

## Exam Questions NSE4\_FGT-7.2

Fortinet NSE 4 - FortiOS 7.2

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#### NEW QUESTION 1

Which two protocols are used to enable administrator access of a FortiGate device? (Choose two.)

- A. FTM
- B. SSH
- C. HTTPS
- D. FortiTelemetry

**Answer:** BC

#### NEW QUESTION 2

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 3

Which statement is correct regarding the use of application control for inspecting web applications?

- A. Application control can identify child and parent applications, and perform different actions on them.
- B. Application control signatures are organized in a nonhierarchical structure.
- C. Application control does not require SSL inspection to identify web applications.
- D. Application control does not display a replacement message for a blocked web application.

**Answer:** A

#### NEW QUESTION 4

What are two functions of ZTNA? (Choose two.)

- A. ZTNA manages access through the client only.
- B. ZTNA manages access for remote users only.
- C. ZTNA provides a security posture check.
- D. ZTNA provides role-based access.

**Answer:** CD

#### NEW QUESTION 5

A network administrator is configuring a new IPsec VPN tunnel on FortiGate. The remote peer IP address is dynamic. In addition, the remote peer does not support a dynamic DNS update service.

Which type of remote gateway should the administrator configure on FortiGate for the new IPsec VPN tunnel to work?

- A. Pre-shared key
- B. Dialup user
- C. Dynamic DNS
- D. Static IP address

**Answer:** D

#### NEW QUESTION 6

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 7

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 8

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.

