



# **DUMPS BASE EXAM DUMPS**

## **MICROSOFT AZ-700**

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Designing and Implementing Microsoft Azure  
Networking Solutions

## 1. 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	<b>None</b>
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

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

### Requirements:

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## 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 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.

## 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.

Minimum number of custom NSG rules:

1
2
3
4
5

Minimum number of NSG assignments:

1
2
3
4
5

Answer:

Base AZ-700

Minimum number of custom NSG rules:

1
2
3
4
5

Minimum number of NSG assignments:

1
2
3
4
5

Explanation:

Graphical user interface, text, application

Description automatically generated

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 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.

## 2.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.

Set the ExpressRoute gateway type to:

High Performance (ERGW2AZ)  
Standard Performance (ERGW1AZ)  
Ultra Performance (ERGW3AZ)

To minimize latency of traffic to Vnet2:

Create a dedicated ExpressRoute circuit for Vnet2  
Connect Vnet2 directly to the ExpressRoute circuit  
Configure gateway transit for the peering between Vnet1 and Vnet2

Answer:

Set the ExpressRoute gateway type to:

High Performance (ERGW2AZ)  
Standard Performance (ERGW1AZ)  
Ultra Performance (ERGW3AZ)

To minimize latency of traffic to Vnet2:

Create a dedicated ExpressRoute circuit for Vnet2  
Connect Vnet2 directly to the ExpressRoute circuit  
Configure gateway transit for the peering between Vnet1 and Vnet2

Explanation:

Graphical user interface, text, application

Description automatically generated

3.You need to configure the default route in Vnet2 and Vnet3. The solution must meet the virtual networking requirements.

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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: B

Explanation:

Reference: <https://docs.microsoft.com/en-us/azure/firewall/tutorial-hybrid-portal>

4. 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

5. 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: D

6. 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.

NOTE: Each correct selection is worth one point.

**Answer Area**

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

Answer:

**Answer Area**

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

### 7.DRAG DROP

You need to implement outbound connectivity for VMSSet1. 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

- 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 VMSSet1
- Create a NAT rule
- Create an outbound rule

#### Answer Area

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 backend pool that contains VMSScaleSet1
Create a public load balancer in the Basic SKU	Create an outbound rule
Create a backend pool that contains VMSScaleSet1	
Create a NAT rule	
Create an outbound rule	

Explanation:

Graphical user interface, text, application

Description automatically generated

## 8.HOTSPOT

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:

▼

Create virtual network links

Configure conditional forwarding

Create an SOA record in cloud.litwareinc.com

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

▼

Enable the Azure Firewall DNS proxy

Create SRV records in cloud.litwareinc.com

Deploy an Azure virtual machine configured as a DNS server to Vnet1

Answer:

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

- Create virtual network links
- Configure conditional forwarding
- Create an SOA record in cloud.litwareinc.com

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

- Enable the Azure Firewall DNS proxy
- Create SRV records in cloud.litwareinc.com
- Deploy an Azure virtual machine configured as a DNS server to Vnet1

Explanation:

Graphical user interface, text, application  
Description automatically generated

### 9.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.

#### Actions

- 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 Area

Answer:

#### Actions

- 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 Area

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

## 10. 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

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.

### 11.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.

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:

Graphical user interface, text application

Description automatically generated

## 12.HOTSPOT

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:

**13.CORRECT TEXT**

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:

Service endpoints:

Answer:

2, 4

**14.HOTSPOT**

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 type="radio"/>	<input checked="" 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:

Graphical user interface, text, application, email

Description automatically generated

Box 1: No

NSG10 which is attached to VM1's subnet blocks RDP (port TCP 3389) to 'Any' which means the port is blocked to all destinations.

Box 2: Yes

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

Box 3: 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.

## 15.HOTSPOT

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:

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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:

Text

Description automatically generated

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.

