Exam Questions NSE4_FGT-7.2

Fortinet NSE 4 - FortiOS 7.2

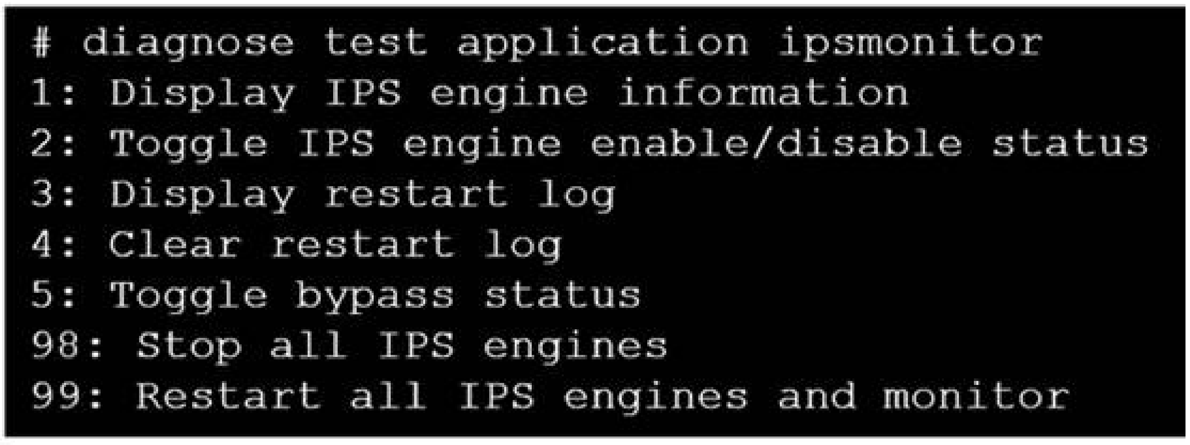
https://www.2passeasy.com/dumps/NSE4_FGT-7.2/

NEW QUESTION 1
An administrator is configuring an Ipsec between site A and siteB. The Remotes Gateway setting in both sites has been configured as Static IP Address. For site A, the local quick mode selector is 192.168. 1.0/24 and the remote quick mode selector is 192.168.2.0/24. Which subnet must the administrator configure for the local quick mode selector for site B?

A. 192.168.3.0/24
B. 192.168.2.0/24
C. 192.168. 1.0/24
D. 192.168.0.0/8

Answer: C

NEW QUESTION 2
Refer to the exhibit.



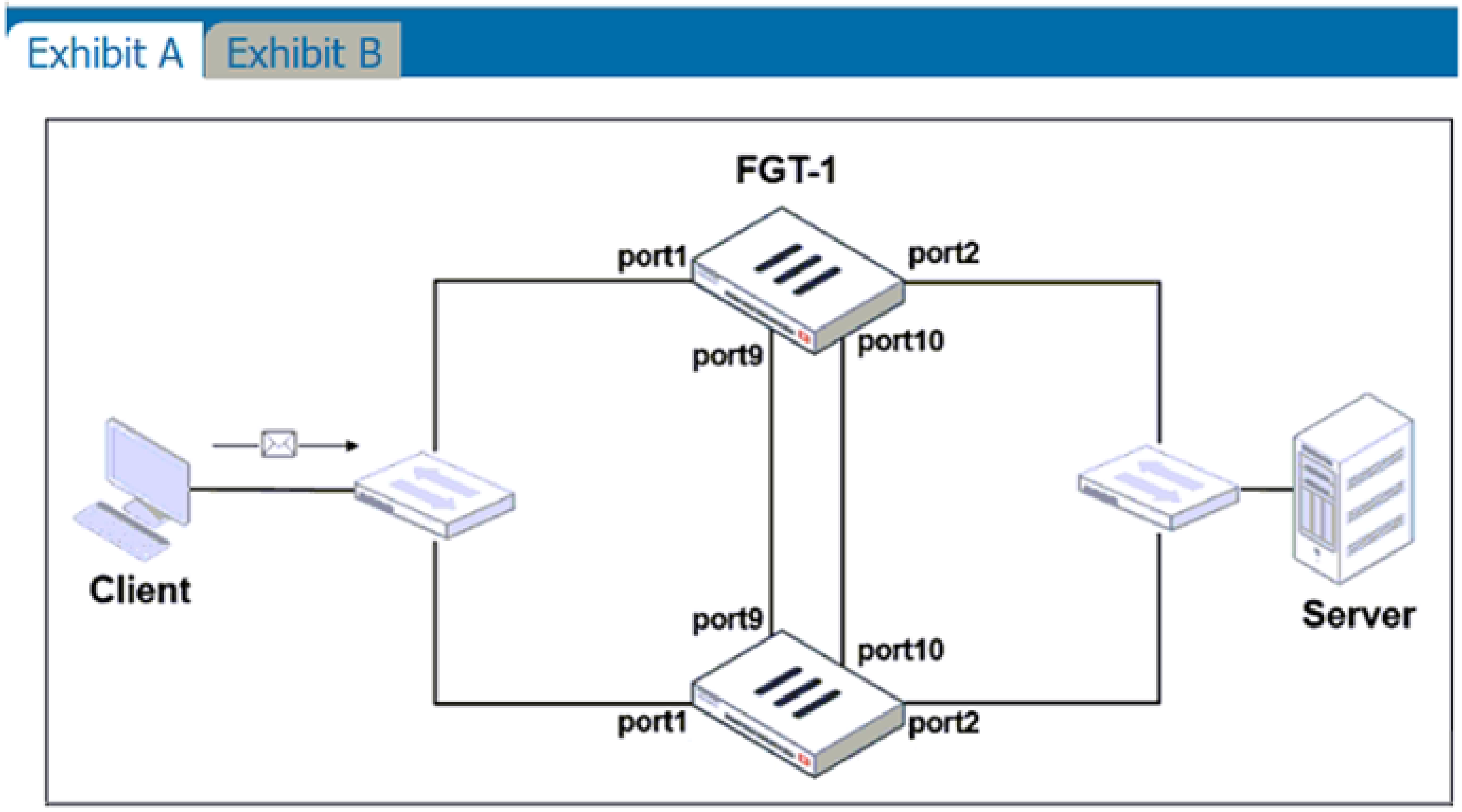
```
# diagnose test application ipsmonitor
1: Display IPS engine information
2: Toggle IPS engine enable/disable status
3: Display restart log
4: Clear restart log
5: Toggle bypass status
98: Stop all IPS engines
99: Restart all IPS engines and monitor
```

