Fortinet

Exam Questions FCSS_LED_AR-7.6

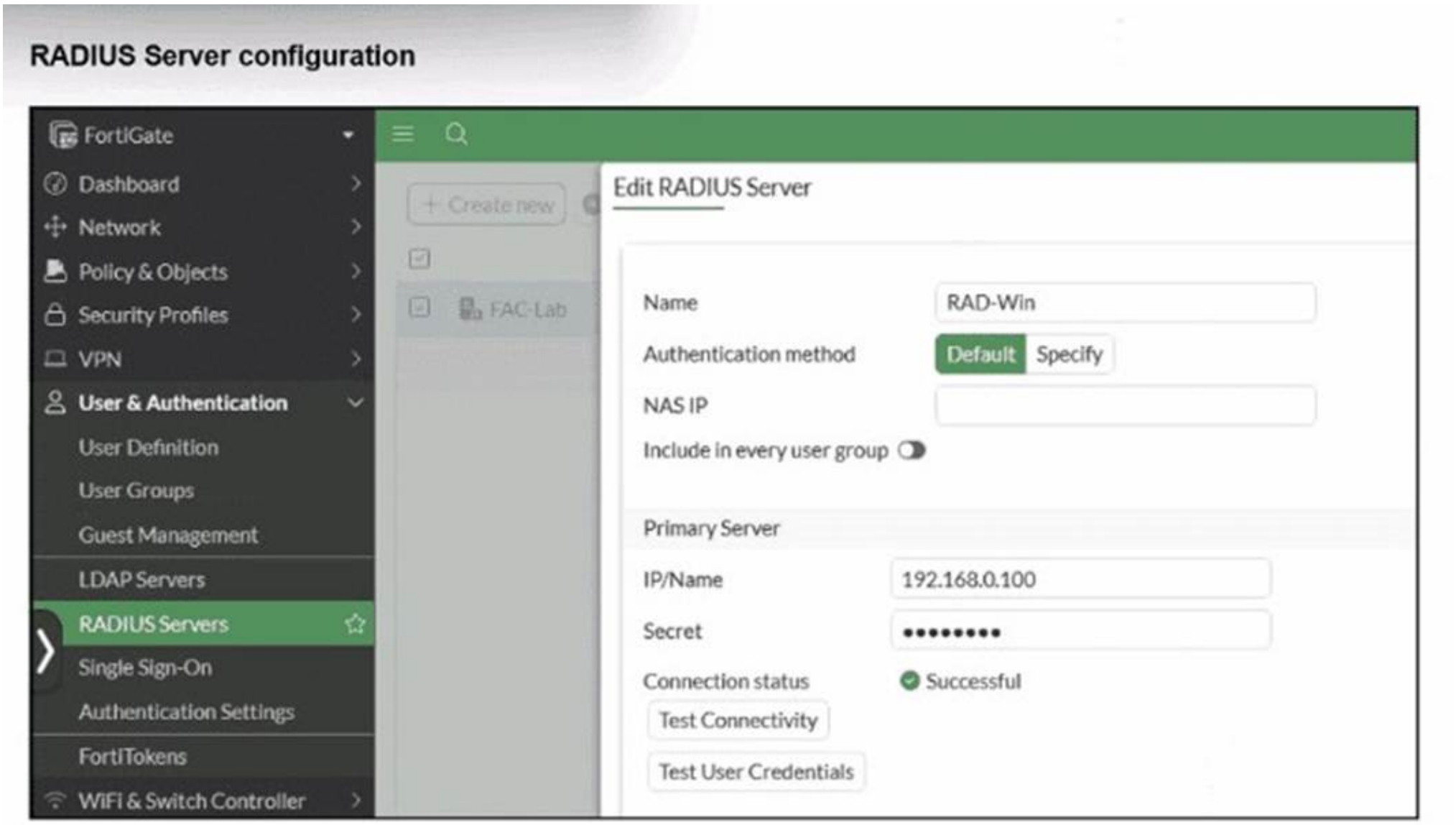
FCSS - LAN Edge 7.6 Architect

NEW QUESTION 1
Which FortiGuard licenses are required for FortiLink device detection to enable device identification and vulnerability detection?

A. FortiGuard Vulnerability Management and FortiGuard Endpoit Protection
B. FortiGuard Threat Intelligence and FortiGuard loT Detection
C. FortiGuard Threat Intelligence and FortiGuard Endpoint Protection
D. FortiGuard Attack Surface Security and FortiGuard loT Detection

Answer: D

NEW QUESTION 2
Refer to the exhibit.