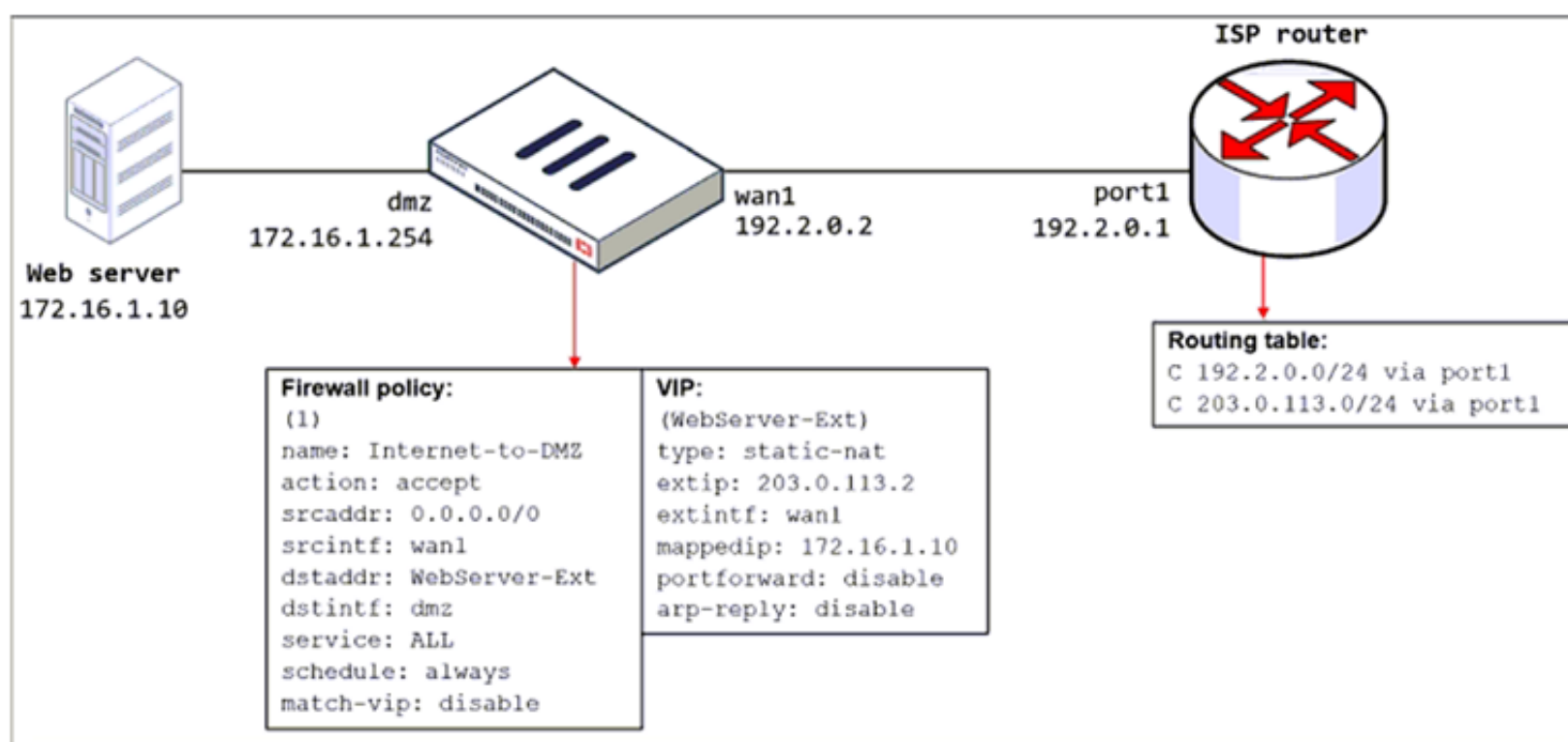
Answer: AD

#### NEW QUESTION 9

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.



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 10

Which two settings are required for SSL VPN to function between two FortiGate devices? (Choose two.)

- A. The client FortiGate requires a manually added route to remote subnets.
- B. The client FortiGate requires a client certificate signed by the CA on the server FortiGate.
- C. The server FortiGate requires a CA certificate to verify the client FortiGate certificate.
- D. The client FortiGate requires the SSL VPN tunnel interface type to connect SSL VPN.

Answer: BC

#### 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 13

Which two inspection modes can you use to configure a firewall policy on a profile-based next-generation firewall (NGFW)? (Choose two.)

- A. Proxy-based inspection
- B. Certificate inspection
- C. Flow-based inspection
- D. Full Content inspection

Answer: AC

### NEW QUESTION 15

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

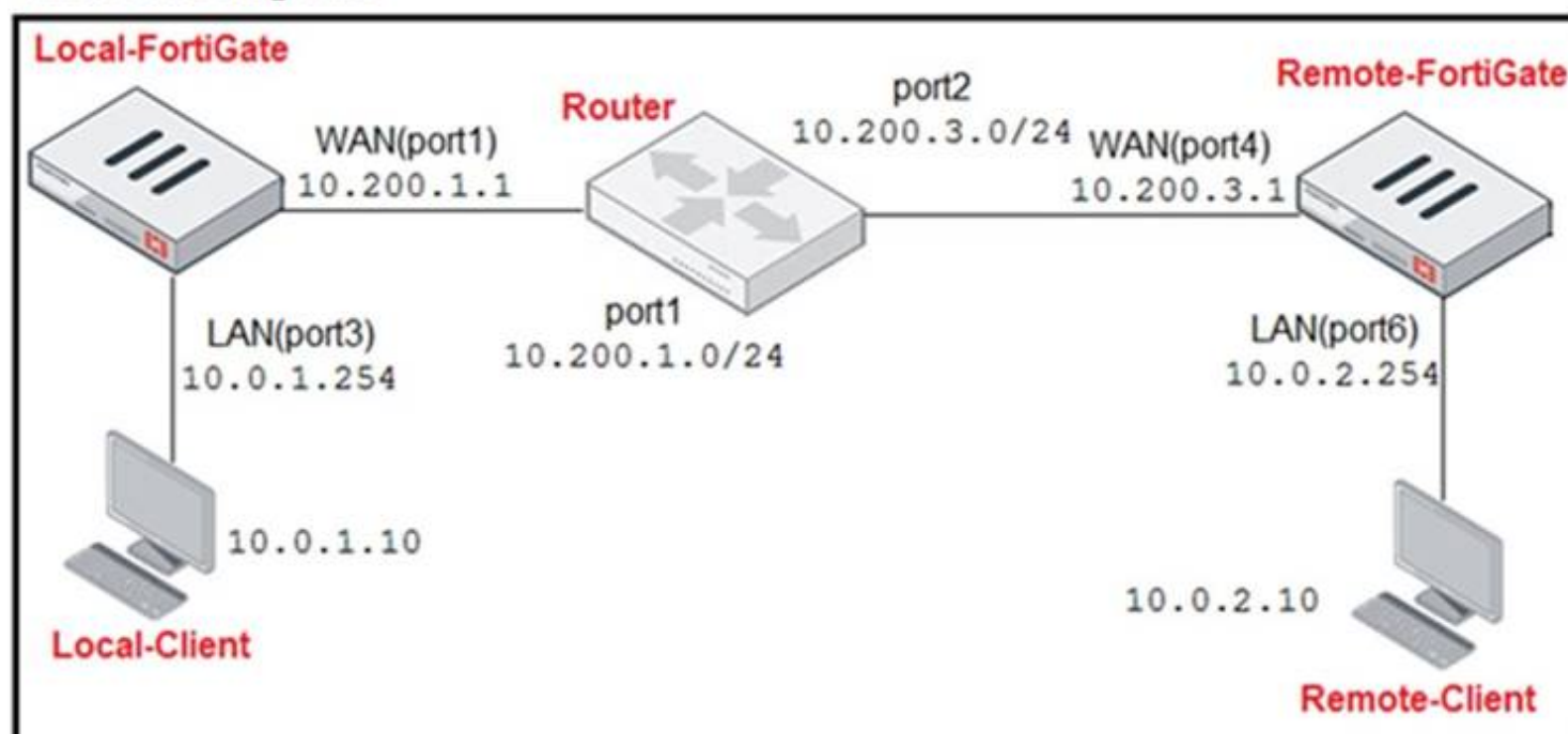
- A. FortiGuard web filter cache
- B. FortiGate hostname
- C. NTP
- D. DNS