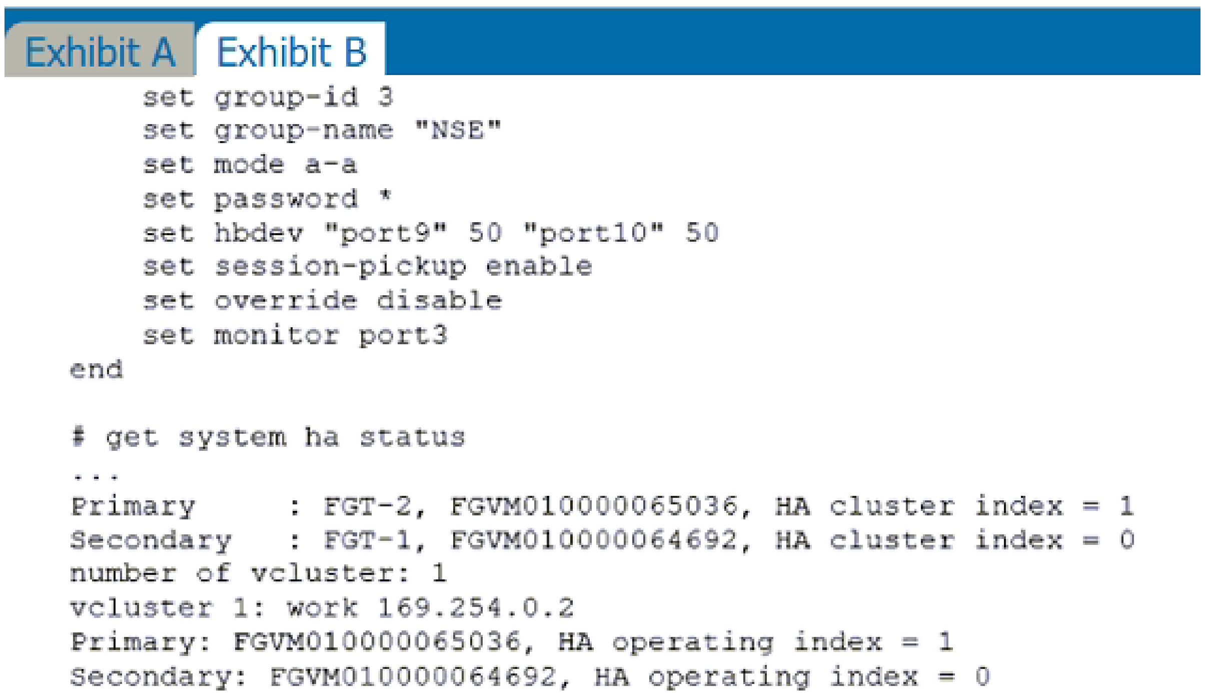
Examine the intrusion prevention system (IPS) diagnostic command.
Which statement is correct If option 5 was used with the IPS diagnostic command and the outcome was a decrease in the CPU usage?

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.





```
        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
```

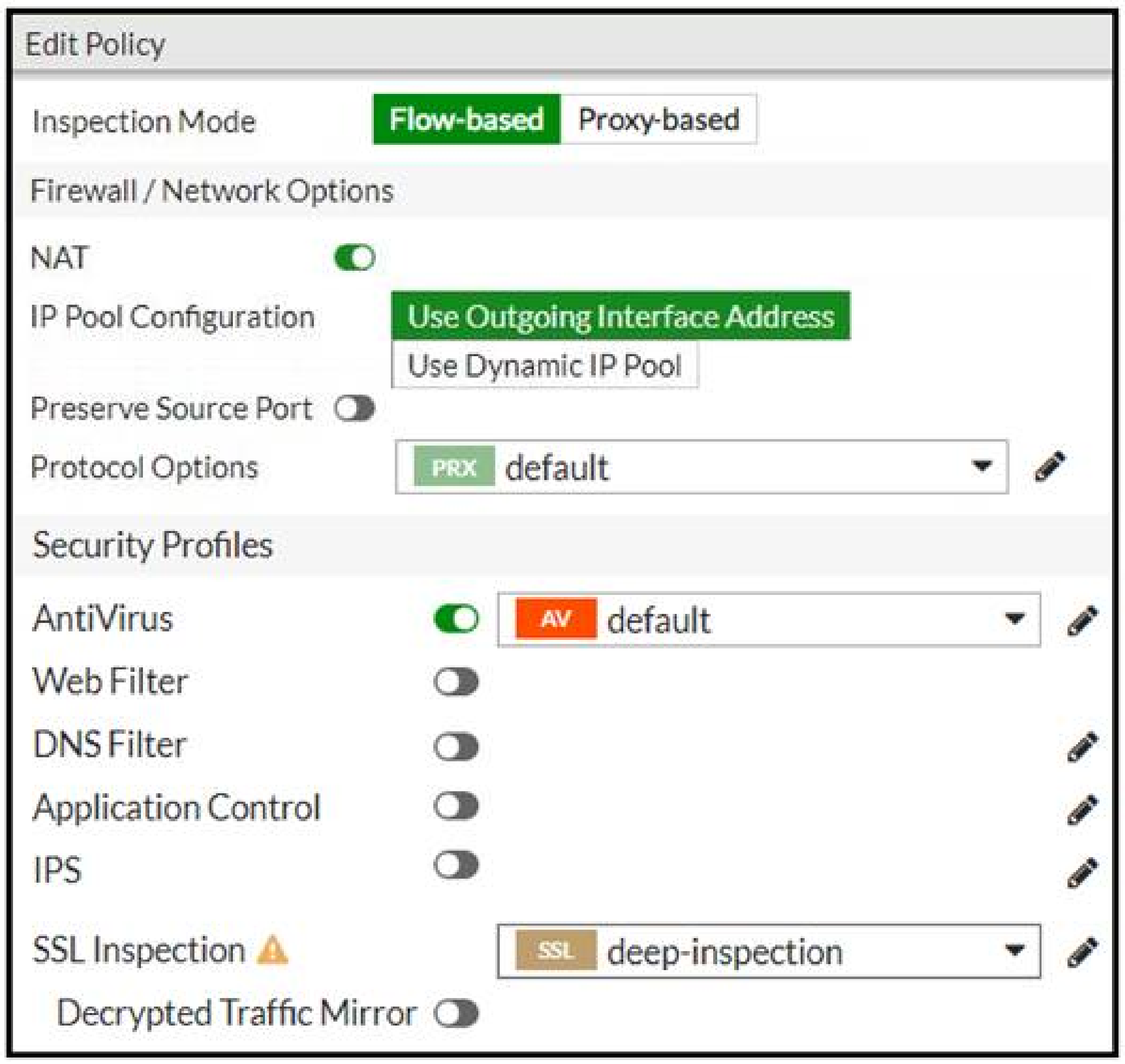
Based on the exhibits, which two statements about the traffic passing through the cluster are true? (Choose two.)

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).



Edit Policy

Inspection Mode: Flow-based (selected) | Proxy-based

Firewall / Network Options

NAT: ●

IP Pool Configuration: Use Outgoing Interface Address (selected) | Use Dynamic IP Pool