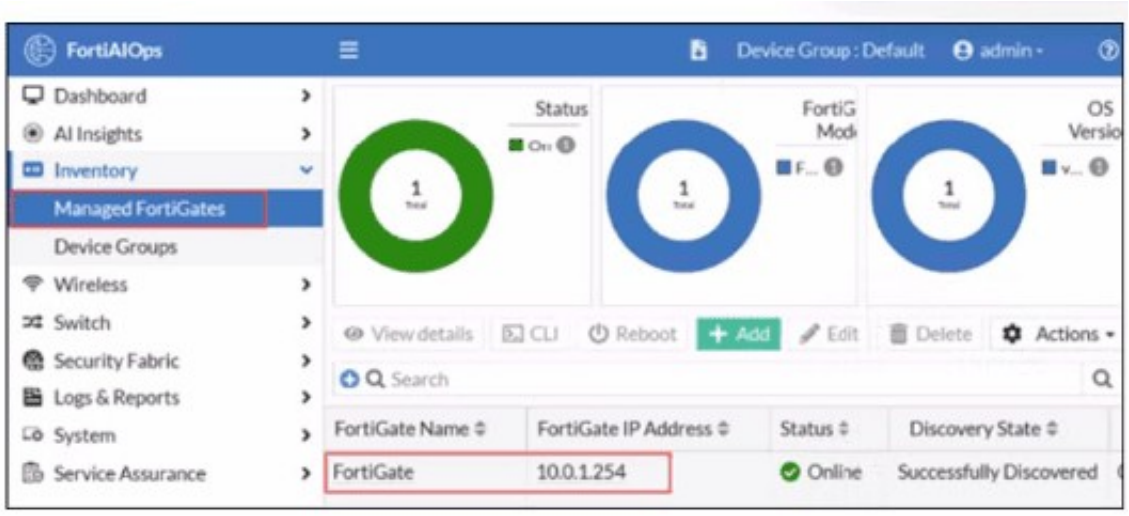


On FortiGate, a RADIUS server is configured to forward authentication requests to FortiAuthenticator, which acts as a RADIUS proxy. FortiAuthenticator then relays these authentication requests to a remote Windows AD server using LDAP.
While testing authentication using the CLI command diagnose test authserver. the administrator observed that authentication succeeded with PAP but failed when using MS- CHAFV2.
Which two solutions can the administrator implement to enable MS-CHAPv2 authentication? (Choose two.)

A. Change the FortiGate authentication method to CHAP instead of MS-CHAPv2.
B. Enable Windows Active Directory domain authentication on FortiAuthenticator.
C. Enable RADIUS attribute filtering on FortiAuthenticator.
D. Configure FortiAuthenticator to use RADIUS instead of LDAP as the back-end authentication server

Answer: AD

NEW QUESTION 3
FortiGate has been added to FortiAIOps for management.



Which step must be performed on FortiAIOps to add a FortiSwitch device connected to the recently added FortiGate?

A. Add the FortiSwitch device by submitting its serial number.
B. FortiAIOps requires that the FortiSwitch IP address is submitted.
C. FortiSwitch is added automatically.
D. Configure the FortiSwitch IP address, user ID, and password

