Fortinet

Exam Questions FCSS_EFW_AD-7.6

FCSS - Enterprise Firewall 7.6 Administrator

NEW QUESTION 1
A company's users on an IPsec VPN between FortiGate A and B have experienced intermittent issues since implementing VXLAN. The administrator suspects that packets exceeding the 1500-byte default MTU are causing the problems.
In which situation would adjusting the interface??s maximum MTU value help resolve issues caused by protocols that add extra headers to IP packets?

A. Adjust the MTU on interfaces only if FortiGate has the FortiGuard enterprise bundle, which allows MTU modification.
B. Adjust the MTU on interfaces in all FortiGate devices that support the latest family of Fortinet SPUs: NP7, CP9 and SP5.
C. Adjust the MTU on interfaces in controlled environments where all devices along the path allow MTU interface changes.
D. Adjust the MTU on interfaces only in wired connections like PPPoE, optic fiber, and ethernet cable.

Answer: C

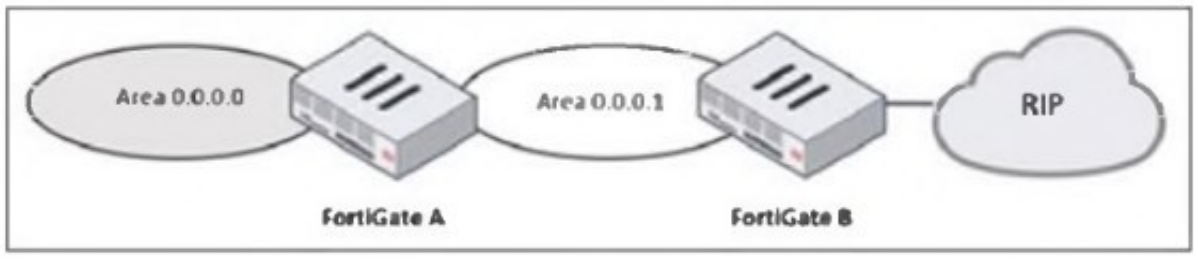
NEW QUESTION 2
Refer to the exhibit, which shows an ADVPN network

An administrator must configure an ADVPN using IBGP and EBGP to connect overlay network 1 with 2.
What two options must the administrator configure in BGP? (Choose two.)

A. set ebgp-enforce-multrhop enable
B. set next-hop-self enable
C. set ibgp-enforce-multihop advpn
D. set attribute-unchanged next-hop

Answer: AB

NEW QUESTION 3
Refer to the exhibit, which shows a partial enterprise network.



An administrator would like the area 0.0.0.0 to detect the external network. What must the administrator configure?

A. Enable RIP redistribution on FortiGate B.
B. Configure a distribute-route-map-in on FortiGate B.
C. Configure a virtual link between FortiGate A and B.
D. Set the area 0.0.0.l type to stub on FortiGate A and B.

Answer: A

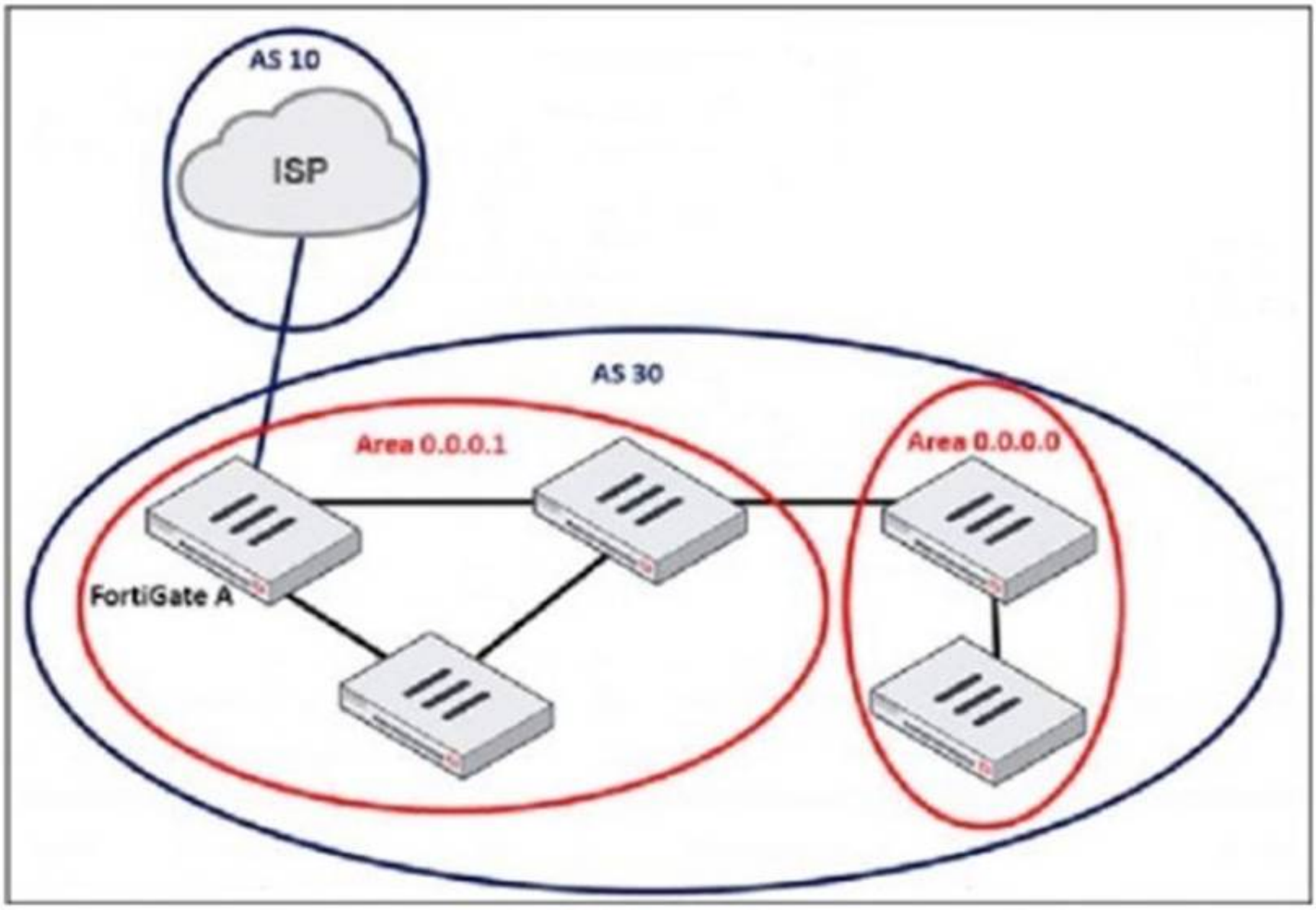
NEW QUESTION 4
An administrator is checking an enterprise network and sees a suspicious packet with the MAC address e0:23:ff:fc:00:86.
What two conclusions can the administrator draw? (Choose two.)

