

## Exam Questions AZ-700

Designing and Implementing Microsoft Azure Networking Solutions

<https://www.2passeasy.com/dumps/AZ-700/>



**NEW QUESTION 1**

- (Exam 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

**NEW QUESTION 2**

- (Exam 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.

**Answer Area**

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

- A. Mastered
- B. Not Mastered

**Answer:** A

**Explanation:**

Graphical user interface, text, application Description automatically generated

Reference:

<https://docs.microsoft.com/en-us/azure/dns/private-dns-autoregistration>

<https://docs.microsoft.com/en-us/azure/virtual-network/virtual-networks-name-resolution-for-vms-and-role-insta>

**NEW QUESTION 3**

- (Exam Topic 1)

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**

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



- A. Mastered
- B. Not Mastered

Answer: A

**Explanation:**

Graphical user interface, text, application Description automatically generated

Reference:

<https://docs.microsoft.com/en-us/azure/load-balancer/skus>

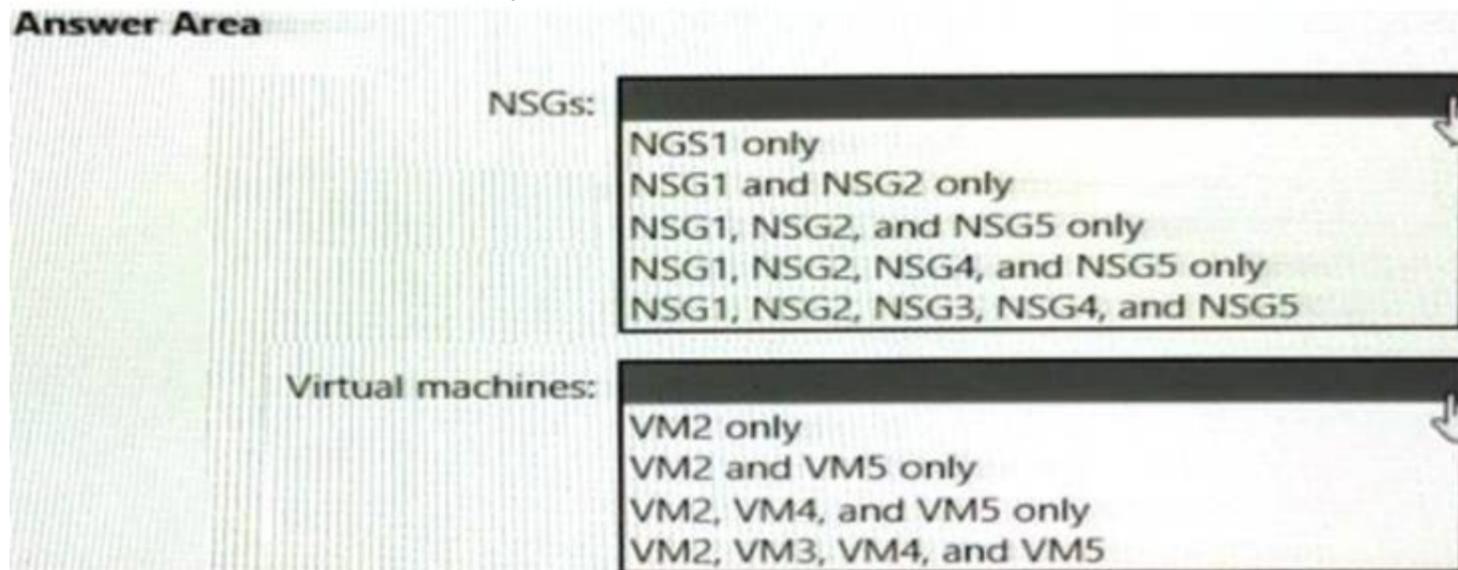
<https://docs.microsoft.com/en-us/azure/load-balancer/load-balancer-outbound-connections#outboundrules>

**NEW QUESTION 4**

- (Exam 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.

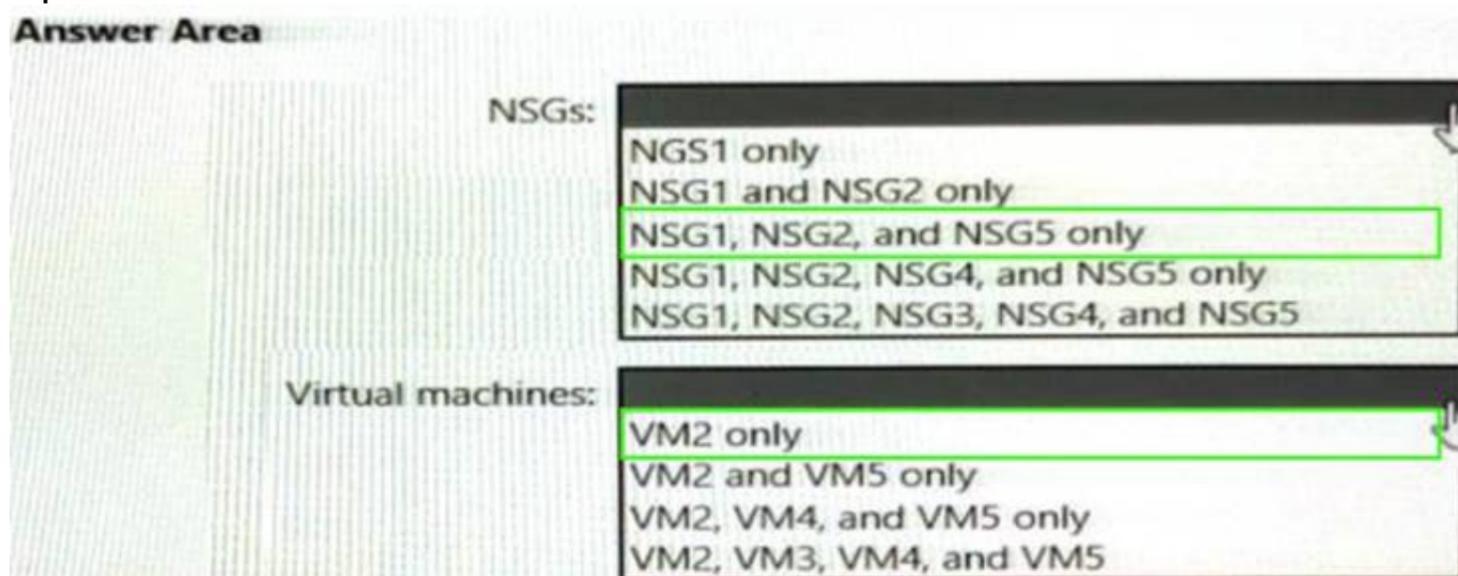
NOTE: Each correct selection is worth one point.



