Question #26 *Topic 3*

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

A. geographic
B. weighted
C. priority
D. performance **Most Voted**

Hide Solution | Discussion 5

Correct Answer: *D*
Select Performance routing when you have endpoints in different geographic locations and you want end users to use the "closest" endpoint for the lowest network latency.
Reference:
https://docs.microsoft.com/en-us/azure/traffic-manager/traffic-manager-routing-methods

Community vote distribution
D (100%)

Your company has offices in London, Tokyo, and New York.
The company has a web app named App1 that has the Azure Traffic Manager profile shown in the following table.

Parameter	Value	Azure region
DNS Name	app1.trafficmanager.net	**Not applicable**
Endpoint	app1-asia.azurewebsites.net	East Asia
Endpoint	app1-na.azurewebsites.net	East US
Endpoint	app1-na.azurewebsites.net	UK South
Routing method	Geographic	**Not applicable**

In Asia, you plan to deploy an additional endpoint that will host an updated version of App1.
You need to route 10 percent of the traffic from the Tokyo office to the new endpoint during testing.
What should you configure in Traffic Manager?

A. two profiles and five endpoints
B. two profiles and four endpoints **Most Voted**
C. three profiles and four endpoints
D. one profile and five endpoints

Hide Solution | Discussion 12

Correct Answer: *B*
Need two profiles. Add one Child profile using Weighted routing. One additional trial endpoint, to the existing three, for the Child Profile is needed.
Note 1: Each Traffic Manager profile specifies a single traffic-routing method. However, there are scenarios that require more sophisticated traffic routing than the routing provided by a single Traffic Manager profile. You can nest Traffic Manager profiles to combine the benefits of more than one traffic-routing method.
Note 2: Weighted routing: Select Weighted routing when you want to distribute traffic across a set of endpoints based on their weight. Set the weight the same to distribute evenly across all endpoints.
Reference:
https://docs.microsoft.com/en-us/azure/traffic-manager/traffic-manager-nested-profiles https://docs.microsoft.com/en-us/azure/traffic-manager/traffic-manager-routing-methods

Community vote distribution
B (75%) A (25%)

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

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

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

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

You have the resources shown in the following table.

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

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

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

Answer Area

Statements	Yes	No
Internet traffic from NVA1 is routed to the on-premises network.	○	○
Traffic from VM2 to the on-premises network is routed though NVA1.	○	○
Traffic from VM1 is routed to VM2 through NVA1.	○	○

Hide Solution | Discussion 30

Correct Answer:

Answer Area

Statements	Yes	No
Internet traffic from NVA1 is routed to the on-premises network.	●	○
Traffic from VM2 to the on-premises network is routed though NVA1.	○	●
Traffic from VM1 is routed to VM2 through NVA1.	●	○

Box 1: Yes -
NVA1 with IP (NVA-network virtual appliance) 192.168.0.4 is on the DMZ subnet. It will use route 10.0.0.0/16 to the on-premises network.

Box 2: No -
VM2 has IP address 192.168.2.4 and is on the BackEnd subnet. VM2 will not use the RT1 route table, and will not reach the on-premises network through NVA1.

Box 3: Yes -
VM1 with IP address 192.168.1.4 is on the FrontEnd subnet, and will use the RT1 routing table. It will use Route2 and Next Hop IP address 192.168.0.4, IP address of NVA1, to reach VM2.

HOTSPOT -
You have an Azure subscription. The subscription contains virtual machines that host websites as shown in the following table.

Name	Public host name	Location
VM1	site1.us.contoso.com	East US
VM2	site1.uk.contoso.com	UK West
VM3	site2.us.contoso.com	East US
VM4	site2.uk.contoso.com	UK West
VM5	site2.japan.contoso.com	Japan West

You have the Azure Traffic Manager profiles shown in the following table.

Name	Routing method	DNS name	Hosted on
Tm1	Performance	site1.contoso.com	VM1 and VM2
Tm2	Priority	site2.contoso.com	VM3, VM4, and VM5

You have the endpoints shown in the following table.