Preserve Source Port: ○

Protocol Options: PRX default

Security Profiles

AntiVirus: ● AV default

Web Filter: ○

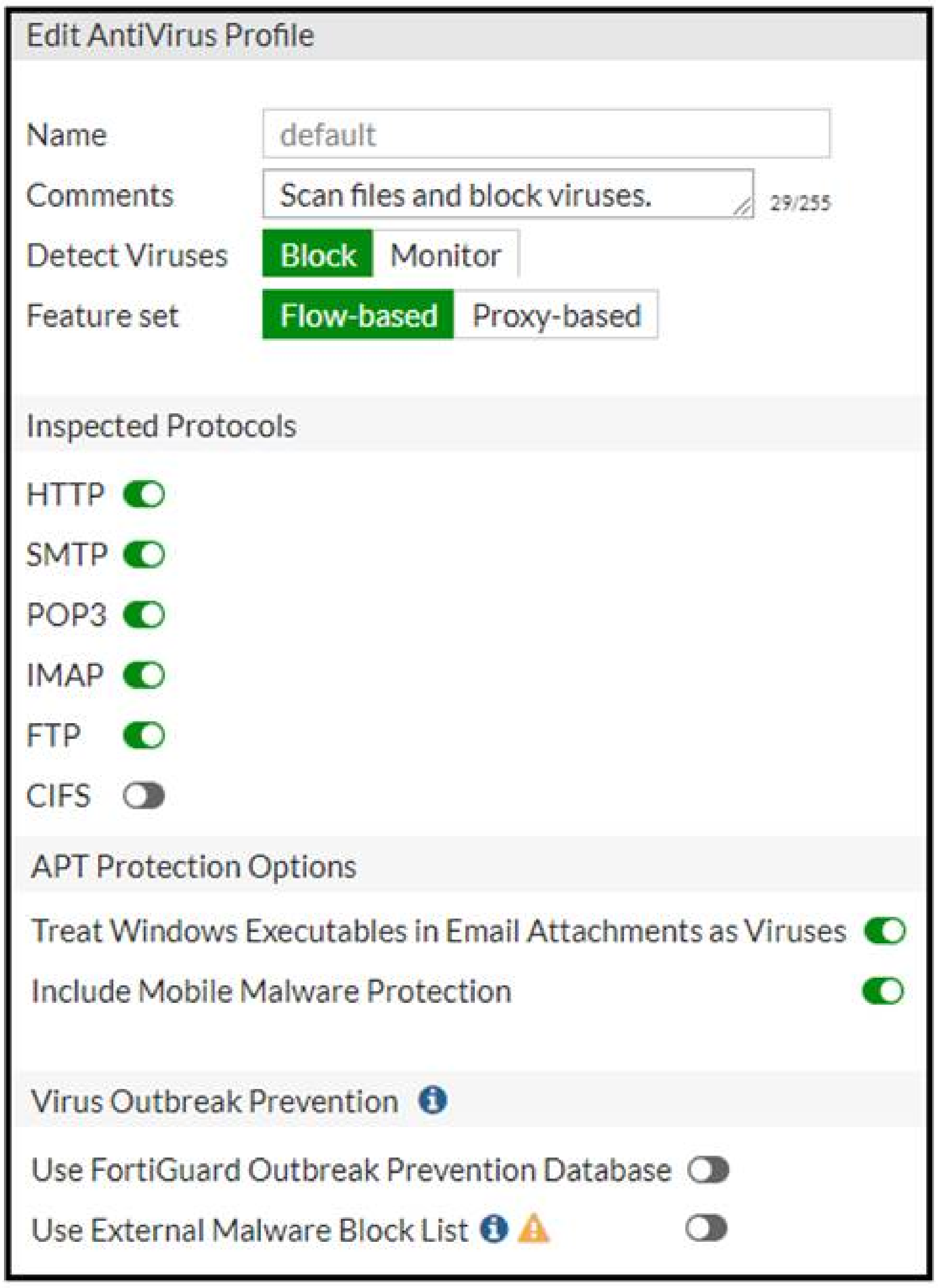
DNS Filter: ○

Application Control: ○

IPS: ○

SSL Inspection ⚠: SSL deep-inspection

Decrypted Traffic Mirror: ○



Edit AntiVirus Profile

Name: default
Comments: Scan files and block viruses. 29/255
Detect Viruses: Block (selected) | Monitor
Feature set: Flow-based (selected) | Proxy-based

Inspected Protocols
HTTP ●
SMTP ●
POP3 ●
IMAP ●
FTP ●
CIFS ○

APT Protection Options
Treat Windows Executables in Email Attachments as Viruses ●
Include Mobile Malware Protection ●

Virus Outbreak Prevention
Use FortiGuard Outbreak Prevention Database ○
Use External Malware Block List ○

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
Why does FortiGate keep TCP sessions in the session table for some seconds even after both sides (client and server) have terminated the session?

A. To remove the NAT operation.
B. To generate logs
C. To finish any inspection operations.
D. To allow for out-of-order packets that could arrive after the FIN/ACK packets.

Answer: D

NEW QUESTION 6
What is the limitation of using a URL list and application control on the same firewall policy, in NGFW policy-based mode?

A. It limits the scanning of application traffic to the DNS protocol only.
B. It limits the scanning of application traffic to use parent signatures only.
C. It limits the scanning of application traffic to the browser-based technology category only.
D. It limits the scanning of application traffic to the application category only.

Answer: C

Explanation:

https://docs.fortinet.com/document/fortigate/5.6.0/cookbook/38324/ngfw-policy-based-mode

NEW QUESTION 7
Examine this PAC file configuration.
Which of the following statements are true? (Choose two.)

A. Browsers can be configured to retrieve this PAC file from the FortiGate.
B. Any web request to the 172.25. 120.0/24 subnet is allowed to bypass the proxy.
C. All requests not made to Fortinet.com or the 172.25. 120.0/24 subnet, have to go through altproxy.corp.com: 8060.
D. Any web request fortinet.com is allowed to bypass the proxy.

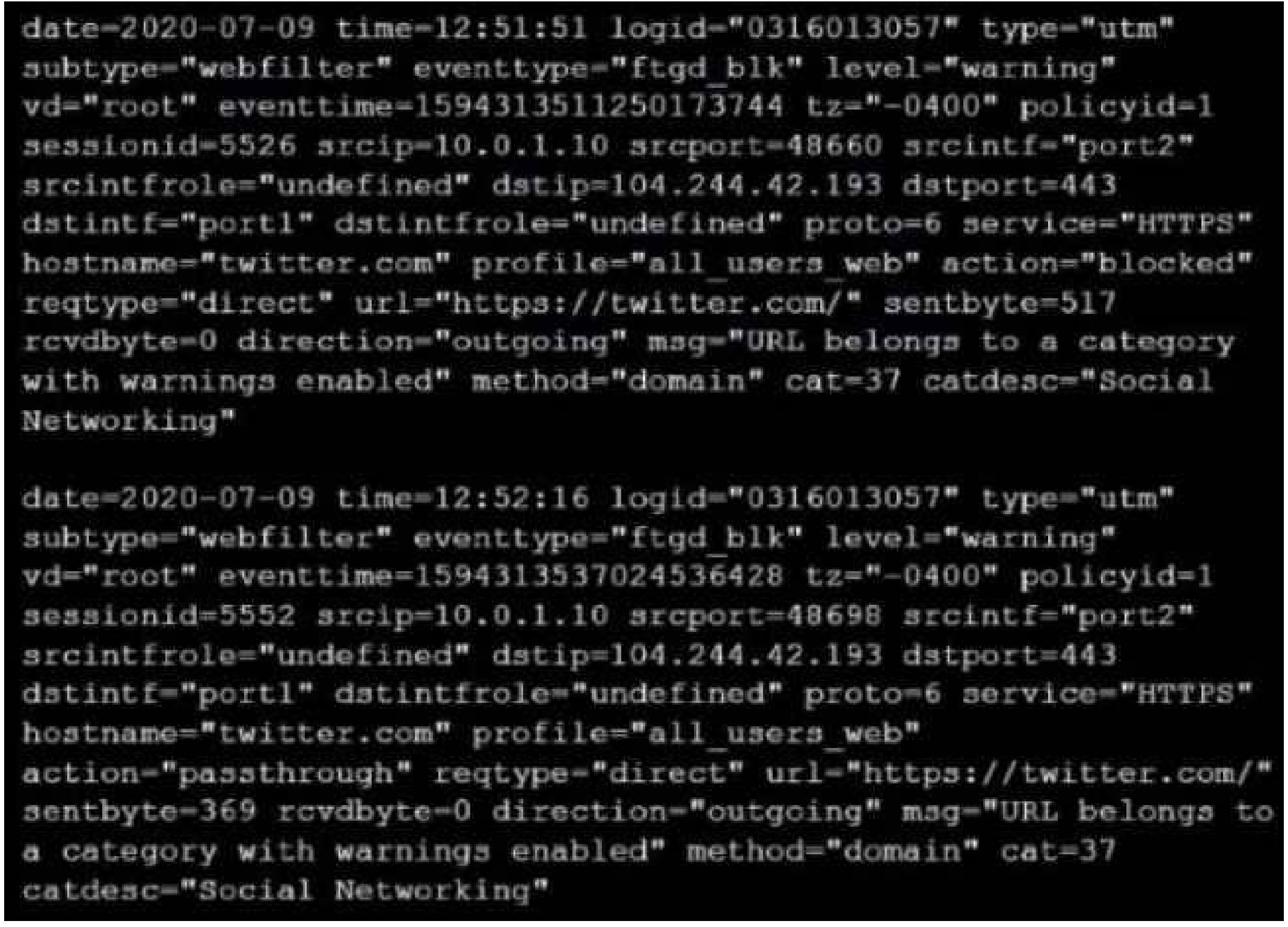
Answer: AD

NEW QUESTION 8
In consolidated firewall policies, IPv4 and IPv6 policies are combined in a single consolidated policy. Instead of separate policies. Which three statements are true about consolidated IPv4 and IPv6 policy configuration? (Choose three.)