16.HOTSPOT

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
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
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"/>

17. 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
- B. IKEv2 and SSTP (SSL)
- C. OpenVPN (SSL)
- D. SSTP (SSL)

Answer: D

Explanation:

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

18. HOTSPOT

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.

## Answer Area

NSGs:

NSG1 only  
NSG1 and NSG2 only  
NSG1, NSG2, and NSG5 only  
NSG1, NSG2, NSG4, and NSG5 only  
NSG1, NSG2, NSG3, NSG4, and NSG5

Virtual machines:

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

Answer:

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## Answer Area

NSGs:

NSG1 only  
NSG1 and NSG2 only  
NSG1, NSG2, and NSG5 only  
NSG1, NSG2, NSG4, and NSG5 only  
NSG1, NSG2, NSG3, NSG4, and NSG5

Virtual machines:

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

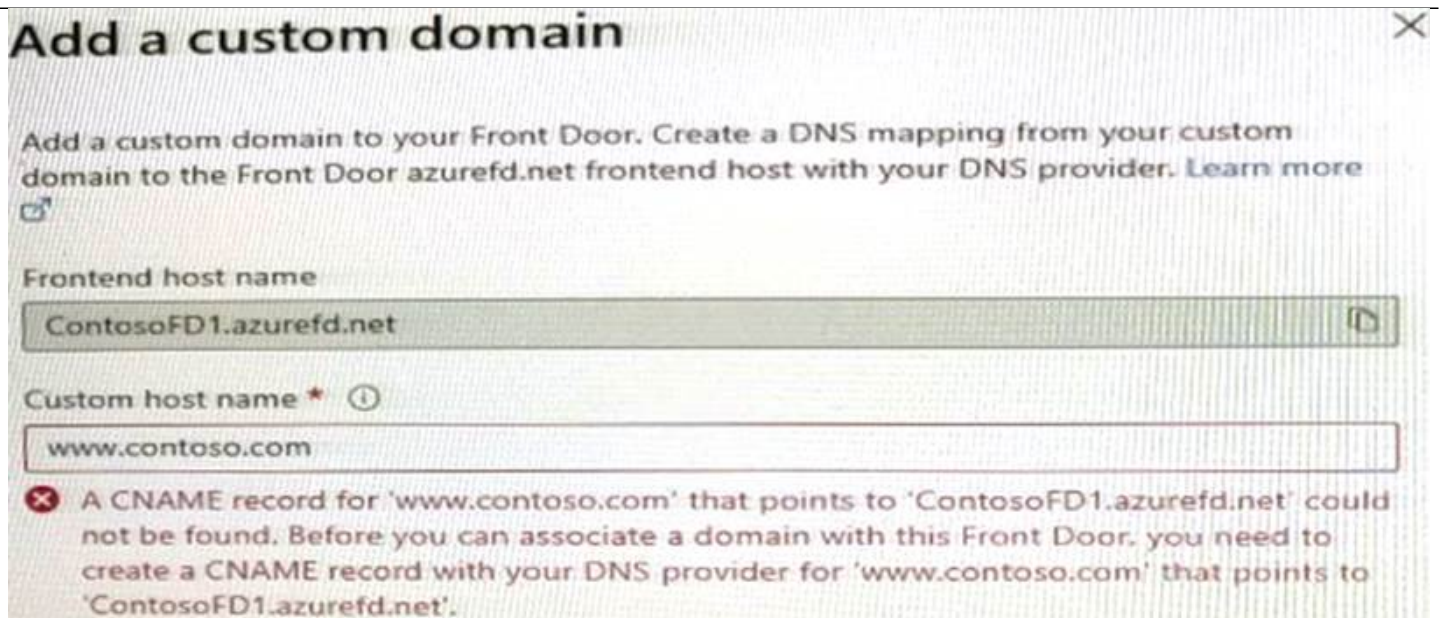
## 19. Topic 3, Mix Questions

You have a website that uses an FQDN of `www.contoso.com`. The DNS record for `www.contoso.com` resolves to an on-premises 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.