- A. Mastered
- B. Not Mastered

Answer: A

**Explanation:**



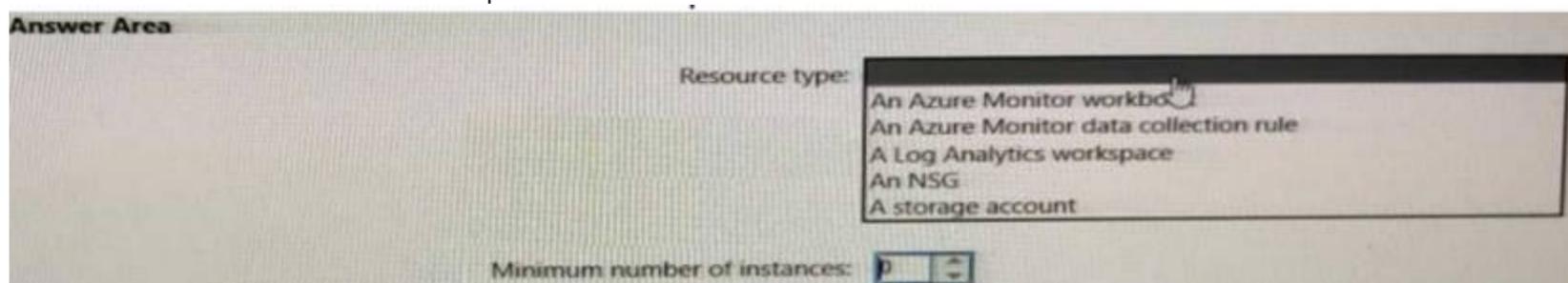
**NEW QUESTION 5**

- (Exam 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.

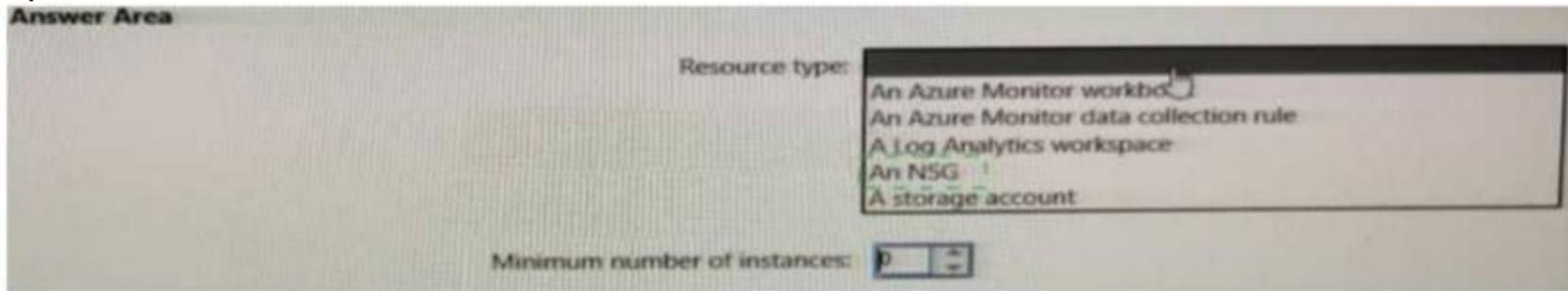
NOTE: Each correct selection is worth one point.



- A. Mastered
- B. Not Mastered

Answer: A

Explanation:



**NEW QUESTION 6**

- (Exam Topic 2)

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

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

Answer: B

Explanation:

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

**NEW QUESTION 7**

- (Exam 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.

**Answer Area**

VM1:

|  |
|--|
| <input type="checkbox"/> VM2 only<br><input type="checkbox"/> VM2 and VM4 only<br><input type="checkbox"/> VM2, VM3, and VM4 only<br><input type="checkbox"/> VM2, VM3, VM4, and VM5 |
|--|

VM4:

|  |
|--|
| <input type="checkbox"/> VM3 only<br><input type="checkbox"/> VM1 and VM3 only<br><input type="checkbox"/> VM1, VM2, and VM3 only<br><input type="checkbox"/> VM1, VM2, VM3, and VM5 |
|--|

- A. Mastered
- B. Not Mastered

Answer: A

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.

**NEW QUESTION 8**

- (Exam Topic 3)

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

**Answer:** A

**Explanation:**

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

**NEW QUESTION 9**

- (Exam Topic 3)

Your company has offices in Montreal, Seattle, and Paris. The outbound traffic from each office originates from a specific public IP address. You create an Azure Front Door instance named FD1 that has Azure Web Application Firewall (WAF) enabled. You configure a WAF policy named 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 conditions of Rule1.
- B. Create two additional associations.
- C. Modify the rule type of Rule1.
- D. Modify the rate limit threshold of Rule1.

**Answer:** B

**NEW QUESTION 10**

- (Exam Topic 3)

You are planning an Azure solution that will contain the following types of resources in a single Azure region:

- > Virtual machine
- > Azure App Service
- > Virtual Network gateway
- > Azure SQL Managed Instance

App Service and SQL Managed Instance will be delegated to create resources in virtual networks. You need to identify how many virtual networks and subnets are required for the solution. The solution must minimize costs to transfer data between virtual networks.

