

Exam Questions NSE4_FGT-7.2

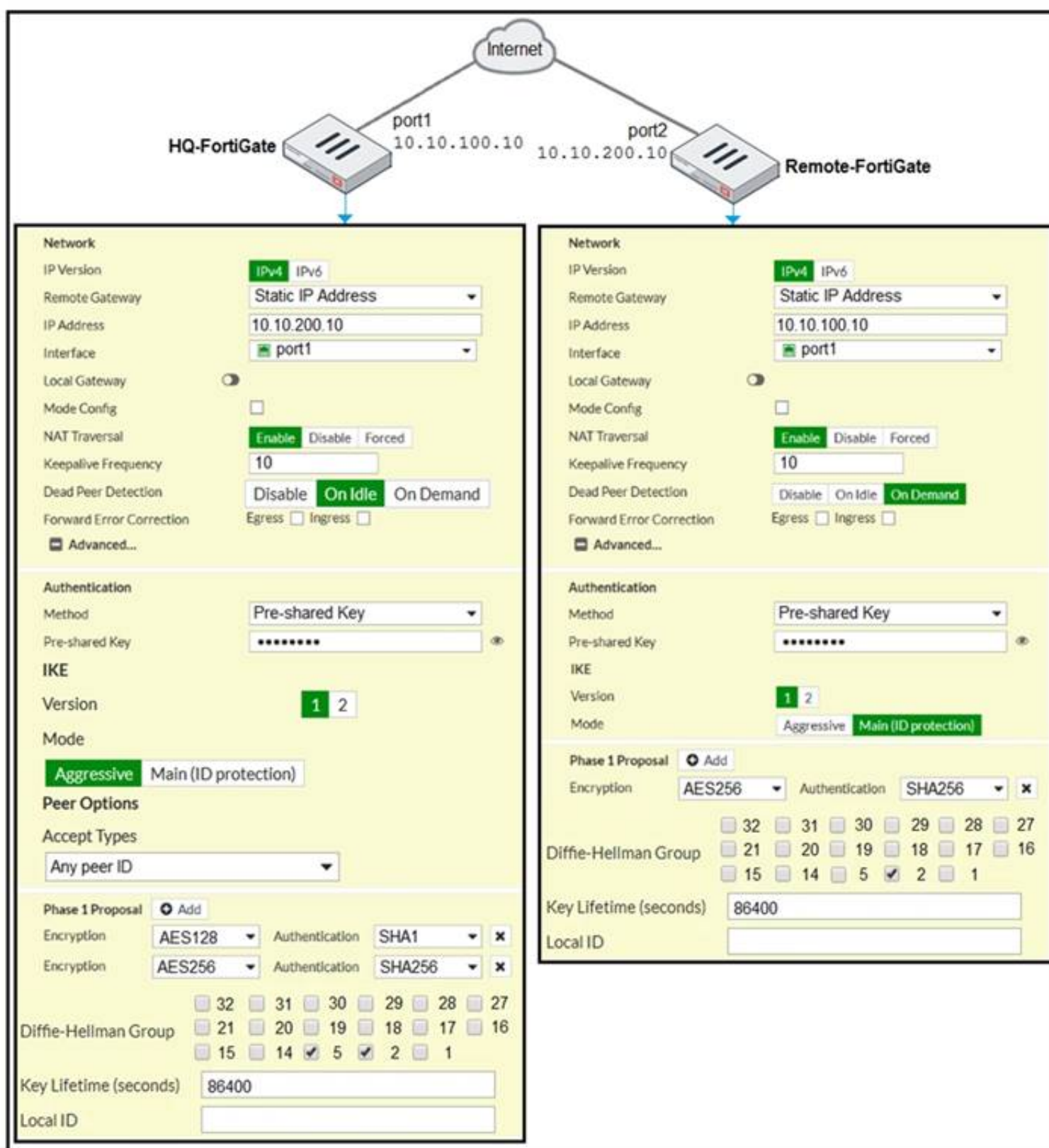
Fortinet NSE 4 - FortiOS 7.2

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



NEW QUESTION 1

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 2

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 3

Which statement about the IP authentication header (AH) used by IPsec is true?

- A. AH does not provide any data integrity or encryption.
- B. AH does not support perfect forward secrecy.
- C. AH provides data integrity but no encryption.
- D. AH provides strong data integrity but weak encryption.