Name	Traffic Manager profile	Azure endpoint	Routing method parameter	Status
Ep1	Tm1	VM1	1	Degraded
Ep2	Tm1	VM2	2	Online
Ep3	Tm2	VM3	1	CheckingEndpoint
Ep4	Tm2	VM4	2	Online
Ep5	Tm2	VM5	3	Online

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

Statements	Yes	No
A user that requests site1.contoso.com from the East US Azure region will connect to site1.us.contoso.com.	○	○
A user that requests site2.contoso.com from the East US Azure region will connect to site2.uk.contoso.com.	○	○
A user that requests site2.contoso.com from the Japan East Azure region will connect to site2.japan.contoso.com.	○	○

Hide Solution | Discussion 17

Correct Answer:

Statements	Yes	No
A user that requests site1.contoso.com from the East US Azure region will connect to site1.us.contoso.com.	○	○
A user that requests site2.contoso.com from the East US Azure region will connect to site2.uk.contoso.com.	○	○
A user that requests site2.contoso.com from the Japan East Azure region will connect to site2.japan.contoso.com.	○	○

Box 1: No -
VM1, which is hosting site1.contoso.com, is located in East US. The VM1 endpoint status is degraded. Endpoint monitoring health checks are failing. The endpoint isn't included in DNS responses and doesn't receive traffic.
When an endpoint has a Degraded status, it's no longer returned in response to DNS queries. Instead, an alternative endpoint is chosen and returned. The traffic- routing method configured in the profile determines how the alternative endpoint is chosen.
Priority. Endpoints form a prioritized list. The first available endpoint on the list is always returned. If an endpoint status is Degraded, then the next available endpoint is returned.
The user will connect to site2.us.contoso.com instead.

Box 2: No -
VM3, which is hosting site2.contoso.com, is located in in East US. The VM3 endpoint status is CheckingEndpoint. The endpoint is monitored, but the results of the first probe haven't been received yet. CheckingEndpoint is a temporary state that usually occurs immediately after adding or enabling an endpoint in the profile. An endpoint in this state is included in DNS responses and can receive traffic.
User will connect to site2.contoso.com, not to site2.uk.contoso.com

Box 3: No -

VM3, which is hosting site2.contoso.com, is located in in East US. The VM1 endpoint status is CheckingEndpoint, which is OK (see above).
User will connect to site2.contoso.com, not to site2.japan.contoso.com
Reference:
https://docs.microsoft.com/en-us/azure/traffic-manager/traffic-manager-monitoring

Question #30 *Topic 3*

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

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

Hide Solution | Discussion 4

Correct Answer: *A*
By default, Azure Application Gateway probes backend servers to check their health status and to check whether they're ready to serve requests. Users can also create custom probes to mention the host name, the path to be probed, and the status codes to be accepted as Healthy. In each case, if the backend server doesn't respond successfully, Application Gateway marks the server as Unhealthy and stops forwarding requests to the server. After the server starts responding successfully, Application Gateway resumes forwarding the requests.
Note: The default probe request is sent in the format of <protocol>://127.0.0.1:<port>/. For example, http://127.0.0.1:80 for an http probe on port 80. Only HTTP status codes of 200 through 399 are considered healthy. The protocol and destination port are inherited from the HTTP settings. If you want Application Gateway to probe on a different protocol, host name, or path and to recognize a different status code as Healthy, configure a custom probe and associate it with the HTTP settings.
Reference:
https://docs.microsoft.com/en-us/azure/application-gateway/application-gateway-backend-health-troubleshooting

Community vote distribution
A (100%)

Question #31 *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. Add an internet route to RT1 for the Azure Key Management Service (KMS).
C. On FW1, configure a DNAT rule for port 1688.
D. Deploy an Azure Standard Load Balancer that has an outbound NAT rule.

