Exam Questions NSE4_FGT-7.2

Fortinet NSE 4 - FortiOS 7.2

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NEW QUESTION 1
An administrator needs to increase network bandwidth and provide redundancy.
What interface type must the administrator select to bind multiple FortiGate interfaces?

A. VLAN interface
B. Software Switch interface
C. Aggregate interface
D. Redundant interface

Answer: C

NEW QUESTION 2
Refer to the exhibit.

```
# diagnose test application ipsmonitor
1: Display IPS engine information
2: Toggle IPS engine enable/disable status
3: Display restart log
4: Clear restart log
5: Toggle bypass status
98: Stop all IPS engines
99: Restart all IPS engines and monitor
```

Examine the intrusion prevention system (IPS) diagnostic command.
Which statement is correct If option 5 was used with the IPS diagnostic command and the outcome was a decrease in the CPU usage?

A. The IPS engine was inspecting high volume of traffic.
B. The IPS engine was unable to prevent an intrusion attack .
C. The IPS engine was blocking all traffic.
D. The IPS engine will continue to run in a normal state.

Answer: A

NEW QUESTION 3
Refer to the exhibits.
Exhibit A shows a topology for a FortiGate HA cluster that performs proxy-based inspection on traffic. Exhibit B shows the HA configuration and the partial output of the get system ha status command.

