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QUESTION 1

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.

Correct Answer: C

QUESTION 2

A FortiGate device has the following LDAP configuration:

```
config user ldap
    edit "WindowsLDAP"
        set server "10.0.1.10"
        set cnid "cn"
        set dn "cn=user, dc=trainingAD, dc=training, dc=lab"
        set type regular
        set username "cn=administrator, cn=users, dc=trainingAD,
dc=training, dc=lab"
        set password xxxxx
    next
end
```

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

```
#diagnose debug application fnbamd -1
#diagnose debug enable
#diagnose test authserver ldap WindowsLDAP student password
fnbamd_fsm.c[1819] handle_req-Rcvd auth req 4 for student in WindowsLDAP
opt=27 prot=0
fnbamd_fsm.c[336]_compose _group_list_from_req_Group 'WindowsLDAP'
fnbamd_pop3.c[573] fnband_pop3_start-student
fnbamd_cfg.c[932] fnbamd_cfg-get_ldap_;ist_by_server-Loading LDAP server
'WindowsLDAP'
fnbamd_ldap.c[992] resolve_ldap_FQDN-Resolved address 10.0.1.10, result 10.0.1.10
fnbamd_fsm.c[428] create_ auth_session-Total 1 server (s) to try
fnbamd_ldap.c[1700] fnbamd_ldap_get_result-Error in ldap result: 49
(Invalid credentials)
fnbamd_ldap.c[2028] fnbamd_ldap_get_result-Auth denied
fnbamd_auth.c[2188] fnbamd_auth_poll_ldap-Result for ldap svr 10.0.1.10 is denied
fnbamd_comm.c[169] fnbamd_comm_send_result-Sending result 1 for req 4
fnbamd_fsm.c[568] destroy_auth_session-delete session 4
authenticate 'student' against 'WindowsLDAP' failed!
```

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

A. cnid.

B. username.

C. password.

D. dn.

Correct Answer: BC

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

QUESTION 3

Examine the output of the `get router info ospf neighbor\\' command shown in the exhibit; then answer the question below.

```
# get router info ospf neighbor

OSPF process 0:
Neighbor ID    Pri   State         Dead Time   Address        Interface
0.0.0.69        1    Full/DR       00:00:32    10.126.0.69    wan1
0.0.0.117       1    Full/DROther  00:00:34    10.126.0.117   wan1
0.0.0.2         1    Full/ -       00:00:36    172.16.1.2     ToRemote
```

Which statements are true regarding the output in the exhibit? (Choose two.) Refer to the exhibit, which shows the output of a debug command. Which statement about the output is true?

A. TheOSPF routers with the IDs 0.0.0.69 and 0.0.0.117 are both designated routers for the war. I network.

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 designated router for the wan1 network.

D. The interface ToRemote is a point-to-point OSPF network.

Correct Answer: D

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

QUESTION 4

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.

Correct Answer: A

http://docslegacy.fortinet.com/fos40hlp/43prev/wwhelp/wwhimpl/common/html/wwhelp.htm?context=f gtandfile=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.

QUESTION 5

Which statement about IKE and IKE NAT-T is true?

A. IKE is used to encapsulate ESP traffic in some situations, and IKE NAT-T is used only when the local FortiGate is using NAT on the IPsec interface.

B. IKE is the standard implementation for IKEv1 and IKE NAT-T is an extension added in IKEv2.

C. They both use UDP as their transport protocol and the port number is configurable.

D. They each use their own IP protocol number.

Correct Answer: C

Explanation: IKE without NAT-T runs over UDP port 500. IKE with NAT-T runs over UDP port 4500. It can be configurable - https://docs.fortinet.com/document/fortigate/7.0.0/new- features/33578/configurable-ike-port

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