Answer: C

NEW QUESTION 4

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 5

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 6

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 7

Refer to the exhibit.



An administrator has configured a performance SLA on FortiGate, which failed to generate any traffic. Why is FortiGate not sending probes to 4.2.2.2 and 4.2.2.1 servers? (Choose two.)

- A. The Detection Mode setting is not set to Passive.
- B. Administrator didn't configure a gateway for the SD-WAN members, or configured gateway is not valid.
- C. The configured participants are not SD-WAN members.
- D. The Enable probe packets setting is not enabled.

Answer: BD

NEW QUESTION 8

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

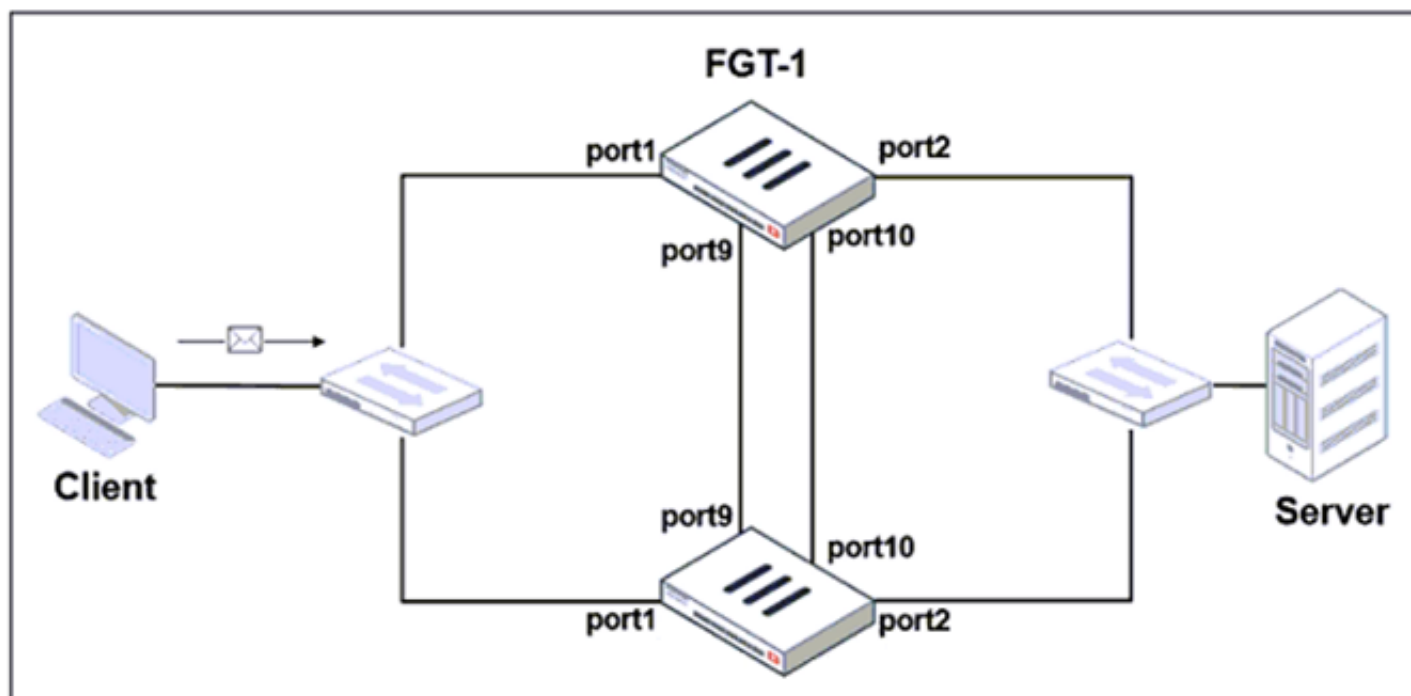


Exhibit A Exhibit B

```
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 9

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

Edit Policy

Inspection Mode

Flow-based
Proxy-based

Firewall / Network Options

NAT
☒

IP Pool Configuration

Use Outgoing Interface Address
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
Monitor

Feature set

Flow-based
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 10

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?

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

Answer: B

NEW QUESTION 10

Refer to the exhibit, which contains a session diagnostic output.