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

**Answer Area**

Virtual Networks:

|   |
|---|
| 1 |
| 2 |
| 3 |
| 4 |

Subnets:

|   |
|---|
| 1 |
| 2 |
| 3 |
| 4 |

- A. Mastered
- B. Not Mastered

**Answer:** A

**Explanation:**

Diagram, table Description automatically generated  
 Reference:  
<https://docs.microsoft.com/en-us/azure/virtual-network/virtual-network-for-azure-services#services-that-can-be>

**NEW QUESTION 10**

- (Exam Topic 3)

Note: This question is part of a series of questions that present the same scenario. Each question in the series contains a unique solution that might meet the

stated goals. Some question sets might have more than one correct solution, while others might not have a correct solution. After you answer a question in this section, you will NOT be able to return to it. As a result, these questions will not appear in the review screen. You have 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

**Answer: B**

**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>

**NEW QUESTION 12**

- (Exam Topic 3)

You have two Azure subscriptions named Subscription1 and Subscription2. Subscription1 contains a virtual network named Vnet1. Vnet1 contains an application server. Subscription2 contains a virtual network named Vnet2. You need to provide the virtual machines in Vnet2 with access to the application server in Vnet1 by using a private endpoint. Which four actions should you perform in sequence? To answer, move the appropriate actions from the list of actions to the answer area and arrange them in the correct order.

| Actions   | Answer Area |
|---|-------------|
| Deploy an Azure Standard Load Balancer in front of the application server.  |             |
| In Subscription1, accept the private endpoint connection request.   |             |
| In Subscription1, create a private link service and attach the service to the frontend IP configuration of the load balancer. |             |
| In Subscription2, create a private endpoint by using the private link service ID.   |             |
| Enable virtual network peering between Vnet1 and Vnet2.   |             |

- A. Mastered
- B. Not Mastered

**Answer: A**

**Explanation:**

**Answer Area**

|   |
|---|
| In Subscription1, accept the private endpoint connection request.   |
| Enable virtual network peering between Vnet1 and Vnet2.   |
| Deploy an Azure Standard Load Balancer in front of the application server.  |
| In Subscription1, create a private link service and attach the service to the frontend IP configuration of the load balancer. |

**NEW QUESTION 13**

- (Exam Topic 3)

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 private endpoint
- C. a subnet delegation
- D. an application security group

**Answer: A**

**Explanation:**

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

**NEW QUESTION 16**

- (Exam Topic 3)

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.

**Answer Area**

| Statements  | Yes                   | No                    |
|---|-----------------------|-----------------------|
| Internet traffic from NVA1 is routed to the on-premises network.    | <input type="radio"/> | <input type="radio"/> |
| Traffic from VM1 is routed to the on-premises network through NVA1. | <input type="radio"/> | <input type="radio"/> |
| Traffic from VM1 is routed to VM2 through NVA1.                     | <input type="radio"/> | <input type="radio"/> |

- A. Mastered
- B. Not Mastered

Answer: A

**Explanation:**

**Answer Area**

| Statements  | Yes                              | No                    |
|---|----------------------------------|-----------------------|
| Internet traffic from NVA1 is routed to the on-premises network.    | <input checked="" type="radio"/> | <input type="radio"/> |
| Traffic from VM1 is routed to the on-premises network through NVA1. | <input checked="" type="radio"/> | <input type="radio"/> |
| Traffic from VM1 is routed to VM2 through NVA1.                     | <input checked="" type="radio"/> | <input type="radio"/> |

**NEW QUESTION 20**

- (Exam Topic 3)

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

| Name  | In resource group | Location   |
|-------|-------------------|------------|
| Vnet1 | RG1               | West US    |
| Vnet2 | RG1               | Central US |
| Vnet3 | RG2               | Central US |
| Vnet4 | RG2               | West US    |
| Vnet5 | RG3               | East US    |

You plan to deploy an Azure firewall named AF1 to RG1 in the West US Azure region. To which virtual networks can you deploy AF1?

- A. Vnet1 only
- B. Vnet1 and Vnet2 only
- C. Vnet1, Vnet2, and Vnet4 only
- D. Vnet1 and Vnet4 only
- E. Vnet1, Vnet2, Vnet3, and Vnet4

Answer: C

**NEW QUESTION 23**

- (Exam Topic 3)

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 if the statement is true. Otherwise, select No. NOTE: Each correct selection is worth one point.

**Answer Area**

| Statements  | Yes                   | No                    |
|---|-----------------------|-----------------------|
| From 131.107.10.15, you can access www.contoso.com  | <input type="radio"/> | <input type="radio"/> |
| From 131.107.10.15, you can access www.fabrikam.com | <input type="radio"/> | <input type="radio"/> |
| From 131.107.10.15, you can access www.adatum.com   | <input type="radio"/> | <input type="radio"/> |

- A. Mastered
- B. Not Mastered

Answer: A

**Explanation:**

Graphical user interface Description automatically generated with medium confidence

Reference:

<https://docs.microsoft.com/en-us/azure/web-application-firewall/ag/per-site-policies>

**NEW QUESTION 27**

- (Exam Topic 3)

You have an Azure subscription that contains the public IP addresses shown in the following table.

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

You plan to deploy a NAT gateway named NAT1.

Which public IP addresses can be used as the public IP address for NAT1?

- A. IP3 and IP5 only
- B. IP5 only

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

**Answer:** D

**Explanation:**

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

**NEW QUESTION 30**

- (Exam Topic 3)

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. an allow rule that has the IP address range of Vnet1 as the source and destination of Sql.EastUS
- B. a deny rule that has a source of VirtualNetwork and a destination of Sql
- 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

**Answer:** CD

**NEW QUESTION 34**

- (Exam Topic 3)

You have an Azure subscription that is linked to an Azure Active Directory (Azure AD) tenant named contoso.onmicrosoft.com. The subscription contains the following resources:

- \* An Azure App Service app named App1
- \* An Azure DNS zone named contoso.com
- \* An Azure private DNS zone named private.contoso.com
- \* A virtual network named Vnet1

You create a private endpoint for App1. The record for the endpoint is registered automatically in Azure DNS. You need to provide a developer with the name that is registered in Azure DNS for the private endpoint.

What should you provide?

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

**Answer:** A

**NEW QUESTION 39**

- (Exam Topic 3)

You have two Azure virtual networks named Vnet1 and Vnet2 in an Azure region that has three availability zones.

You deploy 12 virtual machines to each virtual network, deploying four virtual machines per zone. The virtual machines in Vnet1 host an app named App1. The virtual machines in Vnet2 host an app named App2.

You plan to use Azure Virtual Network NAT to implement outbound connectivity for App1 and App2. You need to identify the minimum number of subnets and Virtual Network NAT instances required to meet the following requirements:

- A failure of two zones must NOT affect the availability of either App1 or App2.
- A failure of two zones must NOT affect the outbound connectivity of either 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.

