Fortinet

Exam Questions NSE4_FGT-7.2

Fortinet NSE 4 - FortiOS 7.2

NEW QUESTION 1
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
6: Submit attack characteristics now
10: IPS queue length
11: Clear IPS queue length
12: IPS L7 socket statistics
13: IPS session list
14: IPS NTurbo statistics
15: IPSA statistics
...
97: Start all IPS engines
98: Stop all IPS engines
99: Restart all IPS engines and monitor
```

Examine the intrusion prevention system (IPS) diagnostic command shown in the exhibit.
If option 5 is used with the IPS diagnostic command and the outcome is a decrease in the CPU usage, what is the correct conclusion?

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

Answer: B

NEW QUESTION 2
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.

| Exhibit A | Exhibit B |

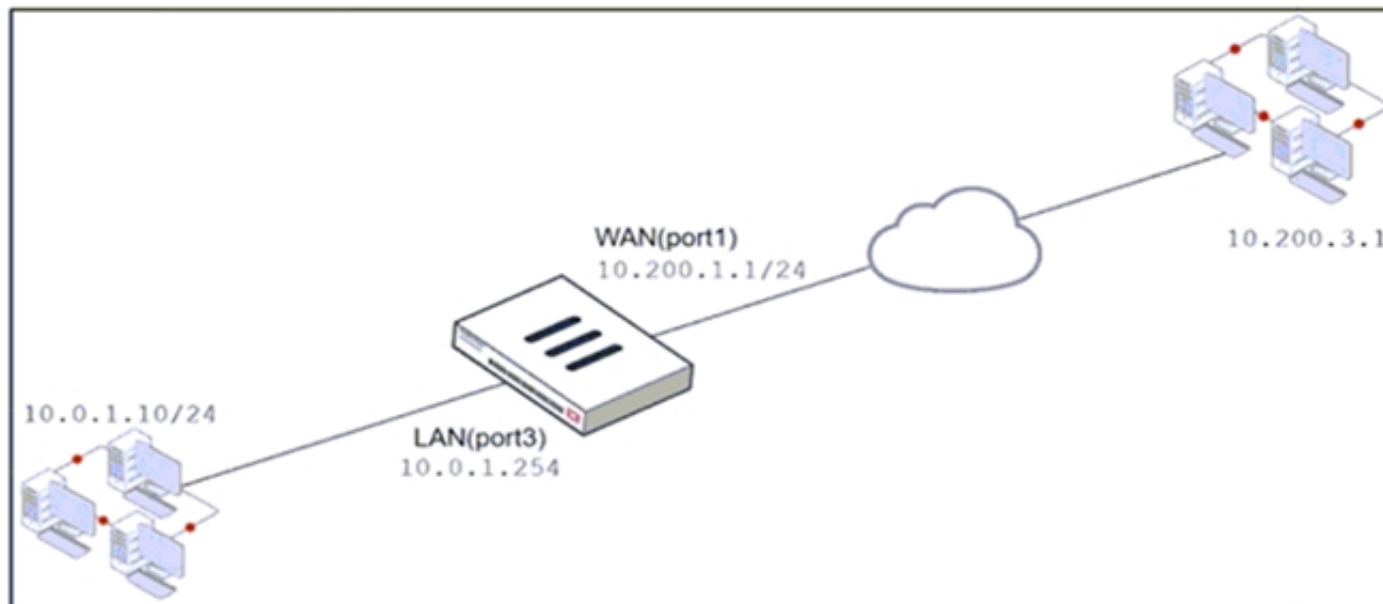| Name	From	To	Source	Destination	Schedule	Service	Action	NAT
WebServer	WAN (port1)	LAN (port3)	all	VIP	always	ALL	✔ ACCEPT	● Enabled

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 3
Which two attributes are required on a certificate so it can be used as a CA certificate on SSL inspection? (Choose two.)

A. The keyUsage extension must be set to keyCertSign.
B. The CA extension must be set to TRUE.
C. The issuer must be a public CA.
D. The common name on the subject field must use a wildcard name.

Answer: AB

NEW QUESTION 4
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 5
What are two benefits of flow-based inspection compared to proxy-based inspection? (Choose two.)

