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Fortinet

FCP_ZCS-AD-7.4

FCP - Azure Cloud Security 7.4 Administrator



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Latest Version: 6.1

Question: 1

Your organization is in the process of optimizing its Azure network architecture and wants to dynamically manage and exchange routing information between its virtual networks and on-premises networks.

Which Azure service would help to provide a centralized point for efficient route management and dynamic routing?

- A. Azure Virtual WAN
- B. Azure VPN Gateway
- C. Azure ExpressRoute
- D. Azure Route Server

Answer: D

Explanation:

Azure Route Server enables dynamic route exchange using BGP between your Azure virtual network and network virtual appliances (NVAs) or on-premises networks. It provides a centralized and scalable solution for route management, allowing seamless integration of routing updates without manual configuration changes.

Question: 2

A Linux server was deployed in a protected subnet with a dynamic IP address. A FortiGate VM in the internal subnet provides traffic filtering to it, and you must implement a firewall policy using the IP address of the Linux server.

Which feature could help integrate FortiGate using Linux server tags?

- A. Targets Management
- B. Microsoft Entra ID
- C. Software-defined network (SDN) connector
- D. Service Fabric Cluster

Answer: C

Explanation:

The Software-defined network (SDN) connector allows FortiGate to dynamically pull metadata such as tags, IP addresses, and resource groups from Azure resources. This enables automatic policy updates based on dynamic IP changes, such as those of a Linux server in a protected subnet.

Question: 3

Refer to the exhibits.

FortiGate sniffer output

```
FGTLab-FGT-A # diagnose sniffer packet any 'port 80' 4
Using Original Sniffing Mode
interfaces=[any]
filters=[port 80]
2.727141 port1 out 10.0.0.4.15048 -> 168.63.129.16.80: syn 2787271009
2.727149 sriovslv0 out 10.0.0.4.15048 -> 168.63.129.16.80: syn 2787271009
2.727743 port1 in 168.63.129.16.80 -> 10.0.0.4.15048: syn 2252873112 ack 2787271010
2.727791 port1 out 10.0.0.4.15048 -> 168.63.129.16.80: ack 2252873113
2.727795 sriovslv0 out 10.0.0.4.15048 -> 168.63.129.16.80: ack 2252873113
2.727831 port1 out 10.0.0.4.15048 -> 168.63.129.16.80: psh 2787271010 ack 2252873113
2.727834 sriovslv0 out 10.0.0.4.15048 -> 168.63.129.16.80: psh 2787271010 ack 2252873113
2.729649 port1 in 168.63.129.16.80 -> 10.0.0.4.15048: 2252873113 ack 2787271142
2.729670 port1 out 10.0.0.4.15048 -> 168.63.129.16.80: ack 2252874541
2.729672 sriovslv0 out 10.0.0.4.15048 -> 168.63.129.16.80: ack 2252874541
2.729678 port1 in 168.63.129.16.80 -> 10.0.0.4.15048: psh 2252874541 ack 2787271142
2.729688 port1 out 10.0.0.4.15048 -> 168.63.129.16.80: ack 2252875391
2.729690 sriovslv0 out 10.0.0.4.15048 -> 168.63.129.16.80: ack 2252875391
2.729728 port1 out 10.0.0.4.15048 -> 168.63.129.16.80: fin 2787271142 ack 2252875391
2.729730 sriovslv0 out 10.0.0.4.15048 -> 168.63.129.16.80: fin 2787271142 ack 2252875391
```

FortiGate sniffer output

```
FGTLab-FGT-A # diagnose sniffer packet any 'port 22' 4
Using Original Sniffing Mode
interfaces=[any]
filters=[port 22]
^C
0 packets received by filter
0 packets dropped by kernel

FGTLab-FGT-A #
FGTLab-FGT-A #
FGTLab-FGT-A #
FGTLab-FGT-A #
```

A high availability (HA) active-active FortiGate with Elastic Load Balancing (ELB) and Internal Load Balancing (ILB) was deployed with a default setup to filter traffic to a Linux server running Apache server.

Ports 80 and 22 are open on the Linux server, and on FortiGate a VIP and firewall policy are configured to allow traffic through ports 80 and 22. Traffic on port 80 is successful, but traffic on port 22 is not detected by FortiGate.

What configuration changes could you perform to allow SSH traffic?