**Answer Area**

Minimum number of subnets:

|    |
|----|
| 1  |
| 2  |
| 6  |
| 12 |

Minimum number of Virtual Network NAT instances:

|    |
|----|
| 1  |
| 2  |
| 6  |
| 12 |

- A. Mastered
- B. Not Mastered

**Answer:** A

**Explanation:**

Answer Area

Minimum number of subnets: 1

Minimum number of Virtual Network NAT instances: 2

**NEW QUESTION 40**

- (Exam Topic 3)

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

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

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

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

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

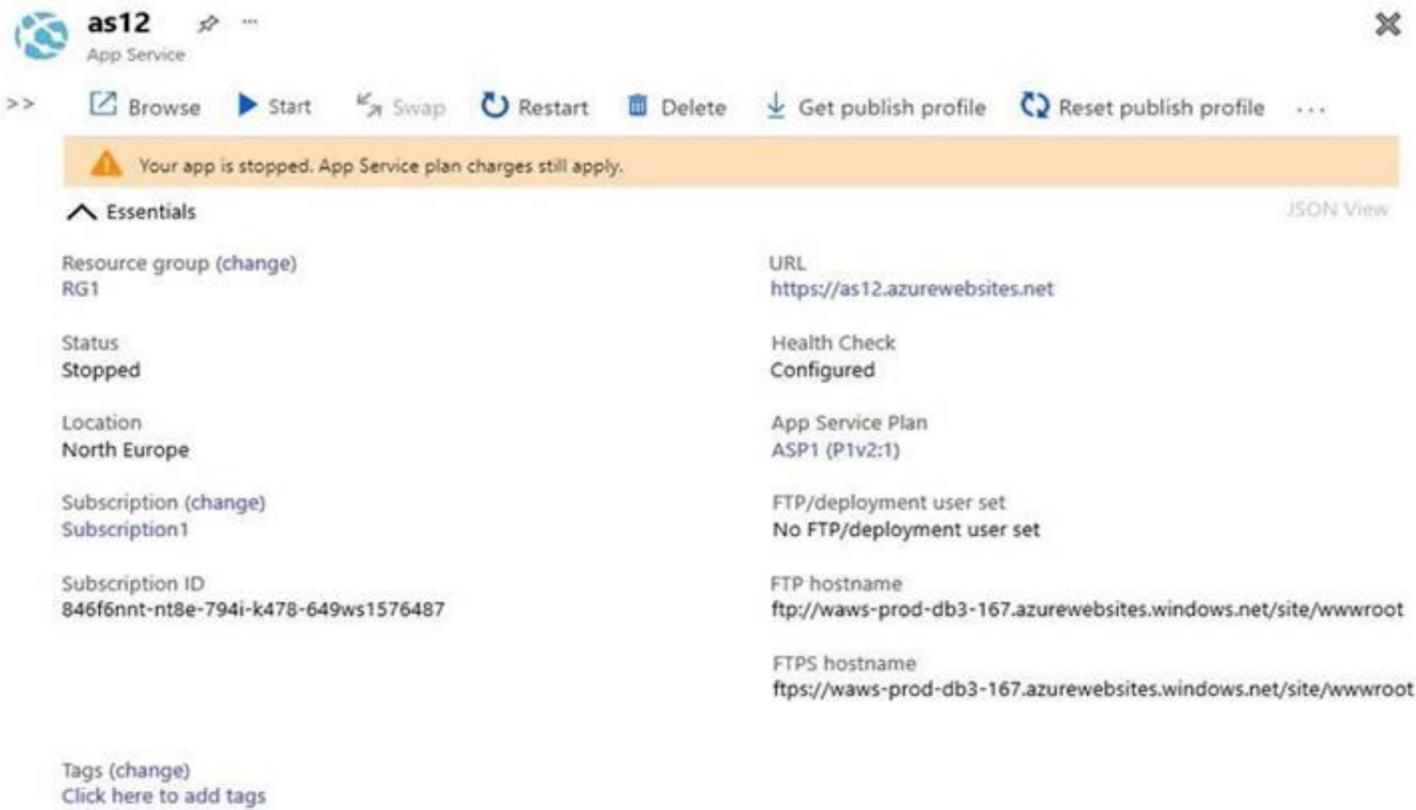
- A. 1
- B. 2
- C. 4
- D. 8

Answer: A

**NEW QUESTION 44**

- (Exam Topic 3)

You have the Azure App Service app shown in the App Service exhibit.



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

 **VNet Integration**  
as12

 Disconnect  Refresh

 **VNet Configuration**

Securely access resources available in or through your Azure VNet. [Learn more](#)

**VNet Details**

VNet NAME: Vnet1  
 LOCATION: North Europe

**VNet Address Space**

| Start Address | End Address    |
|---------------|----------------|
| 10.100.0.0    | 10.100.255.255 |

**Subnet Details**

Subnet NAME: Subnet1

**Subnet Address Space**

| Start Address | End Address  |
|---------------|--------------|
| 10.100.2.0    | 10.100.2.255 |

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

 **Private Endpoint connections**

 Add  Refresh |  Approve  Reject  Remove

 **Private Endpoint connections**

Private access to services hosted on the Azure platform, keeping your data on the Microsoft network [Learn more](#)

Connection name ↑↓ Connection state ↑↓ Private endpoint ↑↓ Description

No results.

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

**Answer Area**

| Statements  | Yes                   | No                    |
|---|-----------------------|-----------------------|
| Subnet2 can contain only App Service apps in the ASP1 App Service plan            | <input type="radio"/> | <input type="radio"/> |
| As12 will use an IP address from Subnet2 for network communications               | <input type="radio"/> | <input type="radio"/> |
| Computers in Vnet1 will connect to a private IP address when they connect to as12 | <input type="radio"/> | <input type="radio"/> |

- A. Mastered
- B. Not Mastered

**Answer:** A

**Explanation:**

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

**NEW QUESTION 48**

- (Exam Topic 3)

You have the network security groups (NSGs) shown in the following table.

| Name | Resource | Prefix       |
|------|----------|--------------|
| NSG1 | Subnet1  | 10.10.0.0/24 |
| NSG2 | Subnet2  | 10.10.1.0/24 |

In NSG1, you create inbound rules as shown in the following table.

| Source          | Priority | Port | Action |
|-----------------|----------|------|--------|
| *               | 101      | 80   | Allow  |
| *               | 150      | 443  | Allow  |
| Virtual network | 200      | *    | Deny   |

You have the Azure virtual machines shown in the following table.

| Name | Subnet  |
|------|---------|
| VM1  | Subnet1 |
| VM2  | Subnet1 |
| VM3  | Subnet2 |

NSG2 has only the default rules configured.

