Fortinet

Exam Questions NSE4_FGT_AD-7.6

Fortinet NSE 4 - FortiOS 7.6 Administrator

NEW QUESTION 1
Refer to the exhibit.

An SD-WAN zone configuration on the FortiGate GUI is shown. Based on the exhibit, which statement is true?

A. The Underlay zone contains no member.
B. The virtual-wan-link and overlay zones can be deleted
C. The Underlay zone is the zone by default.
D. port2 and port3 are not assigned to a zone.

Answer: A

NEW QUESTION 2
Refer to the exhibit showing a debug flow output.

Debug Flow output

```
vd-root:0 received a packet(proto=1, 10.0.11.50:3->100.65.0.254:2048) tun_id=0.0.0.0 from port4. type=8, code=0, id=3, seq=5.
allocate a new session-00000721
in-[port4], out-[]
len=0
result: skb_flags-02000000, vid-0, ret-no-match, act-accept, flag-00000000
find a route: flag=00000000 gw-0.0.0.0 via port2
in-[port4], out-[port2], skb_flags-02000000, vid-0, app_id: 0, url_cat_id: 0
gnum-100004, use addr/intf hash, len=3
checked gnum-100004 policy-2, ret-matched, act-accept
ret-matched
gnum-4e20, check-ffffffffa002c9c7
checked gnum-4e20 policy-6, ret-no-match, act-accept
gnum-4e20 check result: ret-no-match, act-accept, flag-00000000, flag2-00000000
policy-2 is matched, act-drop
after iprope_captive_check(): is_captive-0, ret-matched, act-drop, idx-2
Denied by forward policy check (policy 2)
```

Which two conclusions can you make from the debug flow output? (Choose two answers)

A. The default gateway is configured on port2.
B. The RPF check fails.
C. The debug flow is for UDP traffic.
D. The matching firewall policy denies the traffic.

Answer: AD

NEW QUESTION 3
You have configured the below commands on a FortiGate.

```
config system settings
set strict-src-check enable
end

Config system interface
edit port1
set src-check disable
next
end
```

What would be the impact of this configuration on FortiGate?

A. FortiGate will enable strict RPF on all its interfaces and porti will be exempted from RPF checks.
B. FortiGate will enable strict RPF on all its interfaces and porti will be enable for asymmetric routing.
C. The global configuration will take precedence and FortiGate will enable strict RPF on all interfaces.
D. Port1 will be enabled with flexible RP
E. and all other interfaces will be enabled for strict RPF

Answer: A

NEW QUESTION 4
Which three strategies are valid SD-WAN rule strategies for member selection? (Choose three answers)

A. Lowest Cost (SLA) without load balancing
B. Manual with load balancing
C. Lowest Quality (SLA) with load balancing
D. Lowest Cost (SLA) with load balancing
E. Best Quality with load balancing

Answer: ABD

NEW QUESTION 5
An administrator wants to configure dead peer detection (DPD) on IPsec VPN for detecting dead tunnels. The requirement is that FortiGate sends DPD probes only when there is no inbound traffic.
Which DPD mode on FortiGate meets this requirement?

A. On Demand
B. Enabled
C. On Idle
D. Usabled

Answer: A

NEW QUESTION 6
What are two features of FortiGate FSSO agentless polling mode? (Choose two.)

A. FortiGate uses the AD server as the collector agent.
B. FortiGate uses the SMB protocol to read the event viewer logs from the DCs.
C. FortiGate does not support workstation check.
D. FortiGate directs the collector agent to use a remote LDAP server.

Answer: BC

NEW QUESTION 7
An administrator manages a FortiGate model that supports NTurbo How does NTurbo acceleration enhance antivirus performance?

A. For flow-based inspectio

B. NTurbo establishes a dedicated data path to redirect traffic between the IPS engine and FortiGate ingress and egress interfaces.
C. For flow-based inspectio
D. NTurbo creates two inspection sessions on the FortiGate device.
E. For proxy-based inspectio
F. NTurbo offloads traffic to the content processor.
G. For proxy-based inspectio
H. NTurbo buffers the whole file and then sends it to the antivirus engine.

Answer: A

NEW QUESTION 8
Refer to the exhibits.

System Performance output

```
# 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
CPU1 states: 0% user 0% system 0% nice 100% idle 0% iowait 0% irq 0% softirq
Memory: 2042076k total, 1837868k used (90%), 104146k free (5.1%), 100062k freeable (4.9%)
Average network usage: 19/2 kbps in 1 minute, 19/4 kbps in 10 minutes, 19/3 kbps in 30 minutes
Maximal network usage: 36/18 kbps in 1 minute, 58/86 kbps in 10 minutes, 58/87  kbps in 30 minutes
Average sessions: 21 sessions in 1 minute, 22 sessions  in 10 minutes, 21 sessions in 30 minutes
Maximal sessions: 22 sessions in 1 minute, 28 sessions  in 10 minutes, 28 sessions in 30 minutes
Average session setup rate: 0 sessions per second in last 1 minute, 0 sessions per second in last 10 minutes
Maximal session setup rate: 0 sessions per second in last 1 minute, 1 sessions per second in last 10 minutes
Average NPU sessions: 0 sessions in last 1 minute, 0 sessions in last 10 minutes, 0 sessions in last 30 minutes
Maximal NPU sessions: 0 sessions in last 1 minute, 0 sessions in last 10 minutes, 0 sessions in last 30 minutes
Virus caught: 0 total in 1 minute
IPS attacks blocked: 0 total in 1 minute
Uptime: 10 days, 22 hours, 50 minutes
```

Memory usage threshold settings

```
config system global
    set memory-use-threshold-extreme 89
    set memory-use-threshold-green 82
    set memory-use-threshold-red 88
end
```

The system performance output and default configuration of high memory usage thresholds on a FortiGate device are shown.
Based on the system performance output, what are the two possible outcomes? (Choose two.)