- A. Configure a customized port under the Frontend IP configuration
- B. Add a new Azure load balancing rule
- C. Include the Linux server in the back-end pool options
- D. Add a new Inbound NAT rule

Answer: D

Explanation:

Since port 80 traffic is reaching the FortiGate (as shown in the sniffer output) but port 22 traffic is not, the issue lies before the FortiGate, at the Azure Load Balancer level. Azure Load Balancers require an Inbound NAT rule to forward specific ports (like SSH on port 22) to a specific backend VM. Creating a new Inbound NAT rule for port 22 will allow SSH traffic to be properly routed to the FortiGate VM.

Question: 4

Which additional features does Azure Firewall Premium offer compared to Azure Firewall Standard?

- A. Content filtering and threat intelligence integration
- B. Antivirus detection and AI prevention capabilities
- C. Advanced DDoS protection and VPN diagnostics
- D. Enhanced URL filtering and web categories

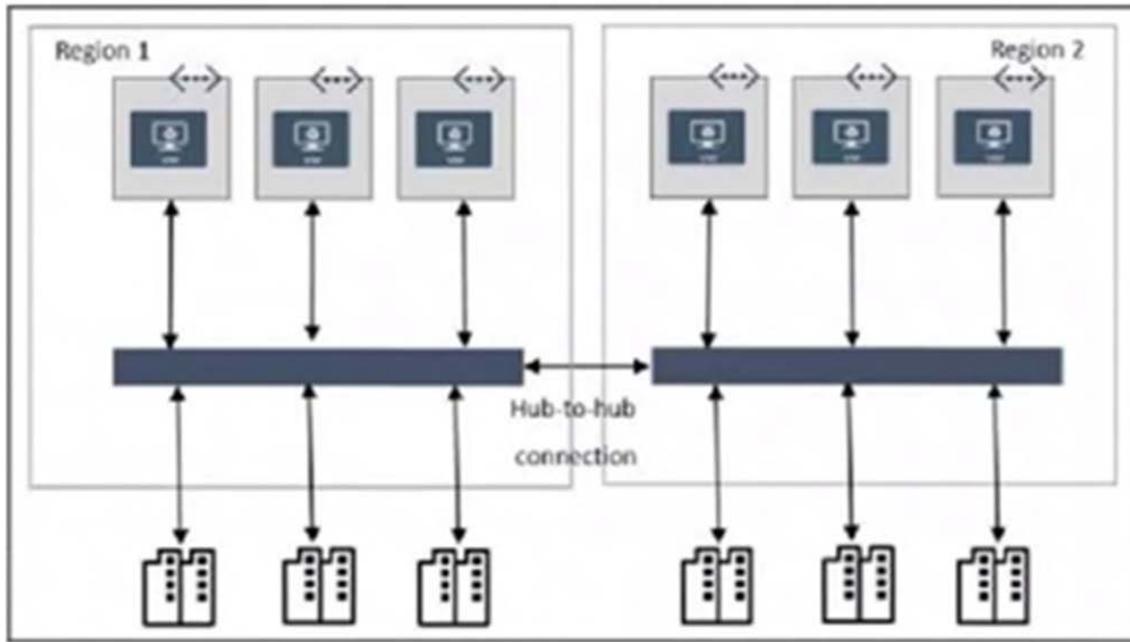
Answer: C

Explanation:

Azure Firewall Premium includes advanced features not available in the Standard tier, such as enhanced URL filtering and web categories, TLS inspection, IDPS (intrusion detection and prevention system), and support for private certificate authorities. These enable more granular and secure traffic inspection and control.

Question: 5

Refer to the exhibit.



Your organization is planning the implementation of a complex hub-to-spoke solution to meet automated large-scale branch connectivity with multiple regions, offering a diverse range of connectivity options.

Which Azure networking service can deliver a solution?

- A. Azure SD-WAN
- B. Azure Virtual WAN
- C. Azure VPN Gateway
- D. Azure Firewall Manager

Answer: B

Explanation:

Azure Virtual WAN is designed for large-scale, automated, and global branch connectivity, supporting hub-and-spoke architectures across multiple regions. It enables centralized routing, hub-to-hub connectivity, and integrates with VPN, ExpressRoute, and SD-WAN solutions, making it ideal for complex, multi-region deployments as shown in the diagram.

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