMP from VNet3. There are no NSGs blocking inbound ICMP to VNet1/Subnet1, VNet1/Subnet2 or VNet2 from VNet3 (NSG10 blocks inbound ICMP from VNet4 but not from VNet3). Therefore, VM4 can ping VM1 in VNet1/Subnet1, VM2 in VNet1/Subnet2 and VM3 in VNet2.

Question No : 15 HOTSPOT - (Topic 2)

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.

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	

Answer:

Address prefix:

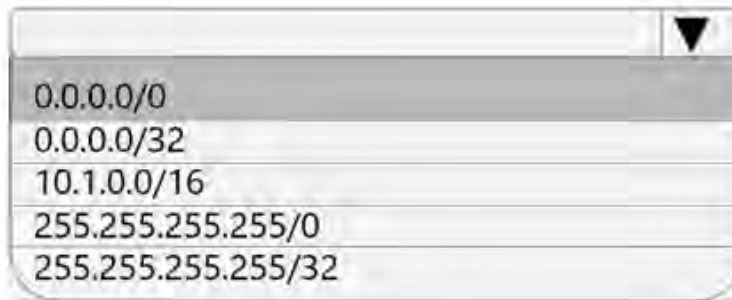
	▼
0.0.0.0/0	
0.0.0.0/32	
10.1.0.0/16	
255.255.255.255/0	
255.255.255.255/32	

Next hop type:

	▼
None	
Internet	
Virtual appliance	
Virtual network	
Virtual network gateway	

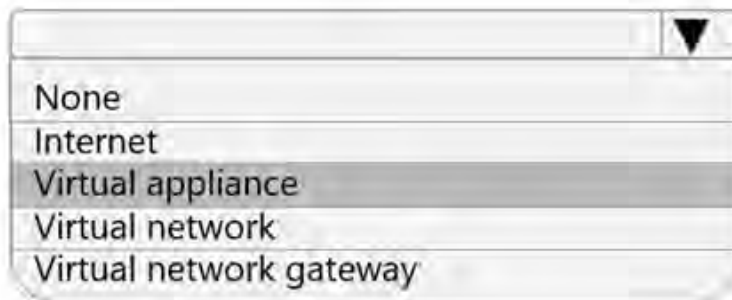
Explanation:

Address prefix:



A dropdown menu with a downward arrow icon. The menu is open, showing five options: 0.0.0.0/0, 0.0.0.0/32, 10.1.0.0/16, 255.255.255.255/0, and 255.255.255.255/32. The first option, 0.0.0.0/0, is highlighted.

Next hop type:



A dropdown menu with a downward arrow icon. The menu is open, showing five options: None, Internet, Virtual appliance, Virtual network, and Virtual network gateway. The 'Virtual appliance' option is highlighted.

Graphical user

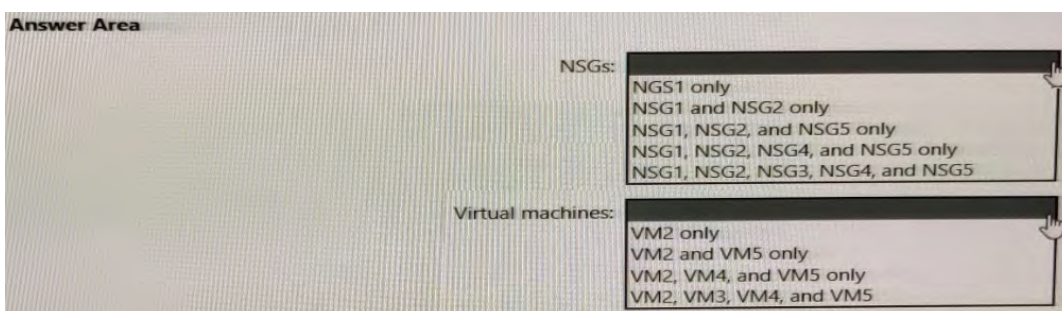
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Question No : 16 HOTSPOT - (Topic 2)