A. Administrators can access FortiGate only through the console port.
B. FortiGate has entered conserve mode.
C. FortiGate drops new sessions.
D. Administrators can change the configuration.

Answer: BD

NEW QUESTION 9
Refer to the exhibit.

```
HQ-NGFW-1 # diagnose test application ipsmonitor 1
            pid = 2044, engine count = 0 (+1)
            0 - pid:2074:2074 cfg:1 master:0 run:1
```

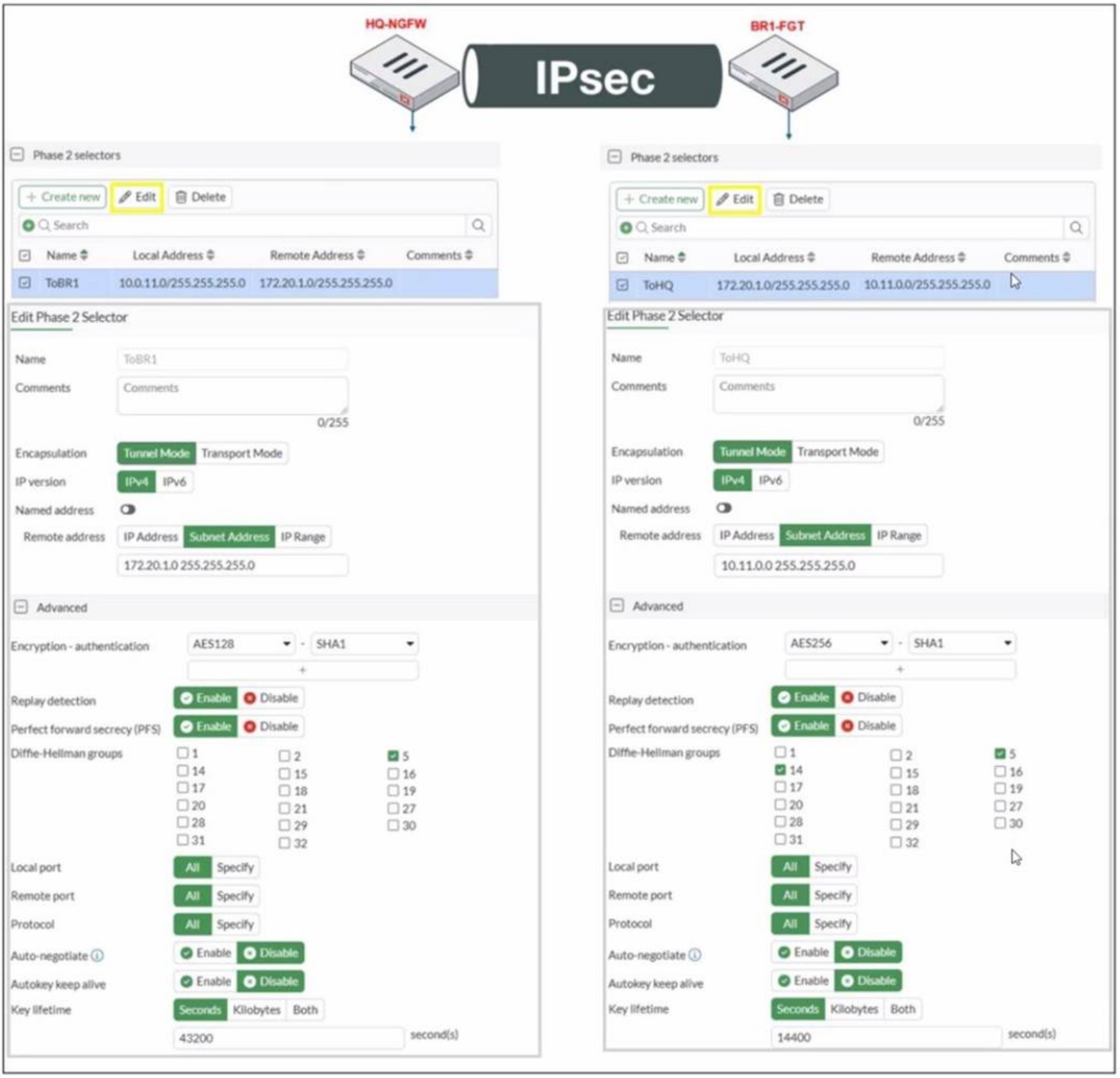
As an administrator you have created an IPS profile, but it is not performing as expected. While testing you got the output as shown in the exhibit What could be the possible reason of the diagnose output shown in the exhibit?

A. There is a no firewall policy configured with an IPS security profile.
B. Administrator entered the command diagnose test application ipsmonitor 5.
C. FortiGate entered into IPS fail open state.
D. Administrator entered the command diagnose test application ipsmonitor 99.