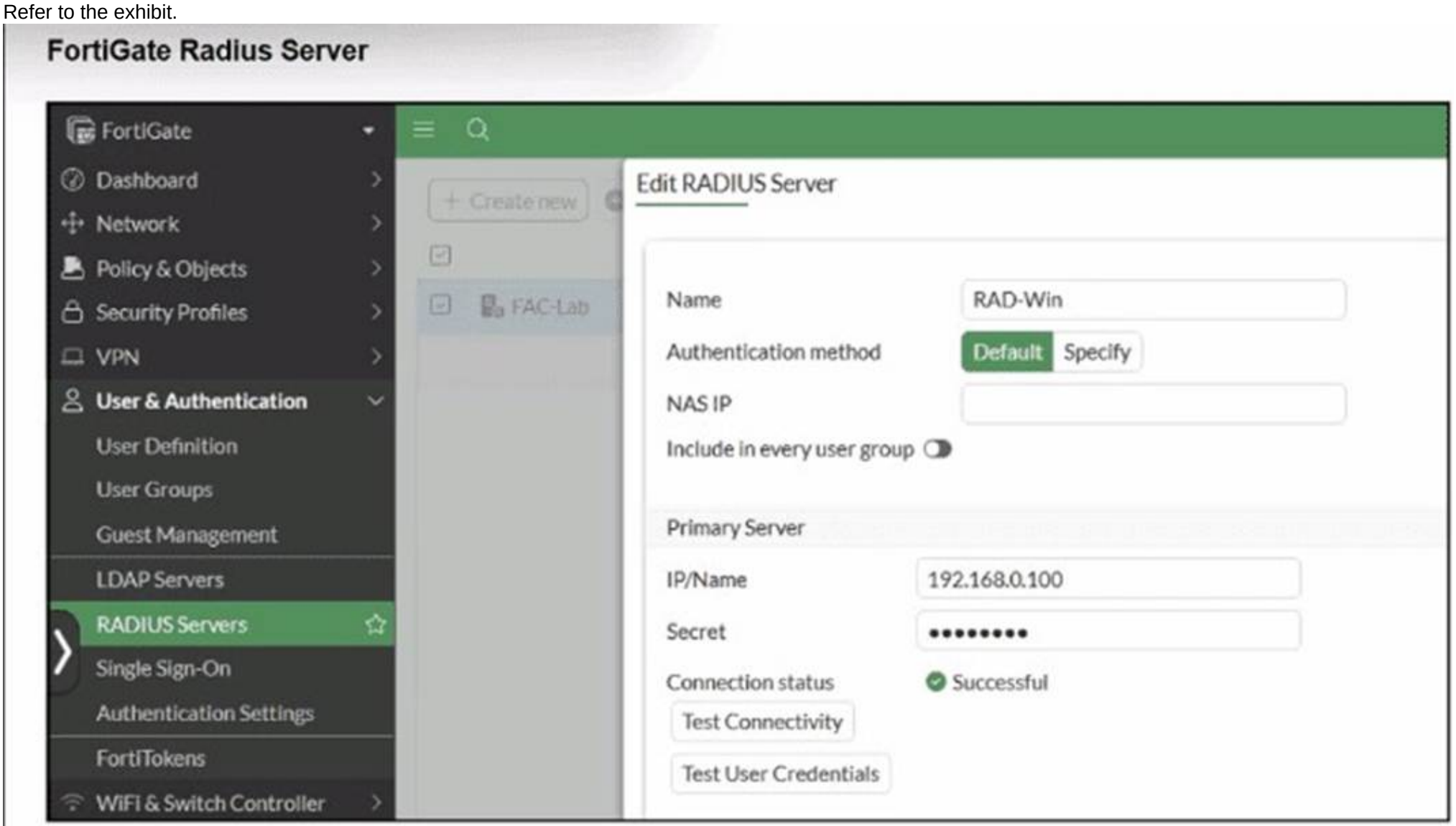
Answer: C

NEW QUESTION 4
You are troubleshooting a Syslog-based single sign-on (SSO) issue on FortiAuthenticator, where user authentication is not being correctly mapped from the syslog messages. You need a tool to diagnose the issue and understand the logs to resolve it quickly.
Which tool in FortiAuthenticator can you use to troubleshoot and diagnose a Syslog SSO issue?

A. Debug logs > Remote Servers > Syslog Viewer
B. Parsing Test Tool
C. Debug logs > SSO Sessions page
D. Debug logs > Single Sign-On > Syslog SSO