A. The suspicious packet is related to a cluster that has VDOMs enabled.
B. The network includes FortiGate devices configured with the FGSP protocol.

C. The suspicious packet is related to a cluster with a group-id value lower than 255.
D. The suspicious packet corresponds to port 7 on a FortiGate device.

Answer: AC

NEW QUESTION 5
Refer to the exhibit, which shows an enterprise network connected to an internet service provider.



The administrator must configure the BGP section of FortiGate A to give internet access to the enterprise network.
Which command must the administrator use to establish a connection with the internet service provider?

A. config neighbor
B. config redistribute bgp
C. config router route-map
D. config redistribute ospf

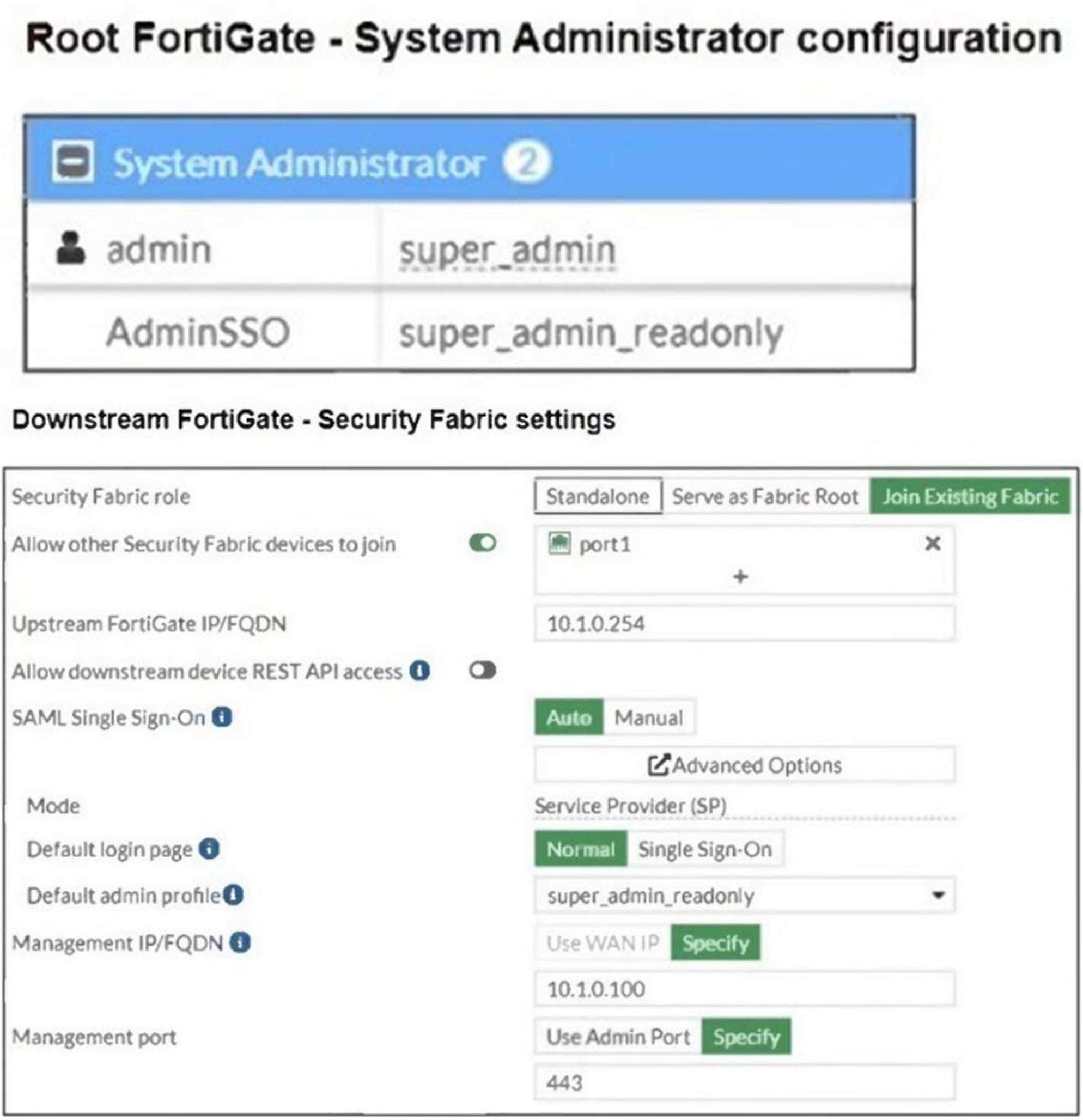
Answer: A

NEW QUESTION 6
An administrator received a FortiAnalyzer alert that a 1 disk filled up in a day. Upon investigation, they found thousands of unusual DNS log requests, such as JHCMQK.website.com, with no answers. They later discovered that DNS exfiltration was occurring through both UDP and TLS.
How can the administrator prevent this data theft technique?

A. Create an inline-CASB to protect against DNS exfiltration.
B. Configure a File Filter profile to prevent DNS exfiltration.
C. Enable DNS Filter to protect against DNS exfiltration.
D. Use an IPS profile and DNS exfiltration-related signatures.

Answer: D

NEW QUESTION 7
Refer to the exhibits.



The Administrators section of a root FortiGate device and the Security Fabric Settings section of a downstream FortiGate device are shown.
When prompted to sign in with Security Fabric in the downstream FortiGate device, a user enters the AdminSSO credentials.
What is the next status for the user?

A. The user is prompted to create an SSO administrator account for AdminSSO.
B. The user receives an authentication failure message.
C. The user accesses the downstream FortiGate with super_admin_readonly privileges.
D. The user accesses the downstream FortiGate with super_admin privileges.

Answer: C

NEW QUESTION 8
