

# Fortinet

## Exam Questions NSE4\_FGT-7.0

Fortinet NSE 4 - FortiOS 7.0



### NEW QUESTION 1

- (Exam Topic 1)

Refer to the exhibit.

The exhibit contains the configuration for an SD-WAN Performance SLA, as well as the output of diagnose sys virtual-wan-link health-check. Which interface will be selected as an outgoing interface?

- A. port2
- B. port4
- C. port3
- D. port1

**Answer:** D

**Explanation:**

Port 1 shows the lowest latency.

### NEW QUESTION 2

- (Exam Topic 1)

An administrator wants to configure timeouts for users. Regardless of the user's behavior, the timer should start as soon as the user authenticates and expire after the configured value.

Which timeout option should be configured on FortiGate?

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

**Answer:** E

**Explanation:**

Reference: <https://kb.fortinet.com/kb/documentLink.do?externalID=FD37221#:~:text=Hard%20timeout%3A%20User%20>

### NEW QUESTION 3

- (Exam Topic 1)

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

**Explanation:**

Reference:

<https://docs.fortinet.com/document/fortigate/6.0.0/handbook/265052/logging-and-reporting-overview>

#### NEW QUESTION 4

- (Exam Topic 1)

Which two statements about FortiGate FSSO agentless polling mode are true? (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:** BD

#### Explanation:

Reference: <https://kb.fortinet.com/kb/documentLink.do?externalID=FD47732>

#### NEW QUESTION 5

- (Exam Topic 1)

Why does FortiGate Keep TCP sessions in the session table for several seconds, even after both sides (client and server) have terminated the session?

- A. To allow for out-of-order packets that could arrive after the FIN/ACK packets
- B. To finish any inspection operations
- C. To remove the NAT operation
- D. To generate logs

**Answer:** A

#### Explanation:

TCP provides the ability for one end of a connection to terminate its output while still receiving data from the other end. This is called a half-close. FortiGate unit implements a specific timer before removing an entry in the firewall session table.

#### NEW QUESTION 6

- (Exam Topic 1)

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 7

- (Exam Topic 1)

Refer to the exhibit.

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 8

- (Exam Topic 1)

Which two statements about antivirus scanning mode are true? (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 9

- (Exam Topic 1)

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

**Explanation:**

Reference: <https://docs.fortinet.com/document/fortigate/7.0.0/new-features/190873/video-filtering>

**NEW QUESTION 10**

- (Exam Topic 1)

Refer to the exhibit showing a debug flow output.

Which two statements about the debug flow output are correct? (Choose two.)

- A. The debug flow is of ICMP traffic.
- B. A firewall policy allowed the connection.
- C. A new traffic session is created.
- D. The default route is required to receive a reply.

**Answer:** AC

**Explanation:**

Reference: <https://docs.fortinet.com/document/fortigate/6.2.3/cookbook/54688/debugging-the-packet-flow>

**NEW QUESTION 10**

- (Exam Topic 1)

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

**Answer:** AD

**Explanation:**

Reference: [https://www.reddit.com/r/fortinet/comments/c7j6jg/recommended\\_ssl\\_cert/](https://www.reddit.com/r/fortinet/comments/c7j6jg/recommended_ssl_cert/)

**NEW QUESTION 12**

- (Exam Topic 1)

Which CLI command allows administrators to troubleshoot Layer 2 issues, such as an IP address conflict?

- A. get system status
- B. get system performance status
- C. diagnose sys top
- D. get system arp

**Answer:** D

**Explanation:**

"If you suspect that there is an IP address conflict, or that an IP has been assigned to the wrong device, you may need to look at the ARP table."

**NEW QUESTION 13**

- (Exam Topic 1)

An administrator is configuring an IPsec VPN between site A and site B. The Remote 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. 192.168.1.0/24
- B. 192.168.0.0/24
- C. 192.168.2.0/24
- D. 192.168.3.0/24

**Answer:** C

#### NEW QUESTION 14

- (Exam Topic 1)

Which two statements are true about the FGCP protocol? (Choose two.)