```
session info: proto=17 proto_state=01 duration=254 expire=179 timeout=0 flags=00000000 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=/ helper=dns-udp vlan_cos=0/255
state=log may_dirty f00 log-start
statistic(bytes/packets/allow_err): org=1420/22/1 reply=5678/22/1 tuples=2
tx speed(Bps/kbps): 5/0 rx speed(Bps/kbps): 22/0
origin->sink: org pre->post, reply pre->post dev=5->3/3->5 gwy=10.200.1.254/10.0.1.200
hook=post dir=org act=snat 10.0.1.200:2486->208.91.112.53:53(10.200.1.1:62902)
hook=pre dir=reply act=dnat 208.91.112.53:53->10.200.1.1:62902(10.0.1.200:2486)
misc=0 policy_id=3 auth_info=0 chk_client_info=0 vd=0
serial=0001fc1e tos=ff/ff app_list=0 app=0 url_cat=0
rpd_b_link_id= 00000000 rpd_b_svc_id=0 ngfwid=n/a
npu_state=0x040000
```

Which statement is true about the session diagnostic output?

- The session is a UDP unidirectional state.
- The session is in TCP ESTABLISHED state.
- The session is a bidirectional UDP connection.
- The session is a bidirectional TCP connection.

Answer: C

Explanation:

https://kb.fortinet.com/kb/viewContent.do?externalId=FD30042

NEW QUESTION 11

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 13

Which statement about video filtering on FortiGate is true?

- A. Full SSL Inspection is not required.
- B. It is available only on a proxy-based firewall policy.
- C. It inspects video files hosted on file sharing services.
- D. Video filtering FortiGuard categories are based on web filter FortiGuard categories.

Answer: B

NEW QUESTION 15

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 17

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 19

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 23

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 28

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 32

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 35

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 36

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 a firewall policy
- D. NGFW policy-based mode policies support only flow inspection

Answer: CD

NEW QUESTION 37

An administrator has configured the following settings:

```
config system settings
set ses-denied-traffic enable
end
config system global
set block-session-timer 30
end
```

What are the two results of this configuration? (Choose two.)

- A. Device detection on all interfaces is enforced for 30 minutes.
- B. Denied users are blocked for 30 minutes.
- C. The number of logs generated by denied traffic is reduced.
- D. A session for denied traffic is created.

Answer: AC

NEW QUESTION 42

Refer to the exhibits.

The exhibits show the SSL and authentication policy (Exhibit A) and the security policy (Exhibit B) for Facebook.

Users are given access to the Facebook web application. They can play video content hosted on Facebook, but they are unable to leave reactions on videos or other types of posts.

Exhibit A Exhibit B

Edit Policy

Name	Facebook SSL Inspection
Incoming Interface	port2
Outgoing Interface	port1
Source	all
Destination	all
Service	ALL

Firewall / Network Options

Central NAT is enabled so NAT settings from matching [Central SNAT policies](#) will be applied.

Security Profiles

SSL Inspection SSL certificate-inspection

Exhibit A Exhibit B

Edit Policy

Name	Facebook Access
Policy Mode	Standard Learn Mode
Incoming Interface	port2
Outgoing Interface	port1
Source	all
Destination	all
Schedule	always
Service	App Default Specify
Application	Facebook Facebook_Like.Button Facebook_Video.Play
URL Category	
Action	ACCEPT DENY

Firewall/Network Options

Protocol Options PROT default

Which part of the policy configuration must you change to resolve the issue?

- A. Force access to Facebook using the HTTP service.
- B. Make the SSL inspection a deep content inspection.
- C. Add Facebook in the URL category in the security policy.
- D. Get the additional application signatures required to add to the security policy.

Answer: B

NEW QUESTION 45

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 48

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 51

A network administrator wants to set up redundant IPsec VPN tunnels on FortiGate by using two IPsec VPN tunnels and static routes.

All traffic must be routed through the primary tunnel when both tunnels are up. The secondary tunnel must be used only if the primary tunnel goes down. In addition, FortiGate should be able to detect a dead tunnel to speed up tunnel failover.

Which two key configuration changes must the administrator make on FortiGate to meet the requirements? (Choose two.)

- A. Configure a higher distance on the static route for the primary tunnel, and a lower distance on the static route for the secondary tunnel.
- B. Configure a lower distance on the static route for the primary tunnel, and a higher distance on the static route for the secondary tunnel.
- C. Enable Auto-negotiate and Autokey Keep Alive on the phase 2 configuration of both tunnels.
- D. Enable Dead Peer Detection.

Answer: AD

NEW QUESTION 56

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 61

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 64

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 68

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