An administrator is setting up an ADVPN configuration and wants to ensure that peer IDs are not exposed during VPN establishment.
Which protocol can the administrator use to enhance security?

A. Use IKEv2, which encrypts peer IDs and prevents exposure.
B. Opt for SSL VPN web mode because it does not use peer IDs at all.
C. Choose IKEv1 aggressive mode because it simplifies peer identification.
D. Stick with IKEv1 main mode because it offers better performance.

Answer: A

NEW QUESTION 9
An administrator wants to scale the IBGP sessions and optimize the routing table in an IBGP network.
Which parameter should the administrator configure?

A. network-import-check
B. ibgp-enforce-multihop
C. neighbor-group
D. route-reflector-client

Answer: D

NEW QUESTION 10
A FortiGate device with UTM profiles is reaching the resource limits, and the administrator expects the traffic in the enterprise network to increase.
The administrator has received an additional FortiGate of the same model.
Which two protocols should the administrator use to integrate the additional FortiGate device into this enterprise network? (Choose two.)

A. FGSP with external load balancers
B. FGCP in active-active mode and with switches
C. FGCP in active-passive mode and with VDOM disabled
D. VRRP with switches

Answer: AB

NEW QUESTION 10
Refer to the exhibit, which contains a partial VPN configuration.

```
config vpn ipsec phase1-interface
edit tunnel
set type dynamic
set interface "port1"
set ike-version 2
set keylife 28800
set peertype any
set net-device disable
set proposal aes128-sha256 aes256-sha256
set dpd on-idle
set add-route enable
set psksecret fortinet
next
end
```

What can you conclude from this VPN IPsec phase 1 configuration?

A. This configuration is the best for networks with regular traffic intervals, providing a balance between connectivity assurance and resource utilization.
B. Peer IDs are unencrypted and exposed, creating a security risk.
C. FortiGate will not add a route to its routing or forwarding information base when the dynamic tunnel is negotiated.
D. A separate interface is created for each dial-up tunnel, which can be slower and more resource intensive, especially in large networks.

