

NSE7_EFW-6.4 Dumps

Fortinet NSE 7 - Enterprise Firewall 6.4

https://www.certleader.com/NSE7_EFW-6.4-dumps.html



NEW QUESTION 1

View the exhibit, which contains the output of diagnose sys session stat, and then answer the question below.

Which statements are correct regarding the output shown? (Choose two.)

- A. There are 0 ephemeral sessions.
- B. All the sessions in the session table are TCP sessions.
- C. No sessions have been deleted because of memory pages exhaustion.
- D. There are 166 TCP sessions waiting to complete the three-way handshake.

Answer: AC

Explanation:

<https://kb.fortinet.com/kb/documentLink.do?externalID=FD40578>

NEW QUESTION 2

A FortiGate is rebooting unexpectedly without any apparent reason. What troubleshooting tools could an administrator use to get more information about the problem? (Choose two.)

- A. Firewall monitor.
- B. Policy monitor.
- C. Logs.
- D. Crashlogs.

Answer: CD

NEW QUESTION 3

View the exhibit, which contains a partial web filter profile configuration, and then answer the question below.

Which action will FortiGate take if a user attempts to access www.dropbox.com, which is categorized as File Sharing and Storage?

- A. FortiGate will exempt the connection based on the Web Content Filter configuration.
- B. FortiGate will block the connection based on the URL Filter configuration.
- C. FortiGate will allow the connection based on the FortiGuard category based filter configuration.
- D. FortiGate will block the connection as an invalid URL.

Answer: B

Explanation:

fortigate does it in order Static URL -> FortiGuard –> Content -> Advanced (java, cookie removal..)so block it in first step

NEW QUESTION 4

Examine the following traffic log; then answer the question below.

date=20xx-02-01 time=19:52:01 devname=master device_id="xxxxxxx" log_id=0100020007 type=event subtype=system pri critical vd=root service=kemel status=failure msg="NAT port is exhausted."

What does the log mean?

- A. There is not enough available memory in the system to create a new entry in the NAT port table.
- B. The limit for the maximum number of simultaneous sessions sharing the same NAT port has been reached.
- C. FortiGate does not have any available NAT port for a new connection.
- D. The limit for the maximum number of entries in the NAT port table has been reached.

Answer: B

NEW QUESTION 5

Refer to exhibit, which contains the output of a BGP debug command.

Which statement explains why the state of the 10.200.3.1 peer is Connect?

- A. The local router is receiving BGP keepalives from the remote peer, but the local peer has not received the OpenConfirm yet.
- B. The TCP session to 10.200.3.1 has not completed the 3-way handshake.
- C. The local router is receiving the BGP keepalives from the peer, but it has not received a BGP prefix yet.
- D. The local router has received the BGP prefixes from the remote peer.

Answer: B

Explanation:

BGP neighbor states and how they change:• Idle: Initial state• Connect: Waiting for a successful three-way TCP connection• Active: Unable to establish the TCP session• OpenSent: Waiting for an OPEN message from the peer• OpenConfirm: Waiting for the keepalive message from the peer• Established: Peers have successfully exchanged OPEN and keepalive messages

NEW QUESTION 6

A FortiGate is configured as an explicit web proxy. Clients using this web proxy are reposting DNS errors when accessing any website. The administrator executes the following debug commands and observes that the n-dns-timeout counter is increasing:

What should the administrator check to fix the problem?

- A. The connectivity between the FortiGate unit and the DNS server.
- B. The connectivity between the client workstations and the DNS server.
- C. That DNS traffic from client workstations is allowed by the explicit web proxy policies.
- D. That DNS service is enabled in the explicit web proxy interface.

Answer: A

NEW QUESTION 7

Refer to the exhibit, which contains the debug output of diagnose dvm device list.

Which two statements about the output shown in the exhibit are correct? (Choose two.)

- A. ADOMs are disabled on the FortiManager
- B. The FortiGate configuration is in sync with latest running revision history.
- C. There are pending device-level changes yet to be installed on Local-FortiGate.
- D. The policy package has been modified for Local-FortiGate.

Answer: BC

NEW QUESTION 8

What is the diagnose test application ipsmonitor 99 command used for?

