

NSE7_EFW-6.4^{Q&As}

Fortinet NSE 7 - Enterprise Firewall 6.4

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QUESTION 1

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

```
Student# get router info bgp summary
BGP router identifier 10.200.1.1, local AS number 65500
BGP table version is 2
1 BGP AS-PATH entries
0 BGP community entries
```

Neighbor	V	AS	MsgRcvd	MsgSent	TblVer	InQ	OutQ	Up/Down	State/PfxRcd
10.200.3.1	4	65501	92	112	0	0	0	never	Connect

```
Total number of neighbors 1
```

Which statement can explain why the state of the remote BGP peer 10.200.3.1 is Connect?

- A. The local peer is receiving the BGP keepalives from the remote peer but it has not received any BGP prefix yet.
- B. The TCP session for the BGP connection to 10.200.3.1 is down.
- C. The local peer has received the BGP prefixed from the remote peer.
- D. The local peer is receiving the BGP keepalives from the remote peer but it has not received the OpenConfirm yet.

Correct Answer: B

<http://www.ciscopress.com/articles/article.asp?p=2756480andseqNum=4>

QUESTION 2

View the exhibit, which contains a screenshot of some phase-1 settings, and then answer the question below.

Name	Remote
Comments	Comments
Network	
IP Version	<input checked="" type="radio"/> IPv4 <input type="radio"/> IPv6
Remote Gateway	Static IP address
IP Address	10.0.10.1
Interface	port1
Mode Config	<input type="checkbox"/>
NAT Traversal	<input checked="" type="checkbox"/>
Keepalive Frequency	10
Dead Peer Detection	<input checked="" type="checkbox"/>

The VPN is up, and DPD packets are being exchanged between both IPsec gateways; however, traffic cannot pass through the tunnel. To diagnose, the administrator enters these CLI commands:

```
diagnose vpn ike log-filter src-add4 10.0.10.1  
diagnose debug application ike-1  
diagnose debug enable
```

However, the IKE real time debug does not show any output. Why?

- A. The debug output shows phases 1 and 2 negotiations only. Once the tunnel is up, it does not show any more output.
- B. The log-filter setting was set incorrectly. The VPN's traffic does not match this filter.
- C. The debug shows only error messages. If there is no output, then the tunnel is operating normally.
- D. The debug output shows phase 1 negotiation only. After that, the administrator must enable the following real time debug: `diagnose debug application ipsec -1`.

Correct Answer: B

QUESTION 3

Refer to the exhibit, which shows a FortiGate configuration.

```
config system fortiguard
  set protocol udp
  set port 8888
  set load-balance-servers 1
  set auto-join-forticloud enable
  set update-server-location any
  set sandbox-region ""
  set fortiguard-anycast disable
  set antispam-force-off disable
  set antispam-cache enable
  set antispam-cache-ttl 1800
  set antispam-cache-mpercent 2
  set antispam-timeout 7
  set webfilter-force-off enable
  set webfilter-cache enable
  set webfilter-cache-ttl 3600
  set webfilter-timeout 15
  set sdns-server-ip "208.91.112.220"
  set sdns-server-port 53
  unset sdns-options
  set source-ip 0.0.0.0
  set source-ip6 ::
  set proxy-server-ip 0.0.0.0
  set proxy-server-port 0
  set proxy-username ""
  set ddns-server-ip 0.0.0.0
  set ddns-server-port 443
end
```

An administrator is troubleshooting a web filter issue on FortiGate. The administrator has configured a web filter profile and applied it to a policy; however, the web filter is not inspecting any traffic that is passing through the policy.

What must the administrator change to fix the issue?

- A. The administrator must increase webfilter-timeout.
- B. The administrator must disable webfilter-force-off.
- C. The administrator must change protocol to TCP.
- D. The administrator must enable fortiguard-anycast.

Correct Answer: D

Reference: <https://docs.fortinet.com/document/fortigate/6.4.5/cli-reference/109620/config-systemfortiguard>

QUESTION 4

Which two tasks are automated using the Install Wizard on FortiManager? (Choose two.)

- A. Preview pending configuration changes for managed devices.
- B. Add devices to FortiManager.
- C. Import policy packages from managed devices.
- D. Install configuration changes to managed devices.
- E. Import interface mappings from managed devices.

Correct Answer: AD

https://help.fortinet.com/fmgr/50hlp/56/5-6-2/FortiManager_Admin_Guide/1000_Device%20Manager/1200_install_to%20devices/0400_install%20wizard-device%20settings.htm There are 4 main wizards: Add Device: is used to add devices to central management and import their configurations. Install: is used to install configuration changes from Device Manager or Policies and Objects to the managed devices. It allows you to preview the changes and, if the administrator doesn't agree with the changes, cancel and modify them. Import policy: is used to import interface mapping, policy database, and objects associated with the managed devices into a policy package under the Policy and Object tab. It runs with the Add Device wizard by default and may be run at any time from the managed device list. Re-install policy: is used to perform a quick install of the policy package. It doesn't give the ability to preview the changes that will be installed to the managed device.

QUESTION 5

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

```
ike 0:H2S_0_1:1249: notify msg received: SHORTCUT-QUERY
ike 0:H2S_0_1:  rcv shortcut-query 12594932268010586978 4384dd592d62cd52/0000000000000000 100.64.3.1
10.1.1.254->10.1.2.254 psk 64 ppk 0 ttl 32 nat 0 ver 1 mode 0
ike 0:H2S_0:  iif 13 10.1.1.254->10.1.2.254 route lookup oif 13
ike 0:H2S_0_0: forward shortcut-query 12594932268010586978 4384dd592d62cd52/0000000000000000
100.64.3.1 10.1.1.254->10.1.2.254 psk 64 ppk 0 ttl 31 ver 1 mode 0, ext-ma
ike 0:H2S_0_0:1248: sent IKE msg (SHORTCUT-QUERY): 100.64.1.1:500->100.64.5.1:500, len=236,
id=e2beec89f13c7074/06a73dfb3a5d3b54:340a645c
ike 0:  comes 100.64.5.1:500->100.64.1.1:500, ifindex=3. . .
ike 0:  IKEv1 exchange=Informational id=e2beec89f13c7074/06a73dfb3a5d3b5d:26254ae9 len=236
ike 0:H2S_0_0:1248: notify msg received: SHORTCUT-REPLY
ike 0:H2S_0_0:  rcv shortcut-reply 12594932268010586978 4384dd592d62cd52/89bf040f5f7408c0 100.64.5.1
to 10.1.1.254 psk 64 ppk 0 ver 1 mode 0 ext-mapping 100.64.3.1:500
ike 0:H2S_0:  iif 13.10.1.2.254->10.1.1.254 route lookup oif 13
ike 0:H2S_0_1: forward shortcut-reply 12594932268010586978 4384dd592d62cd52/89bf040f5f7408c0
100.64.5.1 to 10.1.1.254 psk 64 ppk 0 ttl 31 ver 1 mode 0 ext-mapping 100.
```

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

Correct Answer: D

Reference: <https://docs.fortinet.com/document/fortigate/6.0.0/handbook/320160/example-advpnconfiguration>

First the Spoke receives SHORTCUT_OFFER, it responds with sending shortcut-query. AT the end it receives SHORTCUT_REPLY and creates new dynamic tunnel (H2S_0_0).

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