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**Exam** : **NSE7\_EFW**

**Title** : **NSE7 Enterprise Firewall -  
FortiOS 5.4**

**Vendor** : **Fortinet**

**Version** : **DEMO**

**NO.1** 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 was detected as an anomaly by an IPS sensor.
- B. Those whose traffic matches a DoS policy.
- C. Those whose traffic exceeded a threshold of a matching DoS policy.
- D. Those whose traffic matches an IPS sensor.

**Answer:** B

**NO.2** Examine the following routing table and BGP configuration; then answer the question below.

```
#get router info routing-table all
*0.0.0.0/0 [10/0] via 10.200.1.254, port1
C10.200.1.0/24 is directly connected, port1
S192.168.0.0/16 [10/0] via 10.200.1.254, port1
# show router bgp
config router bgp
set as 65500
set router-id 10.200.1.1
set network-import-check enable
set ebgp-multipath disable
config neighbor
edit "10.200.3.1"
set remote-as 65501
next
end
config network
edit1
```

The BGP connection is up, but the local peer is NOT advertising the prefix 192.168.1.0/24. Which configuration change will make the local peer advertise this prefix?

- A. Enable the setting ebgp-multipath.
- B. Enable the redistribution of static routers into BGP.

- C. Disable the setting network-import-check.
- D. Enable the redistribution of connected routers into BGP.

**Answer:** C

**NO.3** Which configuration can be used to reduce the number of BGP sessions in an IBGP network?

- A. Neighbor range
- B. Next-hop-self
- C. Neighbor group
- D. Route reflector

**Answer:** D

**NO.4** View the exhibit, which contains a session entry, and then answer the question below.

```
session info: proto=1 proto_state=00 duration=1 expire=59 timeout=0 flags=00000000
sockflag=00000000 sockport=0 av_idx=0 use=3
origin-shaper=
reply-shaper=
per_ip_shaper=
ha_id=0 policy_dir=0 tunnel=/ vlan_cos=0/255
state=log may_dirty none
statistic(bytes/packets/allow_err): org=168/2/1 reply=168/2/1 tuples=2
tx speed(Bps/kbps): 97/0 rx speed(Bps/kbps): 97/0
origin->sink: org pre->post, reply pre->post dev=9->3/3->9 gwy=10.200.1.254/10.1.0.1
hook=post dir=org act=snat 10.1.10.10:40602->10.200.5.1:8 (10.200.1.254/10.1.0.1
hook=pre dir=reply act=dnat 10.200.5.1:60430->10.200.1.1:0 (10.1.10.10:40602)
misc=0 policy_id=1 auth_info=0 chk_client_info=0 vd=0
serial=0002a5c9 tos=ff/ff app_list=0 app=0 url_cat=0
dd_type=0 dd_mode=0
```

Which statement is correct regarding this session?

- A. It is an ICMP session from 10.1.10.10 to 10.200.1.1.
- B. It is an ICMP session from 10.1.10.10 to 10.200.5.1.
- C. It is a TCP session in CLOSE\_WAIT state from 10.1.10.10 to 10.200.1.1.
- D. It is a TCP session in ESTABLISHED state from 10.1.10.10 to 10.200.5.1.

**Answer:** A

**NO.5** An administrator wants to capture ESP traffic between two FortiGates using the built-in sniffer. If the administrator knows that there is no NAT device located between both FortiGates, what command should the administrator execute?

- A. diagnose sniffer packet any 'udp port 4500'
- B. diagnose sniffer packet any 'esp'
- C. diagnose sniffer packet any 'udp port 500 or udp port 4500'
- D. diagnose sniffer packet any 'udp port 500'

**Answer:** B

**NO.6** 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 local FortiGate has been elected as the OSPF backup designated router.
- B. There are at least 5 OSPF routers connected to the port4 network.
- C. Two OSPF routers are down in the port4 network.
- D. The port4 interface is connected to the OSPF backbone area.

**Answer:** C,D

**NO.7** Examine the following partial outputs from two routing debug commands; then answer the question below:

```
#get router info routing-table database
S    0.0.0.0/. [20/0] via 10.200.2.254, port2, [10/0]
S    *> 0.0.0.0/0 [10/0] via 10.200.1.254, port1
# get router info routing-table all
S*   0.0.0.0/0 [10/0] via 10.200.1.254, port1
```

Why the default route using port2 is not displayed in the output of the second command?

- A. It has a higher distance than the default route using port1.
- B. It has a lower priority than the default route using port1.
- C. It is disabled in the FortiGate configuration.
- D. It has a higher priority than the default route using port1.

**Answer:** B

**NO.8** Which of the following statements are true about FortiManager when it is deployed as a local FDS? (Choose two.)

- A. Supports rating requests from both managed and unmanaged devices.
- B. Caches available firmware updates for unmanaged devices.
- C. Provides VM license validation services.
- D. Can be configured as an update server, or a rating server, but not both.

**Answer:** B,C