- A. To enable IPS bypass mode
- B. To provide information regarding IPS sessions
- C. To disable the IPS engine
- D. To restart all IPS engines and monitors

Answer: D

NEW QUESTION 9

Refer to the exhibit, which contains partial output from an IKE real-time debug.

Based on the debug output, which phase 1 setting is enabled in the configuration of this VPN?

- A. auto-discovery-shortcut
- B. auto-discovery-forwarder
- C. auto-discovery-sender
- D. auto-discovery-receiver

Answer: C

NEW QUESTION 10

View the exhibit, which contains the output of a debug command, and then answer the question below.

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

- A. In the network on port4, two OSPF routers are down.
- B. Port4 is connected to the OSPF backbone area.
- C. The local FortiGate's OSPF router ID is 0.0.0.4
- D. The local FortiGate has been elected as the OSPF backup designated router.

Answer: BC

NEW QUESTION 10

Which two statements about an auxiliary session are true? (Choose two.)

- A. With the auxiliary session setting enabled, ECMP traffic is accelerated to the NP6 processor.
- B. With the auxiliary session setting enabled, two sessions will be created in case of routing change.
- C. With the auxiliary session setting disabled, for each traffic path, FortiGate will use the same auxiliary session.
- D. With the auxiliary session disabled, only auxiliary sessions will be offloaded.

Answer: CD

NEW QUESTION 13

A FortiGate device has the following LDAP configuration:

The administrator executed the 'dsquery' command in the Windows LDAP server 10.0.1.10, and got the following output:

```
>dsquery user -samid administrator
```

"CN=Administrator, CN=Users, DC=trainingAD, DC=training, DC=lab" Based on the output, what FortiGate LDAP setting is configured incorrectly?

- A. cnid.
- B. username.
- C. password.
- D. dn.

Answer: B

Explanation:

<https://kb.fortinet.com/kb/viewContent.do?externalId=FD37516>

NEW QUESTION 14

Examine the IPsec configuration shown in the exhibit; then answer the question below.

An administrator wants to monitor the VPN by enabling the IKE real time debug using these commands: diagnose vpn ike log-filter src-addr4 10.0.10.1

diagnose debug application ike -1 diagnose debug enable

The VPN is currently up, there is no traffic crossing the tunnel and DPD packets are being interchanged between both IPsec gateways. However, the IKE real time debug does NOT show any output. Why isn't there any output?

- A. The IKE real time shows the phases 1 and 2 negotiations onl
- B. It does not show any more output once the tunnel is up.
- C. The log-filter setting is set incorrectl
- D. The VPN's traffic does not match this filter.
- E. The IKE real time debug shows the phase 1 negotiation onl
- F. For information after that, the administrator must use the IPsec real time debug instead: diagnose debug application ipsec -1.
- G. The IKE real time debug shows error messages onl
- H. If it does not provide any output, it indicates that the tunnel is operating normally.

Answer: B

NEW QUESTION 16

An administrator has decreased all the TCP session timers to optimize the FortiGate memory usage. However, after the changes, one network application started to have problems. During the troubleshooting, the administrator noticed that the FortiGate deletes the sessions after the clients send the SYN packets, and before the arrival of the SYN/ACKs. When the SYN/ACK packets arrive to the FortiGate, the unit has already deleted the respective sessions. Which TCP session timer must be increased to fix this problem?

- A. TCP half open.
- B. TCP half close.
- C. TCP time wait.
- D. TCP session time to live.

Answer: A

Explanation:

http://docs-legacy.fortinet.com/fos40hlp/43prev/wwhelp/wwhimpl/common/html/wwhelp.htm?context=fgt&file=CLI_get_Commands.58.25.html

The tcp-halfopen-timer controls for how long, after a SYN packet, a session without SYN/ACK remains in the table.

The tcp-halfclose-timer controls for how long, after a FIN packet, a session without FIN/ACK remains in the table.

The tcp-timewait-timer controls for how long, after a FIN/ACK packet, a session remains in the table. A closed session remains in the session table for a few seconds more to allow any out-of-sequence packet.

NEW QUESTION 17

Refer to the exhibit, which contains a TCL script configuration on FortiManager.

An administrator has configured the TCL script on FortiManager, but failed to apply any changes to the managed device after being executed. Why did the TCL script fail to make any changes to the managed device?

