

# NSE4\_FGT-6.0<sup>Q&As</sup>

Fortinet NSE 4 - FortiOS 6.0

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### QUESTION 1

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 does the configuration do? (Choose two.)

- A. Reduces the amount of logs generated by denied traffic.
- B. Enforces device detection on all interfaces for 30 minutes.
- C. Blocks denied users for 30 minutes.
- D. Creates a session for traffic being denied.

Correct Answer: CD

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### QUESTION 2

Which is the correct description of a hash result as it relates to digital certificates?

- A. A unique value used to verify the input data
- B. An output value that is used to identify the person or device that authored the input data.
- C. An obfuscation used to mask the input data.
- D. An encrypted output value used to safe-guard the input data

Correct Answer: A

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### QUESTION 3

An administrator is investigating a report of users having intermittent issues with browsing the web. The administrator ran diagnostics and received the output shown in the exhibit.

```
# diagnose sys session stat
misc info: session_count=16 setup_rate=0 exp_count=0 clash=889
memory_tension_drop=0 ephemeral=1/16384 removeable=3
delete=0, flush=0, dev_down=16/69
firewall error stat:
error1=00000000
error2=00000000
error3=00000000
error4=00000000
tt=00000000
cont=0005e722
ids_rcv=000fdc94
url_rcv=00000000
av_rcv=001fee47
fqdn_count=00000000
tcp_reset stat: syncqf=119 acceptqf=0 no-listener=3995 data=0 ses=2 ips=0
global: ses_limit=0 ses6_limit=0 rt_limit=0 rt6_limit=0
```

Examine the diagnostic output shown exhibit. Which of the following options is the most likely cause of this issue?

- A. NAT port exhaustion
- B. High CPU usage
- C. High memory usage
- D. High session timeout value

Correct Answer: A

#### QUESTION 4

An administrator has configured a dialup IPsec VPN with XAuth. Which statement best describes what occurs during this scenario?

- A. Phase 1 negotiations will skip preshared key exchange.
- B. Only digital certificates will be accepted as an authentication method in phase 1.C
- C. Dialup clients must provide a username and password for authentication.
- D. Dialup clients must provide their local ID during phase 2 negotiations.

Correct Answer: C

#### QUESTION 5

Examine the routing database shown in the exhibit, and then answer the following question:

```

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
    
```

Which of the following 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.

Correct Answer: AD

**QUESTION 6**

View the following exhibit, which shows the firewall policies and the object uses in the firewall policies.

Address Object		
Name	Type	Details
+ Address 24		
all	Subnet	0.0.0.0/0
facebook.com	FQDN	facebook.com
LOCAL_WINDOWS	Subnet	10.0.1.10/32

Internet Service Object					
Name 0	Reputation0	Direction0	Protocol 0	Port 0	Number of Ethernet 0
+ Internet Service Database 285					
Facebook.Web 4		Both	TCP	80	8.322
				443	

ID	From	To	Source	Destination	Schedule	Service	Action	NAT
2	port3	port1	LOCAL_WINDOWS	facebook.com	always	All_UDP	Accept	Enabled
3	port1	port3	facebook.com	facebook.com	always	All_UDP	Accept	Enabled
4	port4	port1	LOCAL_WINDOWS	all	always	DNS HTTP HTTPS	Accept	Enabled
5	port3	port1	LOCAL_WINDOWS	Facebook.Web	always		Accept	Enabled
1	port3	port1	all	all	always	All	Accept	Enabled

The administrator is using the Policy Lookup feature and has entered the search criteria shown in the following exhibit.

**Policy Lookup**

Policy Lookup

Source Interface: port3

Protocol: TCP

Source: 10.0.1.10

Source Port: Optional (1-65535)

Destination: facebook.com

Destination Port: 443

Which of the following will be highlighted based on the input criteria?

- A. Policy with ID1.
- B. Policies with ID 2 and 3.
- C. Policy with ID 5.
- D. Policy with ID 4.

Correct Answer: A

**QUESTION 7**

Which statements about a One-to-One IP pool are true? (Choose two.)



- A. It is used for destination NAT.
- B. It allows the fixed mapping of an internal address range to an external address range.
- C. It does not use port address translation.
- D. It allows the configuration of ARP replies.

Correct Answer: CD

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#### **QUESTION 8**

Which one of the following processes is involved in updating IPS from FortiGuard?

- A. FortiGate IPS update requests are sent using UDP port 443.
- B. Protocol decoder update requests are sent to service.fortiguard.net.
- C. IPS signature update requests are sent to update.fortiguard.net.
- D. IPS engine updates can only be obtained using push updates.

Correct Answer: C

---

#### **QUESTION 9**

Which of the following statements about backing up logs from the CLI and downloading logs from the GUI are true? (Choose two.)

- A. Log downloads from the GUI are limited to the current filter view
- B. Log backups from the CLI cannot be restored to another FortiGate.
- C. Log backups from the CLI can be configured to upload to FTP as a scheduled time
- D. Log downloads from the GUI are stored as LZ4 compressed files.

