AZ-700 Dumps

Designing and Implementing Microsoft Azure Networking Solutions

https://www.certleader.com/AZ-700-dumps.html

NEW QUESTION 1
- (Exam Topic 3)
Your company has a single on-premises datacenter in New York. The East US Azure region has a peering location in New York.
The company only has Azure resources in the East US region.
You need to implement ExpressRoute to support up to 1 Gbps. You must use only ExpressRoute Unlimited data plans. The solution must minimize costs.
Which type of ExpressRoute circuits should you create?

A. ExpressRoute Local
B. ExpressRoute Direct
C. ExpressRoute Premium
D. ExpressRoute Standard

Answer: A

Explanation:
Reference:
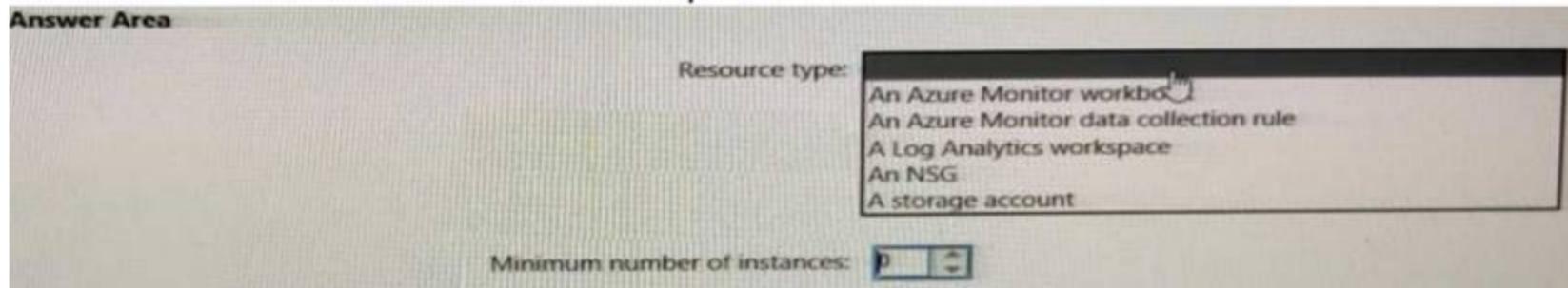https://azure.microsoft.com/en-us/pricing/details/expressroute/

NEW QUESTION 2
- (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.
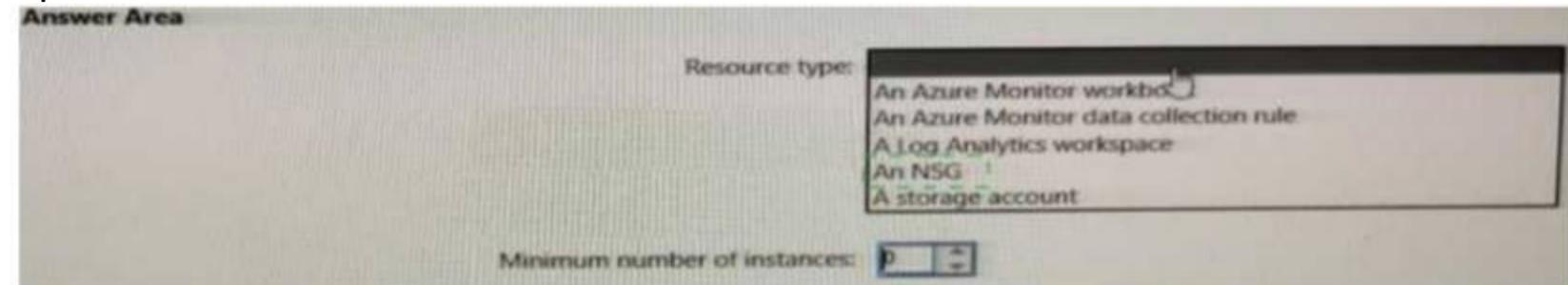NOTE: Each correct selection is worth one point.

A. Mastered
B. Not Mastered

Answer: A

Explanation:

NEW QUESTION 3
- (Exam Topic 1)
You need to recommend a configuration for the ExpressRoute connection from the Boston datacenter. The solution must meet the hybrid networking requirements and business requirements.
What should you recommend? To answer, select the appropriate options in the answer area. NOTE: Each correct selection is worth one point.