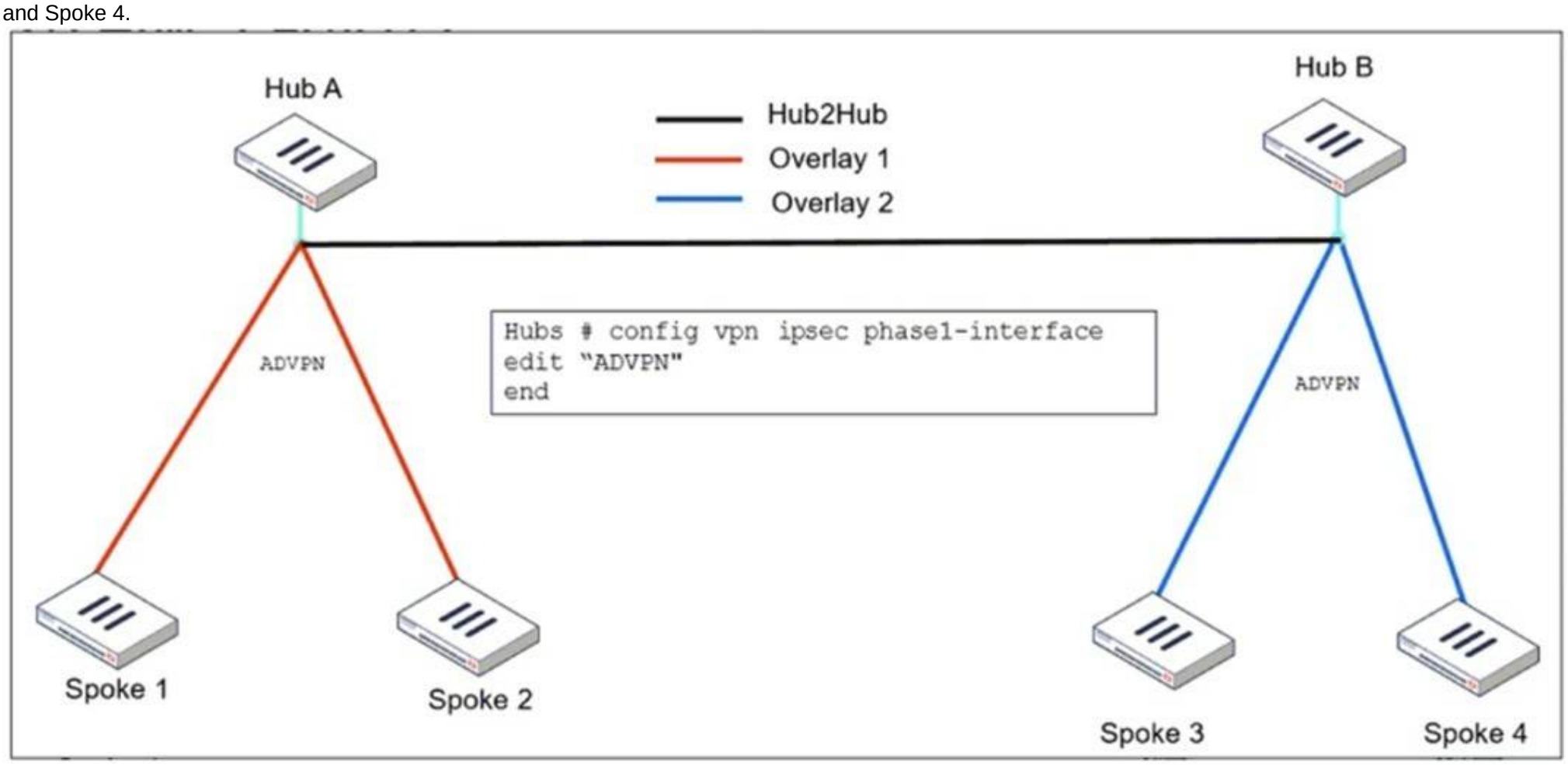
Answer: A

NEW QUESTION 15
An administrator is designing an ADVPN network for a large enterprise with spokes that have varying numbers of internet links. They want to avoid a high number of routes and peer connections at the hub.
Which method should be used to simplify routing and peer management?

A. Deploy a full-mesh VPN topology to eliminate hub dependency.
B. Implement static routing over IPsec interfaces for each spoke.
C. Use a dynamic routing protocol using loopback interfaces to streamline peers and routes.
D. Establish a traditional hub-and-spoke VPN topology with policy routes.

Answer: C

NEW QUESTION 16
Refer to the exhibit, which shows the ADVPN IPsec interface representing the VPN IPsec phase 1 from Hub A to Spoke 1 and Spoke 2, and from Hub to Spoke 3 and Spoke 4.

