Fortinet

Exam Questions NSE7_EFW-6.4

Fortinet NSE 7 - Enterprise Firewall 6.4

NEW QUESTION 1
What events are recorded in the crashlogs of a FortiGate device? (Choose two.)

A. A process crash.
B. Configuration changes.
C. Changes in the status of any of the FortiGuard licenses.
D. System entering to and leaving from the proxy conserve mode.

Answer: AD

Explanation:
diagnose debug crashlog read
275: 2014-08-05 13:03:53 proxy=acceptor service=imap session fail mode=activated276: 2014-08-05
13:03:53 proxy=acceptor service=ftp session fail mode=activated277: 2014-08-05 13:03:53 proxy=acceptor service=nntp session fail mode=activated278:
2014-08-06 11:05:47 service=kernel conserve=on free="45034 pages" red="45874 pages" msg="Kernel279: 2014-08-06 11:05:47 enters conserve mode"280:
2014-08-06 13:07:16 service=kernel conserve=exit free="86704 pages" green="68811 pages"281: 2014-08-06 13:07:16 msg="Kernel leaves conserve
mode"282: 2014-08-06
13:07:16 proxy=imd sysconserve=exited total=1008 free=349 marginenter=201283: 2014-08-06 13:07:16 marginexit=302

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 the output of a real-time debug, and then answer the question below.

```
# diagnose debug application urlfilter -1
# diagnose debug enable

msg="received a request /tmp/.ipsengine_498_0_0.url.socket, addr_len=37:
d=www.fortinet.com:80
id=83, vfname='root', vfid=0, profile='default', type=0, client=10.0.1.10,
url_source=1, url="/"
msg="Found it in cache.   URL cat=52" IP cat=52user="N/A" src=10.0.1.10
sport=60348 dst=66.171.121.44 dport=80 service="http" hostname="
www.fortinet.com" url="/" matchType=prefix
action=10(ftgd-block) wf-act=3(BLOCK) user="N/A" src=10.0.1.10 sport=60348
dst=66.171.121.44
dport=80 service="http" cat=52 cat desc="Information Technology"
hostname="fortinet.com"
url="/"
```

Which of the following statements is true regarding this output? (Choose two.)

A. This web request was inspected using the root web filter profile.
B. FortiGate found the requested URL in its local cache.
C. The requested URL belongs to category ID 52.
D. The web request was allowed by FortiGate.

Answer: BC

NEW QUESTION 4
Which configuration can be used to reduce the number of BGP sessions in an IBGP network?

A. Neighbor range
B. Route reflector
C. Next-hop-self
D. Neighbor group

Answer: B

Explanation:
Route reflectors help to reduce the number of IBGP sessions inside an AS. A route reflector forwards the routers learned from one peer to the other peers. If you configure route reflectors, you dont' need to create a full mesh IBGP network. All clients in a cluster only talck to route reflector to get sync routing updates. Route reflectors pass the routing updates to other route reflectors and border routers within the AS.

NEW QUESTION 5
View the exhibit, which contains the output of a diagnose command, and the answer the question below.

```
# diagnose debug rating
Locale       : English
License      : Contract
Expiration   : Thu Sep 28 17:00:00 20XX
-=- Server List (Thu APR 19 10:41:32 20XX) -=-
IP               Weight   RTT   Flags   TZ   Packets  Curr Lost  Total Lost
64.26.151.37     10       45             -5    262432  0          846
64.26.151.35     10       46             -5    329072  0          6806
66.117.56.37     10       75             -5    71638   0          275
66.210.95.240    20       71             -8    36875   0          92
209.222.147.36   20       103    DI      -8    34784   0          1070
208.91.112.194   20       107    D       -8    35170   0          1533
96.45.33.65      60       144             0    33728   0          120
80.85.69.41      71       226             1    33797   0          192
62.209.40.74     150      97              9    33754   0          145
121.111.236.179  45       44     F       -5    26410   26226      26227
```

Which statements are true regarding the Weight value?

A. Its initial value is calculated based on the round trip delay (RTT).
B. Its initial value is statically set to 10.
C. Its value is incremented with each packet lost.
D. It determines which FortiGuard server is used for license validation.

