NSE7_EFW-6.2^{Q&As}

Fortinet NSE 7 - Enterprise Firewall 6.2

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QUESTION 1

What conditions are required for two FortiGate devices to form an OSPF adjacency? (Choose three.)

A. IP addresses are in the same subnet.

B. Hello and dead intervals match.

C. OSPF IP MTUs match.

D. OSPF peer IDs match.

E. OSPF costs match.

Correct Answer: ABC

https://help.fortinet.com/fos50hlp/54/Content/FortiOS/fortigate-advanced-routing- 54/Routing_OSPF/ OSPF_Background_Concepts.htm#Adjacenc

QUESTION 2

Examine the IPsec configuration shown in the exhibit; then answer the question below. Questions and Answers PDF P-3

Name	Remote
Comments	Comments

Network

IP Version	⦿ IPv4 ○ IPv6
Remote Gateway	Static IP Address ⌄
IP Address	10.0.10.1
Interface	port1 ⌄
Mode Config	☐
NAT Traversal	☑
Keepalive Frequency	10
Dead Peer Detection	☑

An administrator wants to monitor the VPN by enabling the IKE real time debug using these commands: diagnose vpn ike log-filter src-addr4 10.0.10.1 diagnose debug application ike -1 diagnose debug enable The VPN is currently up, there is no traffic crossing the tunnel and DPD packets are being interchanged between both IPsec gateways. However, the IKE real time debug does NOT show any output.

Why isn\'t there any output?

A. The IKE real time shows the phases 1 and 2 negotiations only. It does not show any more output once the tunnel is up.

B. The log-filter setting is set incorrectly. The VPN\'s traffic does not match this filter.

C. The IKE real time debug shows the phase 1 negotiation only. For information after that, the administrator must use the IPsec real time debug instead: diagnose debug application ipsec -1.

D. The IKE real time debug shows error messages only. If it does not provide any output, it indicates that the tunnel is operating normally.

Correct Answer: B

QUESTION 3

Examine the output of the `diagnose ips anomaly list\\' command shown in the exhibit; then answer the question below.

```
# diagnose ips anomaly list

list nids meter:
id=ip_dst_session     ip=192.168.1.10    dos_id=2  exp=3646  pps=0  freq=0
id=udp_dst_session    ip=192.168.1.10    dos_id=2  exp=3646  pps=0  freq=0
id=udp_scan           ip=192.168.1.110   dos_id=1  exp=649   pps=0  freq=0
id=udp_flood          ip=192.168.1.110   dos_id=2  exp=653   pps=0  freq=0
id=tcp_src_session    ip=192.168.1.110   dos_id=1  exp=5175  pps=0  freq=8
id=tcp_port_scan      ip=192.168.1.110   dos_id=1  exp=175   pps=0  freq=0
id=ip_src_session     ip=192.168.1.110   dos_id=1  exp=5649  pps=0  freq=30
id=udp_src_session    ip=192.168.1.110   dos_id=1  exp=5649  pps=0  freq=22
```

Which IP addresses are included in the output of this command?

A. Those whose traffic matches a DoS policy.

B. Those whose traffic matches an IPS sensor.

C. Those whose traffic exceeded a threshold of a matching DoS policy.

D. Those whose traffic was detected as an anomaly by an IPS sensor.

Correct Answer: A

QUESTION 4

Examine the output of the `get router info ospf interface\\' command shown in the exhibit; then answer the question below.

```
# get router info ospf interface port4
port4 is up, line protocol is up
    Internet Address 172.20.121.236/24, Area 0.0.0.0, MTU 1500
    Process ID 0, Router ID 0.0.0.4, Network Type BROADCAST, Cost: 1
    Transmit Delay is 1 sec, State DROther, Priority 1
    Designated Router (ID) 172.20.140.2, Interface Address 172.20.121.2
Backup Designated Router (ID) 0.0.0.1, Interface Address
172.20.121.239
Timer intervals configured, Hello 10.000, Dead 40, Wait 40, Retransmit
5
    Hello due in 00:00:05
    Neighbor Count is 4, Adjacent neighbor count is 2
    Crypt Sequence Number is 411
    Hello received 106, sent 27, DD received 7 sent 9
    LS-Req received 2 sent 2, LS-Upd received 7 sent 5
    LS-Ack received 4 sent 3, Discarded 1
```

Which statements are true regarding the above output? (Choose two.)

A. The port4 interface is connected to the OSPF backbone area.

B. The local FortiGate has been elected as the OSPF backup designated router.

C. There are at least 5 OSPF routers connected to the port4 network.

D. Two OSPF routers are down in the port4 network.

Correct Answer: AC

on BROADCAST network there are 4 neighbors, among which 1*DR +1*BDR. So our FG has 4 neighbors, but create adjacency only with 2 (with DR and BDR). 2 neighbors DRother (not down).

QUESTION 5

View these partial outputs from two routing debug commands:

```
# get router info kernel
tab=254 vf=0 scope=0 type=1 proto=11 prio=0 0.0.0.0/0.0.0.0/0->0.0.0.0/0 pref=0.0.0.0 gwy=10.200.1.254
dev=2(port1)
tab=254 vf=0 scope=0 type=1 proto=11 prio=0 0.0.0.0/0.0.0.0/0->0.0.0.0/0 pref=0.0.0.0 gwy=10.200.2.254
dev=3(port2)
tab=254 vf=0 scope=253 type=1 proto=2 prio=0 0.0.0.0/0.0.0.0/0->10.0.1.0/24 pref=10.0.1.254 gwy=0.0.0.0
dev=4(port3)
# get router info routing-table all
S*      0.0.0.0/0 [10/0] via 10.200.1.254, port1
                [10/0] via 10.200.2.254, port2, [10/0]
C       10.0.1.0/24 is directly connected, port3
C       10.200.1.0/24 is directly connected, port1
C       10.200.2.0/24 is directly connected, port2
```

Which outbound interface will FortiGate use to route web traffic from internal users to the Internet?

A. Both port1 and port2

B. port3

C. port1

D. port2

Correct Answer: C