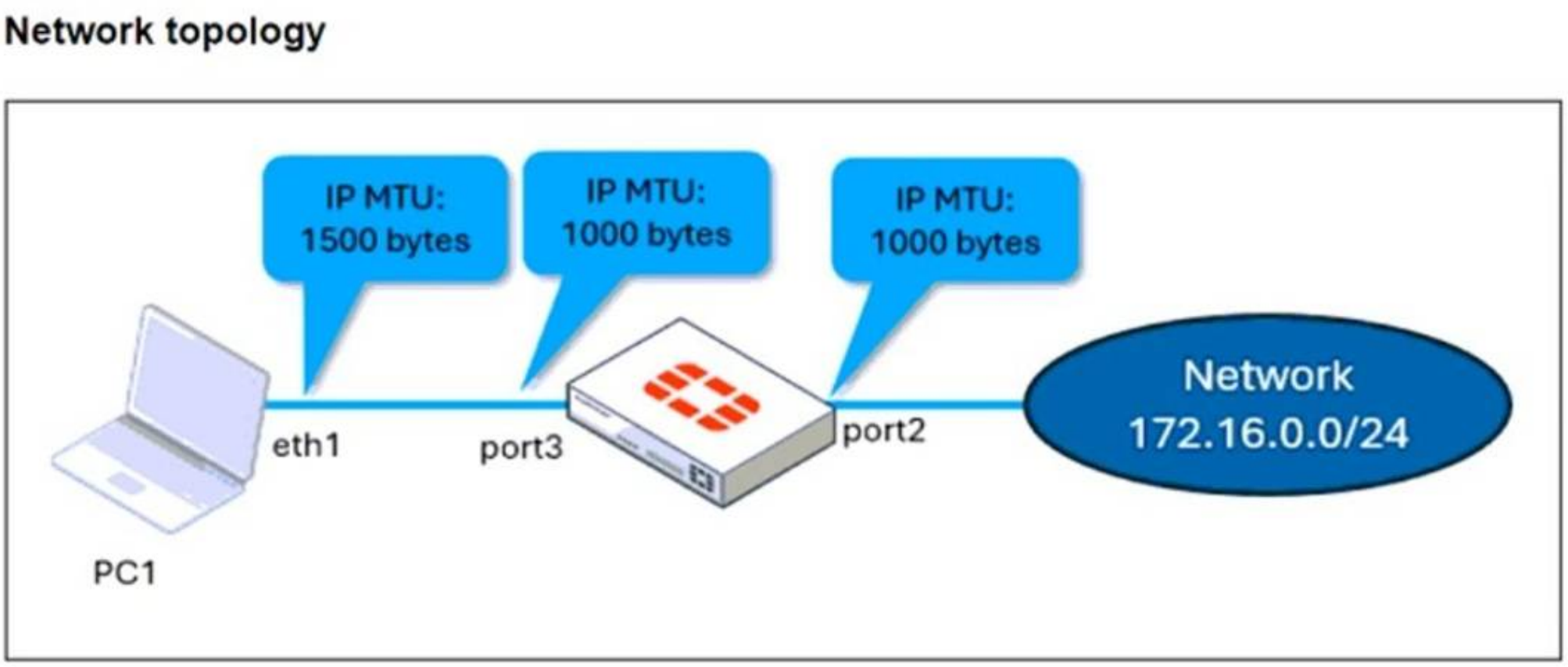


An administrator must configure an ADVPN using IBGP and EBGP to connect overlay network 1 with 2.
What must the administrator configure in the phase 1 VPN IPsec configuration of the ADVPN tunnels?

A. set auto-discovery-sender enable and set network-id x
B. set auto-discovery-forwarder enable and set remote-as x
C. set auto-discovery-crossover enable and set enforce-multihop enable
D. set auto-discovery-receiver enable and set npu-offload enable

Answer: C

NEW QUESTION 20
Refer to the exhibits.



port 3 configuration on FortiGate

```
config system interface
 edit "port3"
  set vdom "root"
  set ip 10.0.0.1 255.255.255.0
  set allowaccess ping https ssh snmp http fgfm ftm
  set type physical
  set alias "LAN"
  set snmp-index 3
  set mtu-override enable
  set mtu 1000
 next
end
```

ping output

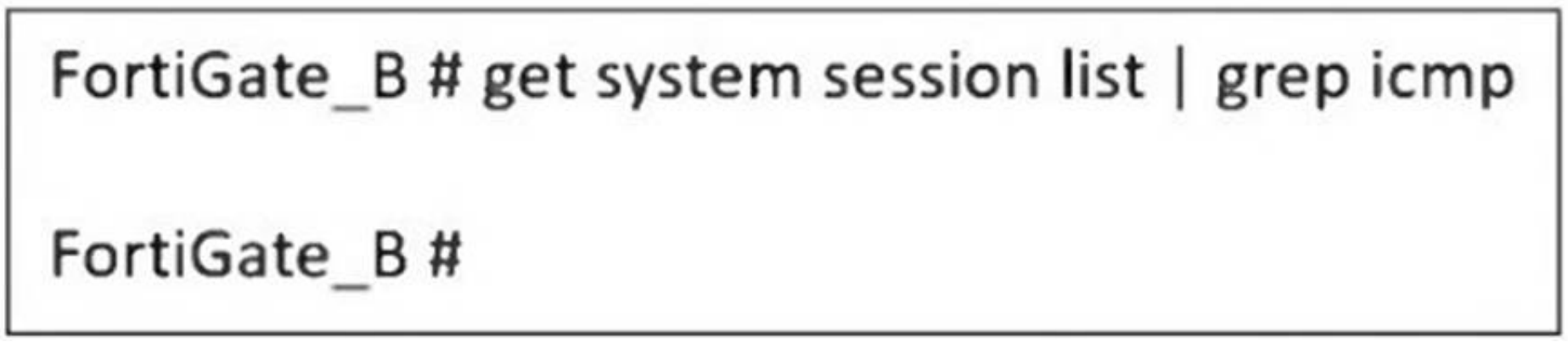
```
C:\Users\fortinet>ping 172.16.0.254 -f -l 1400

Pinging 172.16.0.254 with 1400 bytes of data:
Reply from 10.0.0.1: Packet needs to be fragmented but DF set.
Packet needs to be fragmented but DF set.
Packet needs to be fragmented but DF set.
Packet needs to be fragmented but DF set.

Ping statistics for 172.16.0.254:
Packets: Sent = 4, Received = 1, Lost = 3 (75% loss),
```

The configuration of a user's Windows PC, which has a default MTU of 1500 bytes, along with FortiGate interfaces set to an MTU of 1000 bytes, and the results of PC1 pinging server 172.16.0.254 are shown.
Why is the user in Windows PC1 unable to ping server 172.16.0.254 and is seeing the message: Packet needs to be fragmented but DF set?

A. Option ip.flags.mf must be set to enable on FortiGat
B. The user has to adjust the ping MTU to 1000 to succeed.
C. Fragmented packets must be encrypte
D. To connect any application successfully, the user must install the Fortinet_CA certificate in the Microsoft Management Console.
E. FortiGate honors the do not fragment bit and the packets are droppe
F. The user has to adjust the ping MTU to 972 to succeed.
G. The user must trigger different traffic because path MTU discovery techniques do not recognize ICMP payloads.