Answer: C

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:

```
#diagnose test application wad 2200
#diagnose test application wad 104
DNS Stats:
n_dns_reqs=878  n_dns_fails= 2  n_dns_timeout=875
n_dns_success=0

n_snd_retries=0  n_snd_fails=0 n_snd_success=0 n_dns_overflow=0
n_build_fails=0
```

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
The CLI command set intelligent-mode <enable | disable> controls the IPS engine's adaptive scanning behavior. Which of the following statements describes IPS adaptive scanning?

A. Determines the optimal number of IPS engines required based on system load.
B. Downloads signatures on demand from FDS based on scanning requirements.
C. Determines when it is secure enough to stop scanning session traffic.
D. Choose a matching algorithm based on available memory and the type of inspection being performed.

Answer: C

Explanation:
Configuring IPS intelligenceStarting with FortiOS 5.2, intelligent-mode is a new adaptive detection method. This command is enabled the default and it means that the IPS engine will perform adaptive scanning so that, for some traffic, the FortiGate can quickly finish scanning and offload the traffic to NPU or kernel. It is a balanced method which could cover all known exploits. When disabled, the IPS engine scans every single byte. config ips globalset intelligent-mode {enable|disable}end

NEW QUESTION 8
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:  recv 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: recv 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

Answer: C

NEW QUESTION 9
View the exhibit, which contains the output of a debug command, and then answer the question below.

```
# get router info ospf interface port4
port4 is up, line protocol is up
   Internet Address 172.20.121.236/24, Area 0.0.0.0, MTU 1500
   Process ID 0, Router ID 0.0.0.4, Network Type BROADCAST, Cost: 1
   Transmit Delay is 1 sec, State DROther, Priority 1
   Designated Router (ID) 172.20.140.2, Interface Address 172.20.121.2
Backup Designated Router (ID) 0.0.0.1, Interface Address 172.20.121.239
Timer intervals configured, Hello 10.000, Dead 40, Wait 40, Retransmit 5
     Hello due in 00:00:05
   Neighbor Count is 4, Adjacent neighbor count is 2
   Crypt Sequence Number is 411
   Hello received 106, sent 27, DD received 7 sent 9
   LS-Reg received 2 sent 2, LS-Upd received 7 sent 5
   LS-Ack received 4 sent 3, Discarded 1
```

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

```
FGT # get router info bgp summary
BGP router identifier 0.0.0.117, local AS number 65117
BGP table version is 104
3 BGP AS-PATH entries
0 BGP community entries

Neighbor      V    AS   MsgRcvd  MsgSent  TblVer   InQ  OutQ     Up/Down       State/PfxRcd
10.125.0.60   4 65060  1698     1756     103       0     0      03:02:49           1
10.127.0.75   4 65075  2206     2250     102       0     0      02:45:55           1
100.64.3.1    4 65501  101      115       0        0     0      never            Active

Total number of neighbors 3
```

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

A. The local router's BGP state is Established with the 10.125.0.60 peer.
B. Since the counters were last reset; the 10.200.3.1 peer has never been down.
C. The local router has received a total of three BGP prefixes from all peers.
D. The local router has not established a TCP session with 100.64.3.1.

Answer: AD

NEW QUESTION 10
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/wwhe
lp.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/ACKremains in the table.
The tcp-halfclose-timer controls for how long, after a FIN packet, a session without FIN/ACKremains in the table.
The tcp-timewait-timer controls for how long, after a FIN/ACK packet, a session remains in thetable. A closed session remains in the session table for a few seconds more to allow any out-of-sequence packet.