A. FortiGate uses fewer resources.
B. FortiGate performs a more exhaustive inspection on traffic.
C. FortiGate adds less latency to traffic.
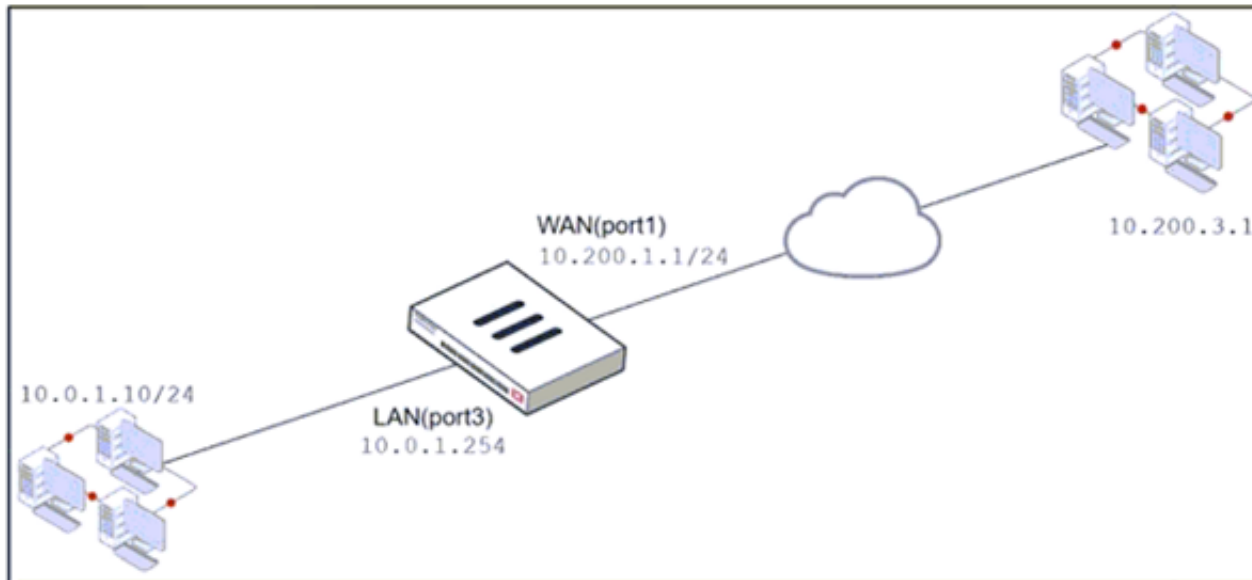D. FortiGate allocates two sessions per connection.

Answer: AC

NEW QUESTION 6
Refer to the exhibits.
The exhibits contain a network diagram, and virtual IP, IP pool, and firewall policies configuration information.

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.
The first firewall policy has NAT enabled using IP pool.
The second firewall policy is configured with a VIP as the destination address.

Which IP address will be used to source NAT (SNAT) the internet traffic coming from a workstation with the IP address 10.0.1.10?

A. 10.200.1.1
B. 10.0.1.254
C. 10.200.1.10
D. 10.200.1.100

Answer: D

NEW QUESTION 7
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 8
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 9
Which two statements are correct about NGFW Policy-based mode? (Choose two.)