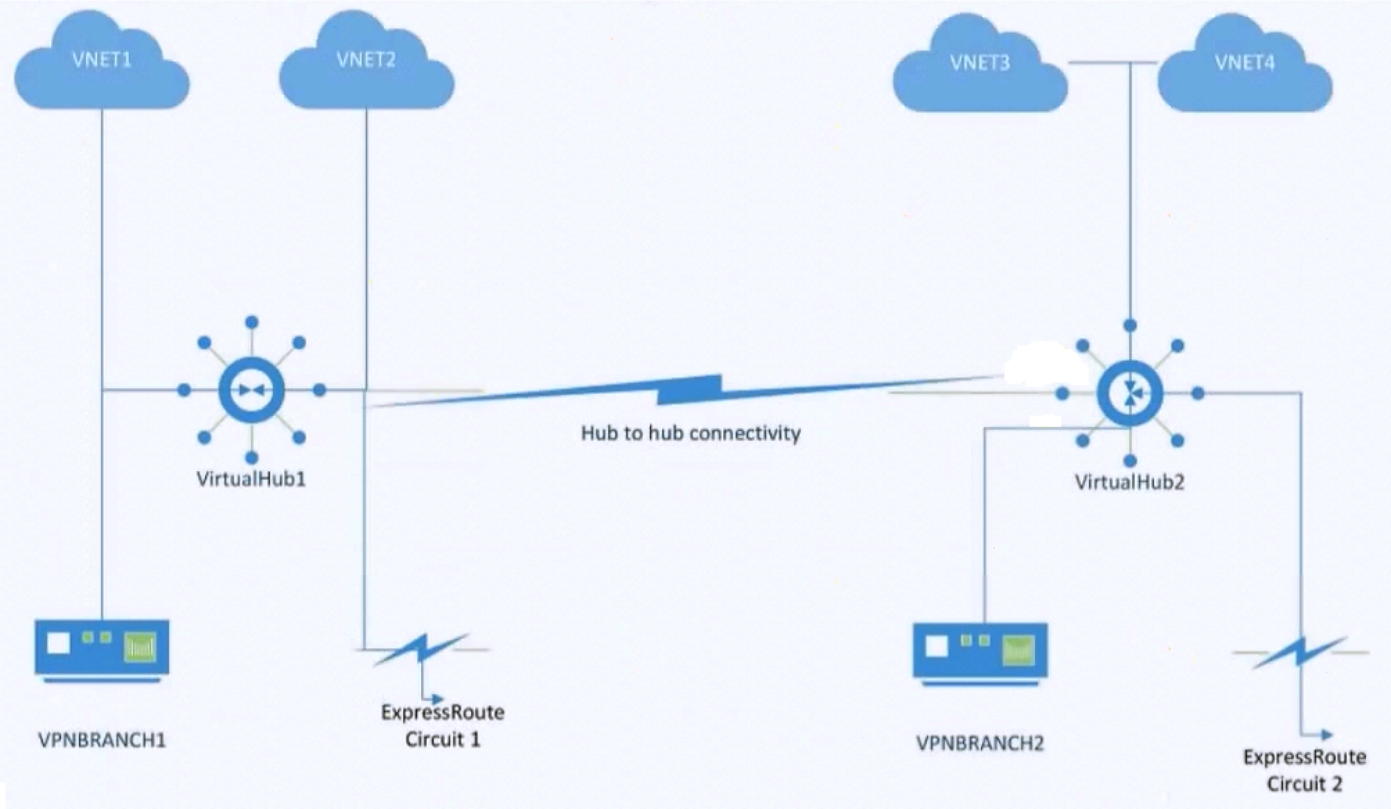
Hide Solution | Discussion 6

Correct Answer: *B*

Community vote distribution
B (100%)

You have an Azure subscription.

You plan to implement Azure Virtual WAN as shown in the following exhibit.



What is the minimum number of route tables that you should create?

A. 1
B. 2
C. 4
D. 6

Hide Solution | Discussion 8

Correct Answer: *B*

Community vote distribution

B (100%)

Question #33 *Topic 3*

You have an internal Basic Azure Load Balancer named LB1 that has two frontend IP addresses. The backend pool of LB1 contains two Azure virtual machines named VM1 and VM2.

You need to configure the rules on LB1 as shown in the following table.

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

What should you do for each rule?

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

Hide Solution | Discussion 2

Correct Answer: *A*

Community vote distribution
A (100%)

Question #34 *Topic 3*

Your company has 40 branch offices that are linked by using a Software-Defined Wide Area Network (SD-WAN). The SD-WAN uses BGP.

You have an Azure subscription that contains 20 virtual networks configured as a hub and spoke topology. The topology contains a hub virtual network named Vnet1.

The virtual networks connect to the SD-WAN by using a network virtual appliance (NVA) in Vnet1.

You need to ensure that BGP route advertisements will propagate between the virtual networks and the SD-WAN. The solution must minimize administrative effort.

What should you implement?

