



NSE7_EFW-6.0^{Q&As}

Fortinet NSE 7 - Enterprise Firewall 6.0

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QUESTION 1

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

- A. OSPF IP MTUs match.
- B. OSPF costs match.
- C. OSPF peer IDs match.
- D. IP addresses are in the same subnet.
- E. Hello and dead intervals match.

Correct Answer: ADE

QUESTION 2

View the exhibit, which contains a partial output of an IKE real-time debug, and then answer the question below.

```
ike 0:H2S_0_0:2: received informational request
ike 0:H2S_0_0:2: processing notify type SHORTCUT_QUERY
ike 0:H2S_0_0: recv shortcut-query 409121717827462883 e501cb21acedd374/0000000000000000
100.64.3.1 10.1.1.254->10.1.2.254 psk 64 ppk 0 ttl 32 nat 0 ver 2 mode 0
ike 0:H2S_0_1: forward shortcut-query 409121717827462883
e501cb21acedd374/0000000000000000 100.64.3.1 10.1.1.254->10.1.2.254 psk 64 ppk 0 ttl
ver 2 mode 0
...
...
ike 0:H2S_0_1:3: received informational request
ike 0:H2S_0_1:3: processing notify type SHORTCUT_REPLY
ike 0:H2S_0_1: recv shortcut-reply 409121717827462883 e501cb21acedd374/5478f99c94826e1c
100.64.5.1 to 10.1.1.254 psk 64 ppk 0
ike 0:H2S_0_0: forward shortcut-reply 409121717827462883
e501cb21acedd374/5478f99c94826e1c 100.64.5.1 to 10.1.1.254 psk 64 ppk 0 ttl 31
```

Based on the debug output, which phase-1 setting is enabled in the configuration of this VPN?

- A. auto-discovery-receiver
- B. auto-discovery-forwarder
- C. auto-discovery-sender
- D. auto-discovery-shortcut

Correct Answer: A

QUESTION 3



View the exhibit, which contains the partial output of an IKE real-time debug, and then answer the question below.

```
ike 0:c49e59846861b0f6/0000000000000000:278: responder: main mode get 1st
message...
...
ike 0:c49e59846861b0f6/0000000000000000:278: incoming proposal:
ike 0:c49e59846861b0f6/0000000000000000:278: proposal id = 0:
ike 0:c49e59846861b0f6/0000000000000000:278:   protocol id = ISAKMP:
ike 0:c49e59846861b0f6/0000000000000000:278:     trans_id = KEY_IKE.
ike 0:c49e59846861b0f6/0000000000000000:278:     encapsulation = IKE/none
ike 0:c49e59846861b0f6/0000000000000000:278:       type=OAKLEY_ENCRYPT_ALG,
val=3DES_CBC.
ike 0:c49e59846861b0f6/0000000000000000:278:       type=OAKLEY_HASH_ALG,
val=SHA2_256.
ike 0:c49e59846861b0f6/0000000000000000:278:       type=AUTH_METHOD,
val=PRESHARED_KEY.
ike 0:c49e59846861b0f6/0000000000000000:278:       type=OAKLEY_GROUP,
val=MODP2048.
ike 0:c49e59846861b0f6/0000000000000000:278: ISAKMP SA lifetime=86400
...
ike 0:c49e59846861b0f6/0000000000000000:278: my proposal, gw VPN:
ike 0:c49e59846861b0f6/0000000000000000:278: proposal id = 1:
ike 0:c49e59846861b0f6/0000000000000000:278:   protocol id = ISAKMP:
ike 0:c49e59846861b0f6/0000000000000000:278:     trans_id = KEY_IKE.
ike 0:c49e59846861b0f6/0000000000000000:278:     encapsulation = IKE/none
ike 0:c49e59846861b0f6/0000000000000000:278:       type=OAKLEY_ENCRYPT_ALG,
val=AES_CBC, key-len=256
ike 0:c49e59846861b0f6/0000000000000000:278:       type=OAKLEY_HASH_ALG,
val=SHA2_256.
ike 0:c49e59846861b0f6/0000000000000000:278:       type=AUTH_METHOD,
val=PRESHARED_KEY.
ike 0:c49e59846861b0f6/0000000000000000:278:       type=OAKLEY_GROUP,
val=MODP2048.
ike 0:c49e59846861b0f6/0000000000000000:278: ISAKMP SA lifetime=86400
...
ike 0:c49e59846861b0f6/0000000000000000:278: negotiation failure
ike Negotiate ISAKMP SA Error: ike 0:c49e59846861b0f6/0000000000000000:278: no SA
proposal chosen
...
```

Why didn't the tunnel come up?

- A. The remote gateway is using aggressive mode and the local gateway is configured to use main mode.
- B. The remote gateway's phase 1 configuration does not match the local gateway's phase 1 configuration.
- C. The remote gateway's phase 2 configuration does not match the local gateway's phase 2 configuration
- D. The pre-shared keys do not match.

Correct Answer: B

QUESTION 4

View the exhibit, which contains the output of a diagnose command, and then answer the question below.



```
FGT # diagnose debug rating
Locale      : english
Service     : Web-filter
Status      : Enable
License     : Contract
Service     : Antispam
Status      : Disable
Service     : Virus Outbreak Prevention
Status      : Disable
-- Server List (Mon Apr 19 10:41:32 20xx) --
IP           Weight  RTT    Flags  TZ    Packets  Curr Lost  Total Lost
64.26.151.37    10     45          -5    262432    0         846
64.26.151.35    10     46          -5   329072    0        6806
66.117.56.37    10     75          -5    71638    0         275
65.210.95.240   20     71          -8   36875    0          92
209.222.147.36  20    103        DI    -8   34784    0        1070
208.91.112.194  20    107        D    -8   35170    0       1533
96.45.33.65     60    144          0   33728    0         120
80.85.69.41     71    226          1   33797    0         192
62.209.40.74    150    97          9   33754    0         145
121.111.236.179 45     44        F    -5   26410   26226    26227
```

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

- A. FortiGate used 209.222.147.36 as the initial server to validate its contract.
- B. Servers with the D flag are considered to be down.
- C. FortiGate will probe 121.111.236.179 every fifteen minutes for a response.
- D. Servers with a negative TZ value are experiencing a service outage.

Correct Answer: AC

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=10 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. port2

D. port1

Correct Answer: A

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