Answer: C

NEW QUESTION 25
Refer to the exhibit, which shows a command output.

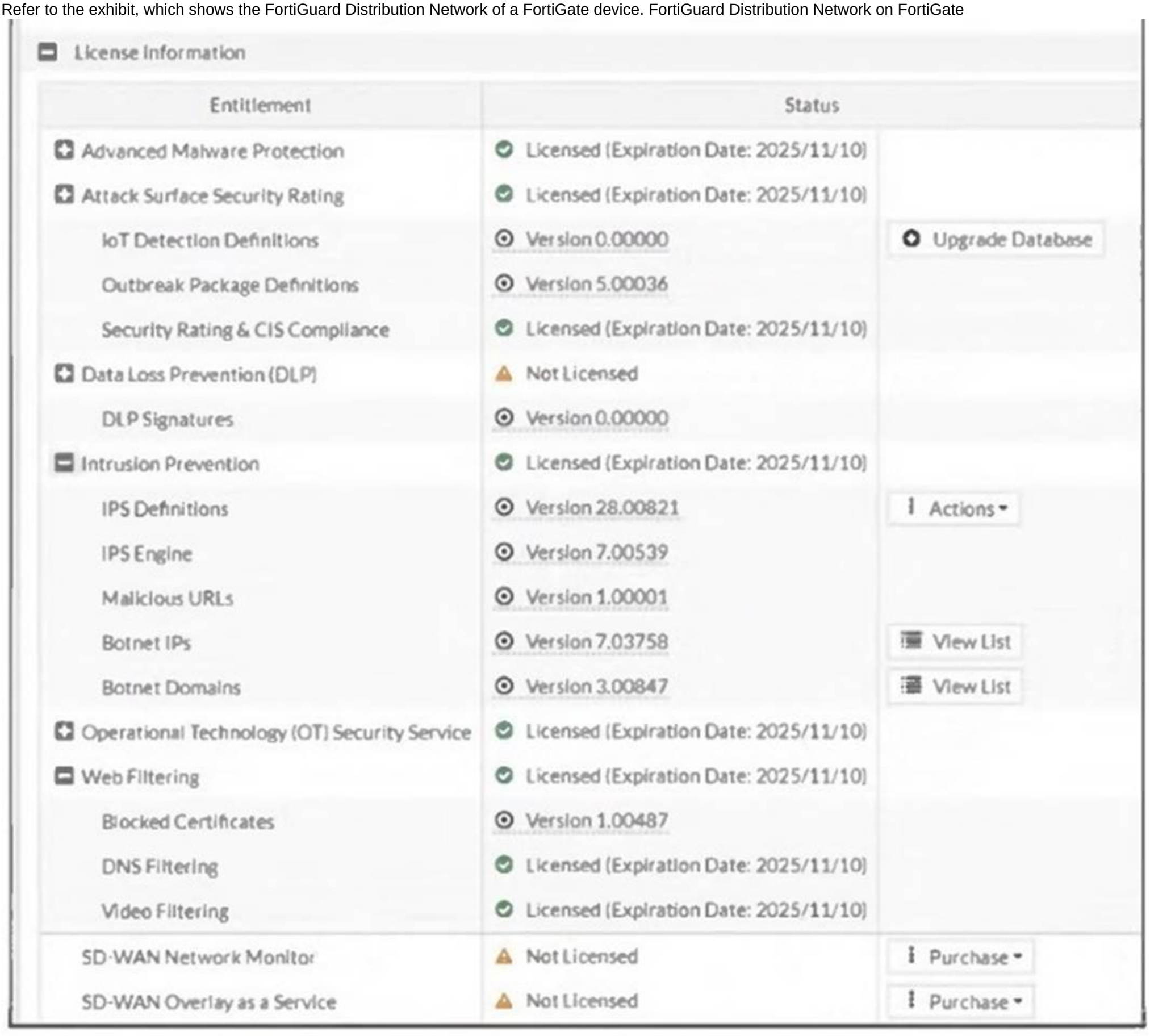


FortiGate_A and FortiGate_B are members of an FGSP cluster in an enterprise network. While testing the cluster using the ping command, the administrator monitors packet loss
and found that the session output on FortiGate_B is as shown in the exhibit.
What could be the cause of this output on FortiGate_B?

A. The session synchronization is encrypted.
B. session-pickup-connectionless is set to disable on FortiGate_B.
C. FortiGate_B is configured in passive mode.
D. FortiGate_A and FortiGate_B have the same standalone-group-id value.

Answer: B

NEW QUESTION 28
Refer to the exhibit, which shows the FortiGuard Distribution Network of a FortiGate device. FortiGuard Distribution Network on FortiGate



An administrator is trying to find the web filter database signature on FortiGate to resolve issues with websites not being filtered correctly in a flow-mode web filter profile.
Why is the web filter database version not visible on the GUI, such as with IPS definitions?

A. The web filter database is stored locally, but the administrator must run over CLI diagnose autoupdate versions.
B. The web filter database is stored locally on FortiGate, but it is hidden behind the GU
C. It requires enabling debug mode to make it visible.
D. The web filter database is not hosted on FortiGate: FortiGate queries FortiGuard or FortiManager for web filter ratings on demand.
E. The web filter database is only accessible after manual syncing with a valid FDS server using diagnose test update info.

Answer: C

NEW QUESTION 31
What is the initial step performed by FortiGate when handling the first packets of a session?