Answer: A

NEW QUESTION 10
Refer to the exhibit.

IPsec tunnel configuration



A network administrator is troubleshooting an IPsec tunnel between two FortiGate devices. The administrator has determined that phase 1 status is up, but phase 2 fails to come up.
Based on the phase 2 configuration shown in the exhibit, which two configuration changes will bring phase 2 up? (Choose two.)

A. On BR1-FGT, set Remote Address to 10.0.11.0/255.255.255.0.
B. On HQ-NGF
C. enable Diffie-Hellman Group 2.
D. On BR1-FG
E. set Seconds to 43200
F. On HQ-NGF
G. set Encryption to AES256.

Answer: AD

NEW QUESTION 10
Refer to the exhibit.

Destination	Gateway IP	Interface	Status
0.0.0.0/0	100.65.0.254	port2	Enabled
10.10.10.0/24	100.66.0.254	port3	Enabled
10.0.13.0/24	10.0.13.125	port6	Enabled

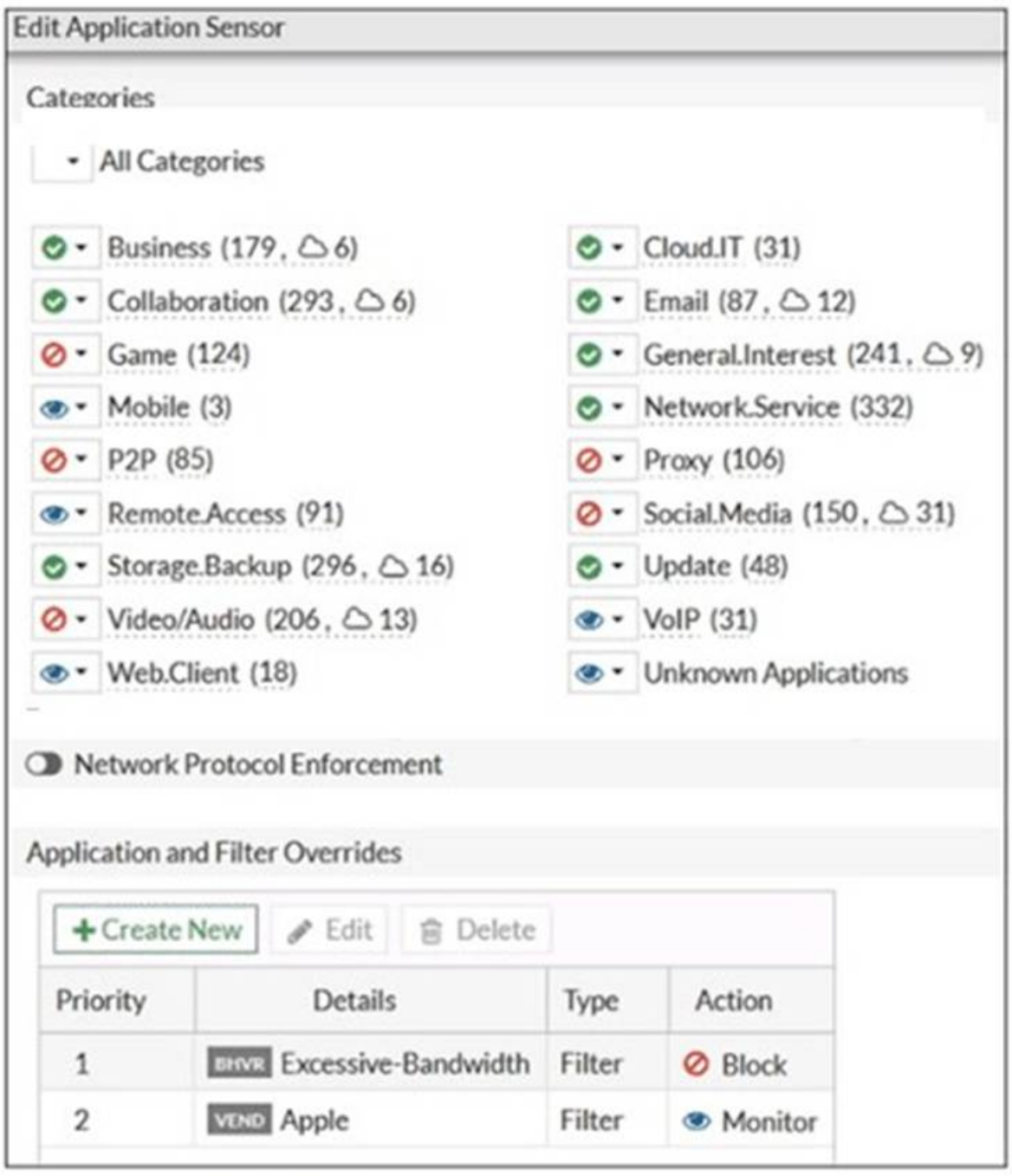
Based on the routing table shown in the exhibit, which two statements are true? (Choose two.)

A. A packet with the source IP address 10.0.13.10 arriving on port2 is allowed if strict RPF is disabled.
B. A packet with the source IP address 10.100.110.10 arriving on port2 is allowed if strict RPF is enabled.
C. A packet with the source IP address 10.100.110.10 arriving on port3 is allowed if strict RPF is disabled.
D. A packet with the source IP address 10.10.10.10 arriving on port2 is allowed if strict RPF is enabled.