A. An Azure VPN Gateway that has BGP enabled
B. a NAT gateway
C. Azure Traffic Manager
D. Azure Route Server

Hide Solution | Discussion 5

Correct Answer: *D*

HOTSPOT
-

You have an Azure load balancer that has the following configurations:

• Name: LB1
• Location: East US 2
• SKU: Standard
• Private IP address: 10.3.0.7
• Load balancing rule: rule1 (Tcp/80)
• Health probe: probe1 (Http:80)
• NAT rules: 0 inbound

The backend pool of LB1 has the following configurations:

• Name: backend1
• Virtual network: Vnet2
• Backend pool configuration: NIC
• IP version: IPv4
• Virtual machines: VM1, VM2, VM3

You have an Azure virtual machine named VM4 that has the following network configurations:

• Network interface: vm4981
• Virtual network/subnet: Vnet3/Subnet3
• NIC private IP address: 10.4.0.4
• Accelerated networking: Enabled

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

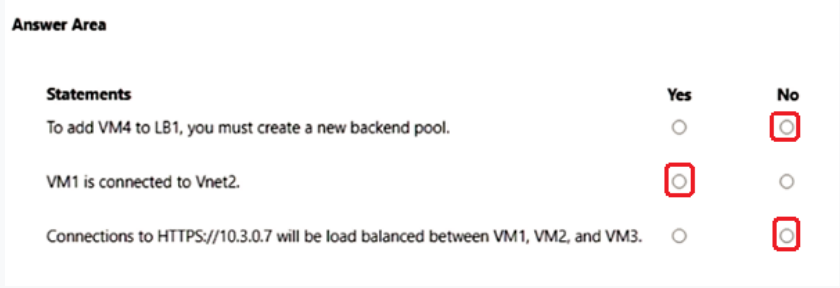
NOTE: Each correct selection is worth one point.

Answer Area

Statements	Yes	No
To add VM4 to LB1, you must create a new backend pool.	○	○
VM1 is connected to Vnet2.	○	○
Connections to HTTPS://10.3.0.7 will be load balanced between VM1, VM2, and VM3.	○	○

Hide Solution | Discussion 26

Correct Answer:



DRAG DROP
-

Your company, named Contoso, Ltd., has an Azure subscription that contains the resources shown in the following table.

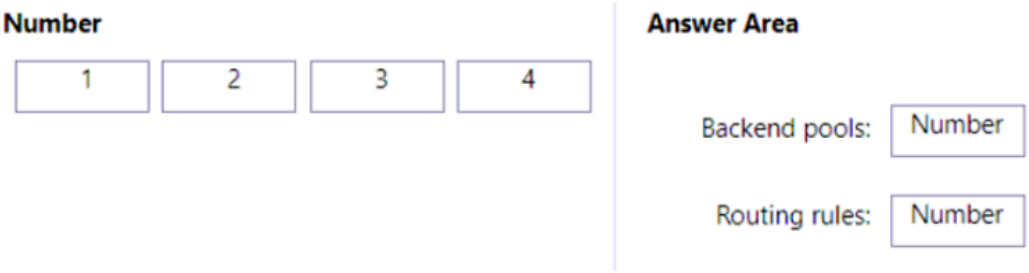
Name	Type	Location	Description
App1us	Azure App Service	East US	A website for the United States office of Contoso
App1uk	Azure App Service	UK West	A website for the United Kingdom office of Contoso
St1us	Storage account	East US	Contains images for the United States website
St1uk	Storage account	UK West	Contains images for the United Kingdom website

You plan to deploy Azure Front Door. The solution must meet the following requirements:

• Requests to a URL of https://contoso.azurefd.net/uk must be routed to App1uk.
• Requests to a URL of https://contoso.azurefd.net/us must be routed to App1us.
• Requests to a URL of https://contoso.azurefd.net/images must be routed to the storage account closest to the user.

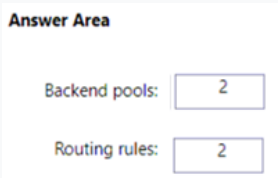
What is the minimum number of backend pools and routing rules you should create? To answer, drag the appropriate number to the correct components. Each number may be used once, more than once, or not at all. You may need to drag the split bar between panes or scroll to view content.

NOTE: Each correct selection is worth one point.



Hide Solution | Discussion 12

Correct Answer:



HOTSPOT
-

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

Name	Location
RG1	East US
RG2	UK West

You have the virtual networks shown in the following table.