- A. Not used when FortiGate is in Transparent mode
- B. Elects the primary FortiGate device
- C. Runs only over the heartbeat links
- D. Is used to discover FortiGate devices in different HA groups

**Answer:** BC

#### Explanation:

Reference:

<https://docs.fortinet.com/document/fortigate/6.4.0/ports-and-protocols/564712/fgcp-fortigate-clustering-protocol>

#### NEW QUESTION 18

- (Exam Topic 1)

Refer to the exhibit.

Which contains a session diagnostic output. Which statement is true about the session diagnostic output?

- A. The session is in SYN\_SENT state.
- B. The session is in FIN\_ACK state.
- C. The session is in FTN\_WAIT state.
- D. The session is in ESTABLISHED state.

**Answer:** A

#### Explanation:

Indicates TCP (proto=6) session in SYN\_SENT state (proto=state=2) <https://kb.fortinet.com/kb/viewContent.do?externalId=FD30042>

#### NEW QUESTION 22

- (Exam Topic 1)

Refer to the exhibits.

Exhibit A.

Exhibit B.

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 sec configuration-sync local.
- B. Change the csf setting on ISFW (downstream) to sec configuracion-sync local.
- C. Change the csf setting on Local-FortiGate (root) to sec fabric-objecc-unificacion defaultc.
- D. Change the csf setting on ISFW (downstream) to sec fabric-objecc-unificacion defaultc.

**Answer:** A

#### Explanation:

Reference: <https://kb.fortinet.com/kb/documentLink.do?externalID=FD43820>

#### NEW QUESTION 23

- (Exam Topic 1)

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.

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

- A. The SSL inspection needs to be a deep content inspection.
- B. Force access to Facebook using the HTTP service.
- C. Additional application signatures are required to add to the security policy.

D. Add Facebook in the URL category in the security policy.

**Answer:** A

**Explanation:**

The lock logo behind Facebook\_like.Button indicates that SSL Deep Inspection is Required.

**NEW QUESTION 26**

- (Exam Topic 2)

Refer to the exhibit.

In the network shown in the exhibit, the web client cannot connect to the HTTP web server. The administrator runs the FortiGate built-in sniffer and gets the output as shown in the exhibit.

What should the administrator do next to troubleshoot the problem?

- A. Run a sniffer on the web server.
- B. Capture the traffic using an external sniffer connected to port1.
- C. Execute another sniffer in the FortiGate, this time with the filter "host 10.0.1.10"
- D. Execute a debug flow.

**Answer:** D

**NEW QUESTION 28**

- (Exam Topic 2)

Which two statements are correct regarding FortiGate FSSO agentless polling mode? (Choose two.)

- A. FortiGate points the collector agent to use a remote LDAP server.
- B. FortiGate uses the AD server as the collector agent.
- C. FortiGate uses the SMB protocol to read the event viewer logs from the DCs.
- D. FortiGate queries AD by using the LDAP to retrieve user group information.

**Answer:** CD

**Explanation:**

Fortigate Infrastructure 7.0 Study Guide P.272-273 <https://kb.fortinet.com/kb/documentLink.do?externalID=FD47732>

**NEW QUESTION 31**

- (Exam Topic 2)

Which of the following are purposes of NAT traversal in IPsec? (Choose two.)

- A. To detect intermediary NAT devices in the tunnel path.
- B. To dynamically change phase 1 negotiation mode aggressive mode.
- C. To encapsulation ESP packets in UDP packets using port 4500.
- D. To force a new DH exchange with each phase 2 rekey.

**Answer:** AC

**NEW QUESTION 36**

- (Exam Topic 2)

Refer to the exhibit.

Which contains a network diagram and routing table output. The Student is unable to access Webserver.

What is the cause of the problem and what is the solution for the problem?

- A. The first packet sent from Student failed the RPF check.This issue can be resolved by adding a static route to 10.0.4.0/24 through wan1.
- B. The first reply packet for Student failed the RPF check.This issue can be resolved by adding a static route to 10.0.4.0/24 through wan1.

- C. The first reply packet for Student failed the RPF check.This issue can be resolved by adding a static route to 203.0.114.24/32 through port3.  
D. The first packet sent from Student failed the RPF check.This issue can be resolved by adding a static route to 203.0.114.24/32 through port3.