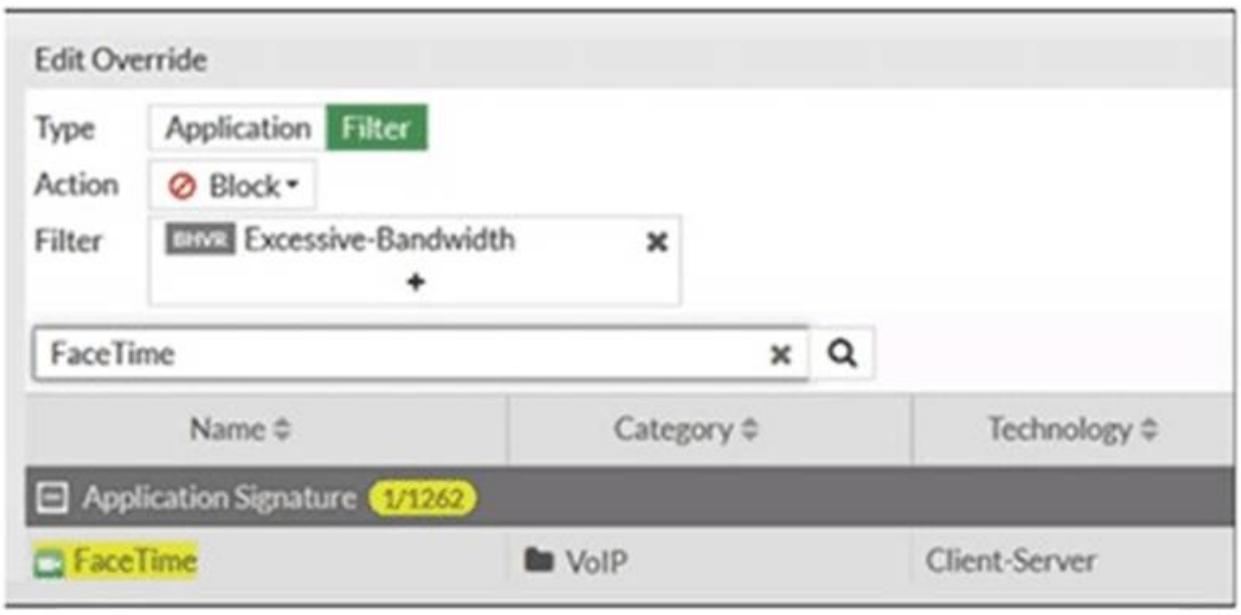
Answer: AC

NEW QUESTION 14
Refer to the exhibits.

Application sensor configuration



Application override configuration



Filter override configuration

The exhibits show the application sensor configuration and the Excessive-Bandwidth and Apple filter details. Based on the configuration, what will happen to Apple FaceTime if there are only a few calls originating or incoming? (Choose one answer)

A. Apple FaceTime will be allowed, based on the Video/Audio category configuration.
B. Apple FaceTime will be blocked, based on the Excessive-Bandwidth filter configuration.
C. Apple FaceTime will be allowed, based on the Apple filter configuration.
D. Apple FaceTime will be allowed only if the Apple filter in Application and Filter Overrides is set to Allow.

Answer: B

NEW QUESTION 16
Which two statements are true about an HA cluster? (Choose two answers)

A. An HA cluster cannot have both in-band and out-of-band management interfaces at the same time.
B. Link failover triggers a failover if the administrator sets the interface down on the primary device.
C. When sniffing the heartbeat interface, the administrator must see the IP address 169.254.0.2.
D. HA incremental synchronization includes FIB entries and IPsec SAs.