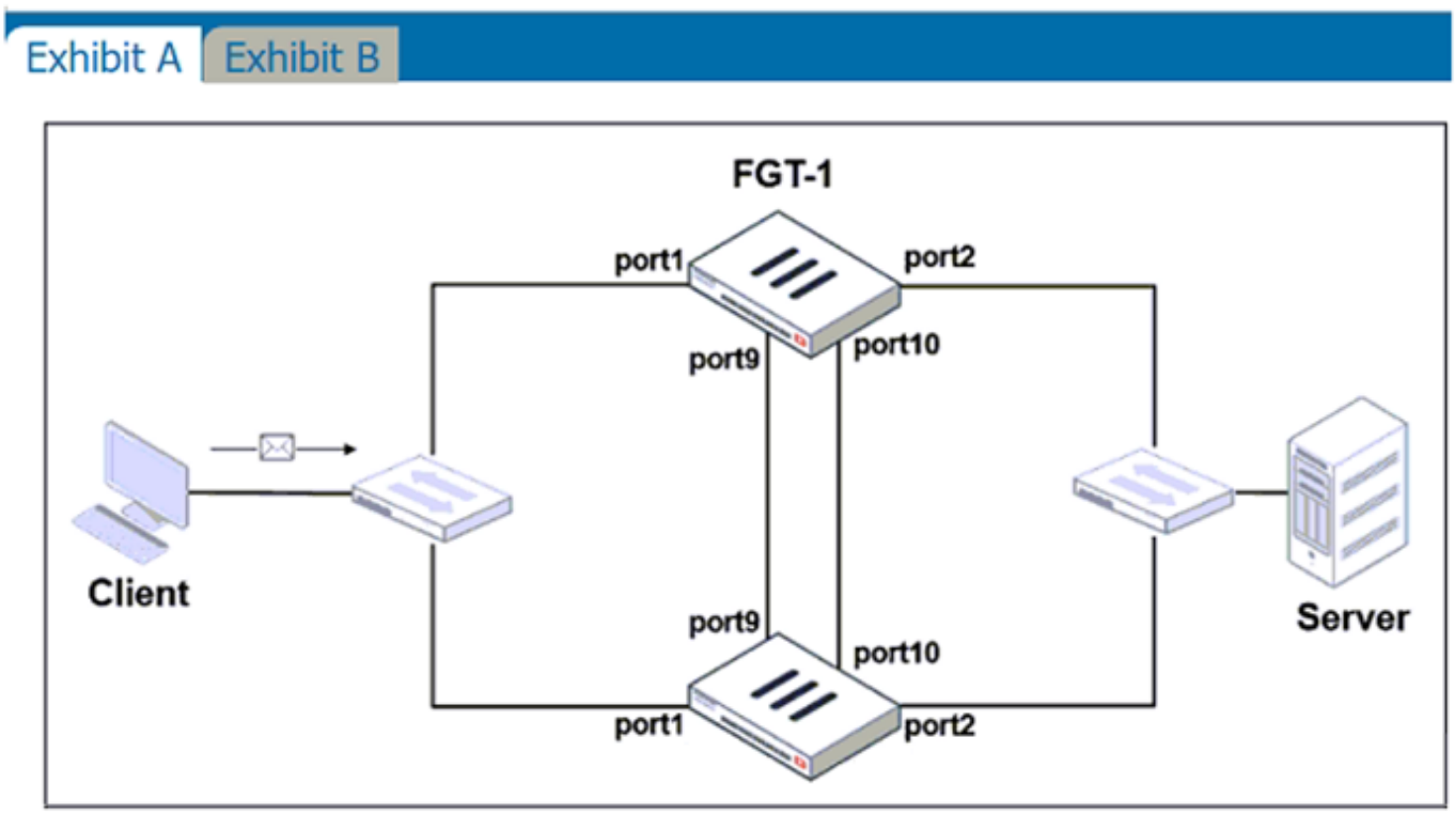


Exhibit A | Exhibit B

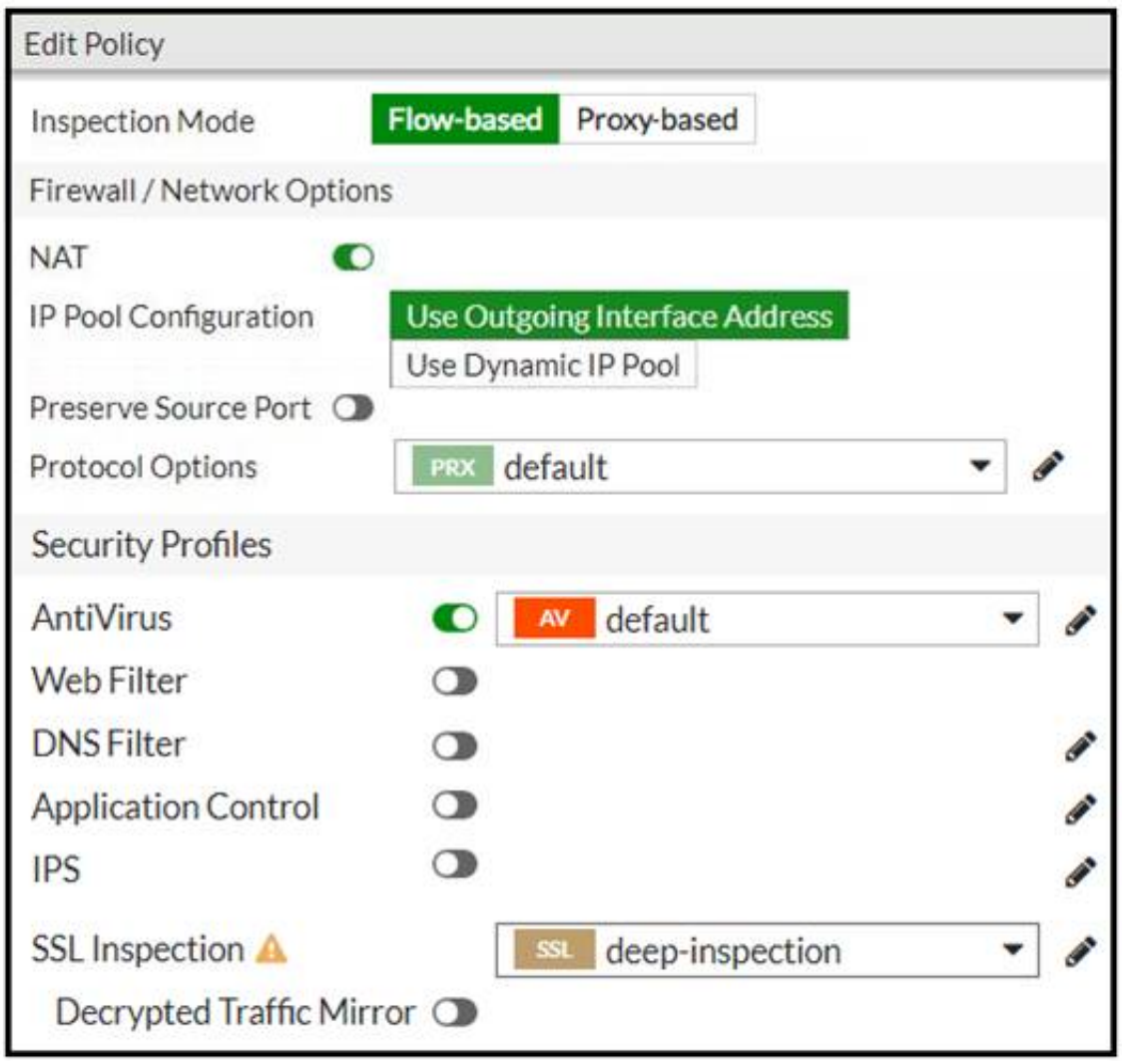
```
        set group-id 3
        set group-name "NSE"
        set mode a-a
        set password *
        set hbdev "port9" 50 "port10" 50
        set session-pickup enable
        set override disable
        set monitor port3
    end

    # get system ha status
    ...
    Primary     : FGT-2, FGVM010000065036, HA cluster index = 1
    Secondary   : FGT-1, FGVM010000064692, HA cluster index = 0
    number of vcluster: 1
    vcluster 1: work 169.254.0.2
    Primary: FGVM010000065036, HA operating index = 1
    Secondary: FGVM010000064692, HA operating index = 0
```

