NSE7_EFW-7.2 Q&As

Fortinet NSE 7 - Enterprise Firewall 7.2

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QUESTION 1

Which two statements about IKE vision 2 are true? (Choose two.)

A. Phase 1 includes main mode

B. It supports the extensible authentication protocol (EAP)

C. It supports the XAuth protocol.

D. It exchanges a minimum of four messages to establish a secure tunnel

Correct Answer: BD

IKE version 2 supports the extensible authentication protocol (EAP), which allows for more flexible and secure authentication methods1. IKE version 2 also exchanges a minimum of four messages toestablish a secure tunnel, which is more efficient than IKE version 12. References: = IKE settings | FortiClient 7.2.2 - Fortinet Documentation, Technical Tip: How to configure IKE version 1 or 2 ... - Fortinet Community

QUESTION 2

Refer to the exhibit, which shows a routing table.

Network	Gateway IP	Interfaces	Distance	Type
0.0.0.0/0	10.1.0.254	port1	10	Static
10.1.0.0/24	0.0.0.0	port1	0	Connected
10.1.4.0/24	10.1.0.100	port1	110	OSPF
10.1.10.0/24	0.0.0.0	port3	0	Connected
172.16.100.0/24	0.0.0.0	port8	0	Connected

What two options can you configure in OSPF to block the advertisement of the 10.1.10.0 prefix? (Choose two.)

A. Remove the 16.1.10.C prefix from the OSPF network

B. Configure a distribute-list-out

C. Configure a route-map out

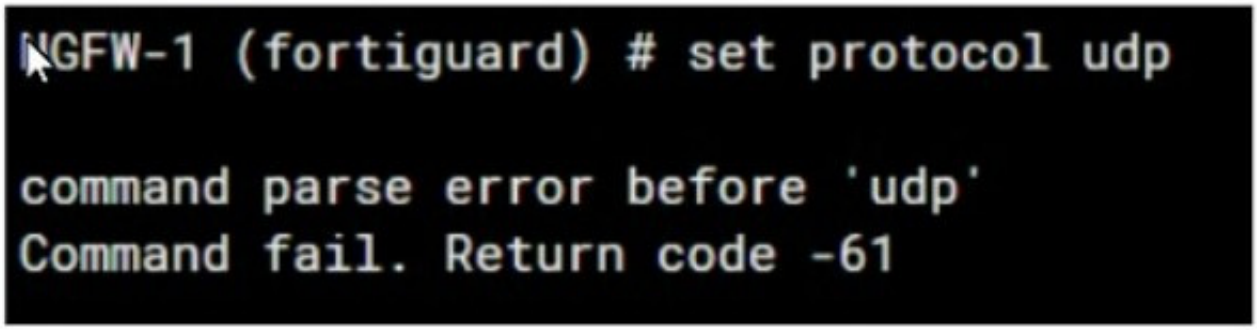
D. Disable Redistribute Connected

Correct Answer: BC

To block the advertisement of the 10.1.10.0 prefix in OSPF, you can configure a distribute-list-out or a route-map out. A distribute-list-out is used to filter outgoing routing updates from being advertised to OSPF neighbors1. A route-map out can also be used for filtering and is applied to outbound routing updates2. References := Technical Tip: Inbound route filtering in OSPF usi ... - Fortinet Community, OSPF | FortiGate / FortiOS 7.2.2 - Fortinet Documentation

QUESTION 3

Refer to the exhibit, which shows an error in system fortiguard configuration.



What is the reason you cannot set the protocol to udp in config system fortiguard?

A. FortiManager provides FortiGuard.

B. fortiguard-anycast is set to enable.

C. You do not have the corresponding write access.

D. udp is not a protocol option.

Correct Answer: D

The reason for the command failure when trying to set the protocol to UDP in theconfig system fortiguardis likely that UDP is not a protocol option in this context. The command syntax might be incorrect or the option to set a protocol for FortiGuard updates might not exist in this manner. So the correct answer is D. udp is not a protocol option.