**Answer:** D

#### NEW QUESTION 37

- (Exam Topic 2)

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

#### Explanation:

Reference: <https://docs.fortinet.com/document/fortigate/6.4.0/cli-reference/462620/log-disk-setting>

#### NEW QUESTION 40

- (Exam Topic 2)

FortiGate is configured as a policy-based next-generation firewall (NGFW) and is applying web filtering and application control directly on the security policy. Which two other security profiles can you apply to the security policy? (Choose two.)

- A. Antivirus scanning  
B. File filter  
C. DNS filter  
D. Intrusion prevention

**Answer:** AD

#### NEW QUESTION 42

- (Exam Topic 2)

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 43

- (Exam Topic 2)

If the Issuer and Subject values are the same in a digital certificate, which type of entity was the certificate issued to?

- A. A CRL  
B. A person  
C. A subordinate CA  
D. A root CA

**Answer:** D

#### NEW QUESTION 48

- (Exam Topic 2)

Which feature in the Security Fabric takes one or more actions based on event triggers?

- A. Fabric Connectors  
B. Automation Stitches  
C. Security Rating  
D. Logical Topology

**Answer:** B

#### Explanation:

Reference: <https://docs.fortinet.com/document/fortigate/6.2.0/cookbook/286973/fortinet-security-fabric>

#### NEW QUESTION 53

- (Exam Topic 2)

Refer to the exhibit.



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 57

- (Exam Topic 2)

Refer to the exhibit to view the firewall policy.

Which statement is correct if well-known viruses are not being blocked?

- A. The firewall policy does not apply deep content inspection.
- B. The firewall policy must be configured in proxy-based inspection mode.
- C. The action on the firewall policy must be set to deny.
- D. Web filter should be enabled on the firewall policy to complement the antivirus profile.

**Answer:** A

#### NEW QUESTION 62

- (Exam Topic 2)

What is the effect of enabling auto-negotiate on the phase 2 configuration of an IPsec tunnel?

- A. FortiGate automatically negotiates different local and remote addresses with the remote peer.
- B. FortiGate automatically negotiates a new security association after the existing security association expires.
- C. FortiGate automatically negotiates different encryption and authentication algorithms with the remote peer.
- D. FortiGate automatically brings up the IPsec tunnel and keeps it up, regardless of activity on the IPsec tunnel.

**Answer:** D

#### Explanation:

<https://kb.fortinet.com/kb/documentLink.do?externalID=12069>

#### NEW QUESTION 67

- (Exam Topic 2)

Which statements best describe auto discovery VPN (ADVPN). (Choose two.)

- A. It requires the use of dynamic routing protocols so that spokes can learn the routes to other spokes.
- B. ADVPN is only supported with IKEv2.
- C. Tunnels are negotiated dynamically between spokes.
- D. Every spoke requires a static tunnel to be configured to other spokes so that phase 1 and phase 2 proposals are defined in advance.

**Answer:** AC

#### NEW QUESTION 70

- (Exam Topic 2)

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 71

- (Exam Topic 2)

In which two ways can RPF checking be disabled? (Choose two )

- A. Enable anti-replay in firewall policy.
- B. Disable the RPF check at the FortiGate interface level for the source check
- C. Enable asymmetric routing.
- D. Disable strict-arc-check under system settings.

**Answer:** CD

#### Explanation:

Reference: <https://kb.fortinet.com/kb/documentLink.do?externalID=FD33955>

#### NEW QUESTION 76

- (Exam Topic 2)

Which two protocol options are available on the CLI but not on the GUI when configuring an SD-WAN Performance SLA? (Choose two.)

- A. DNS
- B. ping
- C. udp-echo
- D. TWAMP

**Answer:** CD

#### NEW QUESTION 78

- (Exam Topic 2)

Refer to the exhibit.

Which contains a Performance SLA configuration.

An administrator has configured a performance SLA on FortiGate. Which failed to generate any traffic. Why is FortiGate not generating any traffic for the performance SLA?