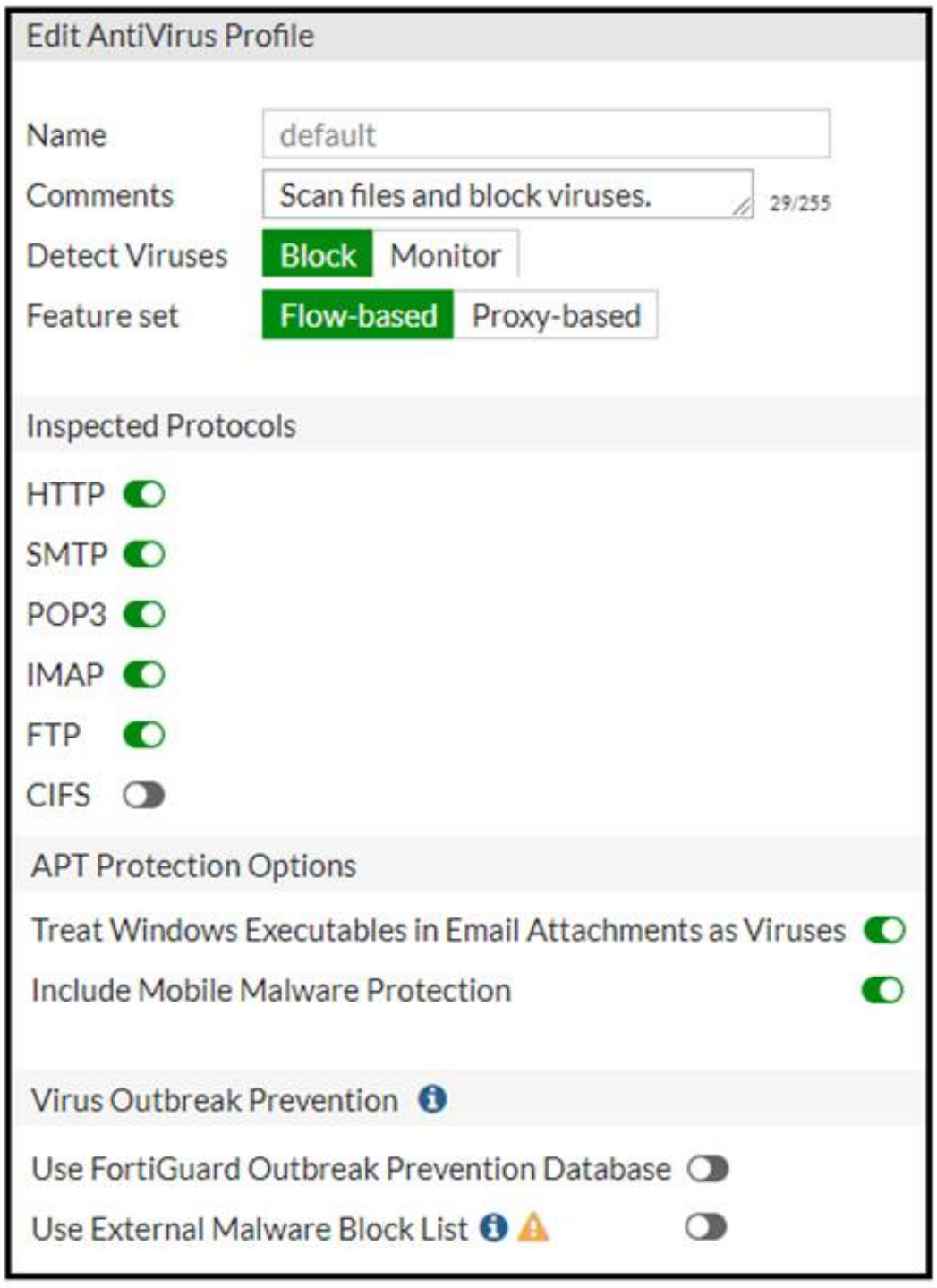
Based on the exhibits, which two statements about the traffic passing through the cluster are true? (Choose two.)