- A. Changes in an interface configuration can only be done by CLI script.
- B. The TCL script must start with #include <>.
- C. Incomplete commands are ignored in TCL scripts.
- D. The TCL command run_cmd has not been created.

Answer: D

NEW QUESTION 18

View the exhibit, which contains the partial output of an IKE real-time debug, and then answer the question below.

Why didn't the tunnel come up?

- A. The pre-shared keys do not match.
- B. The remote gateway's phase 2 configuration does not match the local gateway's phase 2 configuration.
- C. The remote gateway's phase 1 configuration does not match the local gateway's phase 1 configuration.
- D. The remote gateway is using aggressive mode and the local gateway is configured to use man mode.

Answer: C

NEW QUESTION 19

Examine the output from the 'diagnose debug authd fssolist' command; then answer the question below.

diagnose debug authd fssolist —FSSO logons-IP: 192.168.3.1 User: STUDENT Groups: TRAININGAD/USERS Workstation: INTERNAL2. TRAINING. LAB The IP address 192.168.3.1 is

NOT the one used by the workstation INTERNAL2. TRAINING. LAB.

What should the administrator check?

- A. The IP address recorded in the logon event for the user STUDENT.
- B. The DNS name resolution for the workstation name INTERNAL2. TRAINING.
- C. LAB.

- D. The source IP address of the traffic arriving to the FortiGate from the workstation INTERNAL2.TRAININ
- E. LAB.
- F. The reserve DNS lookup forthe IP address 192.168.3.1.

Answer: C

NEW QUESTION 21

View these partial outputs from two routing debug commands:

Which outbound interface will FortiGate use to route web traffic from internal users to the Internet?

- A. Both port1 and port2
- B. port3
- C. port1
- D. port2

Answer: C

NEW QUESTION 23

When using the SSL certificate inspection method for HTTPS traffic, how does FortiGate filter web requests when the browser client does not provide the server name indication (SNI) extension?

- A. FortiGate uses CN information from the Subject field in the server's certificate.
- B. FortiGate switches to the full SSL inspection method to decrypt the data.
- C. FortiGate blocks the request without any further inspection.
- D. FortiGate uses the requested URL from the user's web browser.

Answer: A

NEW QUESTION 24

Which of the following statements is true regarding a FortiGate configured as an explicit web proxy?

- A. FortiGate limits the number of simultaneous sessions per explicit web proxy use
- B. This limit CANNOT be modified by the administrator.
- C. FortiGate limits the total number of simultaneous explicit web proxy users.
- D. FortiGate limits the number of simultaneous sessions per explicit web proxy user The limit CAN bemodified by the administrator
- E. FortiGate limits the number of workstations that authenticate using the same web proxy user credentials.This limit CANNOT be modified by the administrator.

Answer: B

Explanation:

https://help.fortinet.com/fos50hlp/52data/Content/FortiOS/fortigate-WAN-opt-52/web_proxy.htm#Explicit2

The explicit proxy does not limit the number of active sessions for each user. As a result the actual explicit proxy session count is usually much higher than the number of explicit web proxy users. If an excessive number of explicit web proxy sessions is compromising system performance you can limit the amount of users if the FortiGate unit is operating with multiple VDOMs.

NEW QUESTION 29

Examine the partial output from the IKE real time debug shown in the exhibit; then answer the question below.

Why didn't the tunnel come up?

- A. IKE mode configuration is not enabled in the remote IPsec gateway.
- B. The remote gateway's Phase-2 configuration does not match the local gateway's phase-2 configuration.
- C. The remote gateway's Phase-1 configuration does not match the local gateway's phase-1 configuration.
- D. One IPsec gateway is using main mode, while the other IPsec gateway is using aggressive mode.

Answer: C

NEW QUESTION 34

View the exhibit, which contains the output of a debug command, and then answer the question below.

What statement is correct about this FortiGate?

- A. It is currently in system conserve mode because of high CPU usage.
- B. It is currently in FD conserve mode.
- C. It is currently in kernel conserve mode because of high memory usage.
- D. It is currently in system conserve mode because of high memory usage.

Answer: D

NEW QUESTION 36

View the following FortiGate configuration.