A. NGFW policy-based mode does not require the use of central source NAT policy
B. NGFW policy-based mode can only be applied globally and not on individual VDOMs
C. NGFW policy-based mode supports creating applications and web filtering categories directly in afirewall policy
D. NGFW policy-based mode policies support only flow inspection

Answer: CD

NEW QUESTION 10
Which two configuration settings are synchronized when FortiGate devices are in an active-active HA
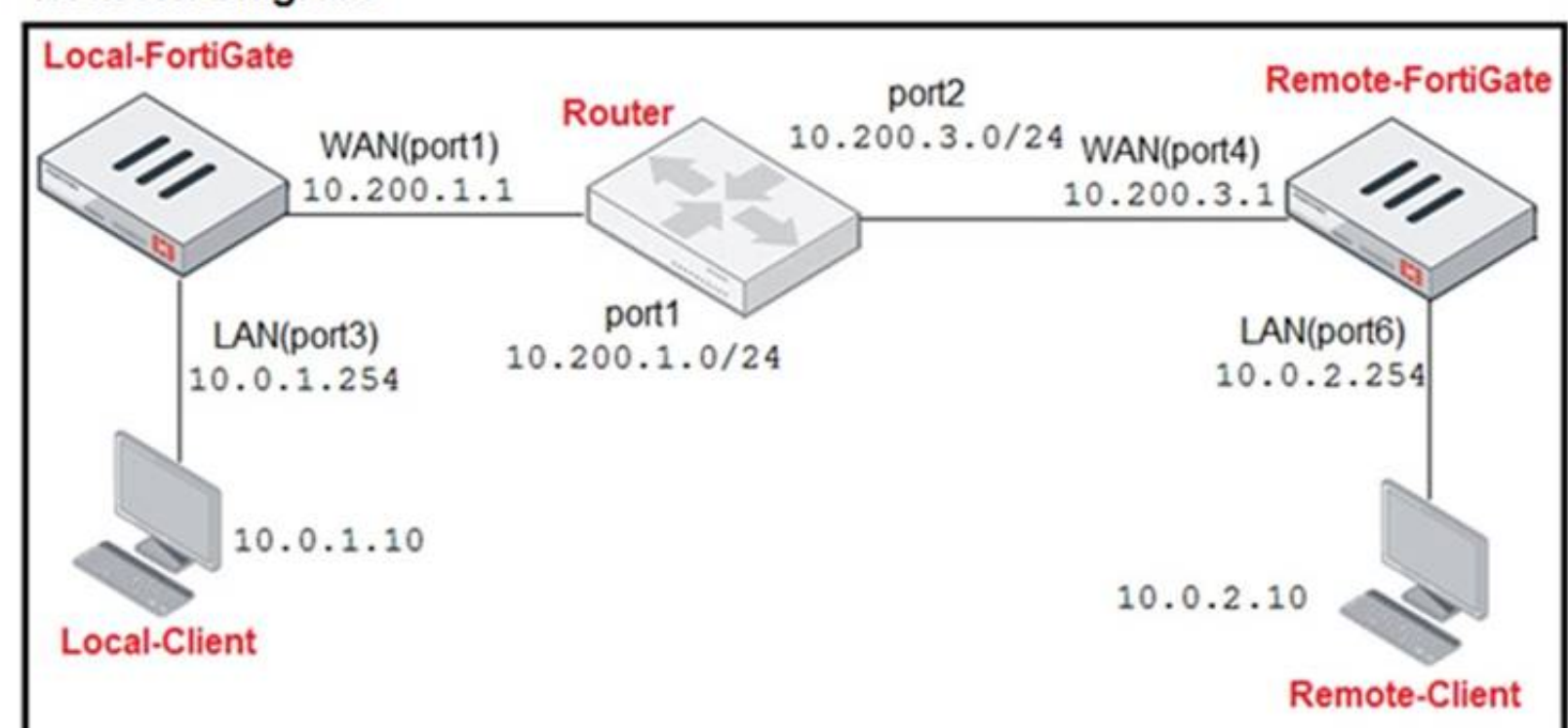cluster? (Choose two.)

A. FortiGuard web filter cache
B. FortiGate hostname
C. NTP
D. DNS

Answer: CD

NEW QUESTION 10
Refer to the exhibit.

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	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 11
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 13
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 18
Which three criteria can a FortiGate use to look for a matching firewall policy to process traffic? (Choose three.)

A. Source defined as Internet Services in the firewall policy.
B. Destination defined as Internet Services in the firewall policy.
C. Highest to lowest priority defined in the firewall policy.
D. Services defined in the firewall policy.
E. Lowest to highest policy ID number.

Answer: ABD

Explanation:
When a packet arrives, how does FortiGate find a matching policy? Each policy has match criteria, which you can define using the following objects:
• Incoming Interface
• Outgoing Interface

• Source: IP address, user, internet services
• Destination: IP address or internet services
• Service: IP protocol and port number
• Schedule: Applies during configured times

NEW QUESTION 22
Which two statements explain antivirus scanning modes? (Choose two.)