QUESTION 4

Which two statements about the Security fabric are true? (Choose two.)

A. FortiGate uses the FortiTelemetry protocol to communicate with FortiAnatyzer.

B. Only the root FortiGate sends logs to FortiAnalyzer

C. Only FortiGate devices with configuration-sync receive and synchronize global CMDB objects that the toot FortiGate sends

D. Only the root FortiGate collects network topology information and forwards it to FortiAnalyzer

Correct Answer: BC

In the Security Fabric, only the root FortiGate sends logs to FortiAnalyzer (B). Additionally, only FortiGate devices withconfiguration-syncenabled receive and synchronize global Central Management Database (CMDB) objects that the root FortiGate sends (C). FortiGate uses the FortiTelemetry protocol to communicate with other FortiGates, not FortiAnalyzer (A). The last option (D) is incorrect as all FortiGates can collect and forward network topology information to FortiAnalyzer. References: FortiOS Handbook - Security Fabric

QUESTION 5

Refer to the exhibit, which contains information about an IPsec VPN tunnel.

```
FortiGate # diag vpn tunnel list
list all ipsec tunnel in vd 0
------------------------------------------------------
name=tunnel_0 ver=2 serial=1 100.64.3.1:0->100.64.1.1:0 tun_id=100.64.1.1 tun_id6=::100.64.1.1
bound_if=3 lgwy=static/1 tun=intf mode=auto/1 encap=none/552 options[0228]=npu frag-rfc  run_s

proxyid_num=1 child_num=0 refcnt=3 ilast=42949917 olast=42949917 ad=/0
stat: rxp=0 txp=0 rxb=0 txb=0
dpd: mode=off on=0 idle=20000ms retry=3 count=0 seqno=0
natt: mode=none draft=0 interval=0 remote_port=0
fec: egress=0 ingress=0
proxyid=tunnel_0_0 proto=0 sa=1 ref=2 serial=1
  src: 0:0.0.0.0-255.255.255.255:0
  dst: 0:0.0.0.0-255.255.255.255:0
  SA:  ref=3 options=30202 type=00 soft=0 mtu=1280 expire=1454/0B replaywin=2048
       seqno=1 esn=0 replaywin_lastseq=00000000 qat=192 rekey=0 hash_search_len=1
  life: type=01 bytes=0/0 timeout=1768/1800
  dec: spi=877d6590 esp=aes key=16 be308ec1fb05464205764424bc40a76d
       ah=sha256 key=32 cc8894be3390983521a48b2e7a5c998e6b28a10a3ddd8e7bc7ecbe672dfe7cc5
  enc: spi=63d0f38a esp=aes key=16 d8d3343af2fed4ddd958a022cd656b06
       ah=sha256 key=32 264402ba8ad04a7e97732b52ec27c92ff86e0a97bb33e22887677336f1670c7d
  dec:pkts/bytes=0/0, enc:pkts/bytes=0/0
  npu_flag=00 npu_rgwy=100.64.1.1 npu_lgwy=100.64.3.1 npu_selid=0 dec_npuid=0 enc_npuid=0
run_tally=0
```

What two conclusions can you draw from the command output? (Choose two.)

A. Dead peer detection is set to enable.

B. The IKE version is 2.

C. Both IPsec SAs are loaded on the kernel.

D. Forward error correction in phase 2 is set to enable.

Correct Answer: BC

From the command output shown in the exhibit:

B. The IKE version is 2: This can be deduced from the presence of \\'ver=2\\' in the output, which indicates that IKEv2 is being used.

C. Both IPsec SAs are loaded on the kernel: This is indicated by the line \\'npu flags=0x0/0\\', suggesting that no offload to NPU is occurring, and hence, both Security Associations are loaded onto the kernel for processing. Fortinet documentation specifies that the version of IKE (Internet Key Exchange) used and the loading of IPsec Security Associations can be verified through the diagnostic commands related to VPN tunnels.