A. For non-load balanced connections, packets forwarded by the cluster to the server contain the virtual MAC address of port2 as source.
B. The traffic sourced from the client and destined to the server is sent to FGT-1.
C. The cluster can load balance ICMP connections to the secondary.
D. For load balanced connections, the primary encapsulates TCP SYN packets before forwarding them to the secondary.

Answer: AB

NEW QUESTION 4
Refer to the exhibits to view the firewall policy (Exhibit A) and the antivirus profile (Exhibit B).





Which statement is correct if a user is unable to receive a block replacement message when downloading an infected file for the first time?

A. The firewall policy performs the full content inspection on the file.
B. The flow-based inspection is used, which resets the last packet to the user.
C. The volume of traffic being inspected is too high for this model of FortiGate.
D. The intrusion prevention security profile needs to be enabled when using flow-based inspection mode.

Answer: B

Explanation:
· "ONLY" If the virus is detected at the "START" of the connection, the IPS engine sends the block replacement message immediately
· When a virus is detected on a TCP session (FIRST TIME), but where "SOME PACKETS" have been already forwarded to the receiver, FortiGate "resets the connection" and does not send the last piece of the file. Although the receiver got most of the file content, the file has been truncated and therefore, can't be opened. The IPS engine also caches the URL of the infected file, so that if a "SECOND ATTEMPT" to transmit the file is made, the IPS engine will then send a block replacement message to the client instead of scanning the file again.
In flow mode, the FortiGate drops the last packet killing the file. But because of that the block replacement message cannot be displayed. If the file is attempted to download again the block message will be shown.

NEW QUESTION 5
Which two statements are correct about a software switch on FortiGate? (Choose two.)

A. It can be configured only when FortiGate is operating in NAT mode
B. Can act as a Layer 2 switch as well as a Layer 3 router
C. All interfaces in the software switch share the same IP address
D. It can group only physical interfaces

Answer: AC

NEW QUESTION 6
Which two statements are correct regarding FortiGate HA cluster virtual IP addresses? (Choose two.)

A. Heartbeat interfaces have virtual IP addresses that are manually assigned.
B. A change in the virtual IP address happens when a FortiGate device joins or leaves the cluster.
C. Virtual IP addresses are used to distinguish between cluster members.
D. The primary device in the cluster is always assigned IP address 169.254.0.1.

Answer: BD

NEW QUESTION 7
Which three statements are true regarding session-based authentication? (Choose three.)

A. HTTP sessions are treated as a single user.
B. IP sessions from the same source IP address are treated as a single user.
C. It can differentiate among multiple clients behind the same source IP address.
D. It requires more resources.
E. It is not recommended if multiple users are behind the source NAT

Answer: ACD

NEW QUESTION 8
Which statement correctly describes NetAPI polling mode for the FSSO collector agent?