A. In proxy-based inspection mode, files bigger than the buffer size are scanned.
B. In flow-based inspection mode, FortiGate buffers the file, but also simultaneously transmits it to the client.
C. In proxy-based inspection mode, antivirus scanning buffers the whole file for scanning, before sending it to the client.
D. In flow-based inspection mode, files bigger than the buffer size are scanned.

Answer: BC

Explanation:
An antivirus profile in full scan mode buffers up to your specified file size limit. The default is 10 MB. That is large enough for most files, except video files. If your FortiGate model has more RAM, you may be able to increase this threshold. Without a limit, very large files could exhaust the scan memory. So, this threshold balances risk and performance. Is this tradeoff unique to FortiGate, or to a specific model? No. Regardless of vendor or model, you must make a choice. This is because of the difference between scans in theory, that have no limits, and scans on real-world devices, that have finite RAM. In order to detect 100% of malware regardless of file size, a firewall would need infinitely large RAM--something that no device has in the real world. Most viruses are very small. This table shows a typical tradeoff. You can see that with the default 10 MB threshold, only 0.01% of viruses pass through.

NEW QUESTION 27
Which three authentication timeout types are availability for selection on FortiGate? (Choose three.)

A. hard-timeout
B. auth-on-demand
C. soft-timeout
D. new-session
E. Idle-timeout

Answer: ADE

Explanation:
https://kb.fortinet.com/kb/documentLink.do?externalID=FD37221

NEW QUESTION 32
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 37
Refer to the exhibits.
The exhibits show a network diagram and firewall configurations.
An administrator created a Deny policy with default settings to deny Webserver access for Remote-User2. Remote-User1 must be able to access the Webserver. Remote-User2 must not be able to access the Webserver.
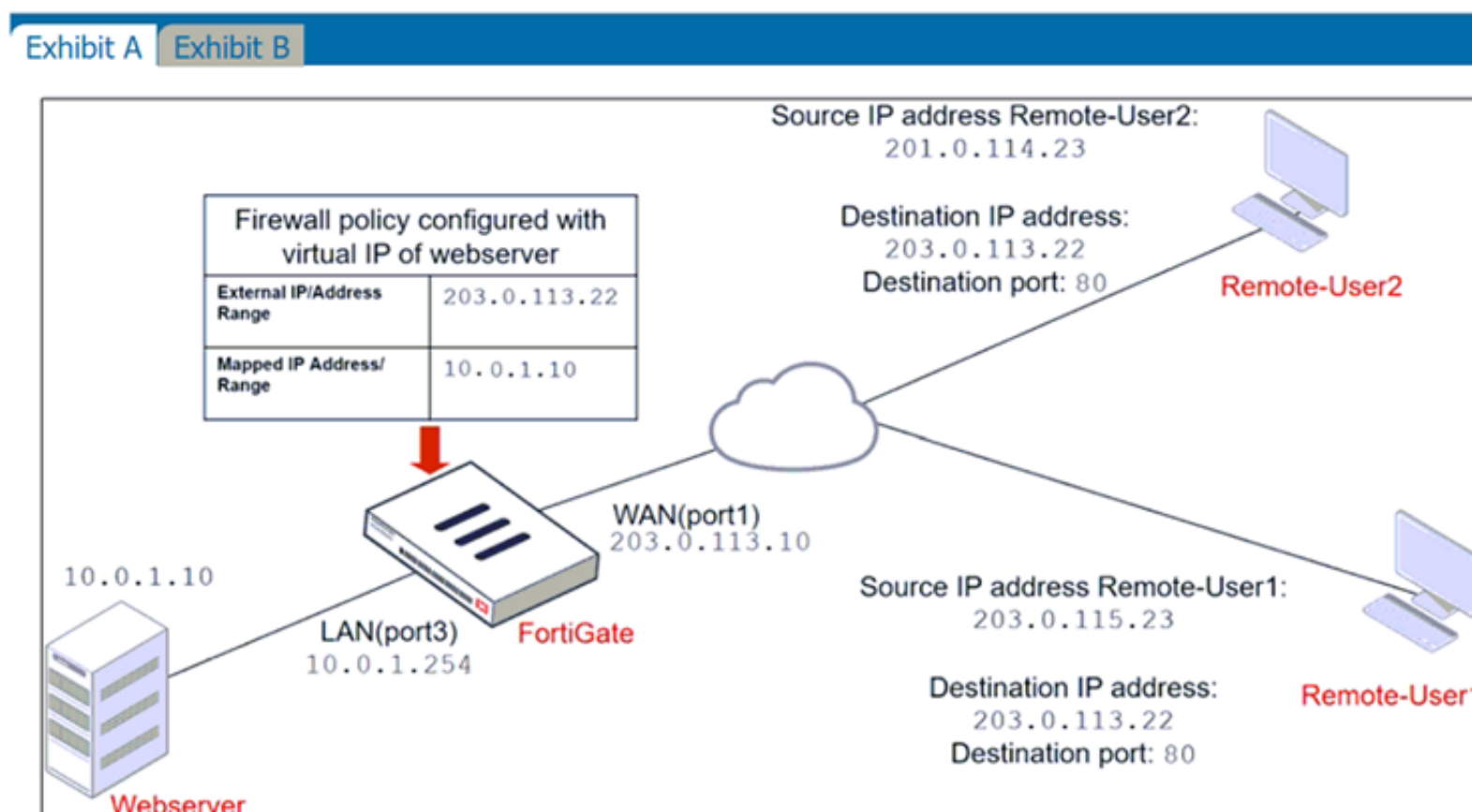
In this scenario, which two changes can the administrator make to deny Webserver access for Remote-User2? (Choose two.)

A. Disable match-vip in the Deny policy.