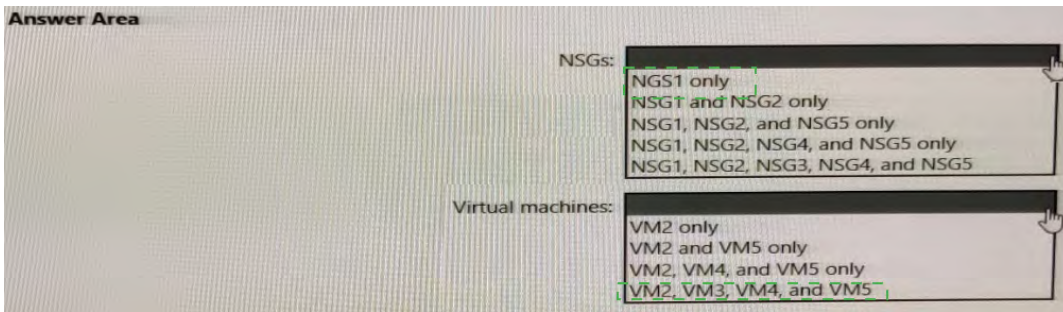
In which NSGs can you use ASG1 and to which virtual machine network interfaces can you associate ASG1? To answer, select the appropriate options in the answer area.

NOTE: Each correct selection is worth one point.



The Answer Area shows two selection lists. The first list, labeled 'NSGs:', contains five options: 'NGS1 only', 'NSG1 and NSG2 only', 'NSG1, NSG2, and NSG5 only', 'NSG1, NSG2, NSG4, and NSG5 only', and 'NSG1, NSG2, NSG3, NSG4, and NSG5'. The second list, labeled 'Virtual machines:', contains four options: 'VM2 only', 'VM2 and VM5 only', 'VM2, VM4, and VM5 only', and 'VM2, VM3, VM4, and VM5'. Both lists have a hand icon pointing to the right, indicating they are interactive.

Answer:



Explanation: NSG1 only
VM2, VM3, VM4 and VM5

Question No : 17 - (Topic 2)

What should you implement to meet the virtual network requirements for the virtual machines that connect to Vnet4 and Vnet5?

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

Answer: B

Explanation:

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

Question No : 18 - (Topic 2)

You need to configure GW1 to meet the network security requirements for the P2S VPN users.

Which Tunnel type should you select in the Point-to-site configuration settings of GW1?

- A. IKEv2 and OpenVPN (SSL)
- B. IKEv2
- C. IKEv2 and SSTP (SSL)
- D. OpenVPN (SSL)
- E. SSTP (SSL)

Answer: D

Reference:

<https://docs.microsoft.com/en-us/azure/vpn-gateway/openvpn-azure-ad-tenant>

Question No : 19 HOTSPOT - (Topic 2)

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

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

NOTE: Each correct selection is worth one point.

Statements	Yes	No
From VM1, you can establish a Remote Desktop session with VM2.	<input type="radio"/>	<input type="radio"/>
From VM2, you can ping VM1.	<input type="radio"/>	<input type="radio"/>
From VM2, you can establish a Remote Desktop session with VM1.	<input type="radio"/>	<input type="radio"/>

Answer:

Statements	Yes	No
From VM1, you can establish a Remote Desktop session with VM2.	<input checked="" type="radio"/>	<input type="radio"/>
From VM2, you can ping VM1.	<input checked="" type="radio"/>	<input type="radio"/>
From VM2, you can establish a Remote Desktop session with VM1.	<input type="radio"/>	<input checked="" type="radio"/>

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 No : 20 HOTSPOT - (Topic 2)

You need to meet the network security requirements for the NSG flow logs.

Which type of resource do you need, and how many instances should you create? To answer, select the appropriate options in the answer area.

NOTE: Each correct selection is worth one point.

Answer Area

Resource type:

- ☐ An Azure Monitor workbook
- ☐ An Azure Monitor data collection rule
- ☐ A Log Analytics workspace
- ☐ An NSG
- ☐ A storage account

Minimum number of instances:

Answer:

Answer Area

Resource type:

- ☐ An Azure Monitor workbook
- ☐ An Azure Monitor data collection rule
- ☐ A Log Analytics workspace
- ☒ An NSG
- ☐ A storage account

Minimum number of instances:

Topic 3, Mix Questions

Question No : 21 HOTSPOT - (Topic 3)

You are planning an Azure Front Door deployment that will contain the resources shown in the following table.

Name	Type
ASP93	App Service plan
Webapp93.azurewebsites.net	App Service
FD93.azurefd.net	Front Door

Users will connect to the App Service through Front Door by using a URL of <https://www.fabrikam.com>. You obtain a certificate for the host name of www.fabrikam.com.