Answer: CD

### NEW QUESTION 18

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

<div> <div>+ Create New</div> <div>Edit</div> <div>Clone</div> <div>Delete</div> <div>Search</div> <div>Q</div> </div>			
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 23

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]
S      *>          [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 26

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 30

Refer to the exhibit.

The exhibit shows the output of a diagnose command.

```
# diagnose firewall proute list
list route policy info(vf=root):
id=2130903041(0x7f030001) vwl_service=1(Critical-DIA) vwl_mbr_seq=1 2 dscp_tag=0xff 0xff
flags=0x0 tos=0x00 tos_mask=0x00 protocol=0 sport=0-65535 iif=0 dport=1-65535 path(2)
oif=3(port1) oif=4(port2)
source(1): 10.0.1.0-10.0.1.255
destination wildcard(1): 0.0.0.0/0.0.0.0
internet service(3): GoToMeeting(4294836966,0,0,0, 16354)
Microsoft.Office.365.Portal(4294837474,0,0,0, 41468) Salesforce(4294837976,0,0,0, 16920)
hit_count=0 last_used=2022-02-23 05:46:43
```

What does the output reveal about the policy route?

- A. It is an ISDB route in policy route.
- B. It is a regular policy route.
- C. It is an ISDB policy route with an SDWAN rule.
- D. It is an SDWAN rule in policy route.

Answer: C

### NEW QUESTION 33

Refer to the exhibit.

Name	Severity	Target	OS	Action	CVE-ID
IPS Signature 1					
FTP.Login.Failed		Server	All	Pass	

Review the Intrusion Prevention System (IPS) profile signature settings. Which statement is correct in adding the FTP.Login.Failed signature to the IPS sensor profile?

- A. The signature setting uses a custom rating threshold.
- B. The signature setting includes a group of other signatures.
- C. Traffic matching the signature will be allowed and logged.
- D. Traffic matching the signature will be silently dropped and logged.

**Answer:** D

**Explanation:**

Action is drop, signature default action is listed only in the signature, it would only match if action was set to default.

**NEW QUESTION 37**

Which of the following statements about central NAT are true? (Choose two.)

- A. IP tool references must be removed from existing firewall policies before enabling central NAT .
- B. Central NAT can be enabled or disabled from the CLI only.
- C. Source NAT, using central NAT, requires at least one central SNAT policy.
- D. Destination NAT, using central NAT, requires a VIP object as the destination address in a firewall.

**Answer:** AB

**NEW QUESTION 38**

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 40**

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 42**

Refer to the exhibit.

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 configuration change will bring phase 2 up?

- A. On Remote-FortiGate, set Seconds to 43200.
- B. On HQ-FortiGate, set Encryption to AES256.
- C. On HQ-FortiGate, enable Diffie-Hellman Group 2.
- D. On HQ-FortiGate, enable Auto-negotiate.

**Answer: B**

#### NEW QUESTION 47

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 52

An administrator has configured a strict RPF check on FortiGate. Which statement is true about the strict RPF check?

- A. The strict RPF check is run on the first sent and reply packet of any new session.
- B. Strict RPF checks the best route back to the source using the incoming interface.
- C. Strict RPF checks only for the existence of at least one active route back to the source using the incoming interface.
- D. Strict RPF allows packets back to sources with all active routes.