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                    |
|---------------------------------------|-----------------------|-----------------------|
| VM3 can connect to port 8080 on VM1.  | <input type="radio"/> | <input type="radio"/> |
| VM1 and VM2 can connect on port 9090. | <input type="radio"/> | <input type="radio"/> |
| VM1 can connect to VM3 on port 9090.  | <input type="radio"/> | <input type="radio"/> |

- A. Mastered
- B. Not Mastered

**Answer:** A

**Explanation:**

**Answer Area**

| Statements                            | Yes                              | No                               |
|---------------------------------------|----------------------------------|----------------------------------|
| VM3 can connect to port 8080 on VM1.  | <input checked="" type="radio"/> | <input type="radio"/>            |
| VM1 and VM2 can connect on port 9090. | <input checked="" type="radio"/> | <input type="radio"/>            |
| VM1 can connect to VM3 on port 9090.  | <input type="radio"/>            | <input checked="" type="radio"/> |

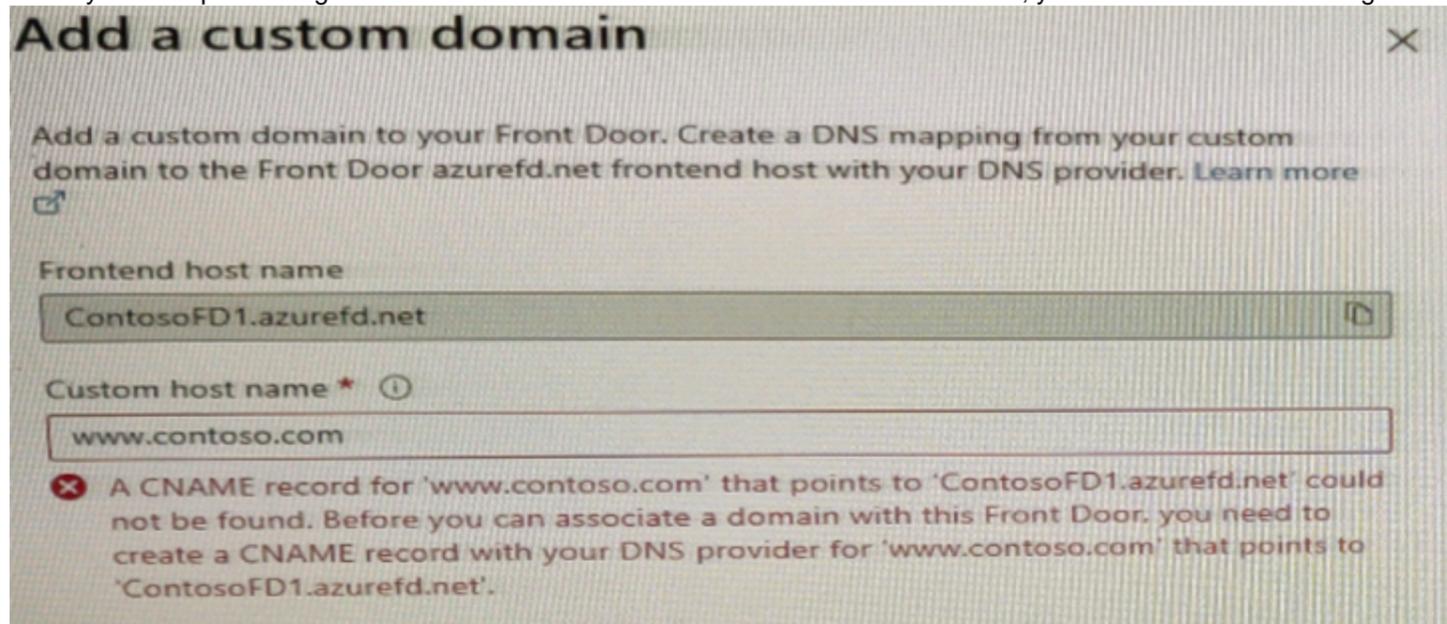
**NEW QUESTION 50**

- (Exam Topic 3)

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

**NEW QUESTION 55**

- (Exam Topic 3)

You have an Azure subscription that contains the following resources:

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

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

- A. On FW1, create an outbound service tag rule for AzureCloud.
- B. On FW1, create an outbound network rule that allows traffic to the Azure Key Management Service (KMS).
- C. Deploy a NAT gateway.
- D. To Subnet1, associate a network security group (NSG) that allows outbound access to port 1688.

Answer: B

**Explanation:**

Reference:

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

**NEW QUESTION 57**

- (Exam Topic 3)

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/<br>https://app2.contoso.com/ |
| As2.contoso.com | https://app3.contoso.com/<br>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:

Routing rules:

- A. Mastered
- B. Not Mastered

Answer: A

Explanation:

1, 2

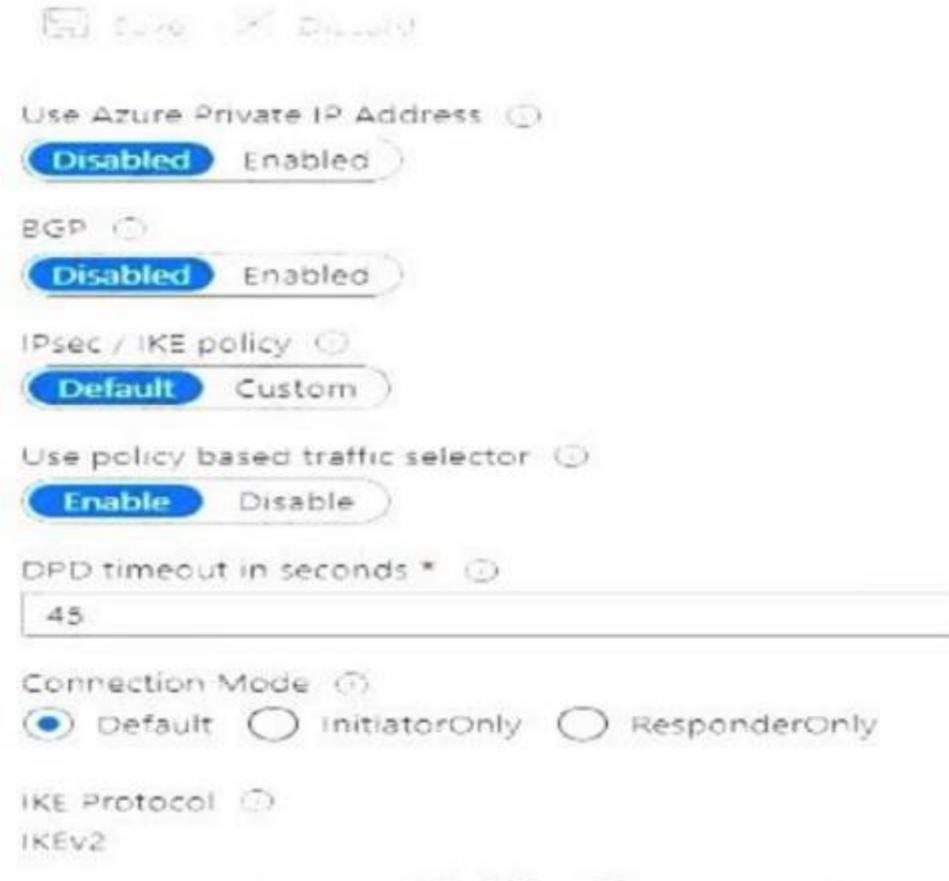
#### NEW QUESTION 61

- (Exam Topic 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

Answer: A

#### NEW QUESTION 65

- (Exam Topic 3)

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.

Answer: ADE

Explanation:

Reference:

<https://docs.microsoft.com/en-us/azure/application-gateway/configuration-overview>

#### NEW QUESTION 67

- (Exam Topic 3)

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
- Multivalue
- Priority
- Subnet

Endpoint type:

- Azure endpoint
- External endpoint
- Nested endpoint

- A. Mastered
- B. Not Mastered

Answer: A

Explanation:

Answer Area



Traffic Manager algorithm:

- Geographic
- Multivalue
- Priority
- Subnet

Endpoint type:

- Azure endpoint
- External endpoint
- Nested endpoint

NEW QUESTION 68

- (Exam Topic 3)

You plan to configure BGP for a Site-to-Site VPN connection between a datacenter and Azure. Which two Azure resources should you configure? Each correct answer presents a part of the solution.

(Choose two.)

NOTE: Each correct selection is worth one point.

- A. a virtual network gateway
- B. Azure Application Gateway
- C. Azure Firewall
- D. a local network gateway
- E. Azure Front Door

Answer: AD

Explanation:

Reference:

<https://docs.microsoft.com/en-us/azure/vpn-gateway/bgp-howto>

NEW QUESTION 73

- (Exam Topic 3)

Your company has an Azure virtual network named Vnet1 that uses an IP address space of 192.168.0.0/20. Vnet1 contains a subnet named Subnet1 that uses an IP address space of 192.168.0.0/24.

You create an IPv6 address range to Vnet1 by using a CIDR suffix of /48.

You need to enable the virtual machines on Subnet1 to communicate with each other by using IPv6 addresses assigned by the company. The solution must minimize the number of additional IPv4 addresses.

What should you do? To answer, select the appropriate options in the answer area. NOTE: Each correct selection is worth one point.

### Answer Area

Create an IPv6 subnet that uses a CIDR suffix of:

|     |   |
|-----|---|
|     | ▼ |
| /20 |   |
| /24 |   |
| /48 |   |
| /64 |   |

For each virtual machine, create an additional:

|                     |   |
|---------------------|---|
|                     | ▼ |
| IP configuration    |   |
| NIC                 |   |
| Public IPv6 address |   |

- A. Mastered
- B. Not Mastered

**Answer:** A

**Explanation:**

Add IPv6 configuration to NIC. "Configure all of the VM NICs with an IPv6 address using Add-AzNetworkInterfaceIpConfig"  
 Source: <https://docs.microsoft.com/en-us/azure/load-balancer/ipv6-add-to-existing-vnet-powershell>

**NEW QUESTION 78**

- (Exam Topic 3)

Note: This question is part of a series of questions that present the same scenario. Each question in the series contains a unique solution that might meet the stated goals. Some question sets might have more than one correct solution, while others might not have a correct solution.

After you answer a question in this section, you will NOT be able to return to it. As a result, these questions will not appear in the review screen.

You have an Azure 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-5b0d6efea73c/RESOURCEGROUPS/RG1/PROVIDERS/MICROSOFT.NETWORK/APPLICATIONGATEWAYS/AGW1",
  "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": "app1.rontoso.com",
  "transactionId": "d654811d0hgq1ea198165hq7428d74hh",
  "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

**NEW QUESTION 81**

- (Exam Topic 3)

Note: This question is part of a series of questions that present the same scenario. Each question in the series contains a unique solution that might meet the stated goals. Some question sets might have more than one correct solution, while others might not have a correct solution.

After you answer a question in this section, you will NOT be able to return to it. As a result, these questions will not appear in the review screen.

You have 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>

**NEW QUESTION 83**

- (Exam Topic 3)

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](https://*.contoso.com). What should you do?

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

**Answer:** B

**NEW QUESTION 87**

- (Exam Topic 3)

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

**Answer:** AC

**NEW QUESTION 92**

- (Exam Topic 3)

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. GatewayDiagnosticLog
- C. TunnelDiagnosticLog
- D. RouteDiagnosticLog

**Answer:** A

**Explanation:**

Reference:

<https://docs.microsoft.com/en-us/azure/vpn-gateway/troubleshoot-vpn-with-azure-diagnostics> IKEDiagnosticLog = The IKEDiagnosticLog table offers verbose debug logging for IKE/IPsec. This is very

useful to review when troubleshooting disconnections, or failure to connect VPN scenarios.

GatewayDiagnosticLog = Configuration changes are audited in the GatewayDiagnosticLog table. TunnelDiagnosticLog = The TunnelDiagnosticLog table is very useful to inspect the historical connectivity statuses of the tunnel.

RouteDiagnosticLog = The RouteDiagnosticLog table traces the activity for statically modified routes or routes received via BGP.