All traffic to the Internet currently egresses from port1. The exhibit shows partial session information for Internet traffic from a user on the internal network:

If the priority on route ID 1 were changed from 5 to 20, what would happen to traffic matching that user's session?

- A. The session would remain in the session table, and its traffic would still egress from port1.
- B. The session would remain in the session table, but its traffic would now egress from both port1 and port2.
- C. The session would remain in the session table, and its traffic would start to egress from port2.
- D. The session would be deleted, so the client would need to start a new session.

Answer: A

Explanation:

<http://kb.fortinet.com/kb/documentLink.do?externalID=FD40943>

NEW QUESTION 40

A FortiGate device has the following LDAP configuration:

The LDAP user student cannot authenticate. The exhibit shows the output of the authentication real time debug while testing the student account:

Based on the above output, what FortiGate LDAP settings must the administrator check? (Choose two.)

- A. cnid.
- B. username.
- C. password.
- D. dn.

Answer: BC

Explanation:

<https://kb.fortinet.com/kb/viewContent.do?externalId=13141>

NEW QUESTION 41

Refer to the exhibit, which contains the output of diagnose sys session list.

If the HA ID for the primary unit is zero (0), which statement about the output is true?

- A. This session cannot be synced with the slave unit.
- B. The inspection of this session has been offloaded to the slave unit.
- C. The master unit is processing this traffic.
- D. This session is for HA heartbeat traffic.

Answer: C

NEW QUESTION 43

Refer to the exhibit, which contains the partial output of a diagnose command.

Based on the output, which two statements are correct? (Choose two.)

- A. Anti-replay is enabled

- B. The remote gateway IP is 10.200.4.1.
- C. DPD is disabled.
- D. Quick mode selectors are disabled.

Answer: AB

NEW QUESTION 47

Examine the output of the ‘diagnose ips anomaly list’ command shown in the exhibit; then answer the question below.

Which IP addresses are included in the output of this command?

- A. Those whose traffic matches a DoS policy.
- B. Those whose traffic matches an IPS sensor.
- C. Those whose traffic exceeded a threshold of a matching DoS policy.
- D. Those whose traffic was detected as an anomaly by an IPS sensor.

Answer: A

NEW QUESTION 51

An administrator wants to capture ESP traffic between two FortiGates using the built-in sniffer. If the administrator knows that there is no NAT device located between both FortiGates, what command should the administrator execute?

- A. diagnose sniffer packet any ‘udp port 500’
- B. diagnose sniffer packet any ‘udp port 4500’
- C. diagnose sniffer packet any ‘esp’
- D. diagnose sniffer packet any ‘udp port 500 or udp port 4500’

Answer: C

Explanation:

Capture IKE Traffic without NAT:diagnose sniffer packet ‘host and udp port 500’

-----Capture ESP

Traffic without NAT:diagnose sniffer packet any ‘host and esp’

-----Capture IKE

and ESP with NAT-T:diagnose sniffer packet any ‘host and (udp port 500 or udp port 4500)’

NEW QUESTION 54

Examine the output of the ‘get router info ospf neighbor’ command shown in the exhibit; then answer the question below.

Which statements are true regarding the output in the exhibit? (Choose two.)

- A. The interface ToRemote is OSPF network type point-to-point.
- B. The OSPF router with the ID 0.0.0.2 is the designated router for the ToRemote network.
- C. The local FortiGate is the backup designated router for the wan1 network.
- D. The OSPF routers with the IDs 0.0.0.69 and 0.0.0.117 are both designated routers for the wan1 network.

Answer: AC

Explanation:

<https://www.cisco.com/c/en/us/support/docs/ip/open-shortest-path-first-ospf/13685-13.html>

NEW QUESTION 56

Examine the output of the 'get router info bgp summary' command shown in the exhibit; then answer the question below.

Which statements are true regarding the output in the exhibit? (Choose two.)

- A. BGP state of the peer 10.125.0.60 is Established.
- B. BGP peer 10.200.3.1 has never been down since the BGP counters were cleared.
- C. Local BGP peer has not received an OpenConfirm from 10.200.3.1.
- D. The local BGP peer has received a total of 3 BGP prefixes.