Answer: BD

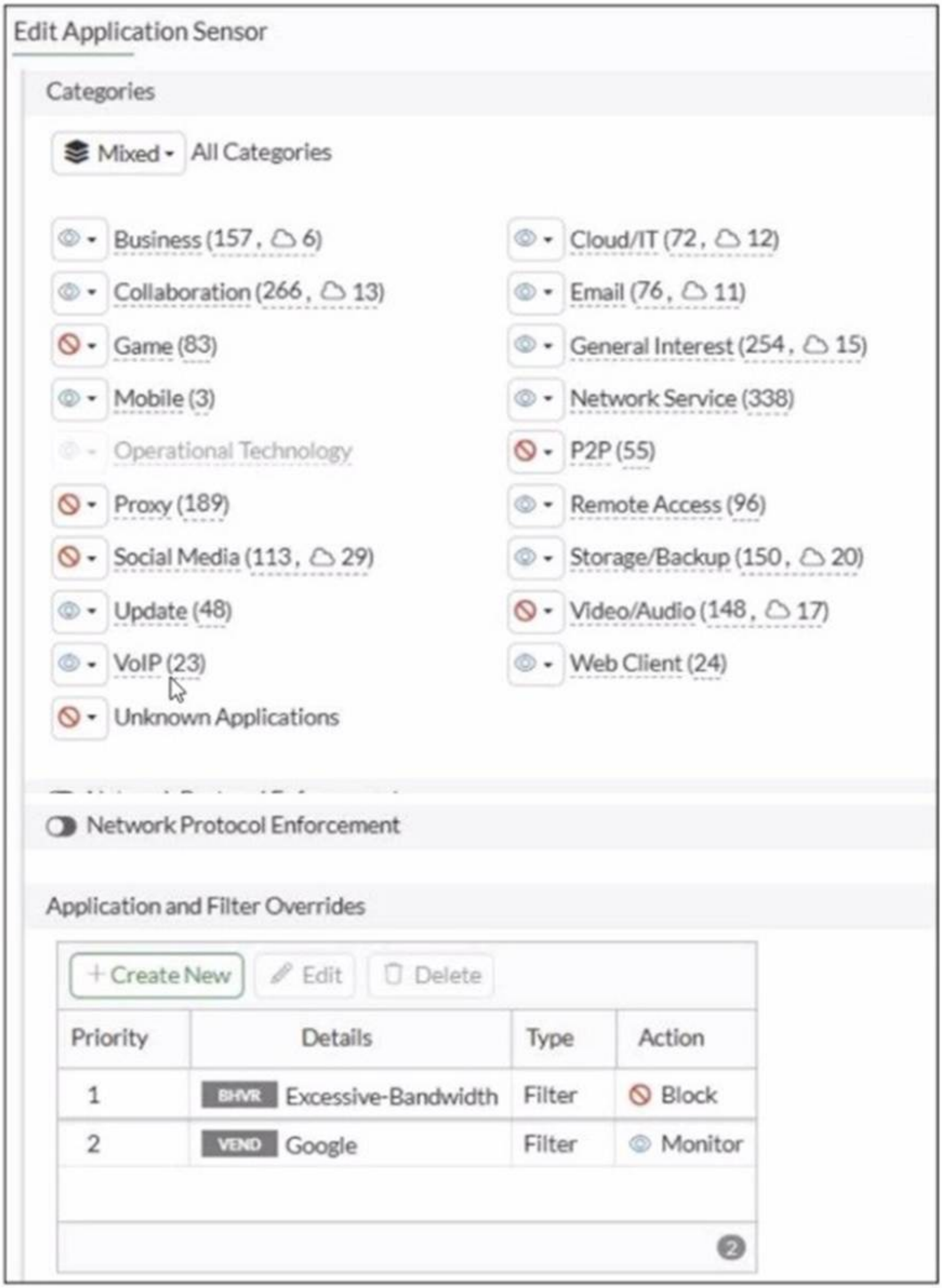
NEW QUESTION 19
Which three statements about SD-WAN performance SLAs are true? (Choose three.)

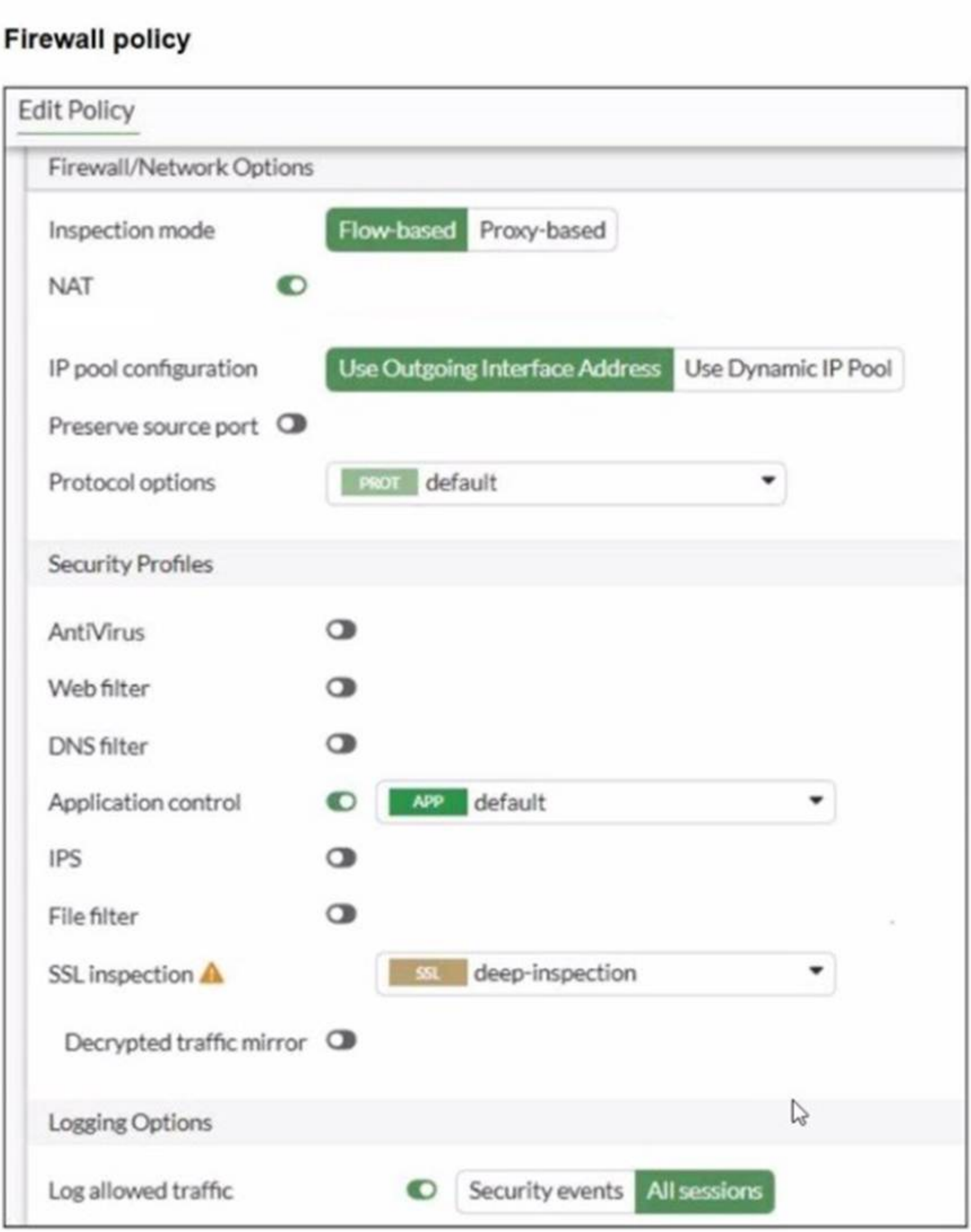
A. They rely on session loss and jitter.
B. They monitor the state of the FortiGate device.
C. All the SLA targets can be configured.
D. They are applied in a SD-WAN rule lowest cost strategy.
E. They can be measured actively or passively.

