



# NSE7<sup>Q&As</sup>

Fortinet Troubleshooting Professional

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### QUESTION 1

A FortiGate's port1 is connected to a private network. Its port2 is connected to the Internet. Explicit web proxy is enabled in port1 and only explicit web proxy users can access the Internet. Web cache is NOT enabled. An internal web proxy user is downloading a file from the Internet via HTTP. Which statements are true regarding the two entries in the FortiGate session table related with this traffic? (Choose two.)

- A. Both sessions have the local flag on.
- B. The destination IP addresses of both sessions are IP addresses assigned to FortiGate's interfaces.
- C. One session has the proxy flag on, the other one does not.
- D. One of the sessions has the IP address of port2 as the source IP address.

Correct Answer: AD

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### QUESTION 2

Examine the following partial outputs from two routing debug commands; then answer the question below.

```
# get router info kernel
```

```
tab=254 vf=0 scope=0type=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=0type=1 proto=11 prio=10 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=253type=1 proto=2 prio=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] dO.0.1.0/24 is directly connected, port3 dO.200.1.0/24 is directly connected, port1 dO.200.2.0/24 is
```

directly connected, port2 Which outbound interface or interfaces will be used by this FortiGate to route web traffic from internal users to the Internet?

- A. port1
- B. port2.
- C. Both port1 and port2.
- D. port3.

Correct Answer: B

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### QUESTION 3

Examine the following partial output from two system debug commands; then answer the question below.

```
# diagnose hardware sysinfo memory
MemTotal: 3092728 kB
MemFree: 1954204 kB
MemShared: 0 kB
Buffers: 284 kB
Cached: 143004 kB
SwapCached: 0 kB
Active: 34092 kB
Inactive: 109256 kB
HighTotal 1179648 kB
HighFree: 853516 kB
LowTotal: 1913080 kB
LowFree: 1100688 kB
SwapTotal: 0 kB
SwapFree: 0 kB
# diagnose hardware sysinfo shm
SHM counter: 285
SHM allocated: 6823936
SHM total: 623452160
concermode: 0
shm last entered: n/a
system last entered: n/a
SHM FS total: 639725568
SHM FS free: 632614912
```

SHM FS alloc: 7110656

Which of the following statements are true regarding the above outputs? (Choose two.)

- A. The unit is running a 32-bit FortiOS
- B. The unit is in kernel conserve mode
- C. The Cached value is always the Active value plus the Inactive value
- D. Kernel indirectly accesses the low memory (LowTotal) through memory paging

Correct Answer: AC

### QUESTION 4

The CLI command set intelligent-mode controls the IPS engine's adaptive scanning behavior. Which of the following statements describes IPS adaptive scanning?



- A. Determines the optimal number of IPS engines required based on system load.
- B. Downloads signatures on demand from FDS based on scanning requirements.
- C. Determines when it is secure enough to stop scanning session traffic.
- D. Choose a matching algorithm based on available memory and the type of inspection being performed.

Correct Answer: D

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#### QUESTION 5

An administrator has configured a dial-up IPsec VPN with one phase 2, extended authentication (XAuth) and IKE mode configuration. The administrator has also enabled the IKE real time debug:

```
diagnose debug application ike-1
```

```
diagnose debug enable
```

In which order is each step and phase displayed in the debug output each time a new dial- up user is connecting to the VPN?

- A. Phase1; IKE mode configuration; XAuth; phase 2.
- B. Phase1; XAuth; IKE mode configuration; phase2.
- C. Phase1; XAuth; phase 2; IKE mode configuration.
- D. Phase1; IKE mode configuration; phase 2; XAuth.

Correct Answer: D

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