**Answer: C**

#### NEW QUESTION 53

An administrator configures FortiGuard servers as DNS servers on FortiGate using default settings. What is true about the DNS connection to a FortiGuard server?

- A. It uses UDP 8888.
- B. It uses UDP 53.
- C. It uses DNS over HTTPS.
- D. It uses DNS over TLS.

**Answer: B**

#### NEW QUESTION 57

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 58

An administrator has configured two-factor authentication to strengthen SSL VPN access. Which additional best practice can an administrator implement?

- A. Configure Source IP Pools.
- B. Configure split tunneling in tunnel mode.
- C. Configure different SSL VPN realms.
- D. Configure host check .

**Answer:** D

#### NEW QUESTION 62

Which three options are the remote log storage options you can configure on FortiGate? (Choose three.)

- A. FortiCache
- B. FortiSIEM
- C. FortiAnalyzer
- D. FortiSandbox
- E. FortiCloud

**Answer:** BCE

#### NEW QUESTION 67

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 70

Refer to the exhibits.  
 Exhibit A.

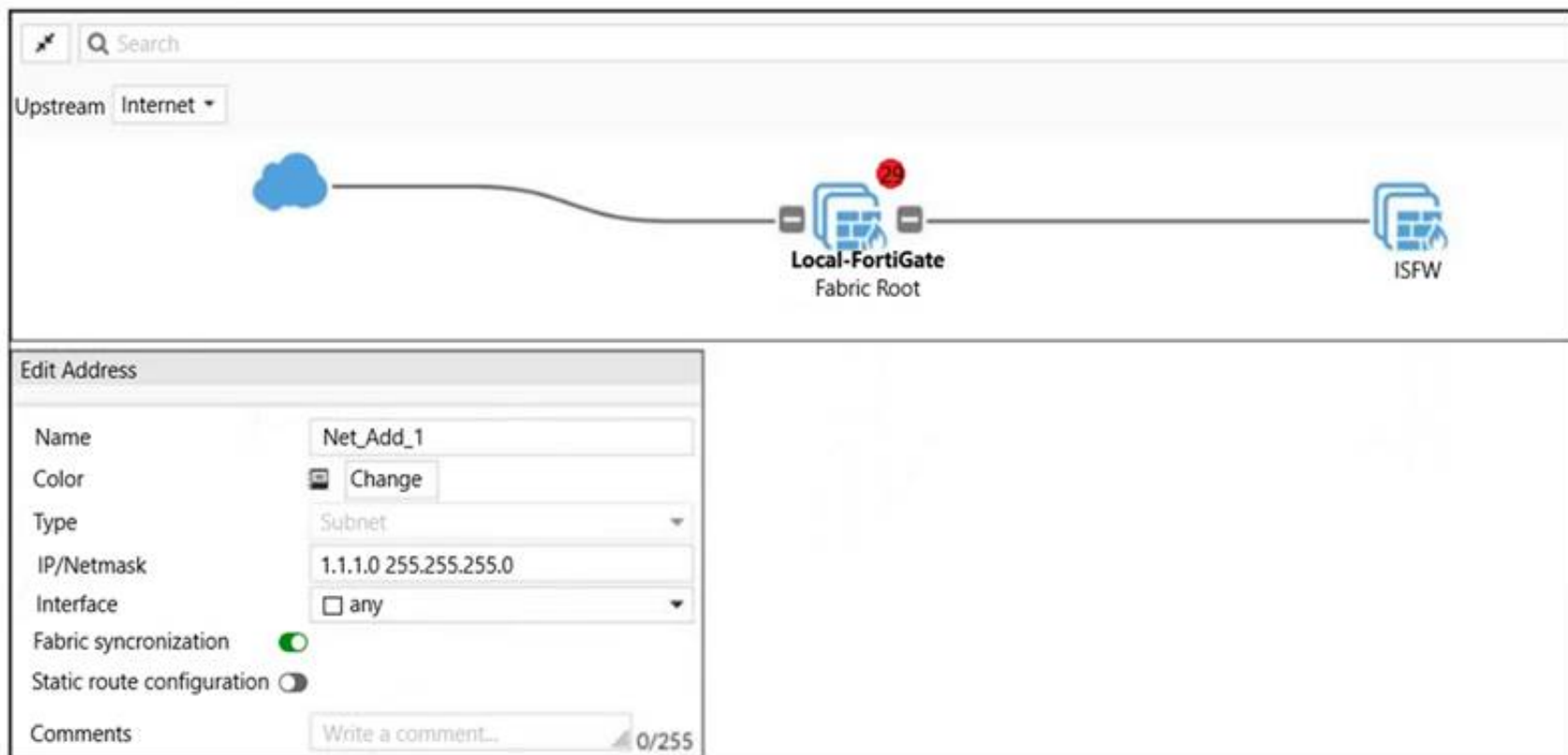


Exhibit B.

```
Local-FortiGate # show full-configuration system csf
config system csf
    set status enable
    set upstream-ip 0.0.0.0
    set upstream-port 8013
    set group-name "fortinet"
    set group-password ENC X18CtzrcUBUq9yz9nryP+YfM16
    BJkv7S/trtoh2gYAe5CH8YMAa0GT18aX+/dKH/o5izw1ZEoN1QN2N
    FGLT4r5z2AyYI8i1PxutiLcsCp1AdZadv1CxDe66IdLX7I6o22J9P
    set accept-auth-by-cert enable
    set log-unification enable
    set authorization-request-type serial
    set fabric-workers 2
    set downstream-access disable
    set configuration-sync default
    set fabric-object-unification local
    set saml-configuration-sync default
end
```

```
ISFW # show full-configuration system csf
config system csf
    set status enable
    set upstream-ip 10.0.1.254
    set upstream-port 8013
    set group-name ''
    set accept-auth-by-cert enable
    set log-unification enable
    set authorization-request-type serial
    set fabric-workers 2
    set downstream-access disable
    set configuration-sync default
    set saml-configuration-sync default
end

ISFW #
ISFW #
```

An administrator creates a new address object on the root FortiGate (Local-FortiGate) in the security fabric. After synchronization, this object is not available on the downstream FortiGate (ISFW).

What must the administrator do to synchronize the address object?

