

NSE7_EFW-6.2^{Q&As}

Fortinet NSE 7 - Enterprise Firewall 6.2

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QUESTION 1

View the exhibit, which contains the output of diagnose sys session list, and then answer the question below.

```
# diagnose sys session list
session info: proto=6 proto_state=01 duration=73 expire=3597 timeout=3600
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=/
state=may_dirty synced none app_ntf
statistic (bytes/packets/allow_err): org=822/11/1 reply=9037/15/1 tuples=2
origin->sink: org pre->post, reply pre->post dev=4->2/2->4 gwy=10.200.1.254/10.0.1.10
hook=post dir=org act=snst 10.0.1.10:65464->54.192.15.182:80 (10.200.1.1:65464
hook-pre dir=reply act=dnat 54.192.15.182:80->10.200.1.1:65464 (10.0.1.10:65464)
pos/ (before, after) 0/(0/0), 0/(0,0)
misc=0 policy_id=1 auth_info=0 chk_client_info=0 vd=0
serial=00000098 tos=ff/ff ips_view=0 app_list=0 app=0
dd_type=0 dd_mode=0
```

If the HA ID for the primary unit is zero (0), which statement is correct regarding the output?

- A. This session is for HA heartbeat traffic.
- B. This session is synced with the slave unit.
- C. The inspection of this session has been offloaded to the slave unit.
- D. This session cannot be synced with the slave unit.

Correct Answer: B

QUESTION 2

Examine the following traffic log; then answer the question below. date=20xx-02-01 time=19:52:01

```
devname=master device_id="xxxxxxx" log_id=0100020007 type=event subtype=system pri critical vd=root
service=kemel status=failure msg="NAT port is exhausted."
```

What does the log mean?

- A. There is not enough available memory in the system to create a new entry in the NAT port table.
- B. The limit for the maximum number of simultaneous sessions sharing the same NAT port has been reached.
- C. FortiGate does not have any available NAT port for a new connection.

D. The limit for the maximum number of entries in the NAT port table has been reached.

Correct Answer: B

QUESTION 3

View the IPS exit log, and then answer the question below.

```
# diagnose test application ipsmonitor 3
```

```
ipsengine exit log"
```

```
pid = 93 (cfg), duration = 5605322 (s) at Wed Apr 19 09:57:26 2017 code = 11, reason: manual
```

What is the status of IPS on this FortiGate?

- A. IPS engine memory consumption has exceeded the model-specific predefined value.
- B. IPS daemon experienced a crash.
- C. There are communication problems between the IPS engine and the management database.
- D. All IPS-related features have been disabled in FortiGate's configuration.

Correct Answer: D

The command `diagnose test application ipsmonitor` includes many options that are useful for troubleshooting purposes.

Option 3 displays the log entries generated every time an IPS engine process stopped. There are various reasons why these logs are generated:

Manual: Because of the configuration, IPS no longer needs to run (that is, all IPS-related features have been disabled)

QUESTION 4

Which configuration can be used to reduce the number of BGP sessions in an IBGP network?

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

Correct Answer: B

Route reflectors help to reduce the number of IBGP sessions inside an AS. A route reflector forwards the routes learned from one peer to the other peers. If you configure route reflectors, you don't need to create a full mesh IBGP network. All clients in a cluster only talk to route reflector to get sync routing updates. Route reflectors pass the routing updates to other route reflectors and border routers within the AS.

QUESTION 5

View the exhibit, which contains the output of a debug command, and 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 of the following statements about the exhibit are true? (Choose two.)

- A. In the network on port4, two OSPF routers are down.
- B. Port4 is connected to the OSPF backbone area.
- C. The local FortiGate's OSPF router ID is 0.0.0.4
- D. The local FortiGate has been elected as the OSPF backup designated router.

Correct Answer: BC

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