NEW QUESTION 14
An administrator added the following Ipsec VPN to a FortiGate configuration:
configvpn ipsec phasel -interface edit "RemoteSite"
set type dynamic
set interface "portl" set mode main
set psksecret ENC LCVkCiK2E2PhVUzZe next
end
config vpn ipsec phase2-interface edit "RemoteSite"
set phasel name "RemoteSite" set proposal 3des-sha256
next end
However, the phase 1 negotiation is failing. The administrator executed the IKF real time debug while attempting the Ipsec connection. The output is shown in the exhibit.

```
ike 0: comes 10.200.3.1:500->10.200.1.1:500,ifindex=2....
ike 0: IKEv1 exchange=Identity Protection id=xxx/xxx len=716
ike 0:xxx/xxx:16: responder: main mode get 1st message...
ike 0:xxx/xxx:16: VID RFC 3947 4A131C81070358455C5728F20E95452F
...
ike 0:xxx/xxx:16: negotiation result
ike 0:xxx/xxx:16: proposal id = 1:
ike 0:xxx/xxx:16:   protocol id = ISAKMP:
ike 0:xxx/xxx:16:     trans_id = KEY_IKE.
ike 0:xxx/xxx:16:     encapsulation = IKE/none
ike 0:xxx/xxx:16:       type=OAKLEY_ENCRYPT_ALG, val=AES_CBC.
ike 0:xxx/xxx:16:       type=OAKLEY_HASH_ALG, val=SHA2_256.
ike 0:xxx/xxx:16:       type=AUTH_METHOD, val=PRESHARED_KEY.
ike 0:xxx/xxx:16:       type=OAKLEY_GROUP, val=MODP2048.
ike 0:xxx/xxx:16: ISAKMP SA lifetime=86400
ike 0:xxx/xxx:16: SA proposal chosen, matched gateway DialUpUsers
...
ike 0:DialUpUsers:16: sent IKE msg (ident_r1send): 10.200.1.1:500->10.200.3.1:500, len
id=xxx/xxx
```

```
ike 0: comes 10.200.3.1:500->10.200.1.1:500,ifindex=2....
ike 0: IKEv1 exchange=Identity Protection id=xxx/xxx len=380
ike 0:DialUpUsers:16: responder:main mode get 2nd message...
ike 0:DialUpUsers:16: NAT not detected
ike 0:DialUpUsers:16: sent IKE msg (ident_r2send): 10.200.1.1:500->10.200.3.1:500, len
id=xxx/xxx
ike 0:DialUpUsers:16: ISAKMP SA xxx/xxx key 16:3D33E2EF00BE927701B5C25B05A62415
ike 0: comes 10.200.3.1:500->10.200.1.1:500,ifindex=2....
ike 0: IKEv1 exchange=Identity Protection id=xxx/xxx len=108
ike 0:DialUpUsers:16: responder: main mode get 3rd message...
ike 0:DialUpUsers:16: probable pre-shared secret mismatch
ike 0:DialUpUsers:16: unable to parse msg
```

What is causing the IPsec problem in the phase 1 ?

A. The incoming IPsec connection is matching the wrong VPN configuration
B. The phrase-1 mode must be changed to aggressive
C. The pre-shared key is wrong
D. NAT-T settings do not match

Answer: C

NEW QUESTION 19
An administrator has configured a dial-up IPsec VPN with one phase 2, extended authentication (XAuth) and IKE mode configuration. The administrator has also

enabled the IKE real time debug:
diagnose debug application ike-1 diagnose debug enable
In which order is each step and phase displayed in the debug output each time a new dial-up user is connecting to the VPN?

A. Phase1; IKE mode configuration; XAuth; phase 2.
B. Phase1; XAuth; IKE mode configuration; phase2.
C. Phase1; XAuth; phase 2; IKE mode configuration.
D. Phase1; IKE mode configuration; phase 2; XAuth.

Answer: B

Explanation:
https://help.fortinet.com/fos50hlp/54/Content/FortiOS/fortigate-ipsecvpn-54/IPsec_VPN_Concepts/IKE_Packet

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 27
Refer to the exhibit, which contains the output of a BGP debug command.

```
FGT # get router info bgp summary
BGP router identifier 0.0.0.117, local AS number 65117
BGP table version is 104
3 BGP AS-PATH entries
0 BGP community entries

Neighbor        V    AS  MsgRcvd MsgSent TblVer InQ OutQ  Up/Down  State/PfxRcd
10.125.0.60     4 65060  1698    1756    103     0    0   03:02:49        1
10.127.0.75     4 65075  2206    2250    102     0    0   02:45:55        1
100.64.3.1      4 65501  101     115       0     0    0   never       Active

Total number of neighbors 3
```

Which statement about the exhibit is true?