- A. Change the csf setting on Local-FortiGate (root) to set configuration-sync local.
- B. Change the csf setting on ISFW (downstream) to set configuration-sync local.
- C. Change the csf setting on Local-FortiGate (root) to set fabric-object-unification default.
- D. Change the csf setting on ISFW (downstream) to set fabric-object-unification default.

Answer: C

NEW QUESTION 71

When configuring a firewall virtual wire pair policy, which following statement is true?

- A. Any number of virtual wire pairs can be included, as long as the policy traffic direction is the same.
- B. Only a single virtual wire pair can be included in each policy.
- C. Any number of virtual wire pairs can be included in each policy, regardless of the policy traffic direction settings.
- D. Exactly two virtual wire pairs need to be included in each policy.

Answer: A

NEW QUESTION 74

Which of the following are valid actions for FortiGuard category based filter in a web filter profile ui proxy-based inspection mode? (Choose two.)

- A. Warning
- B. Exempt
- C. Allow
- D. Learn

Answer: AC

NEW QUESTION 78

Refer to exhibit.

An administrator configured the web filtering profile shown in the exhibit to block access to all social networking sites except Twitter. However, when users try to access twitter.com, they are redirected to a FortiGuard web filtering block page.

NameAllow\_Twitter

CommentsWrite a comment...0/255

Feature setFlow-basedProxy-based

FortiGuard Category Based Filter

Allow

Monitor

Block

Warning

Authenticate

Name	Action
Medicine	Allow
News and Media	Allow
Social Networking	Block
Political Organizations	Allow
Reference	Allow
Global Religion	Allow
Shopping	Allow
Society and Lifestyles	Allow
Sports	Allow

Static URL Filter

Block invalid URLs

URL Filter

Create New

Edit

Delete

Search

URL	Type	Action	Status
twitter.com	Wildcard	Allow	Enable

Block malicious URLs discovered by FortiSandbox

Content Filter

Based on the exhibit, which configuration change can the administrator make to allow Twitter while blocking all other social networking sites?

- A. On the FortiGuard Category Based Filter configuration, set Action to Warning for Social Networking
- B. On the Static URL Filter configuration, set Type to Simple
- C. On the Static URL Filter configuration, set Action to Exempt.
- D. On the Static URL Filter configuration, set Action to Monitor.