Answer: CDE

NEW QUESTION 22
Refer to the exhibits.

Application sensor





You have implemented the application sensor and the corresponding firewall policy as shown in the exhibits.
Which two factors can you observe from these configurations? (Choose two.)

A. YouTube access is blocked based on Excessive-Bandwidth Application and Filter override settings.
B. Facebook access is blocked based on the category filter settings.
C. Facebook access is allowed but you cannot play Facebook videos based on Video/Audio category filter settings.
D. YouTube search is allowed based on the Google Application and Filter override settings.

Answer: AB

NEW QUESTION 25
Refer to the exhibit.

The NOC team connects to the FortiGate GUI with the NOC_Access admin profile. They request that their GUI sessions do not disconnect too early during inactivity. What must the administrator configure to answer this specific request from the NOC team?

A. Increase the admintimeout value under config system accprofile noc Access.
B. increase the of line value of the override idle Timeout parameter in the NOC_Access admin profile.
C. Move NOC_Access to the top of the list to ensure all profile settings take effect.
D. Ensure that all NOC_Access users are assigned the super_admin role to guarantee access.

Answer: B

NEW QUESTION 28
An administrator wanted to configure an IPS sensor to block traffic that triggers the signature set number of times during a specific time period. How can the administrator achieve the objective?

A. Use IPS group signatures, set rate-mode 60.
B. Use IPS packet logging option with periodical filter option.
C. Use IPS signatures, rate-mode periodical option.
D. Use IPS filter, rate-mode periodical option.

Answer: D

NEW QUESTION 32
What is the primary FortiGate election process when the HA override setting is enabled? (Choose one answer)

A. Connected monitored ports > Priority > HA uptime > FortiGate serial number
B. Connected monitored ports > Priority > System uptime > FortiGate serial number
C. Connected monitored ports > HA uptime > Priority > FortiGate serial number
D. Connected monitored ports > System uptime > Priority > FortiGate serial number

Answer: A

NEW QUESTION 36
Refer to the exhibits.

HA configuration

```
HQ-NGFW-1 # config system ha

HQ-NGFW-1 (ha) # show
config system ha
    set group-id 5
    set group-name "Training"
    set mode a-p
    set password ENC a4fbyqY4iPexFmAnZgzDY
    set hbdev "port7" 0
    set session-pickup enable
    set override disable
    set priority 200
    set monitor "port1"
    set memory-based-failover enable
    set memory-failover-threshold 70
    set memory-failover-monitor-period 50
    set memory-failover-sample-rate 10
    set memory-failover-flip-timeout 60
end
```

HQ-NGFW-1 System Performance output

```
HQ-NGFW-1 # 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
CPU1 states: 0% user 0% system 0% nice 100% idle 0% iowait 0% irq 0% softirq
Memory: 2042076k total, 1837868k used (90%), 104146k free (5.1%), 100062k freeable (4.9%)
Average network usage: 19/2 kbps in 1 minute, 19/4 kbps in 10 minutes, 19/3 kbps in 30 minutes
Maximal network usage: 36/18 kbps in 1 minute, 58/86 kbps in 10 minutes, 58/87  kbps in 30 minutes
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Maximal session setup rate: 0 sessions per second in last 1 minute, 1 sessions per second in last 10 minutes
Average NPU sessions: 0 sessions in last 1 minute, 0 sessions in last 10 minutes, 0 sessions in last 30 minutes
Maximal NPU sessions: 0 sessions in last 1 minute, 0 sessions in last 10 minutes, 0 sessions in last 30 minutes
Virus caught: 0 total in 1 minute
IPS attacks blocked: 0 total in 1 minute
Uptime: 10 days, 22 hours, 50 minutes
```