A. Mastered
B. Not Mastered

Answer: A

Explanation:
Graphical user interface, text, application Description automatically generated
For the first question, only ExpressRoute GW SKU Ultra Performance support FastPath feature.
For the second question, vnet1 will connect to ExpressRoute gw, once Vnet1 peers with Vnet2, the traffic from on-premise network will bypass GW and Vnet1, directly goes to Vnet2, while this feature is under public preview.
====Reference
ExpressRoute virtual network gateway is designed to exchange network routes and route network traffic. FastPath is designed to improve the data path performance between your on-premises network and your virtual network. When enabled, FastPath sends network traffic directly to virtual machines in the virtual network, bypassing the gateway.
To configure FastPath, the virtual network gateway must be either: Ultra Performance
ErGw3AZ
VNet Peering - FastPath will send traffic directly to any VM deployed in a virtual network peered to the one connected to ExpressRoute, bypassing the ExpressRoute virtual network gateway.
https://docs.microsoft.com/en-us/azure/expressroute/about-fastpath Gateway SKU
https://docs.microsoft.com/en-us/azure/expressroute/expressroute-about-virtual-network-gateways

NEW QUESTION 4
- (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 5
- (Exam Topic 3)
Your company has offices in New York and Amsterdam. The company has an Azure subscription. Both offices connect to Azure by using a Site-to-Site VPN connection.
The office in Amsterdam uses resources in the North Europe Azure region. The office in New York uses resources in the East US Azure region.
You need to implement ExpressRoute circuits to connect each office to the nearest Azure region. Once the ExpressRoute circuits are connected, the on-premises computers in the Amsterdam office must be able to connect to the on-premises servers in the New York office by using the ExpressRoute circuits.
Which ExpressRoute option should you use?

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

Answer: D

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

NEW QUESTION 6
- (Exam Topic 3)
You have an Azure subscription that contains a single virtual network and a virtual network gateway.
You need to ensure that administrators can use Point-to-Site (P2S) VPN connections to access resources in the virtual network. The connections must be authenticated by Azure Active Directory (Azure AD).
What should you configure? To answer, select the appropriate options in the answer area. NOTE: Each correct selection is worth one point.

Answer Area

Azure AD configuration:	
	An access package
	A conditional access policy
	An enterprise application
	A VPN certificate

P2S VPN tunnel type:	
	IKEv2
	IKEv2 and SSTP (SSL)
	OpenVPN (SSL)
	SSTP (SSL)

A. Mastered
B. Not Mastered

Answer: A

Explanation:

Answer Area

Azure AD configuration:	
	An access package
	A conditional access policy
	An enterprise application
	A VPN certificate

P2S VPN tunnel type:	
	IKEv2
	IKEv2 and SSTP (SSL)
	OpenVPN (SSL)
	SSTP (SSL)

NEW QUESTION 7
- (Exam Topic 3)
You are planning the IP addressing for the subnets in Azure virtual networks. Which type of resource requires IP addresses in the subnets?

A. Azure Virtual Network NAT
B. virtual network peering
C. service endpoints
D. private endpoints

Answer: A

NEW QUESTION 8
- (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

Explanation:
Reference:
https://docs.microsoft.com/en-us/azure/expressroute/expressroute-introduction

NEW QUESTION 9

- (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 subscription that contains the following resources:
* A virtual network named Vnet1
* A subnet named Subnet1 in Vnet1
* A virtual machine named VM1 that connects to Subnet1
* Three storage accounts named storage1, storage2, and storage3
You need to ensure that VM1 can access storage1. VM1 must be prevented from accessing any other storage accounts.
Solution: You create a network security group (NSG) and associate the NSG to Subnet1. Does this meet the goal?

A. Yes
B. No

Answer: B

NEW QUESTION 10
- (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 Policy! 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: A

NEW QUESTION 10
- (Exam Topic 3)
You are configuring two network virtual appliances (NVAs) in an Azure virtual network. The NVAs will be used to inspect all the traffic within the virtual network.
You need to provide high availability for the NVAs. The solution must minimize administrative effort. What should you include in the solution?

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

Answer: A

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

NEW QUESTION 11
- (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 15
- (Exam Topic 3)
You have an Azure virtual network and an on-premises datacenter.
You need to implement a Site-to-Site VPN connection between the datacenter and the virtual network. Which two resources should you create? Each correct answer presents part of the solution. NOTE: Each
correct selection is worth one point.

