DBCLOUD
EXAMS

QUESTIONS & ANSWERS

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Technology Provider: Microsoft
Exam: Designing and Implementing Microsoft Azure Networking Solutions
Number of questions in the database: 366
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Topic 1 - Question Set 1

Question #1*Topic 1*

Your company has a single on-premises datacenter in Washington DC. The East US Azure region has a peering location in Washington DC.
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

Correct Answer: *A*
Reference:
https://azure.microsoft.com/en-us/pricing/details/expressroute/

Respuesta por mayor votación de la comunidad

A (90%)

10%

Question #2*Topic 1*

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

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

Correct Answer: *B*
Reference:
https://docs.microsoft.com/en-us/azure/vpn-gateway/point-to-site-about

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Respuesta por mayor votación de la comunidad

B (100%)

Question #3*Topic 1*

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

Correct Answer: *AD*
Reference:
https://docs.microsoft.com/en-us/azure/vpn-gateway/bgp-howto

Respuesta por mayor votación de la comunidad

AD (100%)

Question #4*Topic 1*

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. RouteDiagnosticLog
- C. GatewayDiagnosticLog
- D. TunnelDiagnosticLog

Correct Answer: *A*
Reference:
https://docs.microsoft.com/en-us/azure/vpn-gateway/troubleshoot-vpn-with-azure-diagnostics

Respuesta por mayor votación de la comunidad

A (100%)

Question #5*Topic 1*

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You have an Azure virtual network and an on-premises datacenter.
You are planning a Site-to-Site VPN connection between the datacenter and the virtual network.
Which two resources should you include in your plan? Each correct answer presents part of the solution.
NOTE: Each correct selection is worth one point.

- A. a user-defined route
- B. a virtual network gateway
- C. Azure Firewall
- D. Azure Web Application Firewall (WAF)
- E. an on-premises data gateway
- F. an Azure application gateway
- G. a local network gateway

Correct Answer: *BG*
Reference:
https://docs.microsoft.com/en-us/azure/vpn-gateway/tutorial-site-to-site-portal

Respuesta por mayor votación de la comunidad

BG (100%)

Question #6*Topic 1*

HOTSPOT -
You need to connect an on-premises network and an Azure environment. The solution must use ExpressRoute and support failing over to a Site-to-Site VPN connection if there is an ExpressRoute failure.
What should you configure? To answer, select the appropriate options in the answer area.
NOTE: Each correct selection is worth one point.
Hot Area:

Answer Area

Routing type: [ ]
- Policy-based
- Route-based
- Static routing

Number of virtual network gateways: [ ]
- 1
- 2
- 3

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Correct Answer:

Answer Area

Routing type:

- Policy-based
- Route-based
- Static routing

Number of virtual network gateways:

- 1
- 2
- 3

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

Question #7*Topic 1*

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

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- D. 4
- E. 5

Correct Answer: *A*
Reference:
https://docs.microsoft.com/en-us/azure/expressroute/expressroute-introduction

Respuesta por mayor votación de la comunidad

A (88%)

13%

Question #8*Topic 1*

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

Correct Answer: *B*
Reference:
https://docs.microsoft.com/en-us/azure/expressroute/expressroute-global-reach

Respuesta por mayor votación de la comunidad

B (100%)

Question #9*Topic 1*

HOTSPOT -
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.

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Hot Area:

Answer Area:

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

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

Correct Answer:

Answer Area:

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

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

Box 1: An enterprise application
Enable Azure AD authentication on the VPN gateway:
1. Locate the Directory ID of the directory that you want to use for authentication. It's listed in the properties section of the Active Directory page.
2. Under your Azure AD, in Enterprise applications, you see Azure VPN listed.
Copy the Directory ID.
3. Sign in to the Azure portal as a user that is assigned the Global administrator role.
4. Next, give admin consent. Copy and paste the URL that pertains to your deployment location in the address bar of your browser.
5. Select the Global Admin account if prompted.
6. Select Accept when prompted.

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