A. The IP version of the sources and destinations in a firewall policy must be different.
B. The Incoming Interfac
C. Outgoing Interfac
D. Schedule, and Service fields can be shared with both IPv4 and IPv6.
E. The policy table in the GUI can be filtered to display policies with IPv4, IPv6 or IPv4 and IPv6 sources and destinations.
F. The IP version of the sources and destinations in a policy must match.
G. The policy table in the GUI will be consolidated to display policies with IPv4 and IPv6 sources and destinations.

Answer: BDE

NEW QUESTION 9
Refer to the web filter raw logs.



```
date=2020-07-09 time=12:51:51 logid="0316013057" type="utm"
subtype="webfilter" eventtype="ftgd_blk" level="warning"
vd="root" eventtime=1594313511250173744 tz="-0400" policyid=1
sessionid=5526 srcip=10.0.1.10 srcport=48660 srcintf="port2"
srcintfrole="undefined" dstip=104.244.42.193 dstport=443
dstintf="port1" dstintfrole="undefined" proto=6 service="HTTPS"
hostname="twitter.com" profile="all_users_web" action="blocked"
reqtype="direct" url="https://twitter.com/" sentbyte=517
rcvdbyte=0 direction="outgoing" msg="URL belongs to a category
with warnings enabled" method="domain" cat=37 catdesc="Social
Networking"

date=2020-07-09 time=12:52:16 logid="0316013057" type="utm"
subtype="webfilter" eventtype="ftgd_blk" level="warning"
vd="root" eventtime=1594313537024536428 tz="-0400" policyid=1
sessionid=5552 srcip=10.0.1.10 srcport=48698 srcintf="port2"
srcintfrole="undefined" dstip=104.244.42.193 dstport=443
dstintf="port1" dstintfrole="undefined" proto=6 service="HTTPS"
hostname="twitter.com" profile="all_users_web"
action="passthrough" reqtype="direct" url="https://twitter.com/"
sentbyte=369 rcvdbyte=0 direction="outgoing" msg="URL belongs to
a category with warnings enabled" method="domain" cat=37
catdesc="Social Networking"
```

Based on the raw logs shown in the exhibit, which statement is correct?

A. Social networking web filter category is configured with the action set to authenticate.
B. The action on firewall policy ID 1 is set to warning.
C. Access to the social networking web filter category was explicitly blocked to all users.
D. The name of the firewall policy is all_users_web.

Answer: A

NEW QUESTION 10
Which statement correctly describes NetAPI polling mode for the FSSO collector agent?

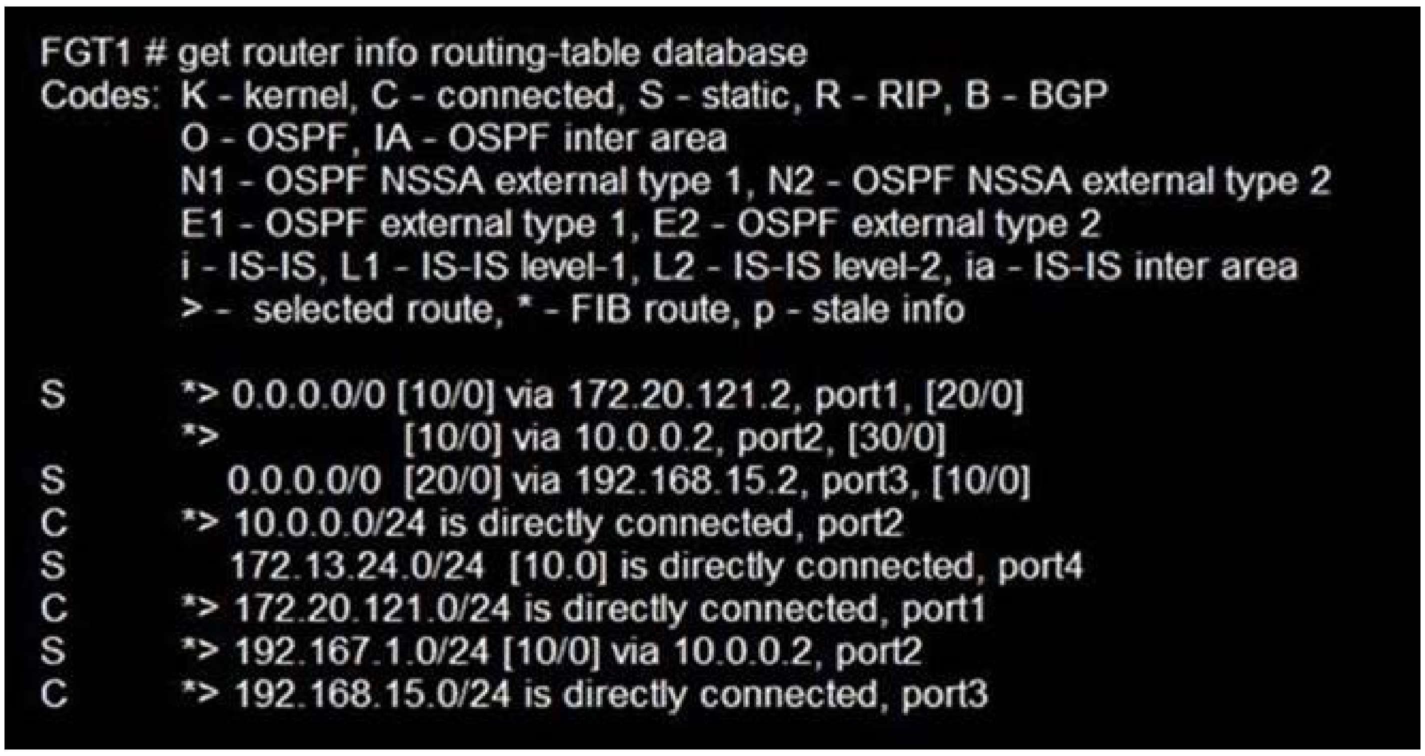
A. The collector agent uses a Windows API to query DCs for user logins.
B. NetAPI polling can increase bandwidth usage in large networks.
C. The collector agent must search security event logs.
D. The NetSession Enum function is used to track user logouts.

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 10
Refer to the exhibit.



```
FGT1 # get router info routing-table database
Codes:  K - kernel, C - connected, S - static, R - RIP, B - BGP
        O - OSPF, IA - OSPF inter area
        N1 - OSPF NSSA external type 1, N2 - OSPF NSSA external type 2
        E1 - OSPF external type 1, E2 - OSPF external type 2
        i - IS-IS, L1 - IS-IS level-1, L2 - IS-IS level-2, ia - IS-IS inter area
        > -  selected route, * - FIB route, p - stale info

S       *> 0.0.0.0/0 [10/0] via 172.20.121.2, port1, [20/0]
        *>           [10/0] via 10.0.0.2, port2, [30/0]
S          0.0.0.0/0  [20/0] via 192.168.15.2, port3, [10/0]
C       *> 10.0.0.0/24 is directly connected, port2
S          172.13.24.0/24  [10.0] is directly connected, port4
C       *> 172.20.121.0/24 is directly connected, port1
S       *> 192.167.1.0/24 [10/0] via 10.0.0.2, port2
C       *> 192.168.15.0/24 is directly connected, port3
```

Given the routing database shown in the exhibit, which two statements are correct? (Choose two.)

A. The port3 default route has the highest distance.
B. The port3 default route has the lowest metric.
C. There will be eight routes active in the routing table.
D. The port1 and port2 default routes are active in the routing table.