A. a virtual network gateway
B. Azure Firewall
C. a local network gateway
D. Azure Web Application Firewall (WAF)
E. an on-premises data gateway

F. an Azure application gateway
G. a user-defined route

Answer: AC

Explanation:
Reference:
https://docs.microsoft.com/en-us/azure/vpn-gateway/tutorial-site-to-site-portal

NEW QUESTION 17
- (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 20
- (Exam Topic 3)
You have two Azure virtual networks named Hub1 and Spoke1. Hub1 connects to an on-premises network by using a Site-to-Site VPN connection.
You are implementing peering between Hub1 and Spoke1.
You need to ensure that a virtual machine connected to Spoke1 can connect to the on-premises network through Hub1.
How should you complete the PowerShell script? To answer, drag the appropriate values to the correct targets. Each value may be used once, more than once, or not at all. You may need to drag the split bar between panes or scroll to view content.
NOTE: Each correct selection is worth one point.

Values

```
-AllowForwardedTraffic
```

```
-AllowGatewayTransit
```

```
-UseRemoteGateways
```

Answer Area

```
$hub = Get-AZVirtualNetwork -ResourceGroup "RG1" -Name "Hub1"

$spoke = Get-AZVirtualNetwork -ResourceGroup "RG2" -Name "Spoke1"

Add-AZVirtualNetworkPeering -Name "Hub1-Spoke1" -VirtualNetwork $hub

        -RemoteVirtualNetworkId $spoke.id        [ Value ]

Add-AZVirtualNetworkPeering -Name "Spoke1-Hub1" -VirtualNetwork $spoke

        -RemoteVirtualNetworkId $hub.id          [ Value ]
```

A. Mastered
B. Not Mastered

Answer: A

Explanation:
Graphical user interface, text, application Description automatically generated
Reference:
https://docs.microsoft.com/en-us/azure/architecture/reference-architectures/hybrid-networking/hub-spoke?tabs=

NEW QUESTION 21
- (Exam Topic 3)
You have an Azure subscription that contains the public IPv4 addresses shown in the following table.

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

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

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

Answer: C

Explanation:
Reference:
https://docs.microsoft.com/en-us/azure/virtual-network/virtual-network-public-ip-address
This is because "Load balancer and the public IP address SKU must match when you use them with public IP addresses" https://docs.microsoft.com/en-us/azure/load-balancer/skus
Standard SKU Load Balancer routes traffic within and across regions, and to Availability Zones for high resiliency.

NEW QUESTION 26
- (Exam Topic 3)
You are planning an Azure Point-to-Site (P2S) VPN that will use OpenVPN. Users will authenticate by using an on premises Active Directory domain. Which additional service should you deploy to support the VPN authentication?

A. a certification authority (CA)
B. a RADIUS server
C. an Azure key vault
D. Azure Active Directory (Azure AD) Application Proxy

Answer: B

Explanation:
Reference:
https://docs.microsoft.com/en-us/azure/vpn-gateway/point-to-site-about

NEW QUESTION 31
- (Exam Topic 3)
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 |

A. Mastered
B. Not Mastered

Answer: A

Explanation:
Graphical user interface, table Description automatically generated
Reference:

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

NEW QUESTION 32
- (Exam Topic 3)
You have an Azure Front Door instance that has a single frontend named Frontend1 and an Azure Web Application Firewall (WAF) policy named Policy1. Policy1 redirects requests that have a header containing "string1" to https://www.contoso.com/redirect1. Policy1 is associated to Frontend1.
You need to configure additional redirection settings. Requests to Frontend1 that have a header containing "string2" must be redirected to https://www.contoso.com/redirect2.
Which three actions should you perform? Each correct answer presents part of the solution. NOTE: Each correct selection is worth one point.

A. Create a custom rule.
B. Configure a managed rule.
C. Create a frontend host.
D. Create a policy.
E. Create an association.
F. Add a custom rule to Policy1.