A. The local router has received a total of three BGP prefixes from all peers.
B. The local router has not established a TCP session with 100.64.3.1.
C. Since the counters were last reset, the 10.200.3.1 peer has never been down.
D. The local router BGP state is OpenConfirm with the 10.127.0.75 peer.

Answer: B

NEW QUESTION 28
Which of the following conditions must be met for a static route to be active in the routing table? (Choose three.)

A. The next-hop IP address is up.
B. There is no other route, to the same destination, with a higher distance.
C. The link health monitor (if configured) is up.
D. The next-hop IP address belongs to one of the outgoing interface subnets.
E. The outgoing interface is up.

Answer: CDE

Explanation:
A configured static route only goes to routing table from routing database when all the following are met :
- The outgoing interface is up
- There is no other matching route with a lower distance
- The link health monitor (if configured) is successful
- The next-hop IP address belongs to one of the outgoing interface subnets

NEW QUESTION 31
Two independent FortiGate HA clusters are connected to the same broadcast domain. The administrator has reported that both clusters are using the same HA virtual MAC address. This creates a duplicated MAC address problem in the network. What HA setting must be changed in one of the HA clusters to fix the problem?

A. Group ID.
B. Group name.
C. Session pickup.
D. Gratuitous ARPs.

Answer: A

Explanation:
https://help.fortinet.com/fos50hlp/54/Content/FortiOS/fortigate-high-availability-52/HA_failoverVMAC.htm

NEW QUESTION 36
Examine the partial output from the IKE real time debug shown in the exhibit; then answer the question below.

```
#diagnose debug application ike -1
#diagnose debug enable
ike 0: ….: 75: responder: aggressive mode get 1st message…
…
ike 0: ….:76: incoming proposal:
ike 0: ….:76: proposal id = 0:
ike 0: ….:76:    protocol id= ISAKMP:
ike 0: ….:76:      trans_id = KEY_IKE.
ike 0: ….:76:      encapsulation = IKE/none
ike 0: ….:76:        type= OAKLEY_ENCRYPT_ALG, val=AES_CBC.
ike 0: ….:76:        type= OAKLEY_HASH_ALG, val=SHA2_256.
ike 0: ….:76:        type=AUTH_METHOD, val=PRESHARED_KEY.
ike 0: ….:76:        type=OAKLEY_GROUP, val=MODP2048.
ike 0: ….:76: ISAKMP SA lifetime=86400
ike 0: ….:76: my proposal, gw Remote:
ike 0: ….:76: proposal id=1:
ike 0: ….:76:    protocol id= ISAKMP:
ike 0: ….:76:      trans_id= KEY_IKE.
ike 0: ….:76:      encapsulation = IKE/none
ike 0: ….:76:        type=OAKLEY_ECNRYPT_ALG, val=DES_CBC.
ike 0: ….:76:        type=OAKLEY_HASH_ALG, val=SHA2_256.
ike 0: ….:76:        type=AUTH_METHOD, val= PRESHARED_KEY.
ike 0: ….:76:        type=OAKLEY_GROUP, val =MODP2048.
ike 0: ….:76: ISAKMP SA lifetime=86400
ike 0: ….:76: proposal id=1:
ike 0: ….:76:    protocol id= ISAKMP:
ike 0: ….:76:      trans_id= KEY_IKE.
ike 0: ….:76:      encapsulation = IKE/none
ike 0: ….:76:        type=OAKLEY_ENCRYPT_ALG, val=DES_CBC.
ike 0: ….:76:        type= OAKLEY_HASH_ALG, val=SHA2_256.
ike 0: ….:76:        type=AUTH_METHOD, val=PRESHARED_KEY.
ike 0: ….:76:        type=OAKLEY_GROUP, val=MODP1536.
ike 0: ….:76: ISAKMP SA lifetime=86400
ike 0: ….:76: negotiation failure
ike Negotiate ISAKMP SA Error: ike 0: ….:76: no SA proposal chosen
```

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 37
What configuration changes can reduce the memory utilization in a FortiGate? (Choose two.)

A. Reduce the session time to live.
B. Increase the TCP session timers.
C. Increase the FortiGuard cache time to live.
D. Reduce the maximum file size to inspect.

Answer: AD

NEW QUESTION 38
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.