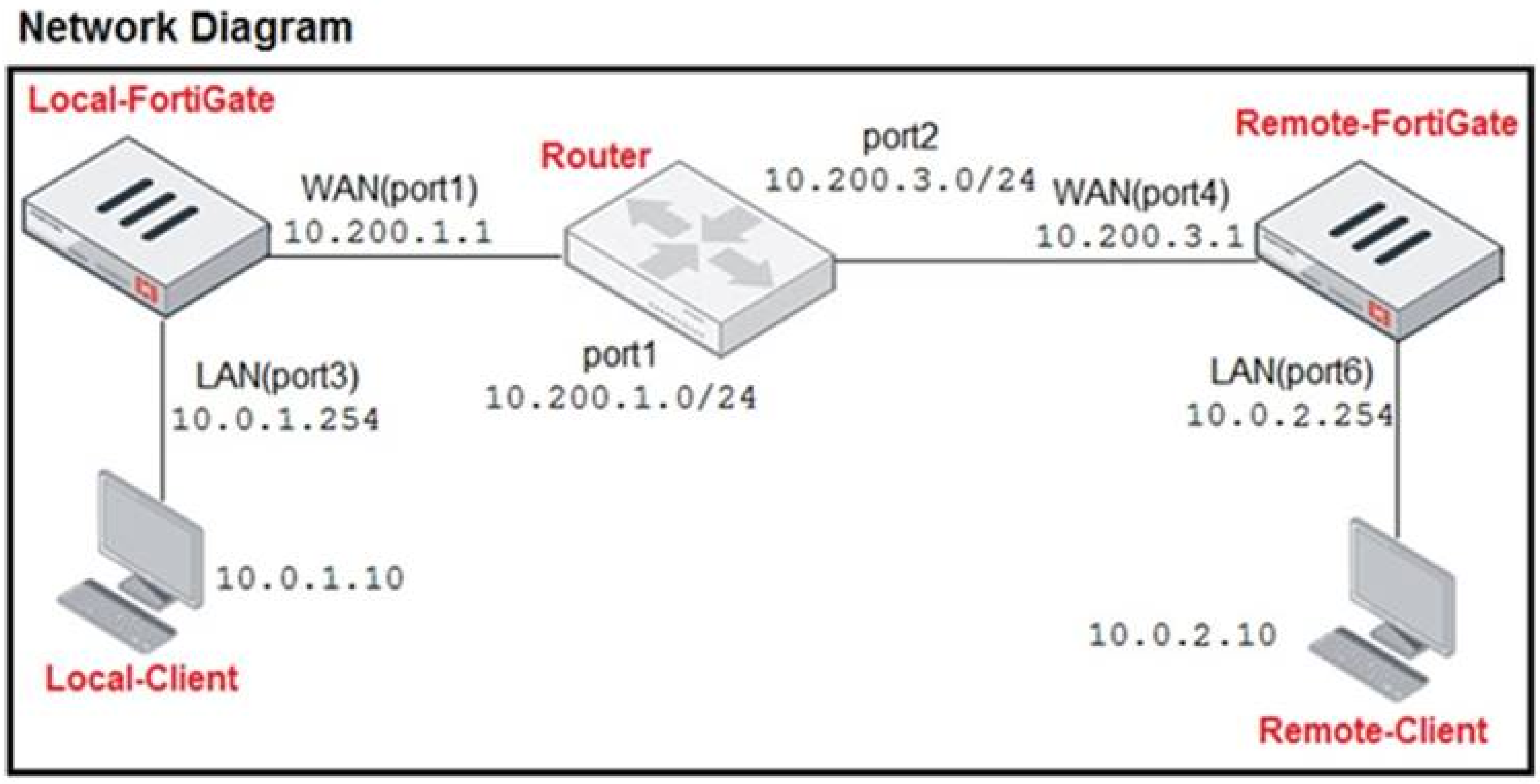
Answer: AD

NEW QUESTION 12
Which of the following statements is true regarding SSL VPN settings for an SSL VPN portal?

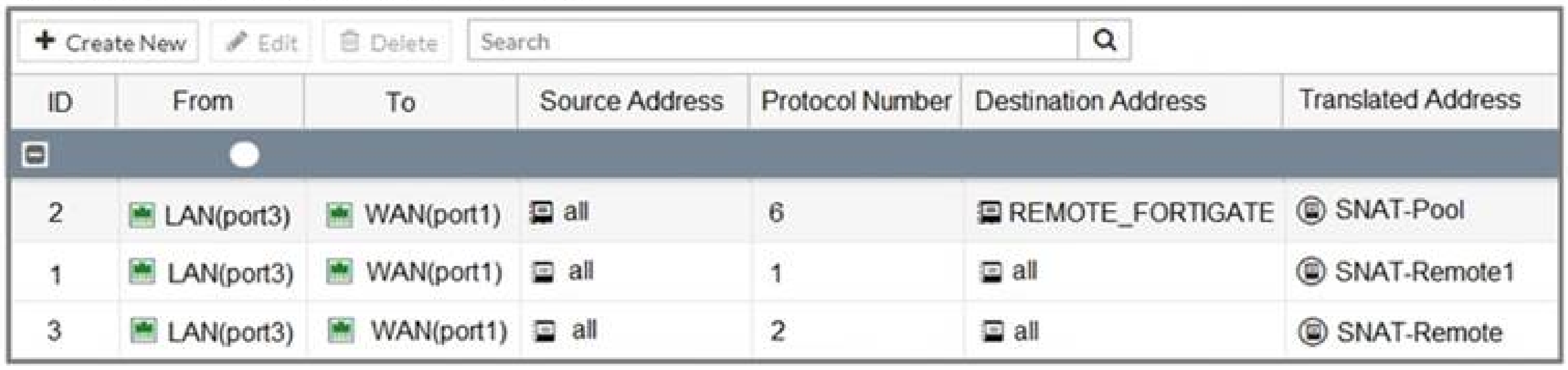
A. By default, FortiGate uses WINS servers to resolve names.
B. By default, the SSL VPN portal requires the installation of a client's certificate.
C. By default, split tunneling is enabled.
D. By default, the admin GUI and SSL VPN portal use the same HTTPS port.

Answer: D

NEW QUESTION 14
Refer to the exhibit.