Answer: ABE

NEW QUESTION 33
- (Exam Topic 3)
You have an Azure virtual network named Vnet1 that contains two subnets named Subnet1 and Subnet2. You have the NAT gateway shown in the NATgateway1 exhibit, (Click the NATgateway1 tab)

NATgateway1	
NAT gateway	
Essentials	JSON View
Resource group (change)	: RG1
Location	: North Europe (Zone 1)
Subscription (change)	: Subscription1
Subscription ID	: 489f2hht-se7y-987v-g571-463hw3679512
Virtual network	: Vnet1
Subnets	: 1
Public IP addresses	: 0
Public IP prefixes	: 1
Tags (change)	: Click here to add tags

You have the virtual machine shown in the VM1 exhibit, (Click the VM1 tab)

VM1	
Virtual machine	
Essentials	
Resource group (change)	Operating system
RG1	Windows
Status	Size
Running	Standard B1s (1 vcpus, 1 GiB memory)
Location	Public IP address
North Europe (Zone 2)	
Subscription (change)	Virtual network/subnet
Subscription1	Vnet1/Subnet1
Subscription ID	DNS name
489f2hht-se7y-987v-g571-463hw3679512	
Availability zone	
2	
Tags (change)	
Click here to add tags	

Subnet1 is configured as shown in the Subnet1 exhibit, (Click the Subnet1 tab)

Subnet1
Vnet1

Name
Subnet1

Subnet address range * ⓘ

10.100.1.0/24

10.100.1.0 – 10.100.1.255 (251 + 5 Azure reserved addresses)

☐ Add IPv6 address space ⓘ

NAT gateway ⓘ

NATgateway1	⌄

Network security group

None	⌄

Route table

RouteTable1	⌄

SERVICE ENDPOINTS

Create service endpoint policies to allow traffic to specific azure resources from your virtual network over service endpoints. Learn more

Services ⓘ

Microsoft.Storage	⌄

Service	Status	
Microsoft.Storage	Succeeded	🗑

Service endpoint policies

0 selected	⌄

SUBNET DELEGATION

Delegate subnets to a service ⓘ

None	⌄

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

Answer Area

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

A. Mastered
B. Not Mastered

Answer: A

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

NEW QUESTION 34
- (Exam Topic 3)
You have an Azure subscription that contains the resources shown in the following table.

Name	Type	Location
WebApp1	Web app	West US
VNet1	Virtual network	East US

The IP Addresses settings for Vnet1 are configured as shown in the exhibit.

Basic   **IP Addresses**   Security   Tags   Review + create

The virtual network's address space, specified as one or more address prefixes in CIDR notation (e.g. 192.168.1.0/24).

IPv4 address space

10.3.0.0/16   10.3.0.0 - 10.3.255.255 (65536 addresses)   🗑

☐ Add IPv6 address space ⓘ

The subnet's address range in CIDR notation (e.g. 192.168.1.0/24). It must be contained by the address space of the virtual network.

＋ Add subnet   🗑 Remove subnet

☐	Subnet name	Subnet address range	NAT gateway
☐	Subnet1	10.3.0.0/16	

ⓘ Use of a NAT gateway is recommended for outbound internet access from a subnet. You can deploy a NAT gateway and assign it to a subnet after you create the virtual network. Learn more

You need to ensure that you can integrate WebApp1 and Vnet1.
Which three actions should you perform in sequence before you can integrate WebApp1 and Vnet1? To answer, move the appropriate actions from the list of actions to the answer area and arrange them in the correct order.

Actions   **Answer Area**

| Create a service endpoint |

| Deploy a VPN gateway |

| Add a private endpoint | ⟩   ⟨   ⌃   ⌄

| Modify the address space of Vnet1 |

| Configure a Point-to-Site (P2S) VPN |

A. Mastered
B. Not Mastered

Answer: A

Explanation:
Text Description automatically generated with medium confidence
Reference:
https://docs.microsoft.com/en-us/azure/app-service/web-sites-integrate-with-vnet#gateway-required-vnet-integra

NEW QUESTION 39
- (Exam Topic 3)
You have the Azure Traffic Manager profiles shown in the following table.

Name	Routing method
Profile1	Performance
Profile2	Multivalue

You plan to add the endpoints shown in the following table.

Name	Type	Additional settings
Endpoint1	Azure endpoint	Target resource type: App Service
Endpoint2	External endpoint	FQDN or IP: www.contoso.com
Endpoint3	External endpoint	FQDN or IP: 131.107.10.15
Endpoint4	Nested endpoint	Target resource: Profile1

Which endpoints can you add to Profile2?

A. Endpoint1 and Endpoint4 only
B. Endpoint1, Endpoint2, Endpoint3, and Endpoint4
C. Endpoint1 only
D. Endpoint2 and Endpoint3 only
E. Endpoint3 only

Answer: A

NEW QUESTION 42
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