Answer: AD

Explanation:
https://help.fortinet.com/fmgr/50hlp/56/5-6-2/FortiManager_Admin_Guide/1000_Device%20Manager/1200_ins
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 & 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 & 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.

NEW QUESTION 39
Which two statements about bulk configuration changes made using FortiManager CLI scripts are correct? (Choose two.)

A. When run on the Device Database, you must use the installation wizard to apply the changes to the managed FortiGate device.
B. When run on the Remote FortiGate directly, administrators do not have the option to review the changes prior to installation.
C. When run on the All FortiGate in ADOM, changes are automatically installed without the creation of a new revision history.
D. When run on the Policy Package, ADOM database, changes are applied directly to the managed FortiGate device.

Answer: AB

NEW QUESTION 41
When using the SSL certificate inspection method to inspect HTTPS traffic, how does FortiGate filter web requests when the client browser does not provide the server name indication (SNI) extension?

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

Answer: B

NEW QUESTION 44
Which two tasks are automated using the Install Wizard on FortiManager? (Choose two.)

A. Installing configuration changes to managed devices
B. Importing interface mappings from managed devices
C. Adding devices to FortiManager
D. Previewing pending configuration changes for managed devices

Answer: AD

NEW QUESTION 47
Refer to the exhibit, which contains partial outputs from two routing debug commands.

```
FortiGate # get router info routing-table database

S       0.0.0.0/0 [20/0] via 100.64.2.254, port2, [10/
S    *> 0.0.0.0/0 [10/0] via 100.64.1.254, port1

FortiGate # get router info routing-table all

S*      0.0.0.0/0 [10/0] via 100.64.1.254, port1
```

Why is the port2 default route not in the second command's output?

A. It has a higher priority value than the default route using port1.
B. It is disabled in the FortiGate configuration.
C. It has a lower priority value than the default route using port1.
D. It has a higher distance than the default route using port1.

Answer: D

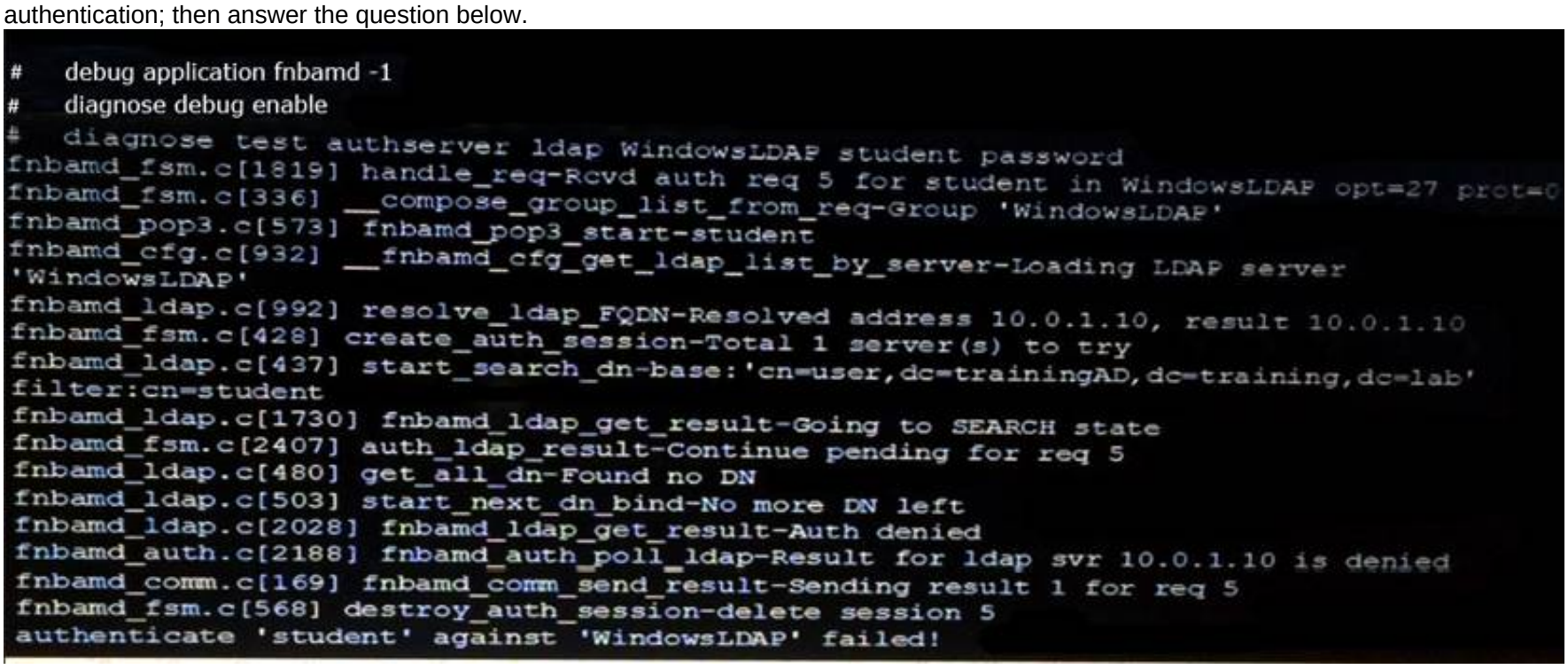
NEW QUESTION 51
The logs in a FSSO collector agent (CA) are showing the following error: failed to connect to registry: PIKA1026 (192.168.12.232)
What can be the reason for this error?