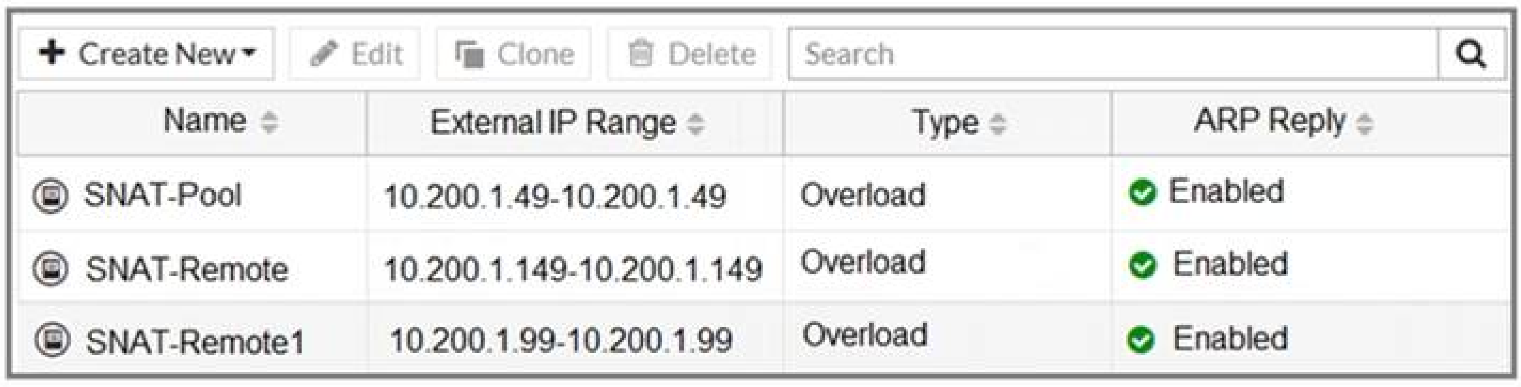


Central SNAT Policies Local-FortiGate



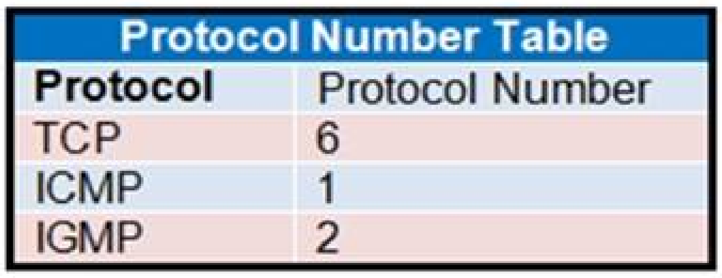
ID	From	To	Source Address	Protocol Number	Destination Address	Translated Address
⊟	●					
2	LAN(port3)	WAN(port1)	all	6	REMOTE_FORTIGATE	SNAT-Pool
1	LAN(port3)	WAN(port1)	all	1	all	SNAT-Remote1
3	LAN(port3)	WAN(port1)	all	2	all	SNAT-Remote

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

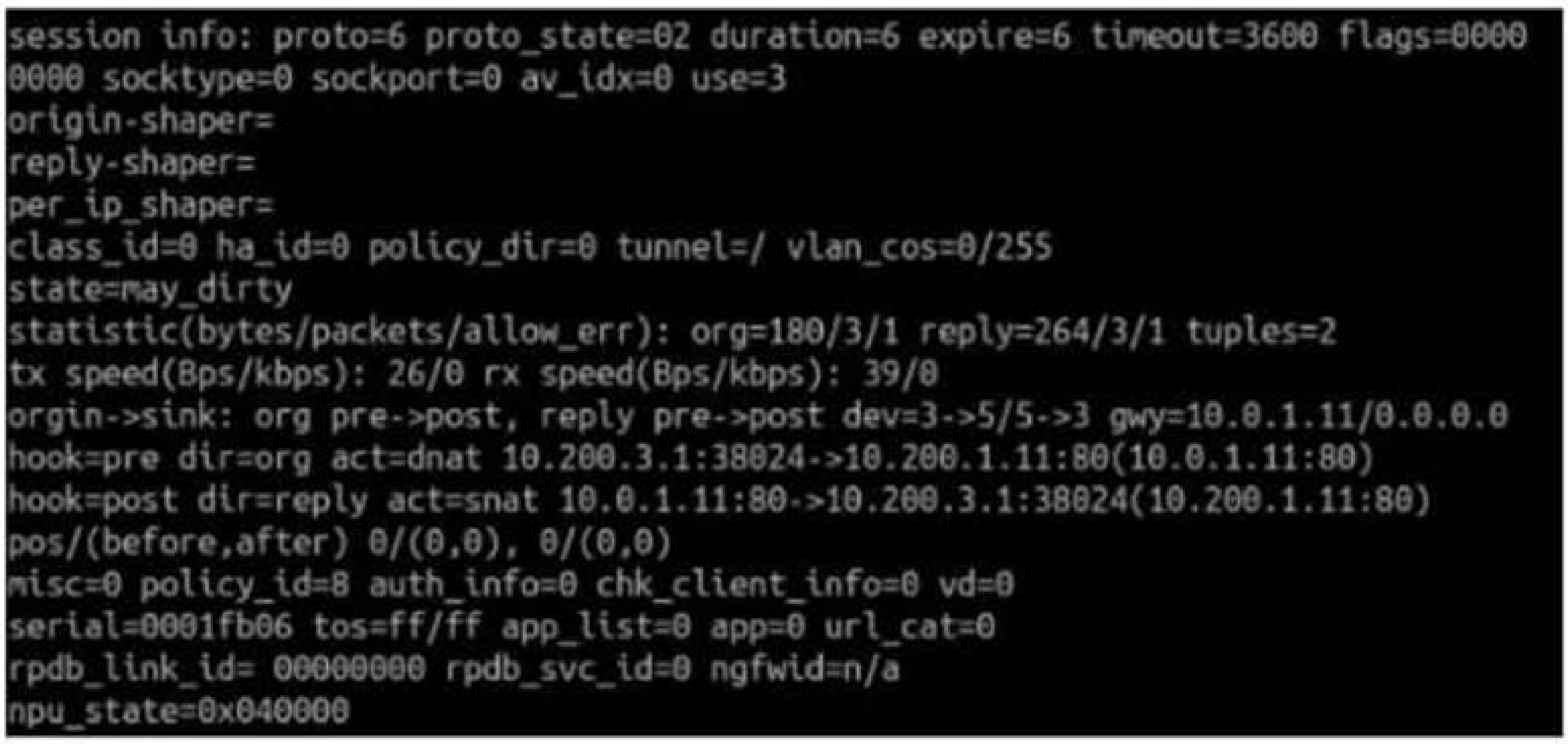
Protocol	Protocol Number
TCP	6
ICMP	1
IGMP	2

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 15
Refer to the exhibit.



```
session info: proto=6 proto_state=02 duration=6 expire=6 timeout=3600 flags=0000
0000 socktype=0 sockport=0 av_idx=0 use=3
origin-shaper=
reply-shaper=
per_ip_shaper=
class_id=0 ha_id=0 policy_dir=0 tunnel=/ vlan_cos=0/255
state=may_dirty
statistic(bytes/packets/allow_err): org=180/3/1 reply=264/3/1 tuples=2
tx speed(Bps/kbps): 26/0 rx speed(Bps/kbps): 39/0
orgin->sink: org pre->post, reply pre->post dev=3->5/5->3 gwy=10.0.1.11/0.0.0.0
hook=pre dir=org act=dnat 10.200.3.1:38024->10.200.1.11:80(10.0.1.11:80)
hook=post dir=reply act=snat 10.0.1.11:80->10.200.3.1:38024(10.200.1.11:80)
pos/(before,after) 0/(0,0), 0/(0,0)
misc=0 policy_id=8 auth_info=0 chk_client_info=0 vd=0
serial=0001fb06 tos=ff/ff app_list=0 app=0 url_cat=0
rpdb_link_id= 00000000 rpdb_svc_id=0 ngfwid=n/a
npu_state=0x040000
```

Which contains a session diagnostic output. Which statement is true about the session diagnostic output?

A. The session is in SYN_SENT state.
B. The session is in FIN_ACK state.
C. The session is in FTN_WAIT state.
D. The session is in ESTABLISHED state.

Answer: A

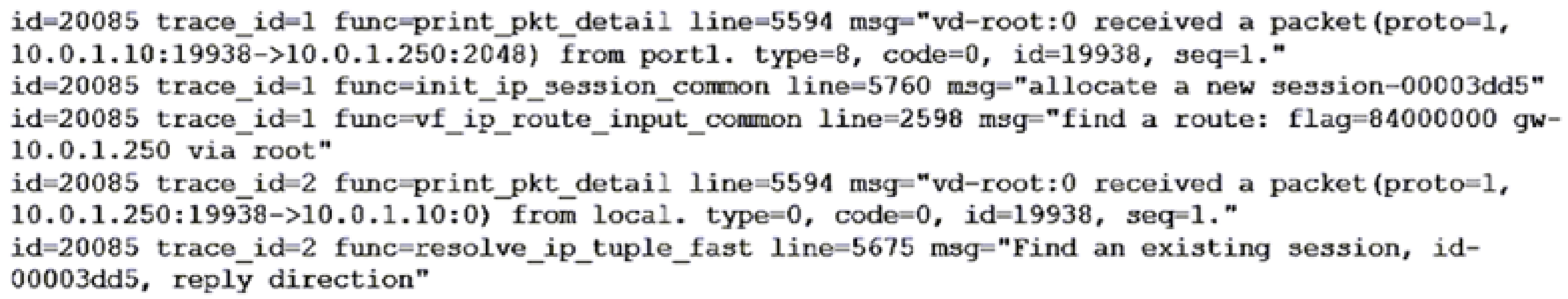
Explanation:
Indicates TCP (proto=6) session in SYN_SENT state (proto=state=2) https://kb.fortinet.com/kb/viewContent.do?externalId=FD30042

NEW QUESTION 19
FortiGate is operating in NAT mode and is configured with two virtual LAN (VLAN) subinterfaces added to the same physical interface.
In this scenario, what are two requirements for the VLAN ID? (Choose two.)

