NSE7_EFW-6.4^{Q&As}

Fortinet NSE 7 - Enterprise Firewall 6.4

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QUESTION 1

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:

```
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
```

```
#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 2

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.

Correct Answer: C

QUESTION 3

Examine the following routing table and BGP configuration; then answer the question below.

```
#get router info routing-table all
*0.0.0.0/0 [10/0] via 10.200.1.254, port1
C10.200.1.0/24 is directly connected, port1
S192.168.0.0/16 [10/0] via 10.200.1.254, port1
# show router bgp
config router bgp
set as 65500
set router-id 10.200.1.1
set network import check enable
set ebgp-miltipath disable
config neighbor
edit "10.200.3.1"
set remote-as 65501
next
end
config network
edit1
```

TheBGP connection is up, but the local peer is NOT advertising the prefix 192.168.1.0/24. Which configuration change will make the local peer advertise this prefix?

A. Enable the redistribution of connected routers into BGP.

B. Enable the redistribution of static routers into BGP.

C. Disable the setting network-import-check.

D. Enable the setting ebgp-multipath.

Correct Answer: C

QUESTION 4

What conditions are required for two FortiGate devices to form an OSPF adjacency? (Choose three.)

A. IP addresses are in the same subnet.

B. Hello and dead intervals match.

C. OSPF IP MTUs match.

D. OSPF peer IDs match.

E. OSPF costs match.

Correct Answer: ABC

https://help.fortinet.com/fos50hlp/54/Content/FortiOS/fortigate-advanced-routing- 54/Routing_OSPF/
OSPF_Background_Concepts.htm#Adjacenc

QUESTION 5

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://docs-legacy.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.