P2SDiagnosticLog = The last available table for VPN diagnostics is P2SDiagnosticLog. This table traces the activity for Point to Site.

<https://docs.microsoft.com/en-us/azure/vpn-gateway/troubleshoot-vpn-with-azure-diagnostics>

**NEW QUESTION 97**

- (Exam Topic 3)

Note: This question is part of a series of questions that present the same scenario. Each question in the series contains a unique solution that might meet the stated goals. Some question sets might have more than one correct solution, while others might not have a correct solution.

After you answer a question in this section, you will NOT be able to return to it. As a result, these questions will not appear in the review screen.

You have an Azure 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": "app1.contoso.com",
  "transactionId": "d654e11d0hgq1ea198165hq742d7466",
  "policyId": "default",
  "policyScope": "Global",
  "policyScopeName": "Global"
}
```

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

Solution: You create a WAF policy exclusion request headers that contain 137.135.10.24. Does this meet the goal?

- A. Yes
- B. No

**Answer: B**

**NEW QUESTION 102**

- (Exam Topic 3)

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**

**NEW QUESTION 105**

- (Exam Topic 3)

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

**Answer: C**

**Explanation:**

Reference:

<https://docs.microsoft.com/en-us/azure/application-gateway/end-to-end-ssl-portal> <https://docs.microsoft.com/en-us/azure/application-gateway/create-ssl-portal#configuration-tab>

**NEW QUESTION 109**

- (Exam Topic 3)

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

**Answer:** BC

**Explanation:**

Reference:

<https://docs.microsoft.com/en-us/azure/network-watcher/traffic-analytics> A storage account is used to store network security group flow logs. A Log Analytics workspace is used by Traffic Analytics to store the aggregated and indexed data that is then used to generate the analytics. <https://docs.microsoft.com/en-us/azure/network-watcher/traffic-analytics#enable-flow-log-settings>

**NEW QUESTION 114**

- (Exam Topic 3)

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.

**Fabrikam.com** DNS zone

Record set + Child zone + Move → Delete zone Refresh

**Essentials** JSON View

Resource group (change) : rg1

Subscription (change) : Subscription1

Subscription ID : 169d1bba-ba4c-471c-b513-092eb7063265

Name server 1 : ns1-06.azure-dns.com.

Name server 2 : ns2-06.azure-dns.net.

Name server 3 : ns3-06.azure-dns.org.

Name server 4 : ns4-06.azure-dns.info.

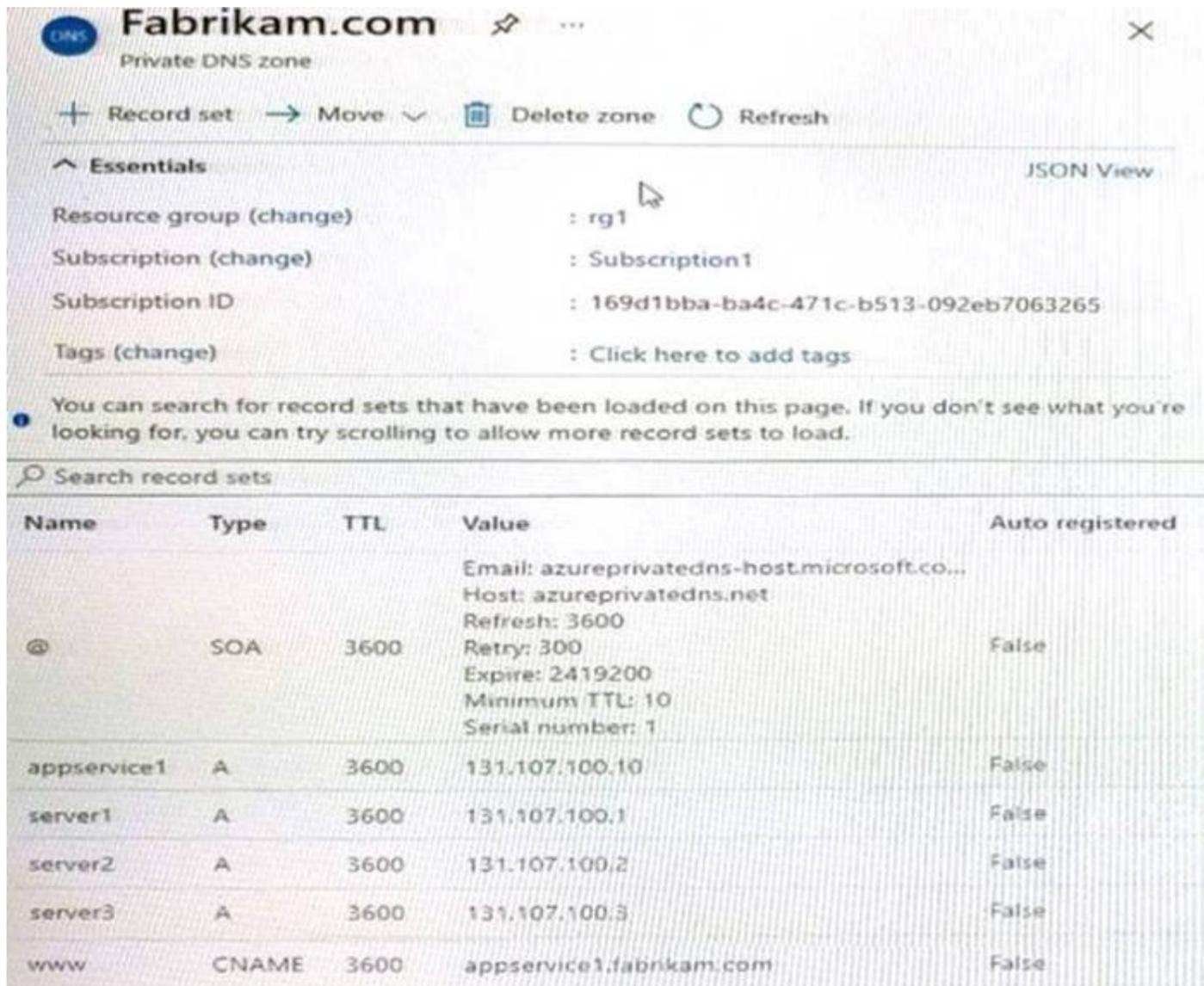
Tags (change) : Click here to add tags

You can search for record sets that have been loaded on this page. If you don't see what you're looking for, you can try scrolling to allow more record sets to load.

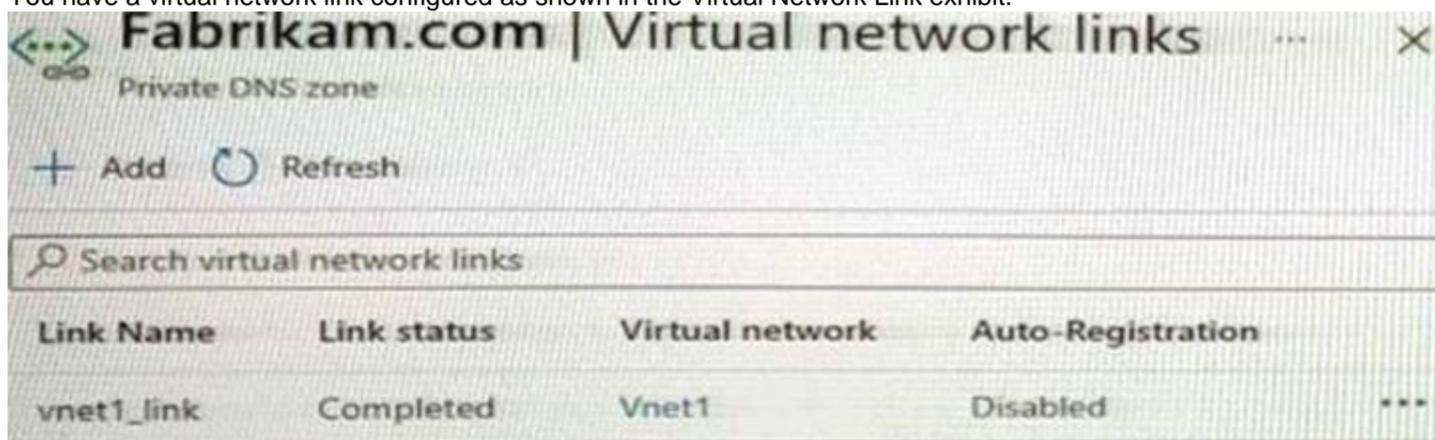
Search record sets

| Name        | Type  | TTL    | Value   |
|-------------|-------|--------|---|
| @           | NS    | 172800 | ns1-06.azure-dns.com.<br>ns2-06.azure-dns.net.<br>ns3-06.azure-dns.org.<br>ns4-06.azure-dns.info.   |
| @           | SOA   | 3600   | Email: azuredns-hostmaster.microsoft.com<br>Host: ns1-06.azure-dns.com.<br>Refresh: 3600<br>Retry: 300<br>Expire: 2419200<br>Minimum TTL: 300<br>Serial number: 1 |
| appservice1 | A     | 3600   | 131.107.1.1   |
| www         | CNAME | 3600   | appservice1.fabrikam.com  |

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.