HQ-NGFW-2 System Performance output

```
HQ-NGFW-2 # 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
CPU1 states: 0% user 0% system 0% nice 100% idle 0% iowait 0% irq 0% softirq
Memory: 2042076k total, 993836k used (48.7%), 690352k free (33.8%), 357888k freeable (17.5%)
Average network usage: 26/18 kbps in 1 minute, 25/18 kbps in 10 minutes, 24/18 kbps in 30 minutes
Maximal network usage: 91/27 kbps in 1 minute, 92/27 kbps in 10 minutes, 92/32  kbps in 30 minutes
Average sessions: 9 sessions in 1 minute, 9 sessions    in 10 minutes, 9 sessions in 30 minutes
Maximal sessions: 11 sessions in 1 minute, 11 sessions  in 10 minutes, 13 sessions in 30 minutes
Average session setup rate: 0 sessions per second in last 1 minute, 0 sessions per second in last 10 minutes
Maximal session setup rate: 0 sessions per second in last 1 minute, 1 sessions per second in last 10 minutes
Average NPU sessions: 0 sessions in last 1 minute, 0 sessions in last 10 minutes, 0 sessions in last 30 minutes
Maximal NPU sessions: 0 sessions in last 1 minute, 0 sessions in last 10 minutes, 0 sessions in last 30 minutes
Virus caught: 0 total in 1 minute
IPS attacks blocked: 0 total in 1 minute
Uptime: 10 days, 10 hours, 50 minutes
```

An administrator has observed the performance status outputs on an HA cluster for 55 seconds.
Which FortiGate is the primary?

A. HQ-NGFW-1 with the parameter memory-failover-flip-timeout setting
B. HQ-NGFW-2 with the parameter priority setting
C. HQ-NGFW-1 with the parameter override setting
D. HQ-NGFW-2 with the parameter memory-failover-threshold setting

Answer: D

NEW QUESTION 38
FortiGate is operating in NAT mode and has two physical interfaces connected to the LAN and DMZ networks respectively. Which two statements about the requirements of connected physical interfaces on FortiGate are true? (Choose two.)

A. Both interfaces must have DHCP enabled and interfaces set to LAN and DMZ roles assigned.
B. Both interfaces must have the interface role assigned.
C. Both interfaces must have directly connected routes on the routing table.
D. Both interfaces must have IP addresses assigned.

Answer: CD

NEW QUESTION 41
What are two characteristics of HA cluster heartbeat IP addresses in a FortiGate device? (Choose two.)

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

Answer: AC

NEW QUESTION 42
What are two features of collector agent advanced mode? (Choose two.)

A. In advanced mode, security profiles can be applied only to user groups, not individual users.
B. In advanced mod
C. FortiGate can be configured as an LDAP client and group filters can be configured on FortiGate.
D. Advanced mode uses the Windows convention—NetBios: Domain\Username.
E. Advanced mode supports nested or inherited groups.

Answer: BD

NEW QUESTION 43
Which two statements are correct when the FortiGate device enters conserve mode? (Choose two.)

A. FortiGate refuses to accept configuration changes.
B. FortiGate halts complete system operation and requires a reboot to regain available resources.
C. FortiGate continues to transmit packets without IPS inspection when the fail-open global setting in IPS is enabled.
D. FortiGate continues to run critical security actions, such as quarantine.

Answer: AC

NEW QUESTION 46
When configuring firewall policies which of the following is true regarding the policy ID? (Choose two.)

A. A firewall policy ID identifies the order of policy execution in firewall policies.
B. A policy ID cannot be modified once a policy is created.
C. You can create a policy in CLI with policy ID 0
D. It is mandatory to provide a policy ID while creating a firewall policy regardless of GUI or CLI.

Answer: BC

NEW QUESTION 49
A network administrator has enabled full SSL inspection and web filtering on FortiGate. When visiting any HTTPS websites, the browser reports certificate warning errors. When visiting HTTP websites, the browser does not report errors.
What is the reason for the certificate warning errors?

A. The option invalid SSL certificates is set to allow on the SSL/SSH inspection profile.
B. The matching firewall policy is set to proxy inspection mode.
C. The browser does not trust the certificate used by FortiGate for SSL inspection.
D. The certificate used by FortiGate for SSL inspection does not contain the required certificate extensions.