B. Set the Destination address as Deny_IP in the Allow-access policy.
C. Enable match vip in the Deny policy.
D. Set the Destination address as Web_server in the Deny policy.

Answer: CD

Explanation:
https://community.fortinet.com/t5/FortiGate/Technical-Tip-Firewall-does-not-block-incoming-WAN-to-LAN/ta

NEW QUESTION 38
Refer to the exhibit.

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 42
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 45
You have enabled logging on your FortiGate device for Event logs and all Security logs, and you have set up logging to use the FortiGate local disk . What is the default behavior when the local disk is full?

A. Logs are overwritten and the only warning is issued when log disk usage reaches the threshold of 95%.

B. No new log is recorded until you manually clear logs from the local disk .
C. Logs are overwritten and the first warning is issued when log disk usage reaches the threshold of 75%.
D. No new log is recorded after the warning is issued when log disk usage reaches the threshold of 95%.

Answer: C

NEW QUESTION 49
Which statements about the firmware upgrade process on an active-active HA cluster are true? (Choose two.)

A. The firmware image must be manually uploaded to each FortiGate.
B. Only secondary FortiGate devices are rebooted.
C. Uninterruptable upgrade is enabled by default.
D. Traffic load balancing is temporally disabled while upgrading the firmware.

Answer: CD

NEW QUESTION 50
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 scope of application control to the browser-based technology category only.
B. It limits the scope of application control to scan application traffic based on application category only.
C. It limits the scope of application control to scan application traffic using parent signatures only
D. It limits the scope of application control to scan application traffic on DNS protocol only.

Answer: B

NEW QUESTION 53
A network administrator is troubleshooting an IPsec tunnel between two FortiGate devices. The administrator has determined that phase 1 fails to come up. The administrator has also re-entered the pre-shared key on both FortiGate devices to make sure they match.