You need to configure a DNS record for www.fabrikam.com and upload the certificate to Azure. What should you do? To answer, select the appropriate options in the answer area.
NOTE: Each correct selection is worth one point.

Answer Area

Upload the certificate to:

- A secret in Azure Key Vault
- A certificate in Active Directory Certificate Services (AD CS)
- A custom rule in Azure Web Application Firewall (WAF)
- An enterprise application in Azure AD
- A secret in Azure Key Vault

Set the DNS record target to:

- FD93.azurefd.net
- ASP93
- fabrikam.com
- FD93.azurefd.net
- Webapp93.azurewebsites.net

Answer:

Answer Area

Upload the certificate to:

- A secret in Azure Key Vault
- A certificate in Active Directory Certificate Services (AD CS)
- A custom rule in Azure Web Application Firewall (WAF)
- An enterprise application in Azure AD
- A secret in Azure Key Vault

Set the DNS record target to:

- FD93.azurefd.net
- ASP93
- fabrikam.com
- FD93.azurefd.net
- Webapp93.azurewebsites.net

Explanation:

Answer Area

Upload the certificate to: A secret in Azure Key Vault

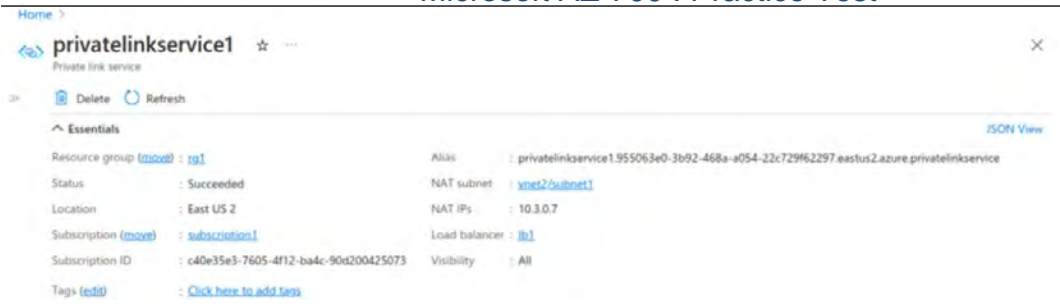
Set the DNS record target to: FD93.azurefd.net

Question No : 22 HOTSPOT - (Topic 3)

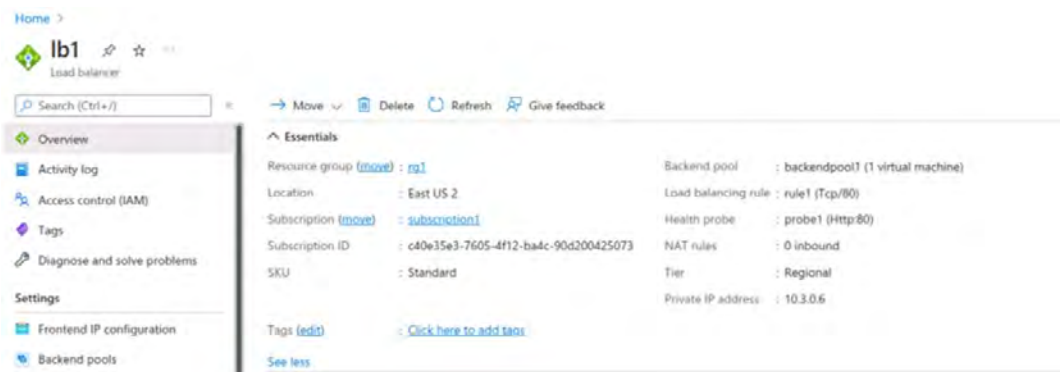
You have two Azure subscriptions named Subscription1 and Subscription2.

There are no connections between the virtual networks in two subscriptions.