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

Answer: A

20. 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

Answer: A

### 21.HOTSPOT

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.

**Answer Area**

Routing type:

- Policy-based
- Route-based
- Static routing

Number of virtual network gateways:

- 1
- 2
- 3

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Answer:

## Answer Area

Routing type:

Policy-based  
Route-based  
Static routing

Number of virtual network gateways:

1  
2  
3

22. 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.

```
{
  "timeStamp": "2021-06-02T18:13:45+00:00",
  "resourceId": "/SUBSCRIPTIONS/6efbb4a5-d91a-4e4a-b6bf-5bdd6efea73c/RESOURCEGROUPS/RG1/PROVIDERS/MICROSOFT.NETWORK/APPLICATIONGATEWAYS/AGM1",
  "operationName": "ApplicationGatewayFirewall",
  "category": "ApplicationGatewayFirewalllog",
  "properties": {
    "instanceId": "appgw_0",
    "clientIp": "137.135.10.24",
    "clientPort": "",
    "requestUri": "/login",
    "ruleSetType": "OWASP CRS",
    "ruleSetVersion": "3.0.0",
    "ruleId": "920300",
    "message": "Request Missing an Accept Header",
    "action": "Matched",
    "site": "Global",
    "details": {
      "message": "Warning: Match of '\\\\\"pm AppleWebKit Android\\\\\"' against '\\\\\"REQUEST_HEADERS:User-Agent\\\\\"' required. ",
      "data": "",
      "file": "rules\\REQUEST-920-PROTOCOL-ENFORCEMENT.conf",
      "line": "1247"
    }
  },
  "hostname": "appl.contoso.com",
  "transactionId": "d654811d0hgqlx198165hq7428d74hh",
  "policyId": "default",
  "policyScope": "Global",
  "policyScopeName": "Global"
}
```

You need to ensure that the URL is accessible through the application gateway.

Solution: You configure a custom cookie and an exclusion rule.

Does this meet the goal?

A. Yes

B. No

Answer: A

23. 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 on-premises virtual machine.

What should you use?