**Answer Area**

| Statements  | Yes                   | No                    |
|---|-----------------------|-----------------------|
| Queries for www.fabrikam.com from the internet are resolved to 131.107.1.1. | <input type="radio"/> | <input type="radio"/> |
| Queries for server1.fabrikam.com can be resolved from the internet.         | <input type="radio"/> | <input type="radio"/> |
| Queries for www.fabrikam.com from Vnet2 are resolved to 131.107.100.10.     | <input type="radio"/> | <input type="radio"/> |

- A. Mastered
- B. Not Mastered

Answer: A

Explanation:

| Statements  | Yes                              | No                               |
|---|----------------------------------|----------------------------------|
| Queries for www.fabrikam.com from the internet are resolved to 131.107.1.1. | <input checked="" type="radio"/> | <input type="radio"/>            |
| Queries for server1.fabrikam.com can be resolved from the internet.         | <input type="radio"/>            | <input checked="" type="radio"/> |
| Queries for www.fabrikam.com from Vnet2 are resolved to 131.107.100.10.     | <input checked="" type="radio"/> | <input type="radio"/>            |

**NEW QUESTION 116**

- (Exam Topic 3)

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

**Answer Area**

www.contoso.com/abc/def

www.contoso.com/default.htm

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

- A. Mastered
- B. Not Mastered

**Answer:** A

**Explanation:**

Table Description automatically generated

Reference:

<https://docs.microsoft.com/en-us/azure/frontdoor/front-door-route-matching>

**NEW QUESTION 120**

- (Exam Topic 3)

Note: This question is part of a series of questions that present the same scenario. Each question in the series contains a unique solution that might meet the stated goals. Some question sets might have more than one correct solution, while others might not have a correct solution.

After you answer a question in this section, you will NOT be able to return to it. As a result, these questions will not appear in the review screen.

You have an Azure 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": "2021-04-02T19:13:41.001000",
  "resourceId": "/80B5C8197108D/489d7bht-seiy-937v-q571-463w3e79512/RESOURCEGROUP2/FG1/PROVIDERS/MICROSOFT.NETWORK/APPLICATIONGATEWAYS/AW1",
  "operationName": "ApplicationGatewayFirewall",
  "category": "ApplicationGatewayFirewallLog",
  "properties": {
    "location": "appgw-01",
    "clientIp": "137.135.10.204",
    "clientPort": 80,
    "requestUri": "/login",
    "ruleSetType": "OWASP_CRS",
    "ruleSetVersion": "3.0.0",
    "ruleId": "920100",
    "message": "Request Missing an Accept Header",
    "action": "Matched",
    "route": "Global",
    "details": {
      "message": "Warning: Match of '\\\\?m AppleWebKit Android\\\\?' against '\\\\?REQUEST_HEADERS:User-Agent\\\\?' required. ",
      "data": "",
      "file": "rules/REQUEST-920-PROTOCOL-ENFORCEMENT.conf",
      "line": "1241"
    }
  }
},
{
  "hostname": "app1.contoso.com",
  "transactionId": "f75862592b3c7wa11456d1f5231t65b",
  "policyId": "default",
  "policyScope": "Global",
  "policyScopeName": "Global"
}
```

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

**Answer:** B

**Explanation:**

<https://docs.microsoft.com/en-us/azure/application-gateway/rewrite-http-headers-url#limitations>

**NEW QUESTION 123**

.....

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