A. The CA cannot resolve the name of the workstation.
B. The FortiGate cannot resolve the name of the workstation.
C. The remote registry service is not running in the workstation 192.168.12.232.
D. The CA cannot reach the FortiGate with the IP address 192.168.12.232.

Answer: C

Explanation:
https://kb.fortinet.com/kb/documentLink.do?externalID=FD30548

NEW QUESTION 54
An LDAP user cannot authenticate against a FortiGate device. Examine the real time debug output shown in the exhibit when the user attempted the authentication; then answer the question below.



Based on the output in the exhibit, what can cause this authentication problem?

A. User student is not found in the LDAP server.
B. User student is using a wrong password.
C. The FortiGate has been configured with the wrong password for the LDAP administrator.
D. The FortiGate has been configured with the wrong authentication schema.

Answer: A

NEW QUESTION 59
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 62
Which real time debug should an administrator enable to troubleshoot RADIUS authentication problems?

A. Diagnose debug application radius -1.
B. Diagnose debug application fnbamd -1.
C. Diagnose authd console –log enable.
D. Diagnose radius console –log enable.

Answer: B

Explanation:
https://kb.fortinet.com/kb/documentLink.do?externalID=FD32838

NEW QUESTION 63
Examine the output from the BGP real time debug shown in the exhibit, then the answer the question below:

```
#  diagnose ip router bgp all enable
#  diagnose ip router bgp level info
#  diagnose debug enable
"BGP: 10.200.3.1-Outgoing [DECODE] KAlive: Received!"
"BGP: 10.200.3.1-Outgoing [FSM] State: OpenConfirm Event: 26"
"BGP: 10.200.3.1-Outgoing [DECODE] Msg-Hdr: type 2, length 56"
"BGP: 10.200.3.1-Outgoing [DECODE] Update: Starting UPDATE decoding... Byt
(37), msg_size (37)"
"BGP: 10.200.3.1-Outgoing [DECODE] Update: NLRI Len(13)"
"BGP: 10.200.3.1-Outgoing [FSM] State: Established Event: 27"
"BGP: 10.200.3.1-Outgoing [RIB] Update: Received Prefix 0.0.0.0/0"
"BGP: 10.200.3.1-Outgoing [RIB] Update: Received Prefix 10.200.4.0/24"
"BGP: 10.200.3.1-Outgoing [RIB] Update: Received Prefix 10.200.3.0/24"
"BGP: 10.200.3.1-Outgoing [RIB] Update: Received Prefix 10.0.2.0/24"
"BGP: 10.200.3.1-Outgoing [FSM] State: Established Event: 34"
"BGP: 10.200.3.1-Outgoing [ENCODE] Msg-Hdr: Type 2"
"BGP: 10.200.3.1-Outgoing [ENCODE] Attr IP-Unicast: Tot-attr-len 20"
"BGP: 10.200.3.1-Outgoing [ENCODE] Update: Msg #5 Size 55"
"BGP: 10.200.3.1-Outgoing [FSM] State: Established Event: 34"
```