A. The two VLAN subinterfaces can have the same VLAN ID, only if they have IP addresses in the same subnet.
B. The two VLAN subinterfaces can have the same VLAN ID, only if they belong to different VDOMs.
C. The two VLAN subinterfaces must have different VLAN IDs.
D. The two VLAN subinterfaces can have the same VLAN ID, only if they have IP addresses in different subnets.

Answer: CD

NEW QUESTION 24
Refer to the exhibit showing a debug flow output.



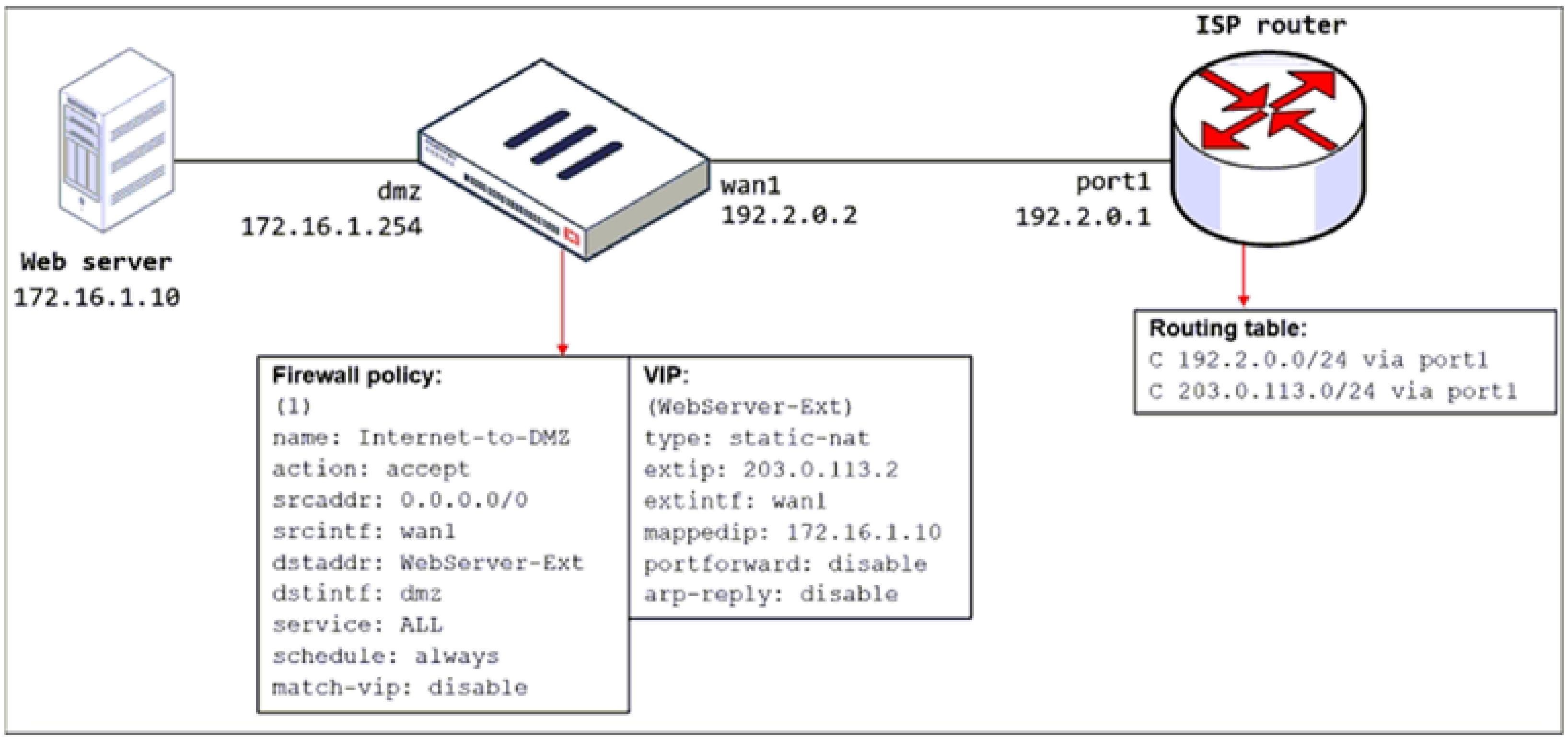
```
id=20085 trace_id=1 func=print_pkt_detail line=5594 msg="vd-root:0 received a packet(proto=1,
10.0.1.10:19938->10.0.1.250:2048) from port1. type=8, code=0, id=19938, seq=1."
id=20085 trace_id=1 func=init_ip_session_common line=5760 msg="allocate a new session-00003dd5"
id=20085 trace_id=1 func=vf_ip_route_input_common 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 27
Refer to the exhibit.
The exhibit shows a diagram of a FortiGate device connected to the network, the firewall policy and VIP configuration on the FortiGate device, and the routing table on the ISP router.
When the administrator tries to access the web server public address (203.0.113.2) from the internet, the connection times out. At the same time, the administrator runs a sniffer on FortiGate to capture incoming web traffic to the server and does not see any output.



```
Firewall policy:
(1)
name: Internet-to-DMZ
action: accept
srcaddr: 0.0.0.0/0
srcintf: wan1
dstaddr: WebServer-Ext
dstintf: dmz
service: ALL
schedule: always
match-vip: disable
```

```
VIP:
(WebServer-Ext)
type: static-nat
extip: 203.0.113.2
extintf: wan1
mappedip: 172.16.1.10
portforward: disable
arp-reply: disable
```