- A. Participants configured are not SD-WAN members.
- B. There may not be a static route to route the performance SLA traffic.
- C. The Ping protocol is not supported for the public servers that are configured.
- D. You need to turn on the Enable probe packets switch.

**Answer:** D

#### Explanation:

Reference:

<https://docs.fortinet.com/document/fortigate/6.2.0/cookbook/478384/performance-sla-linkmonitoring>

#### NEW QUESTION 83

- (Exam Topic 2)

Which three security features require the intrusion prevention system (IPS) engine to function? (Choose three.)

- A. Web filter in flow-based inspection
- B. Antivirus in flow-based inspection
- C. DNS filter
- D. Web application firewall
- E. Application control

**Answer:** ABE

#### NEW QUESTION 87

- (Exam Topic 2)

Which Security rating scorecard helps identify configuration weakness and best practice violations in your network?

- A. Fabric Coverage
- B. Automated Response
- C. Security Posture
- D. Optimization

**Answer:** C

#### Explanation:

Reference:

<https://www.fortinet.com/content/dam/fortinet/assets/support/fortinet-recommended-security-bestpractices.pdf>

#### NEW QUESTION 90

- (Exam Topic 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

**Explanation:**

Reference: <https://forum.fortinet.com/tm.aspx?m=120324>

#### NEW QUESTION 93

- (Exam Topic 2)

Which downstream FortiGate VDOM is used to join the Security Fabric when split-task VDOM is enabled on all FortiGate devices?

- A. Root VDOM
- B. FG-traffic VDOM
- C. Customer VDOM
- D. Global VDOM

**Answer:** A

#### NEW QUESTION 97

- (Exam Topic 2)

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

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

**Answer:** A

**Explanation:**

<https://help.fortinet.com/fos50hlp/54/Content/FortiOS/fortigate-firewall-52/Firewall%20Objects/Virtual%20IPs>.

#### NEW QUESTION 102

- (Exam Topic 2)

Consider the topology:

Application on a Windows machine <--(SSL VPN)-->FGT--> Telnet to Linux server.

An administrator is investigating a problem where an application establishes a Telnet session to a Linux server over the SSL VPN through FortiGate and the idle session times out after about 90 minutes. The administrator would like to increase or disable this timeout.

The administrator has already verified that the issue is not caused by the application or Linux server. This issue does not happen when the application establishes a Telnet connection to the Linux server directly on the LAN.

What two changes can the administrator make to resolve the issue without affecting services running through FortiGate? (Choose two.)

- A. Set the maximum session TTL value for the TELNET service object.
- B. Set the session TTL on the SSLVPN policy to maximum, so the idle session timeout will not happen after 90 minutes.
- C. Create a new service object for TELNET and set the maximum session TTL.
- D. Create a new firewall policy and place it above the existing SSLVPN policy for the SSL VPN traffic, and set the new TELNET service object in the policy.

**Answer:** CD

#### NEW QUESTION 106

- (Exam Topic 2)

Which statement regarding the firewall policy authentication timeout is true?

- A. It is an idle timeout
- B. The FortiGate considers a user to be "idle" if it does not see any packets coming from the user's source IP.
- C. It is a hard timeout
- D. The FortiGate removes the temporary policy for a user's source IP address after this timer has expired.
- E. It is an idle timeout
- F. The FortiGate considers a user to be "idle" if it does not see any packets coming from the user's source MAC.
- G. It is a hard timeout
- H. The FortiGate removes the temporary policy for a user's source MAC address after this timer has expired.

**Answer:** A

**NEW QUESTION 107**

- (Exam Topic 2)

Which two statements are correct regarding FortiGate HA cluster virtual IP addresses? (Choose two.)

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

**Answer:** BD

**NEW QUESTION 112**

- (Exam Topic 2)

Refer to the exhibit.

The exhibits show a network diagram and the explicit web proxy configuration.

In the command diagnose sniffer packet, what filter can you use to capture the traffic between the client and the explicit web proxy?

- A. 'host 192.168.0.2 and port 8080'
- B. 'host 10.0.0.50 and port 80'
- C. 'host 192.168.0.1 and port 80'
- D. 'host 10.0.0.50 and port 8080'

**Answer:** A

**NEW QUESTION 117**

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