A. Azure Monitor

B. IP flow verify

C. Connection Monitor

D. Azure Internet Analyzer

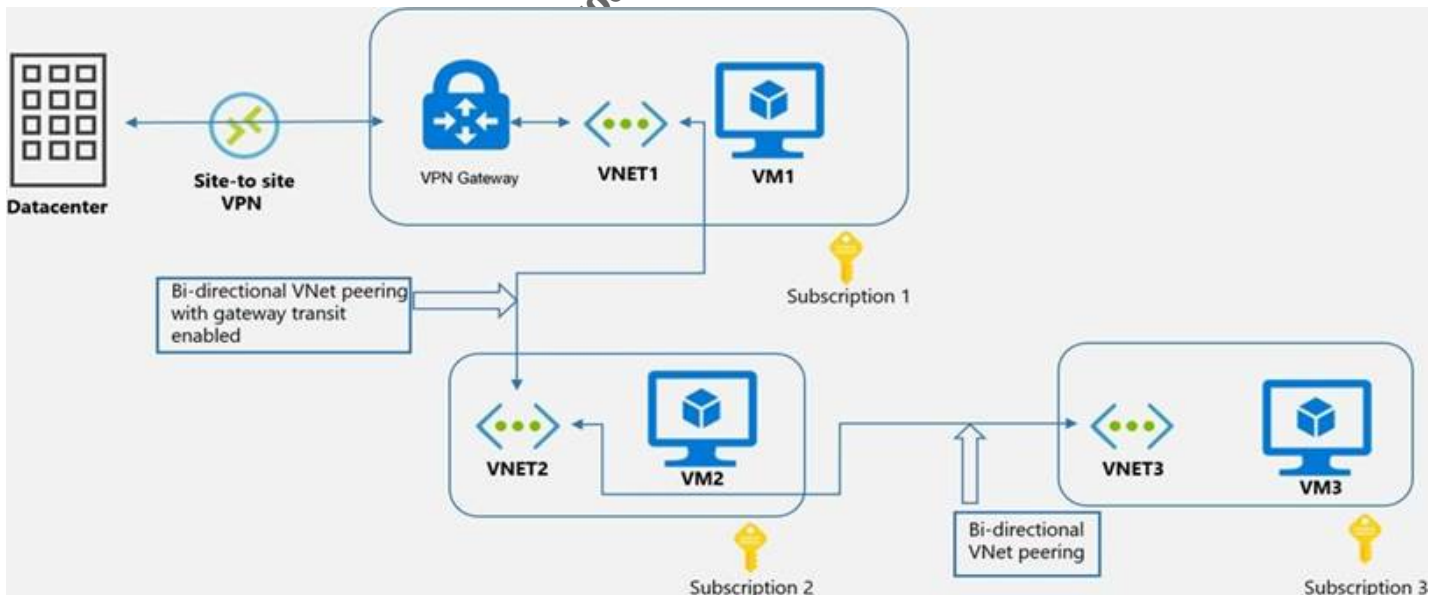
Answer: C

Explanation:

Reference: <https://docs.microsoft.com/en-us/azure/network-watcher/connection-monitor>

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

VM1 can communicate with  
(answer choice):

▼
VM2 only
VM2 and VM3 only
the on-premises datacenter and VM2 only
the on-premises datacenter, VM2, and VM3 only

VM2 can communicate with  
(answer choice):

▼
VM1 only
VM1 and VM3 only
the on-premises datacenter and VM3 only
the on-premises datacenter, VM1, and VM3 only

Answer:

VM1 can communicate with  
(answer choice):

▼
VM2 only
VM2 and VM3 only
the on-premises datacenter and VM2 only
the on-premises datacenter, VM2, and VM3 only

VM2 can communicate with  
(answer choice):

▼
VM1 only
VM1 and VM3 only
the on-premises datacenter and VM3 only
the on-premises datacenter, VM1, and VM3 only

Explanation:

Graphical user interface, text, application  
Description automatically generated

25.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

Answer: A

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>

26. Azure virtual networks in the East US Azure region as shown in the following table.

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

The virtual networks are peered to one another. Each virtual network contains four subnets.

You plan to deploy a virtual machine named VM1 that will inspect and route traffic between all the subnets on both the virtual networks.

What is the minimum number of IP addresses that you must assign to VM1?

A. 1

B. 2

C. 4

D. 8

Answer: B

27. 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 end points 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.

**Answer Area**

Traffic Manager algorithm:

- Geographic
- Multivalued
- Priority
- Subnet

Endpoint type:

- Azure endpoint
- External endpoint
- Nested endpoint

Answer:

**Answer Area**

Traffic Manager algorithm:

- Geographic
- Multivalued
- Priority
- Subnet

Endpoint type:

- Azure endpoint
- External endpoint
- Nested endpoint

28. You have an Azure subscription that is linked to an Azure Active Directory (Azure AD) tenant named contoso.onmicrosoft.com.

The subscription contains the following resources:

- \* An Azure App Service app named App1
- \* An Azure DNS zone named contoso.com

---

\* An Azure private DNS zone named private.contoso.com

\* A virtual network named Vnet1

You create a private endpoint for App1. The record for the endpoint is registered automatically in Azure DNS.

You need to provide a developer with the name that is registered in Azure DNS for the private endpoint.

What should you provide?

A. app1.privatelink.azurewebsites.net

B. app1.contoso.com

C. app1.contoso.onmicrosoft.com

D. app1.private.contoso.com

Answer: A

29. You plan to deploy an 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. VPN gateway

B. Azure Bastion

C. Azure Active Directory Domain Services (Azure AD DS)

D. Azure Application Gateway v2

E. Azure Private Link

Answer: A,B,D

Explanation:

Reference: <https://docs.microsoft.com/en-us/azure/virtual-network/virtual-network-for-azure-services>

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