A. Installation of the session key in the network processor (NP)
B. Data encryption and decryption
C. Security inspections such as ACL, HPE, and IP integrity header checking
D. Offloading the packets directly to the content processor (CP)

Answer: C

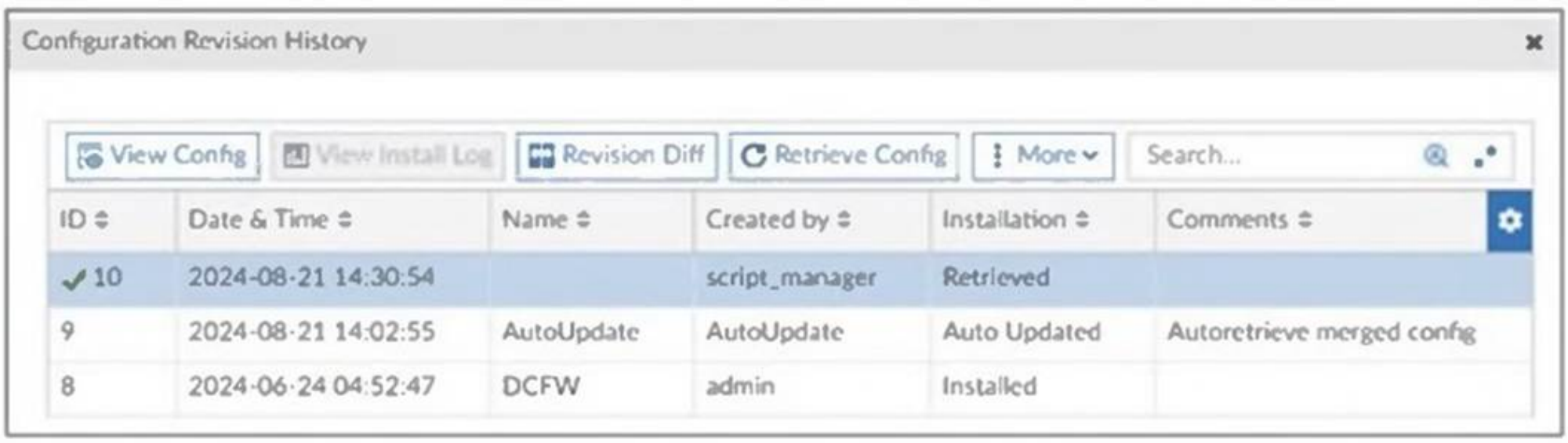
NEW QUESTION 34
Refer to the exhibit, which shows a physical topology and a traffic log.

The administrator is checking on FortiAnalyzer traffic from the device with IP address 10.1.10.1, located behind the FortiGate ISFW device.
The firewall policy in on the ISFW device does not have UTM enabled and the administrator is surprised to see a log with the action Malware, as shown in the exhibit.
What are the two reasons FortiAnalyzer would display this log? (Choose two.)

A. Security rating is enabled in ISFW.
B. ISFW is in a Security Fabric environment.
C. ISFW is not connected to FortiAnalyzer and must go through NGFW-1.
D. The firewall policy in NGFW-1 has UTM enabled.

Answer: BD

NEW QUESTION 38
Refer to the exhibit, which shows a revision history window in the FortiManager device layer.

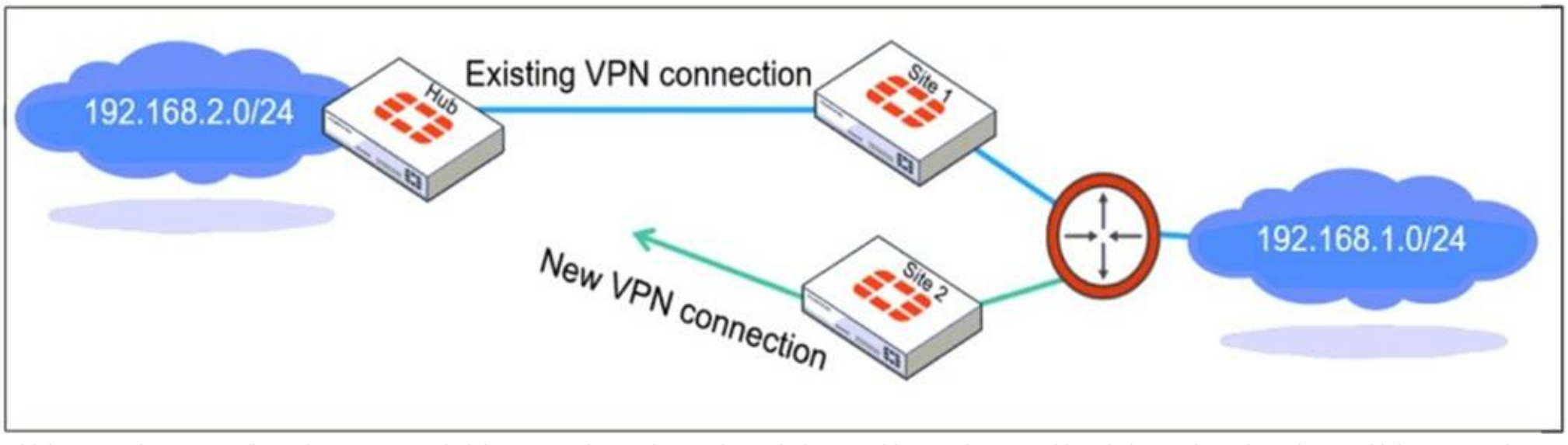


The IT team is trying to identify the administrator responsible for the most recent update in the FortiGate device database.
Which conclusion can you draw about this scenario?