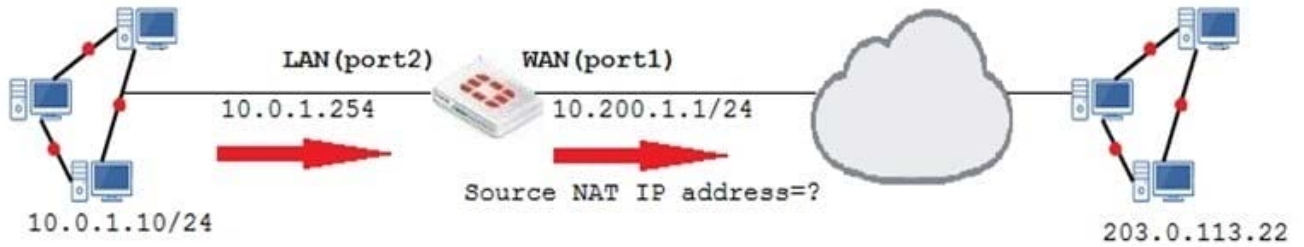
Correct Answer: BC

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#### **QUESTION 10**

Examine the exhibit, which contains a virtual IP and firewall policy configuration.

Network Diagram



Name:  0/255

Comments:

Color:

---

Network

Interface:

Type: Static NAT

External IP Address/Range:  -

Mapped IP Address/Range:  -

Optional Filters:

Port Forwarding:

## Firewall Policies

ID	Name	Source	Destination	Schedule	Service	Action	NAT
<span>LAN(port2) → WAN(port1) 1</span>							
1	Full_Access	all	all	always	ALL	ACCEPT	Enabled
<span>LAN(port 1) → WAN(port 2) 1</span>							
2	WebServer	all	VIP	always	ALL	ACCEPT	Disabled

The WAN (port1) interface has the IP address 10.200.1.1/24. The LAN (port2) interface has the IP address

10.0.1.254/24.

The first firewall policy has NAT enabled on the outgoing interface address. The second firewall policy is configured with a VIP as the destination address.

Which IP address will be used to source NAT the Internet traffic coming from a workstation with the IP address 10.0.1.10/24?

- A. 10.200.1.10
- B. Any available IP address in the WAN (port1) subnet 10.200.1.0/24
- C. 10.200.1.1
- D. 10.0.1.254

Correct Answer: C

**QUESTION 11**

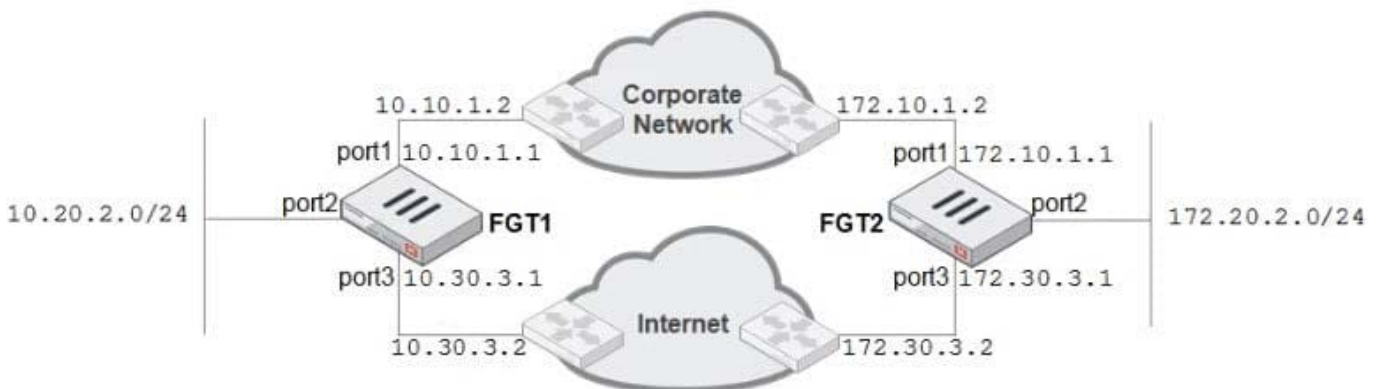
The FSSO Collector Agent set to advanced access mode for the Windows Active Directory uses which of the following?

- A. LDAP convention
- B. NTLM convention
- C. Windows convention ?NetBios\Username
- D. RSSO convention

Correct Answer: A

**QUESTION 12**

Examine the network diagram shown in the exhibit, and then answer the following question:



A firewall administrator must configure equal cost multipath (ECMP) routing on FGT1 to ensure both port1 and port3 links are used at the same time for all traffic destined for 172.20.2.0/24. Which of the following static routes will satisfy this requirement on FGT1? (Choose two.)



- A. 172.20.2.0/24 (1/0) via 10.10.1.2, port1 [0/0]
- B. 172.20.2.0/24 (25/0) via 10.30.3.2, port3 [5/0]
- C. 172.20.2.0/24 (25/0) via 10.10.1.2, port1 [5/0]
- D. 172.20.2.0/24 (1/150) via 10.30.3.2, port3 [10/0]

Correct Answer: BC

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### QUESTION 13

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.

Correct Answer: D

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### QUESTION 14

Which of the following statements are best practices for troubleshooting FSSO? (Choose two.)

- A. Include the group of guest users in a policy.
- B. Extend timeout timers.
- C. Guarantee at least 34 Kbps bandwidth between FortiGate and domain controllers.
- D. Ensure all firewalls allow the FSSO required ports.

Correct Answer: AD

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### QUESTION 15

An administrator is running the following sniffer command:

```
diagnose sniffer packet any "host 10.0.2.10" 3
```

What information will be included in the sniffer output? (Choose three.)

- A. IP header
- B. Ethernet header
- C. Packet payload

D. Application header

E. Interface name

Correct Answer: ABC

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