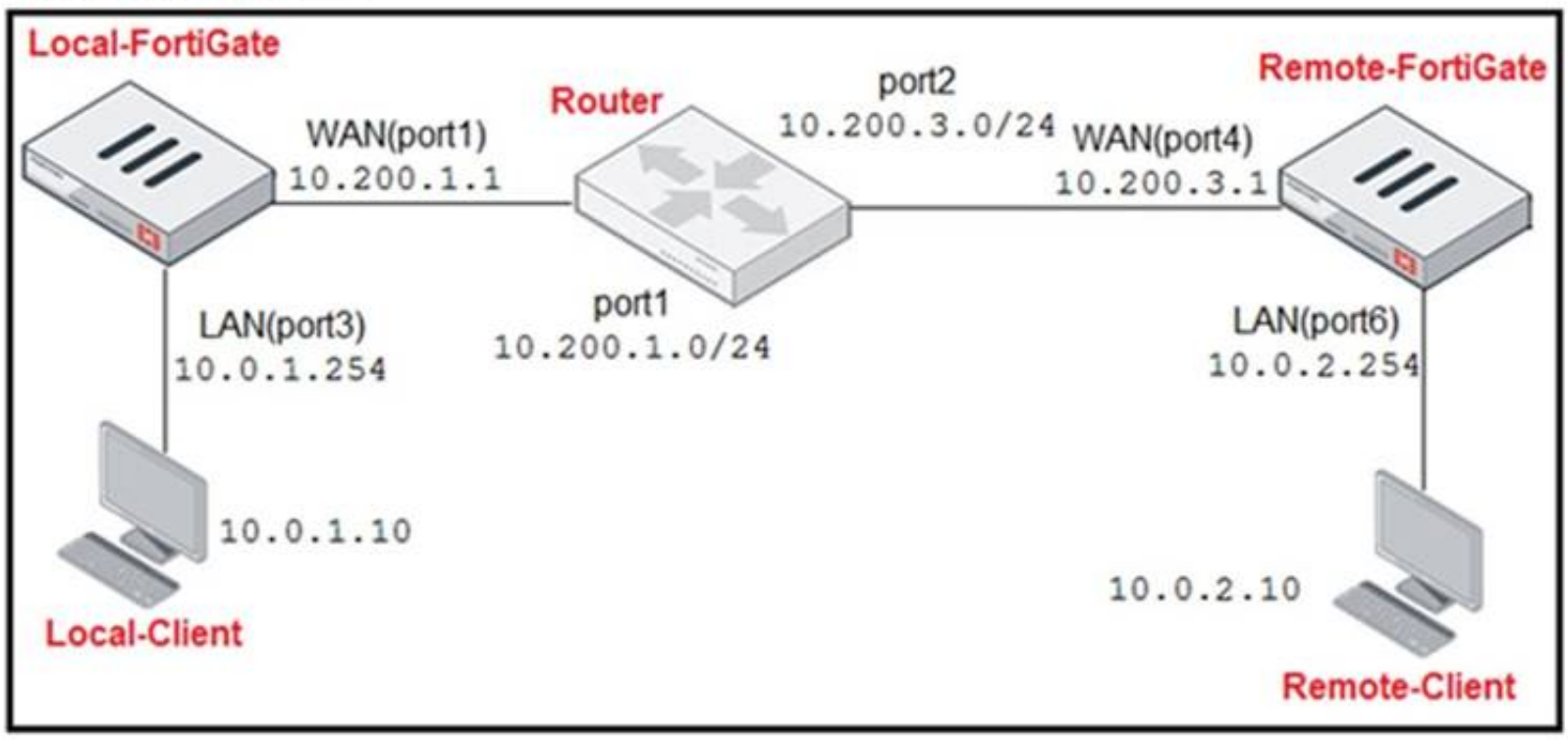
A. The collector agent uses a Windows API to query DCs for user logins.
B. NetAPI polling can increase bandwidth usage in large networks.
C. The collector agent must search security event logs.
D. The NetSession Enum function is used to track user logouts.

Answer: D

Explanation:
FortiGate_Infrastructure_7.0 page 270: "NetAPI: polls temporary sessions created on the DC when a user logs in or logs out and calls the NetSessionEnum function in Windows."

NEW QUESTION 9
Refer to the exhibit.

Network Diagram



Central SNAT Policies Local-FortiGate

ID	From	To	Source Address	Protocol Number	Destination Address	Translated Address
2	LAN(port3)	WAN(port1)	all	6	REMOTE_FORTIGATE	SNAT-Pool
1	LAN(port3)	WAN(port1)	all	1	all	SNAT-Remote1
3	LAN(port3)	WAN(port1)	all	2	all	SNAT-Remote

IP Pool Local-FortiGate

Name	External IP Range	Type	ARP Reply
SNAT-Pool	10.200.1.49-10.200.1.49	Overload	Enabled
SNAT-Remote	10.200.1.149-10.200.1.149	Overload	Enabled
SNAT-Remote1	10.200.1.99-10.200.1.99	Overload	Enabled

Protocol Number Table

Protocol Number Table	
Protocol	Protocol Number
TCP	6
ICMP	1
IGMP	2

The exhibit contains a network diagram, central SNAT policy, and IP pool configuration. The WAN (port1) interface has the IP address 10.200. 1. 1/24.
The LAN (port3) interface has the IP address 10.0. 1.254/24.
A firewall policy is configured to allow to destinations from LAN (port3) to WAN (port1). Central NAT is enabled, so NAT settings from matching Central SNAT policies will be applied.
Which IP address will be used to source NAT the traffic, if the user on Local-Client (10.0. 1. 10) pings the IP address of Remote-FortiGate (10.200.3. 1)?