A. This retrieved process was automatically triggered by a Remote FortiGate Directly (via CLI) script.
B. The user script_manager is an API user from the Fortinet Developer Network (FDN) retrieving a configuration.
C. To identify the user who created the event, check it on the Configuration and Installation widget on FortiGate within the FortiManager device layer.
D. Find the user in the FortiManager system logs and use the type=script command to find the administrator user in the user field.

Answer: D

NEW QUESTION 43
Refer to the exhibit, which shows a network diagram showing the addition of site 2 with an overlapping network segment to the existing VPN IPsec connection between the hub and site 1.



Which IPsec phase 2 configuration must an administrator make on the FortiGate hub to enable equal-cost multi-path (ECMP) routing when multiple remote sites connect with overlapping subnets?

A. Set route-overlap to either use-new or use-old
B. Set net-device to ecmp
C. Set single-source to enable
D. Set route-overlap to allow

Answer: A

NEW QUESTION 46
A company that acquired multiple branches across different countries needs to install new FortiGate devices on each of those branches. However, the IT staff lacks sufficient knowledge to implement the initial configuration on the FortiGate devices.
Which three approaches can the company take to successfully deploy advanced initial configurations on remote branches? (Choose three.)

A. Use metadata variables to dynamically assign values according to each FortiGate device.
B. Use provisioning templates and install configuration settings at the device layer.
C. Use the Global ADOM to deploy global object configurations to each FortiGate device.
D. Apply Jinja in the FortiManager scripts for large-scale and advanced deployments.
E. Add FortiGate devices on FortiManager as model devices, and use ZTP or LTP to connect to FortiGate devices.

Answer: ABE

NEW QUESTION 49
Which two statements about IKEv2 are true if an administrator decides to implement IKEv2 in the VPN topology? (Choose two.)

A. It includes stronger Diffie-Hellman (DH) groups, such as Elliptic Curve (ECP) groups.
B. It supports interoperability with devices using IKEv1.
C. It exchanges a minimum of two messages to establish a secure tunnel.
D. It supports the extensible authentication protocol (EAP).

Answer: AD

NEW QUESTION 51
Refer to the exhibit.

Routing table on FortiGate_A

```
FortiGate_A  # get router info routing-table all
Codes: K - kernel, C - connected, S - static, R - RIP, B - BGP
       O - OSPF, IA - OSPF inter area
       N1 - OSPF NSSA external type 1, N2 - OSPF NSSA external type 2
       E1 - OSPF external type 1, E2 - OSPF external type 2
       i - IS-IS, L1 - IS-IS level-1, L2 - IS-IS level-2, ia - IS-IS inter area
       V - BGP VPNv4
       * - candidate default

Routing table for VRF=0
S*      0.0.0.0/0 [10/0] via 10.1.0.254, port1, [1/0]
C       10.1.0.0/24 is directly connected, port1
C       10.1.4.0/24 is directly connected, port3
B       100.64.1.0/24 [200/0] via 10.1.0.254 (recursive is directly connected, port1), 00:39:45, [1/0]
B       172.16.1.252/30 [200/0] via 10.1.0.1 (recursive is directly connected, port1), 00:42:48, [1/0]
C       172.16.100.0/24 is directly connected, port8
```

Routing table on FortiGate_B

```
FortiGate_B  # get router info routing-table all
Codes: K - kernel, C - connected, S - static, R - RIP, B - BGP
       O - OSPF, IA - OSPF inter area
       N1 - OSPF NSSA external type 1, N2 - OSPF NSSA external type 2
       E1 - OSPF external type 1, E2 - OSPF external type 2
       i - IS-IS, L1 - IS-IS level-1, L2 - IS-IS level-2, ia - IS-IS inter area
       V - BGP VPNv4
       * - candidate default

Routing table for VRF=0
S*      0.0.0.0/0 [10/0] via 10.1.0.254, port1, [1/0]
S       4.2.2.2/32 [10/0] via 10.1.5.254, port4, [1/0]
C       10.1.0.0/24 is directly connected, port1
B       10.1.4.0/24 [200/0] via 10.1.0.100 (recursive is directly connected, port1), 00:41:02, [1/0]
C       10.1.5.0/24 is directly connected, port4
B       100.64.1.0/24 [200/0] via 10.1.0.254 (recursive is directly connected, port1), 00:38:14, [1/0]
C       172.16.1.248/30 is directly connected, C0
C       172.16.1.252/30 is directly connected, A0
C       172.16.100.0/24 is directly connected, port8
```

The routing tables of FortiGate_A and FortiGate_B are shown. FortiGate_A and FortiGate_B are in the same autonomous system.
The administrator wants to dynamically add only route 172.16.1.248/30 on FortiGate_A. What must the administrator configure?

A. The prefix 172.16.1.248/30 in the BGP Networks section on FortiGate_B
B. A BGP route map out for 172.16.1.248/30 on FortiGate_B
C. Enable Redistribute Connected in the BGP section on FortiGate_B.
D. A BGP route map in for 172.16.1.248/30 on FortiGate_A

Answer: B

NEW QUESTION 55
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