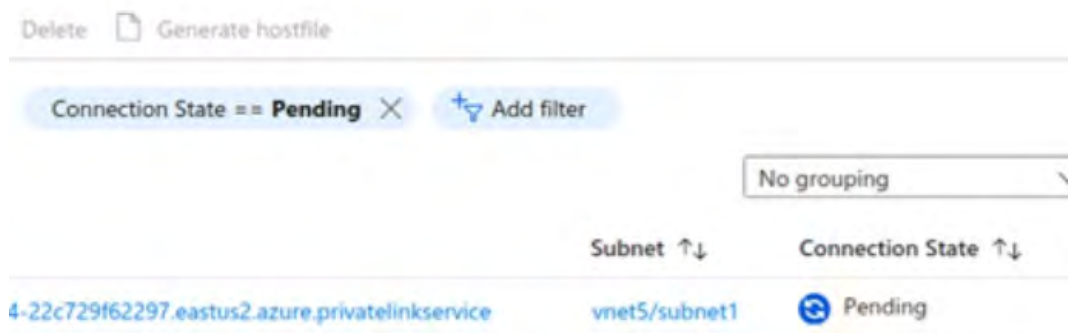
You configure a private link service as shown in the `privatelinkservice1` exhibit. (Click the `privatelinkservice1` tab.)



You create a load balancer name in Subscription1 and configure the backend pool shown in the lb1 exhibit. (Click tie 1b1 tab.)



You create a private endpoint in Subscription2 as shown in the privateendpoint4 exhibit. (Click the privateendpoint4)



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

Statements	Yes	No
The resources that will be accessed by using privatelinkservice1 must be added to backendpool1 on LB1.	<input type="radio"/>	<input type="radio"/>
Users in Subscription2 can connect to the resources published by privatelinkservice1 by using IP address 10.3.0.7.	<input type="radio"/>	<input type="radio"/>
The private endpoint must be approved by an administrator in Subscription1.	<input type="radio"/>	<input type="radio"/>

Answer:

Statements	Yes	No
The resources that will be accessed by using privatelinkservice1 must be added to backendpool1 on LB1.	<input checked="" type="radio"/>	<input type="radio"/>
Users in Subscription2 can connect to the resources published by privatelinkservice1 by using IP address 10.3.0.7.	<input checked="" type="radio"/>	<input type="radio"/>
The private endpoint must be approved by an administrator in Subscription1.	<input type="radio"/>	<input checked="" type="radio"/>

Explanation:

Yes, Yes, No

Question No : 23 HOTSPOT - (Topic 3)

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 if the statement is true. Otherwise, select No.

NOTE: Each correct selection is worth one point.

Statements	Yes	No
Traffic from VM2 to the internet is routed through the New-York Site-to-Site VPN connection	<input type="radio"/>	<input type="radio"/>
Traffic from VM1 to VM2 is routed through the New-York Site-to-Site VPN connection	<input type="radio"/>	<input type="radio"/>
Traffic from VM1 to the internet is routed through the New-York Site-to-Site VPN connection	<input type="radio"/>	<input type="radio"/>

Answer:

Statements	Yes	No
Traffic from VM2 to the internet is routed through the New-York Site-to-Site VPN connection	<input type="radio"/>	<input checked="" type="radio"/>
Traffic from VM1 to VM2 is routed through the New-York Site-to-Site VPN connection	<input type="radio"/>	<input checked="" type="radio"/>
Traffic from VM1 to the internet is routed through the New-York Site-to-Site VPN connection	<input checked="" type="radio"/>	<input type="radio"/>

Explanation:

Statements	Yes	No
Traffic from VM2 to the internet is routed through the New-York Site-to-Site VPN connection	<input type="radio"/>	<input checked="" type="radio"/>
Traffic from VM1 to VM2 is routed through the New-York Site-to-Site VPN connection	<input type="radio"/>	<input checked="" type="radio"/>
Traffic from VM1 to the internet is routed through the New-York Site-to-Site VPN connection	<input checked="" type="radio"/>	<input type="radio"/>

A screenshot of

a computer

Description automatically generated with medium confidence

Question No : 24 - (Topic 3)

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 2

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 and IP3 only
- B. IP3 only
- C. IP3 and IP5 only
- D. IP2only
- E. IP1, IP2, IP3, IP4, and IP5
- F. IP1, IP3, IP4, and 1P5 only

Answer: C

Reference:

<https://docs.microsoft.com/en-us/azure/virtual-network/virtual-network-public-ip-address>

This is because "Load balancer and the public IP address SKU must match when you use them with public IP addresses" <https://docs.microsoft.com/en-us/azure/load-balancer/skus>

Standard SKU Load Balancer routes traffic within and across regions, and to Availability Zones for high resiliency.

Question No : 25 HOTSPOT - (Topic 3)