NSE7_EFW-6.2^{Q&As}

Fortinet NSE 7 - Enterprise Firewall 6.2

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QUESTION 1

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

QUESTION 2

Examine the output from the `diagnose vpn tunnel list\\' command shown in the exhibit; then answer the question below.

```
#diagnose vpn tunnel list
name-Dial Up_0 ver=1 serial=5 10.200.1.1:4500->10.200.3.2: 64916 lgwy=static
nun=intf mode=dial_inst.bound if=2
parent=DialUp index=0
proxyid_um=1 child_num=0 refcnt=8 ilast=4 olast=4
stat: rxp=104 txp=8 rxb=27392 txb=480
dpd: mode=active on=1 idle=5000ms retry=3 count=0 segno=70
natt: mode=silent draft=32 interval= 10 remote_port=64916
proxyid= DialUp proto=0 sa=1 ref=2 serial=1 add-route
    src: 0:0.0.0.0.-255.255.255.255:0
    dst: 0:10.0.10.10.-10.0.10.10:0
    SA: ref=3 options= 00000086 type=00 soft=0 mtu=1422 expire =42521
replaywin=2048 seqno=9
    life: type=01 bytes=0/0 timeout= 43185/43200
    dec: spi=cb3a632a esp=aes key=16  7365e17a8fd555ec38bffa47d650c1a2
         ah=sha1 key=20  946bfb9d23b8b53770dcf48ac2af82b8ccc6aa85
    enc: spi=da6d28ac esp=aes  key=16  3dcf44ac7c816782ea3d0c9a977ef543
         ah=sha1 key=20   7cfde587592fc4635ab8db8ddf0d851d868b243f
dec:pkts/bytes=104/19926, enc:pkts/bytes=8/1024
```

Which command can be used to sniffer the ESP traffic for the VPN DialUP_0?

A. diagnose sniffer packet any `port 500\\'

B. diagnose sniffer packet any `esp\\'

C. diagnose sniffer packet any `host 10.0.10.10\\'

D. diagnose sniffer packet any `port 4500\\'

Correct Answer: D

NAT-T is enabled. natt: mode=silent

Protocol ESP is used. ESP is encapsulated in UDP port 4500 when NAT-T is enabled.

QUESTION 3

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

```
# diagnose debug rating
Locale      : English
License     : Contract
Expiration  : Thu Sep 28 17:00:00 20XX
-=- Server List (Thu 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
66.210.95.240     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 Weight value?

A. Its initial value is calculated based on the round trip delay (RTT).

B. Its initial value is statically set to 10.

C. Its value is incremented with each packet lost.

D. It determines which FortiGuard server is used for license validation.

Correct Answer: C

QUESTION 4

Examine the output from the BGP real time debug shown in the exhibit, then the answer the question below: Which statements are true regarding the output in the exhibit? (Choose two.)

```
#   diagnose ip router bgp all enable
#   diagnose ip router bgp level info
#   diagnose debug enable
"BGP: 10.200.3.1-Outgoing [DECODE] KAlive: Received!"
"BGP: 10.200.3.1-Outgoing [FSM] State: OpenConfirm Event: 26"
"BGP: 10.200.3.1-Outgoing [DECODE] Msg-Hdr: type 2, length 56"
"BGP: 10.200.3.1-Outgoing [DECODE] Update: Starting UPDATE decoding... Byt
(37), msg_size (37)"
"BGP: 10.200.3.1-Outgoing [DECODE] Update: NLRI Len(13)"
"BGP: 10.200.3.1-Outgoing [FSM] State: Established Event: 27"
"BGP: 10.200.3.1-Outgoing [RIB] Update: Received Prefix 0.0.0.0/0"
"BGP: 10.200.3.1-Outgoing [RIB] Update: Received Prefix 10.200.4.0/24"
"BGP: 10.200.3.1-Outgoing [RIB] Update: Received Prefix 10.200.3.0/24"
"BGP: 10.200.3.1-Outgoing [RIB] Update: Received Prefix 10.0.2.0/24"
"BGP: 10.200.3.1-Outgoing [FSM] State: Established Event: 34"
"BGP: 10.200.3.1-Outgoing [ENCODE] Msg-Hdr: Type 2"
"BGP: 10.200.3.1-Outgoing [ENCODE] Attr IP-Unicast: Tot-attr-len 20"
"BGP: 10.200.3.1-Outgoing [ENCODE] Update: Msg #5 Size 55"
"BGP: 10.200.3.1-Outgoing [FSM] State: Established Event: 34"
```

A. BGP peers have successfully interchanged Open and Keepalive messages.

B. Local BGP peer received a prefix for a default route.

C. The state of the remote BGP peer is OpenConfirm.

D. The state of the remote BGP peer will go to Connect after it confirms the received prefixes.

Correct Answer: AB

QUESTION 5

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

```
# diagnose debug rating
Locale        : english
License       : Contract
Expiration    : Thu Sep 28 17:00:00 20xx
-=- Server List (Thu 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 will probe 121.111.236.179 every fifteen minutes for a response.

B. Servers with the D flag are considered to be down.

C. Servers with a negative TZ value are experiencing a service outage.

D. FortiGate used 209.222.147.3 as the initial server to validate its contract.

Correct Answer: AD

A ?because flag is Failed so fortigate will check if server is available every 15 min D-state is I , contact to validate contract info

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