



Vendor: Fortinet

Exam Code: NSE7

Exam Name: Fortinet Troubleshooting Professional

Version: DEMO

QUESTION 1

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.

```
# debug application fnbamd -1
# diagnose debug enable
# diagnose test authserver ldap WindowsLDAP student password
fnbamd_fsm.c[1819] handle_req-Rcvd auth req 5 for student in WindowsLDAP opt=27 prot=0
fnbamd_fsm.c[336] __compose_group_list_from_req-Group 'WindowsLDAP'
fnbamd_pop3.c[573] fnbamd_pop3_start-student
fnbamd_cfg.c[932] __fnbamd_cfg_get_ldap_list_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[437] start_search_dn-base:'cn=user,dc=trainingAD,dc=lab'
filter:cn=student
fnbamd_ldap.c[1730] fnbamd_ldap_get_result-Going to SEARCH state
fnbamd_fsm.c[2407] auth_ldap_result-Continue pending for req 5
fnbamd_ldap.c[480] get_all_dn-Found no DN
fnbamd_ldap.c[503] start_next_dn_bind-No more DN left
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 5
fnbamd_fsm.c[568] destroy_auth_session-delete session 5
authenticate 'student' against 'WindowsLDAP' failed!
```

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

QUESTION 2

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

```
# 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_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=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: B

QUESTION 3

Examine the following partial outputs from two routing debug commands; then answer the question below.

```
# get router info routing-table database
s 0.0.0.0/0 [20/0] via 10.200.2.254, port2, [10/0]
s *> 0.0.0.0/0 [10/0] via 10.200.1.254, port1
# get router info routing-table all
s* 0.0.0.0/0 [10/0] via 10.200.1.254, port1
```

Why the default route using port2 is not displayed in the output of the second command?

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

Answer: A

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