Name	Location	Subnet	Resource group
Vnet1	East US	Sb1	RG1
Vnet1	East US	Sb2	RG1
Vnet2	West US	Sb3	RG2
Vnet2	West US	Sb4	RG2

Vnet1 contains two virtual machines named VM1 and VM2. Vnet2 contains two virtual machines named VM3 and VM4.

You have the network security groups (NSGs) shown in the following table that include only default rules.

Name	Associated to
Nsg1	Sb1
Nsg2	Network interface of VM2
Nsg3	Network interface of VM3
Nsg4	Sb4

You have the Azure load balancers shown in the following table.

Name	Resource group	Location	Type	Backend pool	Virtual machine	Rule
Lb1	RG1	East US	Public	Vnet1	VM1	Protocol: TCP Port: 80 Backend port: 80
Lb2	RG2	West US	Internal	Vnet2	VM3	Protocol: TCP Port: 1433 Backend port: 1433

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
VM2 can be added to the backend pool of Lb2.	○	○
VM4 can access VM3 via port 1433 by using the frontend address of Lb2.	○	○
VM1 can be accessed via port 80 from the internet by using the frontend address of Lb1.	○	○

Hide Solution Discussion 32

Correct Answer:

Answer Area

Statements	Yes	No
VM2 can be added to the backend pool of Lb2.	○	○
VM4 can access VM3 via port 1433 by using the frontend address of Lb2.	○	○
VM1 can be accessed via port 80 from the internet by using the frontend address of Lb1.	○	○

Question #38 *Topic 3*

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

Name	Type	Description
App1	Azure App Service	A web app
Gateway1	Azure Application Gateway	includes an SSL certificate that has a subject name of *.contoso.com

Gateway1 provides access to App1 by using a URL of https://app1.contoso.com.

You create a new web app named App2.

You need to configure Gateway1 to enable access to App2 by using a URL of https://app2.contoso.com. The solution must minimize administrative effort.

What should you configure on Gateway1?

A. a backend pool and a routing rule

B. a listener and a routing rule

C. a listener, a backend pool, and a routing rule **Most Voted**

D. a listener and a backend pool

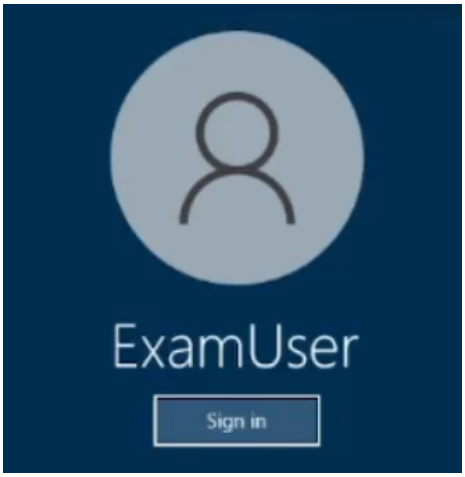
Hide Solution | Discussion 14

Correct Answer: *B*

Community vote distribution

C (69%) A (31%)

SIMULATION
-



Username and password
-

Use the following login credentials as needed:

To enter your username, place your cursor in the Sign in box and click on the username below.

To enter your password, place your cursor in the Enter password box and click on the password below.

Azure Username: User-12345678@cloudslice.onmicrosoft.com

Azure Password: xxxxxxxxxx
-

If the Azure portal does not load successfully in the browser, press CTRL-K to reload the portal in a new browser tab.

The following information is for technical support purposes only:

Lab Instance: 12345678
-

You plan to deploy a firewall to subnet1-2. The firewall will have an IP address of 10.1.2.4.

You need to ensure that traffic from subnet1-1 to the IP address range of 192.168.10.0/24 is routed through the firewall that will be deployed to subnet 1-2. The solution must be achieved without using dynamic routing protocol.

To complete this task, sign in to the Azure portal.