Answer: C

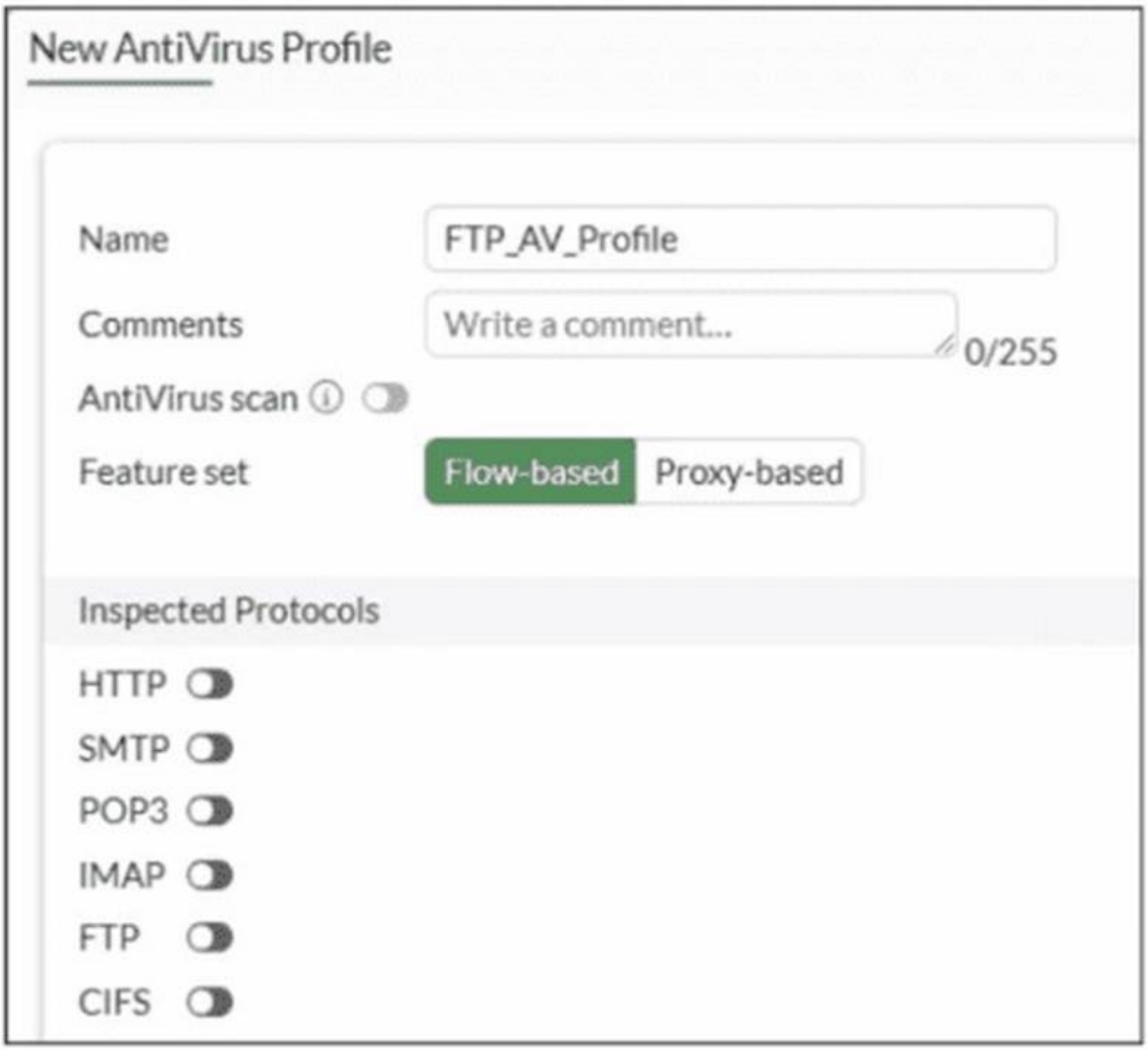
NEW QUESTION 52

How does FortiExtender connect to FortiSASE in a site-based, remote internet access method?

A. FortiExtender uses a Virtual Extensible LAN (VXLAN)-over-IPsec connection.
B. FortiExtender establishes a secure SSL connection using FortiClient.
C. FortiExtender first connects to a FortiGate LAN extension through a secure web gateway (SWG).
D. FortiExtender uses the proxy auto-configuration <PAC) file and an explicit web proxy to connect.

Answer: A

NEW QUESTION 57
Refer to the exhibit.



Why is the Antivirus scan switch grayed out when you are creating a new antivirus profile for FTP?

A. Antivirus scan is disabled under System -> Feature visibility
B. None of the inspected protocols are active in this profile.
C. The Feature Set for the profile is Flow-based but it must be Proxy-based
D. FortiGat
E. with less than 2 GB RA
F. does not support the Antivirus scan feature.

Answer: B

NEW QUESTION 61
Refer to the exhibit.

```
config system global
    set av-failopen one-shot
end
config ips global
    set fail-open enable
end
```

Based on this partial configuration, what are the two possible outcomes when FortiGate enters conserve mode? (Choose two.)

A. FortiGate drops new sessions requiring inspection.
B. Administrators must restart FortiGate to allow new sessions.
C. Administrators cannot change the configuration.
D. FortiGate skips quarantine actions.

Answer: CD

NEW QUESTION 64
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. The NetSessionEnum function is used to track user logouts.
C. NetAPI polling can increase bandwidth usage in large networks.
D. The collector agent must search Windows application event logs.

Answer: B

NEW QUESTION 68
Refer to the exhibit.
A routing table is shown

Network	Gateway IP	Interfaces	Distance	Metric	Priority	Type
10.0.11.0/24	0.0.0.0	port4	0	0	0	Connected
10.0.12.0/24	0.0.0.0	port5	0	0	0	Connected
10.0.13.0/24	0.0.0.0	port6	0	0	0	Connected
100.65.0.0/24	0.0.0.0	port2	0	0	0	Connected
100.66.0.0/24	0.0.0.0	port3	0	0	0	Connected
172.20.1.0/24	100.66.0.254	port3	9	0	2	Static
192.168.0.0/16	0.0.0.0	port1	0	0	0	Connected

An administrator wants to create a new static route so the traffic to the subnet 172.20.1.0/24 is routed through port2 only. What are the two criteria that the administrator can use to achieve this objective? (Choose two.)

A. The new static route must have the priority set to 3.
B. The new static route must have the metric set to 1.
C. The existing static route through port3 must have the distance set to 11.
D. The new static route must have the distance set to 9

Answer: CD

NEW QUESTION 70
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