Answer: AC

NEW QUESTION 59

Examine the output from the BGP real time debug shown in the exhibit, then the answer the question below:

Which statements are true regarding the output in the exhibit? (Choose two.)

- A. BGP peers have successfully interchanged Open and Keepalive messages.
- B. Local BGP peer received a prefix for a default route.
- C. The state of the remote BGP peer is OpenConfirm.
- D. The state of the remote BGP peer will go to Connect after it confirms the received prefixes.

Answer: AB

NEW QUESTION 60

An administrator cannot connect to the GUI of a FortiGate unit with the IP address 10.0.1.254. The administrator runs the debug flow while attempting the connection using HTTP. The output of the debug flow is shown in the exhibit:

Based on the error displayed by the debug flow, which are valid reasons for this problem? (Choose two.)

- A. HTTP administrative access is disabled in the FortiGate interface with the IP address 10.0.1.254.
- B. Redirection of HTTP to HTTPS administrative access is disabled.
- C. HTTP administrative access is configured with a port number different than 80.
- D. The packet is denied because of reverse path forwarding check.

Answer: AC

NEW QUESTION 64

An administrator has configured two FortiGate devices for an HA cluster. While testing the HA failover, the administrator noticed that some of the switches in the network continue to send traffic to the former primary unit. The administrator decides to enable the setting link-failed-signal to fix the problem. Which statement is correct regarding this command?

- A. Forces the former primary device to shut down all its non-heartbeat interfaces for one second while the failover occurs.
- B. Sends an ARP packet to all connected devices, indicating that the HA virtual MAC address is reachable through a new master after a failover.
- C. Sends a link failed signal to all connected devices.
- D. Disables all the non-heartbeat interfaces in all the HA members for two seconds after a failover.

Answer: A

NEW QUESTION 65

Which two statements about OCVPN are true? (Choose two.)

- A. Only root vdom supports OCVPN.
- B. OCVPN supports static and dynamic IPs in WAN interface.
- C. OCVPN offers only Hub-Spoke VPNs.
- D. FortiGate devices under different FortiCare accounts can be used to form OCVPN.

Answer: AB

NEW QUESTION 66

Examine the output of the 'diagnose sys session list expectation' command shown in the exhibit; then answer the question below.

Which statement is true regarding the session in the exhibit?

- A. It was created by the FortiGate kernel to allow push updates from FortiGuard.
- B. It is for management traffic terminating at the FortiGate.
- C. It is for traffic originated from the FortiGate.
- D. It was created by a session helper or ALG.

Answer: D

NEW QUESTION 68

Refer to the exhibit, which contains the partial output of a diagnose command.

Based on the output, which two statements are correct? (Choose two.)

- A. Anti-replay is enabled.
- B. DPD is disabled.
- C. Remote gateway IP is 10.200.4.1.
- D. Quick mode selectors are disabled.

Answer: AC

NEW QUESTION 73

A FortiGate has two default routes:

All Internet traffic is currently using port1. The exhibit shows partial information for one sample session of Internet traffic from an internal user:

What would happen with the traffic matching the above session if the priority on the first default route (IDd1) were changed from 5 to 20?

- A. Session would remain in the session table and its traffic would keep using port1 as the outgoing interface.
- B. Session would remain in the session table and its traffic would start using port2 as the outgoing interface.
- C. Session would be deleted, so the client would need to start a new session.
- D. Session would remain in the session table and its traffic would be shared between port1 and port2.

Answer: A

NEW QUESTION 75

Refer to the exhibit, which contains the output of get system ha status.

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

- A. The slave configuration is synchronized with the master.
- B. port7 is used as the HA heartbeat on all devices in the cluster.
- C. Master is selected based on the priority configured under config system ha.
- D. The HA management IP is 169.254.0.2.

Answer: BC

NEW QUESTION 77

Which two statements about the Security Fabric are true? (Choose two.)

- A. Only the root FortiGate collects network information and forwards it to FortiAnalyzer.
- B. FortiGate uses FortiTelemetry protocol to communicate with FortiAnalyzer.
- C. All FortiGate devices in the Security Fabric must have bidirectional FortiTelemetry connectivity.
- D. Branch FortiGate devices must be configured first.

Answer: BC

NEW QUESTION 82

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