Hide Solution Discussion 1

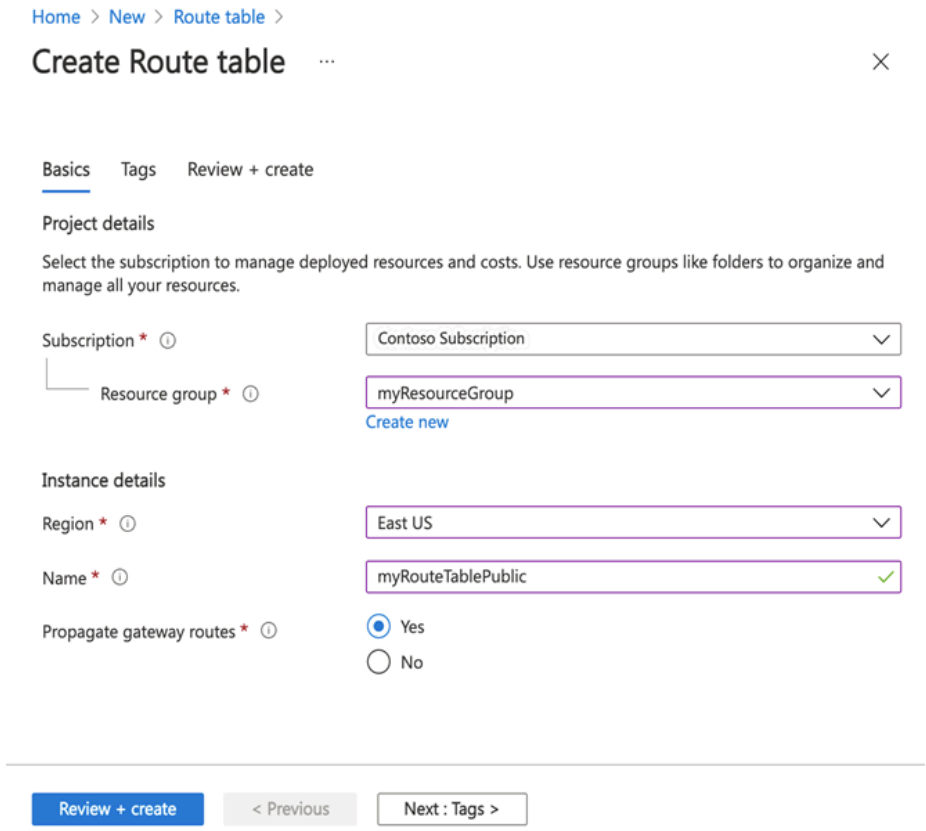
Correct Answer:

Custom routes, User-defined
You can create custom, or user-defined(static), routes in Azure to override Azure's default system routes, or to add more routes to a subnet's route table. In Azure, you create a route table, then associate the route table to zero or more virtual network subnets. Each subnet can have zero or one route table associated to it.

Create a route table (Skip Step 1 to Step 4 if route table already present=
Step 1: From the Azure portal menu, select + Create a resource > Networking > Route table, or search for Route table in the portal search box.

Step 2: Select Create.

Step 3: On the Basics tab of Create route table, enter or select information:



Step 4: Select the Review + create tab, or select the blue Review + create button at the bottom of the page.

Create a route
In this section, you'll create a route in the route table that you created in the previous steps.

Step 5: Select Go to resource or Search for myRouteTablePublic (The route table you created earlier) in the portal search box.

Step 6: In the myRouteTablePublic page, select Routes from the Settings section.

Step 7: In the Routes page, select the + Add button.

Step 8: In Add route, enter or select this information:
Route name: SomeName
Address prefix destination: Select IP Addresses.
Destination IP addresses/CIDR ranges: Enter 192.168.10.0/24 - The address range of to be routed from.
Next hop type: Select Virtual appliance.
Next hop address: Enter 10.1.2.4 (The address of the firewall in the sbunet1-2 subnet).

Reference:
https://learn.microsoft.com/en-us/azure/virtual-network/virtual-networks-udr-overview
https://learn.microsoft.com/en-us/azure/virtual-network/tutorial-create-route-table-portal

Question #40 *Topic 3*

You have two 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 **Most Voted**
B. 2
C. 4
D. 8

Hide Solution | Discussion 9

Correct Answer: *B*

Community vote distribution
A (100%)

Question #41 *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, configure a DNAT rule for port 1688
B. Deploy a NAT gateway.
C. Add an internet route to RT1 for the Azure Key Management Service (KMS).
D. To Subnet1, associate a network security group (NSG) that allows outbound access to port 1688.

Hide Solution | Discussion 2

Correct Answer: *C*

Community vote distribution
C (100%)

Question #42 *Topic 3*

You have an on-premises network.