Answer: C

NEW QUESTION 83

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 86

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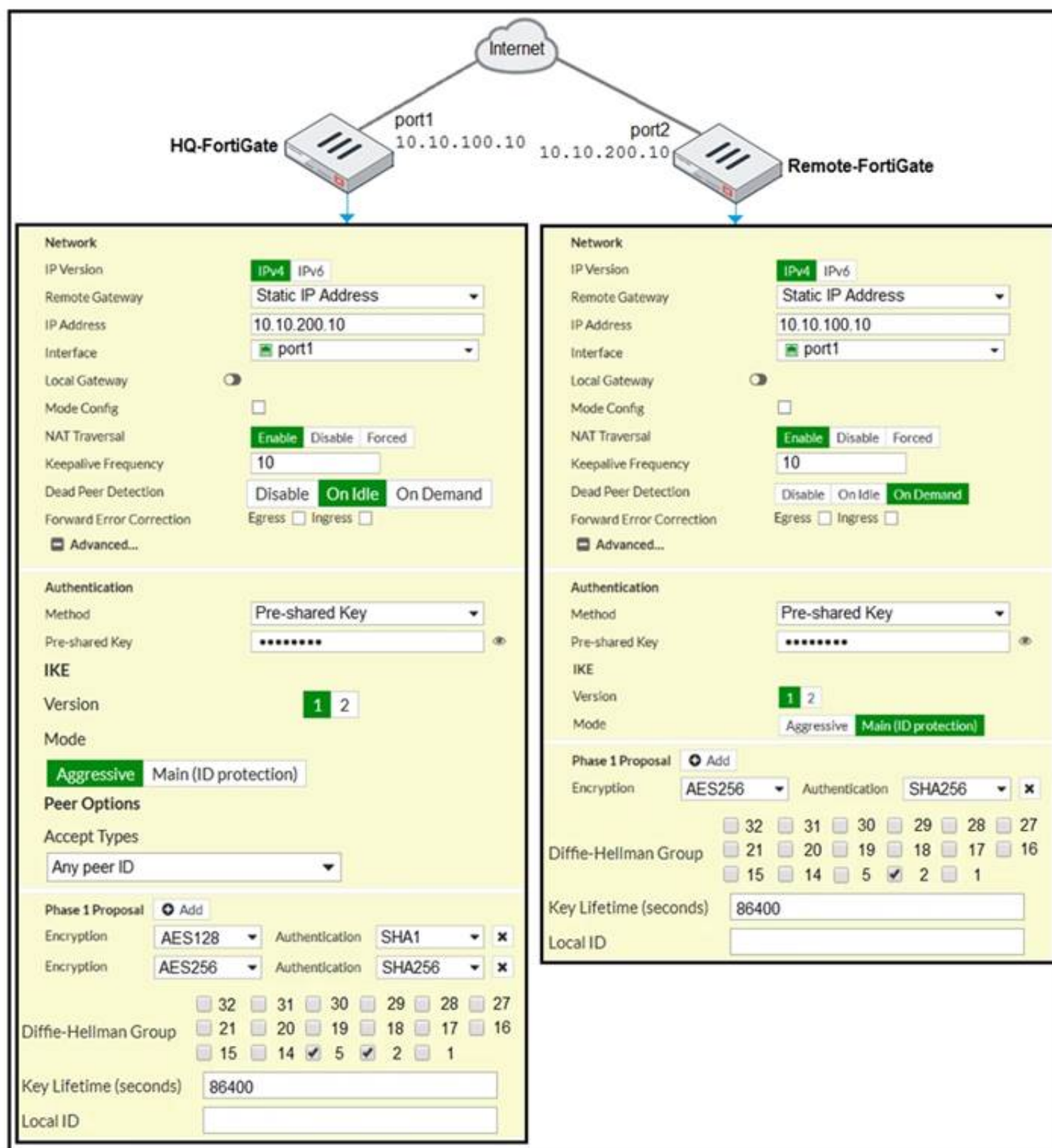
Which CLI command will display sessions both from client to the proxy and from the proxy to the servers?

- A. diagnose wad session list
- B. diagnose wad session list | grep hook-pre&&hook-out
- C. diagnose wad session list | grep hook=pre&&hook=out
- D. diagnose wad session list | grep "hook=pre"&"hook=out"

Answer: A

### NEW QUESTION 89

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-Hellman group 2.
- D. On Remote-FortiGate, set port2 as Interface.

Answer: AD

### NEW QUESTION 92

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