A. 10.200. 1. 149
B. 10.200. 1. 1
C. 10.200. 1.49
D. 10.200. 1.99

Answer: D

NEW QUESTION 10
Refer to the exhibits.
Exhibit A shows system performance output. Exhibit B shows a FortiGate configured with the default configuration of high memory usage thresholds.

Exhibit A | Exhibit B

```
# get system performance status
CPU states: 0% user 0% system 0% nice 100% idle 0% iowait 0% irq 0% softirq
CPU0 states: 0% user 0% system 0% nice 100% idle 0% iowait 0% irq 0% softirq
Memory: 2061108k total, 1854997k used (90%), 106111k free (5.1%), 100000k freeable (4.8%)
Average network usage: 83 / 0 kbps in 1 minute, 81 / 0 kbps in 10 minutes, 81 / 0 kbps in 30
minutes
Average sessions: 5 sessions in 1 minute, 3 sessions in 10 minutes, 3 sessions in 30 minutes
Average session setup rate: 0 sessions per second in last 1 minute, 0 sessions per second in last
10 minutes, 0 sessions per second in last 30 minutes
Virus caught: 0 total in 1 minute
IPS attacks blocked: 0 total in 1 minute
Uptime: 10 days,  3 hours,  28 minutes
```

Exhibit A | Exhibit B

```
config system global
    set memory-use-threshold-red 88
    set memory-use-threshold-extreme 95
    set memory-use-threshold-green 82
end
```

Based on the system performance output, which two results are correct? (Choose two.)

A. FortiGate will start sending all files to FortiSandbox for inspection.
B. FortiGate has entered conserve mode.
C. Administrators cannot change the configuration.
D. Administrators can access FortiGate only through the console port.

Answer: BD

NEW QUESTION 10
Refer to the exhibit showing a debug flow output.

```
id=20085 trace_id=1 func=print_pkt_detail line=5594 msg="vd-root:0 received a packet(proto=1,
10.0.1.10:19938->10.0.1.250:2048) from port1. type=8, code=0, id=19938, seq=1."
id=20085 trace_id=1 func=init_ip_session_common line=5760 msg="allocate a new session-00003dd5"
id=20085 trace_id=1 func=vf_ip_route_input_common line=2598 msg="find a route: flag=84000000 gw-
10.0.1.250 via root"
id=20085 trace_id=2 func=print_pkt_detail line=5594 msg="vd-root:0 received a packet(proto=1,
10.0.1.250:19938->10.0.1.10:0) from local. type=0, code=0, id=19938, seq=1."
id=20085 trace_id=2 func=resolve_ip_tuple_fast line=5675 msg="Find an existing session, id-
00003dd5, reply direction"
```

What two conclusions can you make from the debug flow output? (Choose two.)

A. The debug flow is for ICMP traffic.
B. The default route is required to receive a reply.
C. Anew traffic session was created.
D. A firewall policy allowed the connection.

Answer: AC

NEW QUESTION 13
Which statement correctly describes the use of reliable logging on FortiGate?

A. Reliable logging is enabled by default in all configuration scenarios.
B. Reliable logging is required to encrypt the transmission of logs.
C. Reliable logging can be configured only using the CLI.
D. Reliable logging prevents the loss of logs when the local disk is full.

Answer: D

NEW QUESTION 18
Which two statements are true about the FGCP protocol? (Choose two.)

A. FGCP elects the primary FortiGate device.
B. FGCP is not used when FortiGate is in transparent mode.
C. FGCP runs only over the heartbeat links.
D. FGCP is used to discover FortiGate devices in different HA groups.

Answer: AD

NEW QUESTION 23
Which three statements explain a flow-based antivirus profile? (Choose three.)

A. Flow-based inspection uses a hybrid of the scanning modes available in proxy-based inspection.
B. If a virus is detected, the last packet is delivered to the client.
C. The IPS engine handles the process as a standalone.
D. FortiGate buffers the whole file but transmits to the client at the same time.
E. Flow-based inspection optimizes performance compared to proxy-based inspection.

Answer: ADE

NEW QUESTION 27
Which three methods are used by the collector agent for AD polling? (Choose three.)

A. FortiGate polling
B. NetAPI
C. Novell API
D. WMI
E. WinSecLog

Answer: BDE

NEW QUESTION 29
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