You have an Azure subscription that includes a virtual network named VNet1 and a private Azure Kubernetes Service (AKS) cluster named AKS1. VNet1 is connected to your on-premises environment via an Azure ExpressRoute circuit. AKS1 is connected to VNet1.

You need to implement an off-cluster ingress controller for AKS1. The solution must provide connectivity from the on-premises environment to containerized workloads hosted on AKS1.

Which Azure service should you use?

A. Azure Application Gateway **Most Voted**

B. Azure Front Door

C. Azure Traffic Manager

D. Azure Load Balancer

Hide Solution | Discussion 8

Correct Answer: *A*

Community vote distribution

A (100%)

HOTSPOT
-

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.

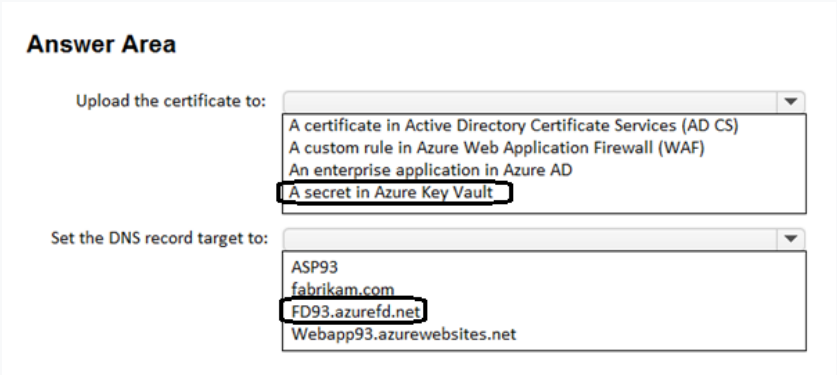
Answer Area

Upload the certificate to:
- A 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:
- ASP93
- fabrikam.com
- FD93.azurefd.net
- Webapp93.azurewebsites.net

Hide Solution | Discussion 2

Correct Answer:



HOTSPOT
-

You have an Azure subscription that contains an app named App1. App1 is hosted on the Azure App Service instances shown in the following table.

Name	Location
AppSrv1	East US
AppSrv2	East US
AppSrv3	North Europe
AppSrv4	North Europe

You need to implement Azure Traffic Manager to meet the following requirements:

• App1 traffic must be assigned equally to each App Service instance in each Azure region.
• App1 traffic from North Europe must be routed to the App1 instances in the North Europe region.
• App1 traffic from North America must be routed to the App1 instances in the East US Azure region.
• If an App Service instance fails, all the traffic for that instance must be routed to the remaining instances in the same region.

How should you configure the Traffic Manager profiles? To answer, select the appropriate options in the answer area.

NOTE: Each correct selection is worth one point.

Answer Area

Minimum number of Traffic Manager profiles required: [▼]
1
2
3
4

Routing method for the traffic in each region: [▼]
Geographic
Performance
Priority
Weighted

Hide Solution | Discussion 16

Correct Answer:

Answer Area

Minimum number of Traffic Manager profiles required: [▼]
1
2
3
4

Routing method for the traffic in each region: [▼]
Geographic
Performance
Priority
Weighted

Question #45 *Topic 3*

You have an Azure subscription that contains the Azure App Service web apps shown in the following table.

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

You need to deploy Azure Traffic Manager. The solution must meet the following requirements:

• Traffic to https://www.fabrikam.com must be directed to App1eu.
• If App1eu becomes unresponsive, all the traffic to https://www.fabrikam.com must be directed to App1us.

You need to implement Traffic Manager to meet the requirements.

Which two resources should you create? Each correct answer presents part of the solution.

NOTE: Each correct selection is worth one point.

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

Hide Solution | Discussion 5

Correct Answer: *AC*

Community vote distribution
AC (100%)

HOTSPOT
-

You have an Azure subscription that contains an app named App1. App1 is deployed to the Azure App Service apps shown in the following table.

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

You need to publish App1 by using Azure Front Door. The solution must ensure that all the requests to App1 are load balanced between all the available worker instances.

What is the minimum number of origin groups and origins that you should configure? To answer, select the appropriate options in the answer area.

NOTE: Each correct selection is worth one point.