```
Routing table:
C 192.2.0.0/24 via port1
C 203.0.113.0/24 via port1
```

Based on the information shown in the exhibit, what configuration change must the administrator make to fix the connectivity issue?

A. Configure a loopback interface with address 203.0.113.2/32.
B. In the VIP configuration, enable arp-reply.
C. Enable port forwarding on the server to map the external service port to the internal service port.
D. In the firewall policy configuration, enable match-vip.

Answer: D

NEW QUESTION 30
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 34
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.

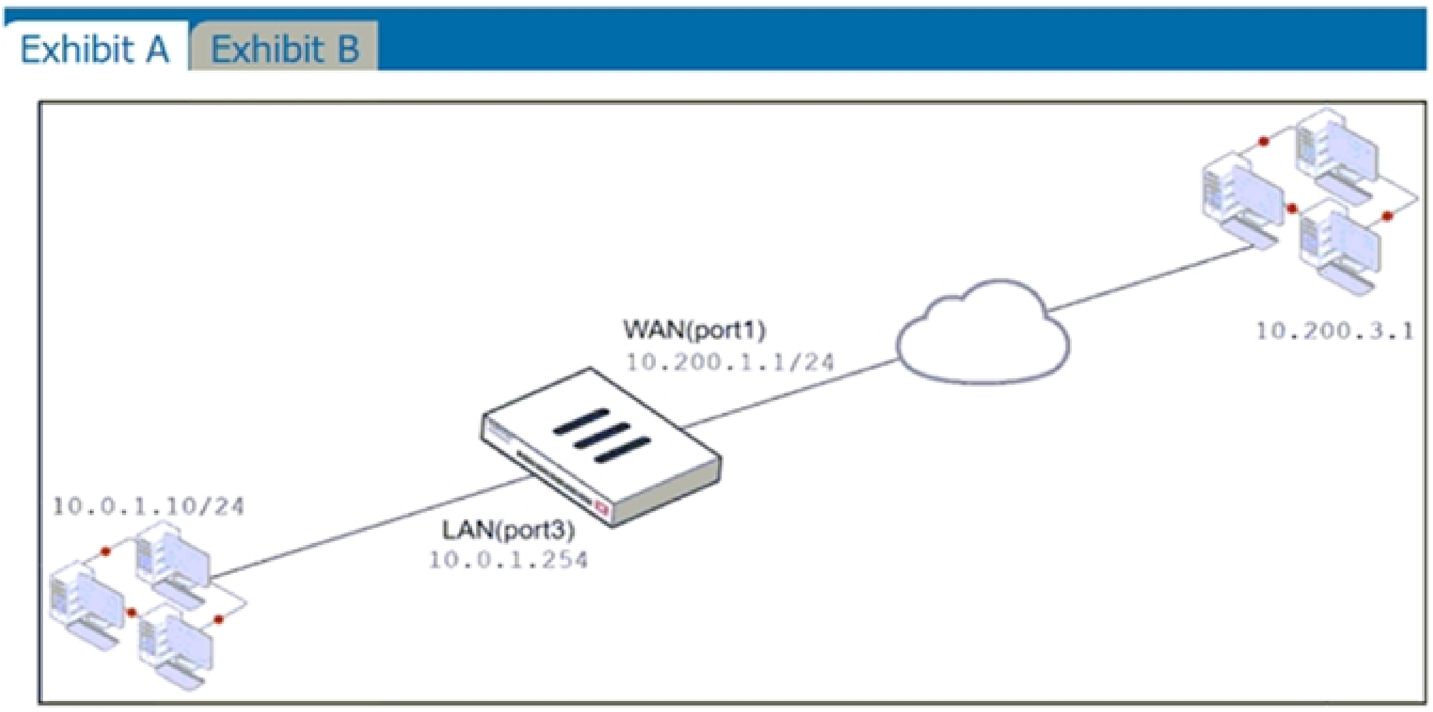
Answer: ADE

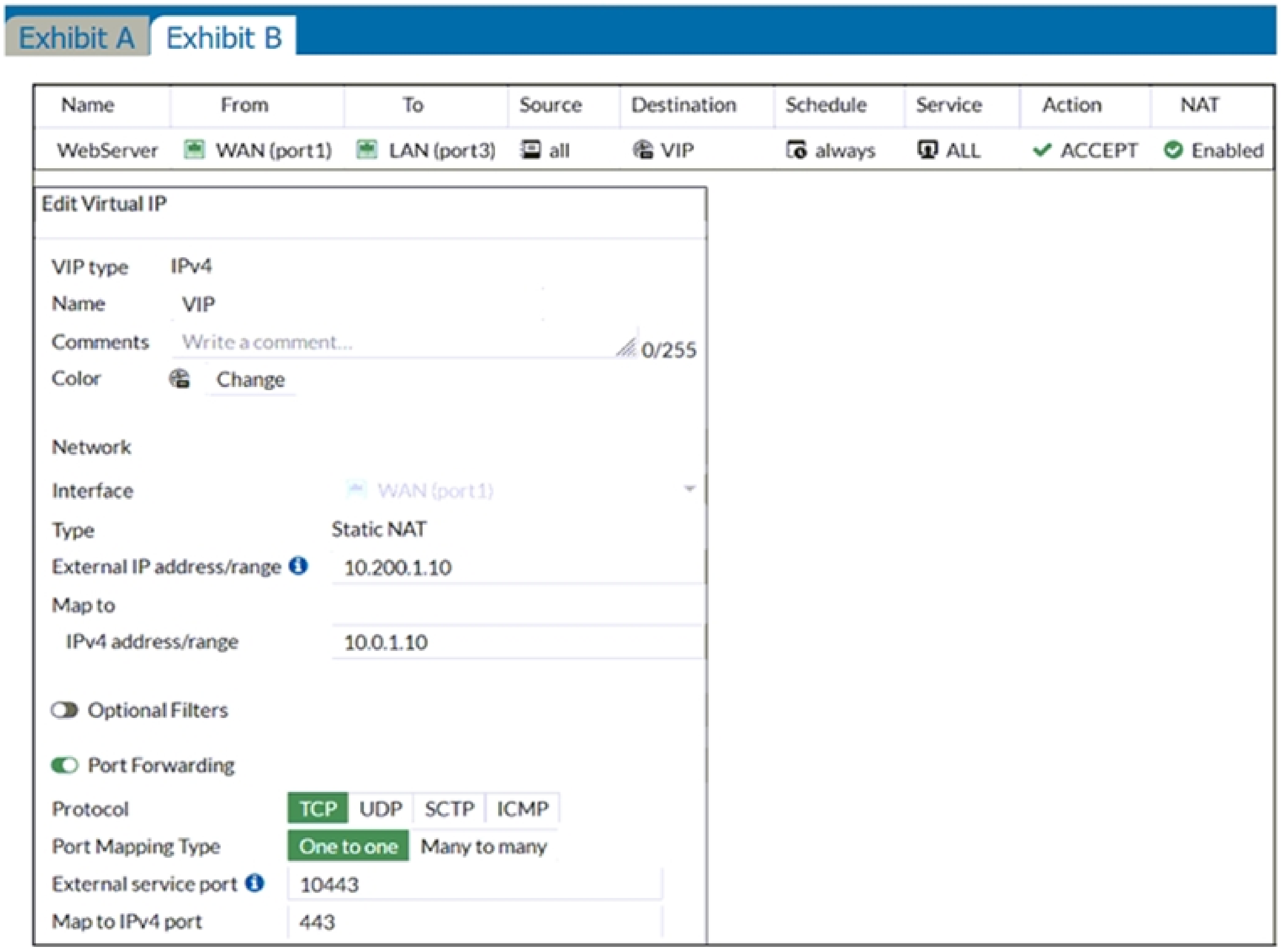
NEW QUESTION 38
Which timeout setting can be responsible for deleting SSL VPN associated sessions?

A. SSL VPN idle-timeout
B. SSL VPN http-request-body-timeout
C. SSL VPN login-timeout
D. SSL VPN dtls-hello-timeout

Answer: A

NEW QUESTION 40
Refer to the exhibits.
Exhibit A shows a network diagram. Exhibit B shows the firewall policy configuration and a VIP object 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.





Name	From	To	Source	Destination	Schedule	Service	Action	NAT
WebServer	WAN (port1)	LAN (port3)	all	VIP	always	ALL	✓ ACCEPT	Enabled

Edit Virtual IP

VIP type IPv4
Name VIP
Comments Write a comment... 0/255
Color Change

Network
Interface WAN (port1)
Type Static NAT
External IP address/range 10.200.1.10
Map to
IPv4 address/range 10.0.1.10

Optional Filters

Port Forwarding
Protocol [✓ TCP] UDP SCTP ICMP
Port Mapping Type [✓ One to one] Many to many
External service port 10443
Map to IPv4 port 443

If the host 10.200.3.1 sends a TCP SYN packet on port 10443 to 10.200.1.10, what will the source address, destination address, and destination port of the packet be, after FortiGate forwards the packet to the destination?

A. 10.0.1.254, 10.0.1.10, and 443, respectively
B. 10.0.1.254, 10.0.1.10, and 10443, respectively
C. 10.200.3.1, 10.0.1.10, and 443, respectively

Answer: C

NEW QUESTION 41
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 45
......