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 66
View the exhibit, which contains a session entry, and then answer the question below.

```
session info: proto=1 proto_state=00 duration=1 expire=59 timeout=0 flags=00000000
sockflag=00000000 sockport=0 av_idx=0 use=3
origin-shaper=
reply-shaper=
per_ip_shaper=
ha_id=0 policy_dir=0 tunnel=/ vlan_cos=0/255
state=log may_dirty none
statistic(bytes/packets/allow_err): org=168/2/1 reply=168/2/1 tuples=2
tx speed(Bps/kbps): 97/0 rx speed(Bps/kbps): 97/0
orgin->sink: org pre->post, reply pre->post dev=9->3/3->9 gwy=10.200.1.254/10.1.0.1
hook=post dir=org act=snat 10.1.10.10:40602->10.200.5.1:8(10.200.1.254/10.1.0.1
hook=pre dir=reply act=dnat 10.200.5.1:60430->10.200.1.1:0(10.1.10.10:40602)
misc=0 policy_id=1 auth_info=0 chk_client_info=0 vd=0
serial=0002a5c9 tos=ff/ff app_list=0 app=0 url_cat=0
dd_type=0 dd_mode=0
```

Which statement is correct regarding this session?

A. It is an ICMP session from 10.1.10.10 to 10.200.1.1.
B. It is an ICMP session from 10.1.10.10 to 10.200.5.1.
C. It is a TCP session in ESTABLISHED state from 10.1.10.10 to 10.200.5.1.
D. It is a TCP session in CLOSE_WAIT state from 10.1.10.10 to 10.200.1.1.

Answer: B

NEW QUESTION 68
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 69
Which the following events can trigger the election of a new primary unit in a HA cluster? (Choose two.)

A. Primary unit stops sending HA heartbeat keepalives.
B. The FortiGuard license for the primary unit is updated.
C. One of the monitored interfaces in the primary unit is disconnected.
D. A secondary unit is removed from the HA cluster.

Answer: AC

NEW QUESTION 72
An administrator is running the following sniffer in a FortiGate: diagnose sniffer packet any “host 10.0.2.10” 2
What information is included in the output of the sniffer? (Choose two.)

A. Ethernet headers.
B. IP payload.
C. IP headers.
D. Port names.

Answer: BC

Explanation:
https://kb.fortinet.com/kb/documentLink.do?externalID=11186

NEW QUESTION 77
Refer to the exhibit, which contains the partial output of a diagnose command.

```
Spoke-2 # dia vpn tunnel list
list all ipsec tunnel in vd 0
------------------------------------------------------------------------------------------
name=VPN ver=1 serial=1 10.200.5.1:0 -> 10.200.4.1:0
bound_if=3 lgwy=statistic/1 tun=intf/0 mode=auto/1 encap=none/0
proxyid_num=1 child_num=0 refernt=15 ilast-10 olast=792 auto-discovery=0
stat: rxp=0 txp=0 rxb=0 txb=0
dpd: mode=on-demand on=1 idle=20000ms retry=3 count=0 seqmo=0
natt: mode=none draft=0 interval=0 remote_port=0
proxyid=VPN proto=0 sa=1 ref=2 serial=1
     src: 0:10.1.2.0/255.255.255.0:0
     dat: 0:10.1.1.0/255.255.255.0:0
     SA: ref=3 options=2e type=00 soft=0 mtu=1438 expire=42403/OB replaywin=204B seqno=1
esn=replaywin_lastseq=00000000
     life: type=01 bytes=0/0 timeout=43177/43200
     dec: spi=ccc1f66d esp=aes key=16 280e5cd6f9bacc65ac771556c464ffbd
          ah=sha1 key=20 c68091d68753578785de6a7a6b276b506e527
```

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 82
Which two configuration settings change the behavior for content-inspected traffic while FortiGate is in conserve mode? (Choose two.)

A. IPS failopen
B. mem failopen
C. AV failopen
D. UTM failopen

Answer: AC

NEW QUESTION 83
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.

Answer: D

NEW QUESTION 88
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