Answer Area

Origin groups: 1 2 4 8

Origins: 1 2 4 8

Hide Solution | Discussion 5

Correct Answer:

Answer Area

Origin groups: **1** 2 4 8

Origins: 1 2 4 **8**

Question #47 *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, configure a DNAT rule for port 1688.
B. On FW1, create an outbound network rule that allows traffic to the Azure Key Management Service (KMS).
C. Deploy an application security group that allows outbound traffic to 1688.
D. Deploy an Azure Standard Load Balancer that has an outbound NAT rule.

Hide Solution | Discussion 3

Correct Answer: *B*

Community vote distribution
B (100%)

Question #48 *Topic 3*

You have an Azure subscription that contains a virtual network named VNet1. VNet1 contains a subnet named Subnet1.

You deploy an instance of Azure Application Gateway v2 named AppGw1 to Subnet1. You create a network security group (NSG) named NSG1 and link NSG1 to Subnet1.

You need to ensure that AppGw1 will only load balance traffic that originates from VNet1. The solution must minimize the impact on the functionality of AppGw1.

What should you add to NSG1?

A. an outbound rule that has a priority of 4096 and blocks all internet traffic
B. an inbound rule that has a priority of 4096 and blocks all internet traffic Most Voted
C. an inbound rule that has a priority of 100 and blocks all internet traffic
D. an outbound rule that has a priority 100 and blocks all internet traffic

Hide Solution | Discussion 8

Correct Answer: *B*

Community vote distribution
B (100%)

Question #49 *Topic 3*

You plan to implement an Azure virtual network that will contain 10 virtual subnets. The subnets will use IPv6 addresses. Each subnet will host up to 200 load-balanced virtual machines.

You need to recommend a load balancing solution for the virtual network. The solution must meet the following requirements:

• The virtual machines and the load balancer must be accessible only from the virtual network.
• Costs must be minimized.

What should you include in the recommendation?

A. Basic Azure Load Balancer
B. Azure Application Gateway v1
C. Azure Standard Load Balancer
D. Azure Application Gateway v2

Hide Solution | Discussion 5

Correct Answer: *C*

Community vote distribution
C (100%)

Question #50 *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, configure a DNAT rule for port 1688.
B. Deploy an application security group that allows outbound traffic to 1688.
C. Add an internet route to RT1 for the Azure Key Management Service (KMS).
D. Deploy an Azure Standard Load Balancer that has an outbound NAT rule.

Hide Solution | Discussion 6

Correct Answer: *C*

Community vote distribution
C (100%)

HOTSPOT
-

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

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

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

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

You create a load balancer named LB1 that has the following configurations:

- SKU: Basic
- Type: Internal
- Subnet: Subnet12
- Virtual network: VNet1

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

NOTE: Each correct selection is worth one point.

Answer Area

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

Hide Solution | Discussion 9

Correct Answer:

Answer Area

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

HOTSPOT
-

You have an Azure subscription. The subscription contains an Azure application gateway that has the following configurations:

• Name: AppGW1
• Tier: Standard V2
• Autoscaling: Disabled

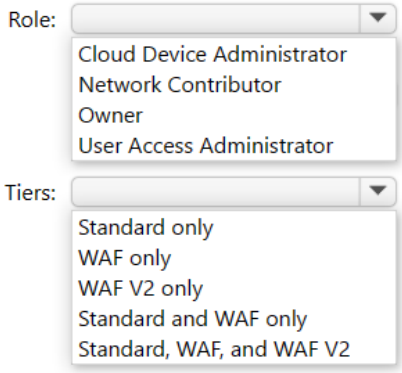
You create an Azure AD user named User1.

You need to ensure that User1 can change the tier of AppGW1. The solution must use the principle of least privilege.

Which role should you assign to User1, and to which tiers can AppGW1 be changed? To answer, select the appropriate options in the answer area.

NOTE: Each correct selection is worth one point.

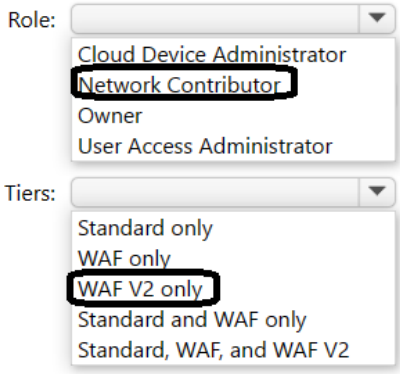
Answer Area



Hide Solution | Discussion 1

Correct Answer:

Answer Area



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