

NSE7_EFW-6.0^{Q&As}

Fortinet NSE 7 - Enterprise Firewall 6.0

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QUESTION 1

An administrator has configured two FortiGate devices for an HA cluster. While testing the HA failover, the administrator noticed that some of the switches in the network continue to send traffic to the former primary unit. The administrator decides to enable the setting link-failed-signal to fix the problem. Which one of the following statements about this command is true?

- A. Forces the former primary device to shut down all its non-heartbeat interfaces for one second while the failover occurs.
- B. Sends an ARP packet to all connected devices, indicating that the HA virtual MAC address is reachable through a new master after a failover.
- C. Disables all the non-heartbeat interfaces in all the HA members for two seconds after a failover.
- D. Sends a link failed signal to all connected devices.

Correct Answer: A

QUESTION 2

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

```
# diagnose webfilter fortiguard statistics list
Rating Statistics:
=====
DNS failures           :      273
DNS lookups           :      280
Data send failures    :          0
Data read failures    :          0
Wrong package type    :          0
Hash table miss       :          0
Unknown server        :          0
Incorrect CRC         :          0
Proxy request failures :          0
Request timeout       :          1
Total requests        :     2409
Requests to FortiGuard servers :    1182
Server errored responses :          0
Relayed rating        :          0
Invalid profile       :          0

Allowed               :     1021
Blocked               :     3909
Logged                :     3927
Blocked Errors        :          565
Allowed Errors        :          0
Monitors              :          0
Authenticates         :          0
Warnings:             :          18
Ovrd request timeout  :          0
Ovrd send failures    :          0
Ovrd read failures    :          0
Ovrd errored responses :          0
...

# diagnose webfilter fortiguard statistics list
...
Cache Statistics:
=====
Maximum memory       :          0
Memory usage         :          0

Nodes                :          0
Leaves               :          0
Prefix nodes         :          0
Exact nodes          :          0

Requests             :          0
Misses               :          0
Hits                 :          0
Prefix hits          :          0
Exact hits           :          0

No cache directives  :          0
Add after prefix     :          0
Invalid DB put       :          0
DB updates           :          0

Percent full         :          0%
Branches             :          0%
Leaves               :          0%
Prefix nodes         :          0%
Exact nodes          :          0%

Miss rate            :          0%
Hit rate             :          0%
Prefix hits          :          0%
Exact hits           :          0%
```

Which one of the following statements explains why the cache statistics are all zeros?

- A. There are no users making web requests.

- B. The administrator has reallocated the cache memory to a separate process.
- C. The FortiGuard web filter cache is disabled in the FortiGate's configuration.
- D. FortiGate is using flow-based inspection which doesn't use the cache.

Correct Answer: C

QUESTION 3

What does the dirty flag mean in a FortiGate session?

- A. The session must be removed from the former primary unit after an HA failover.
- B. Traffic has been identified as from an application that is not allowed.
- C. The next packet must be re-evaluated against the firewall policies.
- D. Traffic has been blocked by the antivirus inspection.

Correct Answer: C

QUESTION 4

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

```
NGFW-1 # diagnose sys session stat
misc info:      session_count=591 setup_rate=0 exp_count=0 clash=162
                memory_tension_drop=0 ephemeral=0/65536 removeable=0
delete=0, flush=0, dev_down=0/0
TCP sessions:
    166 in NONE state
     1 in ESTABLISHED state
     3 in SYN_SENT state
     2 in TIME_WAIT state
firewall error stat:
error1=00000000
error2=00000000
error3=00000000
error4=00000000
tt=00000000
cont=00000000
ids_recv=00000000
url_recv=00000000
av_recv=00000000
fqdn_count=00000006
global: ses_limit=0 ses6_limit=0 rt_limit=0 rt6_limit=0
```

Which of the following statements about the output shown are correct? (Choose two.)

- A. There are 166 TCP sessions waiting to complete the three-way handshake.
- B. All the sessions in the session table are TCP sessions.
- C. There are 0 ephemeral sessions.
- D. No sessions have been deleted because of memory pages exhaustion.

Correct Answer: CD

QUESTION 5

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     -5   262432   0          846
64.26.151.35  10    46    -5     -5   329072   0          6806
66.117.56.37  10    75    -5     -5   71638    0          275
65.210.95.240 20    71    -8     -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      0    33728    0          120
80.85.69.41   71    226   1      1    33797    0          192
62.209.40.74  150   97    9      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

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