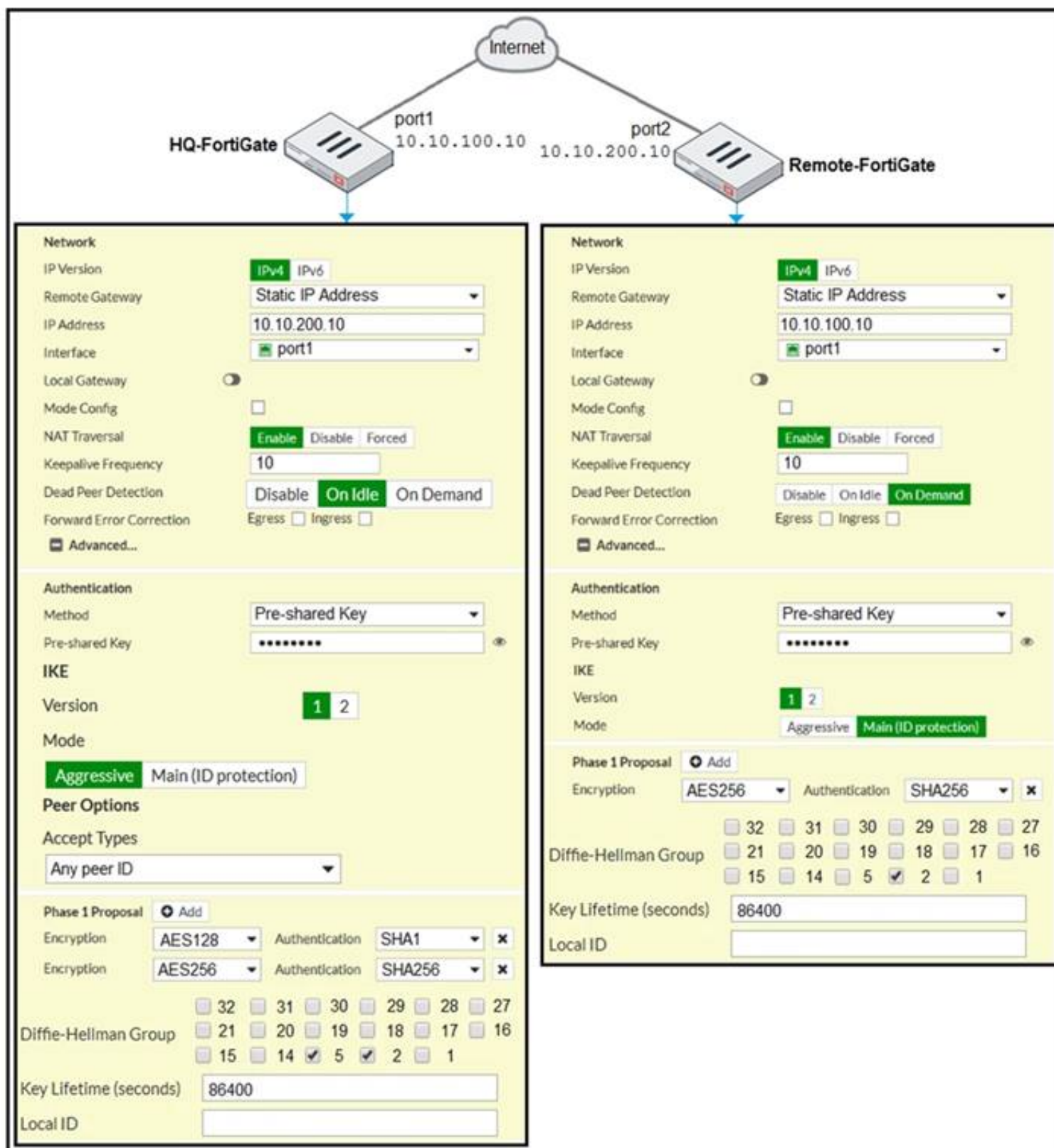
Based on the phase 1 configuration and the diagram shown in the exhibit, which two configuration changes will bring phase 1 up? (Choose two.)

A. On HQ-FortiGate, set IKE mode to Main (ID protection).

B. On both FortiGate devices, set Dead Peer Detection to On Demand.
C. On HQ-FortiGate, disable Diffie-Helman group 2.
D. On Remote-FortiGate, set port2 as Interface.

Answer: AD

NEW QUESTION 54
Which of the following SD-WAN load balancing method use interface weight value to distribute traffic? (Choose two.)

A. Source IP
B. Spillover
C. Volume
D. Session

Answer: CD

Explanation:
https://docs.fortinet.com/document/fortigate/6.0.0/handbook/49719/configuring-sd-wan-load-balancing

NEW QUESTION 57
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