

NSE7_EFW-6.2^{Q&As}

Fortinet NSE 7 - Enterprise Firewall 6.2

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QUESTION 1

Examine the output of the 'diagnose debug rating' command shown in the exhibit; then answer the question below.

```
# diagnose debug rating
Locale      : english
License     : Contract
Expiration  : Wed Mar 27 17:00:00 20xx
-- Server List (Mon Apr 16 15:32:55 20xx) --
IP          Weight  RTT   Flags  TZ    Packets  Curr Lost  Total Lost
69.195.205.101  10    45    -5     -5    262432  0          846
69.195.205.102  10    46    -5     -5    329072  0          6806
209.222.147.43  10    75    -5     -5    71638   0          275
96.45.33.65    20    71    -8     -8    36875   0          92
208.91.112.196  20    103   DI     -8    34784   0          1070
208.91.112.198  20    107   D      -8    35170   0          1533
80.85.69.41    60    144   0      0     33728   0          120
62.209.40.73   71    226   1      1     33797   0          192
121.111.236.180 150   197   9      9     33754   0          145
69.195.205.103  45    44    F      -5    26410   26226     26227
```

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

- A. There are three FortiGuard servers that are not responding to the queries sent by the FortiGate.
- B. The TZ value represents the delta between each FortiGuard server's time zone and the FortiGate's time zone.
- C. FortiGate will send the FortiGuard queries to the server with highest weight.
- D. A server's round trip delay (RTT) is not used to calculate its weight.

Correct Answer: BC

QUESTION 2

```
NGFW-1 # get system ha status
HA Health Status: OK
Model: FortiGate-VM64
Mode: HA A-P
Group: 2
Debug: 0
Cluster Uptime: 0 days 4:23:19
Cluster state change time: 2019-01-25 10:19:46
Master selected using:
  <2019/01/25 10:19:46> FGVM010000077649 is selected as the master because it has the largest value
of override priority.
  <2019/01/25 10:19:40> FGVM010000077649 is selected as the master because it's the only member in
the cluster.
ses_pickup: disable
override: enable
Configuration Status:
  FGVM010000077649 (updated 1 seconds ago): in-sync
  FGVM010000077650 (updated 0 seconds ago): out-of-sync
System Usage stats:
  FGVM010000077649 (updated 1 seconds ago):
    sessions=27, average-cpu-user/nice/system/idle=1%/0%/0%/99%, memory=56%
  FGVM010000077650 (updated 0 seconds ago):
    sessions=2, average-cpu-user/nice/system/idle=1%/0%/0%/99%, memory=57%
HBDEV stats:
  FGVM010000077649 (updated 1 seconds ago):
    port7: physical/10000full, up, rx-bytes/packets/dropped/errors=63817615/202024/0/0, tx=
71110281/121109/0/0
  FGVM010000077650 (updated 0 seconds ago):
    port7: physical/10000full, up, rx-bytes/packets/dropped/errors=79469596/122024/0/0, tx=
30877890/107878/0/0
Master: NGFW-1, FGVM010000077649, cluster index = 1
Slave : NGFW-2, FGVM010000077650, cluster index = 0
number of vcluster: 1
vcluster 1: work 169.254.0.2
Master: FGVM010000077649, operating cluster index = 0
Slave : FGVM010000077650, operating cluster index = 1
```

Refer to the exhibit, which contains the output of get system ha status. Which two statements about the output are true? (Choose two.)

- A. The slave configuration is synchronized with the master.
- B. port7 is used as the HA heartbeat on all devices in the cluster.
- C. Master is selected based on the priority configured under config system ha.
- D. The HA management IP is 169.254.0.2.

Correct Answer: BC

QUESTION 3

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 4

A FortiGate has two default routes: All Internet traffic is currently using port1. The exhibit shows partial information for one sample session of Internet traffic from an internal user:

```
config router static
  edit 1
    set gateway 10.200.1.254
    set priority 5
    set device "port1"
  next
  edit2
    set gateway 10.200.2.254
    set priority 10
    set device "port2"
  next
end

# diagnose sys session list
Session info: proto=6 proto_state=01 duration =17 expire=7 timeout=3600
flags= 00000000 sockflag=00000000 sockport=0 av idx=0 use=3
ha_id=0 policy_dir=0 tunnel=/
state=may_dirty none app_ntf
statistic (bytes/packets/allow_err): org=575/7/1 reply=23367/19/1 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=snat 10.0.1.10:64907-
>54.239.158.170:80(10.200.1.1:64907)
hook=pre dir=reply act=dnat 54.239.158.170:80-
>10.200.1.1:64907(10.0.1.10:64907)
pos/(before, after) 0/(0,0), 0/(0,0)
misc=0 policy_id=1 auth_info=0 chk_client_info=0 vd=0
serial=00000294 tos=ff/ff ips_view=0 app_list=0 app=0
dd_type=0 dd_mode=0
```

What would happen with the traffic matching the above session if the priority on the first default route (IDd1) were changed from 5 to 20?

- A. Session would remain in the session table and its traffic would keep using port1 as the outgoing interface.
- B. Session would remain in the session table and its traffic would start using port2 as the outgoing interface.
- C. Session would be deleted, so the client would need to start a new session.
- D. Session would remain in the session table and its traffic would be shared between port1 and port2.

Correct Answer: A

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

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