Answer: D

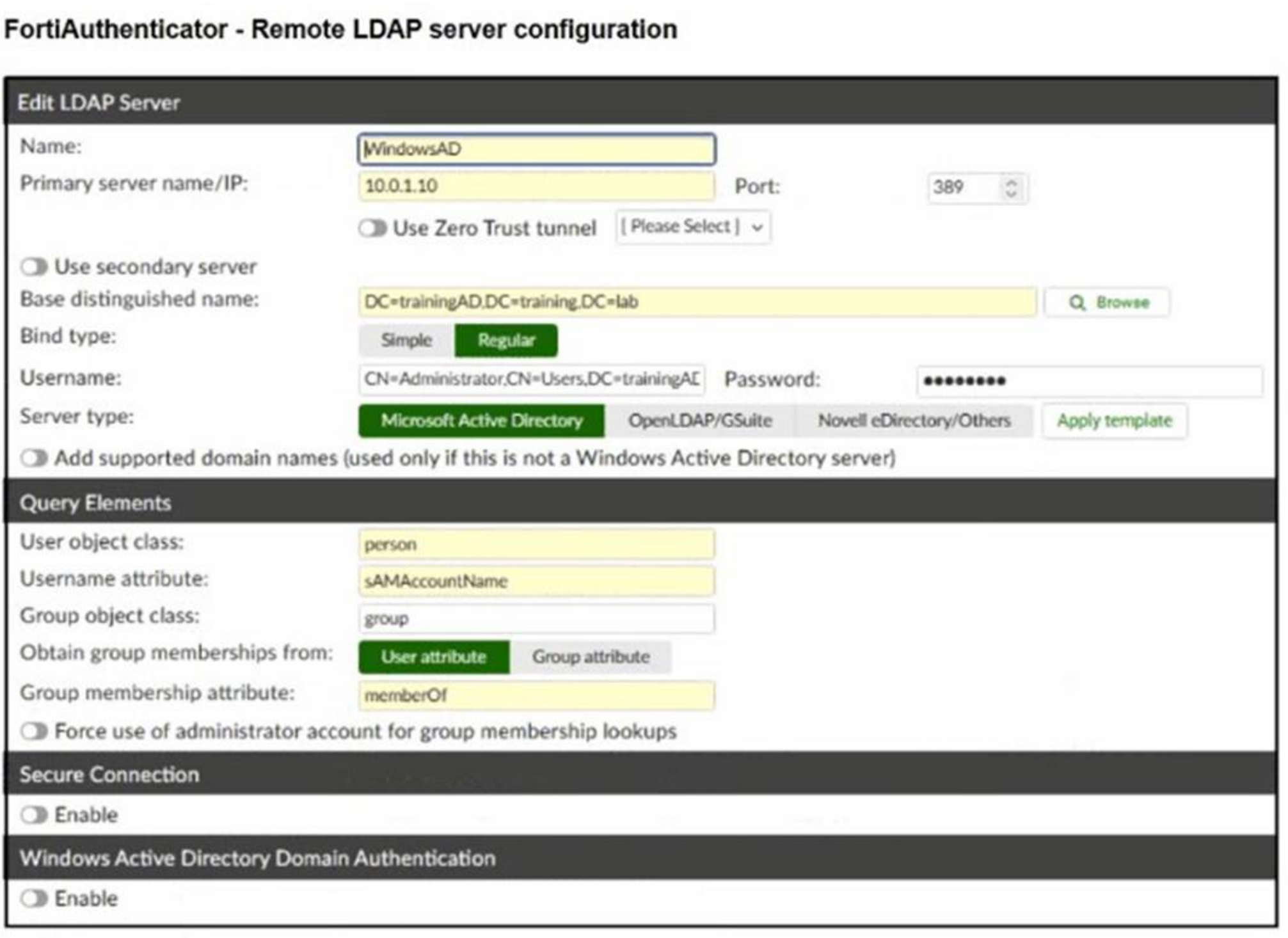
NEW QUESTION 5
Refer to the exhibit.



FortuiGate CLI RADIUS server test

```
FortiGate #
FortiGate # diagnose test authserver radius FAC-Lab pap wifi101 password
authenticate 'wifi101' against 'pap' succeeded, server=primary assigned_rad_session_id=19718280638473 session_timeout=0 secs idle_timeout=0 secs!

FortiGate # diagnose test authserver radius FAC-Lab mschap2 wifi101 password
authenticate 'wifi101' against 'mschap2' failed, assigned_rad_session_id=19718280638474 session_timeout=0 secs idle_timeout=0 secs!
```



A RADIUS server has been successfully configured on FortiGate, which sends RADIUS authentication requests to FortiAuthenticator. FortiAuthenticator, in turn, relays the authentication using LDAP to a Windows Active Directory server.
It was reported that wireless users are unable to authenticate successfully.
The FortiGate configuration confirms that it can connect to the RADIUS server without issues.
While testing authentication on FortiGate using the command diagnose test authserver radius, it was observed that authentication succeeds with PAP but fails with MSCHAPv2.
Additionally, the Remote LDAP Server configuration on FortiAuthenticator was reviewed. Which configuration change might resolve this issue?

A. Change the RADIUS authentication protocol to CHAP
B. Enable Windows Active Directory Domain Authentication.
C. Manually add user credentials to the FortiAuthenticator local database
D. Use RADIUS attributes under the FortiGate configuration.

Answer: B

NEW QUESTION 6
A network engineer is deploying FortiGate devices using zero-touch provisioning (ZTP). The devices must automatically connect to FortiManager and receive their configurations upon first boot. However, after powering on the devices, they fail to register with FortiManager.
What could be a possible cause of this issue?

A. The FortiGate device requires manual intervention to accept the FortiManager connection.
B. In this scenario, the ZTP process works only when devices are connected using a console cable.
C. The FortiGate device must be preloaded with a configuration file before ZTP can function.
D. The FortiManager IP address is not reachable over TCP port 541.

Answer: D

NEW QUESTION 7
Your office wants to set up a Wi-Fi network for visitors. Your company would like to require them to log in for (racking purposes. Which two types of captive portals could be enabled on an interface? (Choose two.)

A. Terms Acknowledgment Without Authentication
B. Email Notification Only
C. Disclaimer + Authentication
D. Guest Pass Access
E. Authentication

Answer: AE

NEW QUESTION 8
A FortiSwitch is not appearing in the FortiGate management interface after being connected via FortiLink. What could be a first troubleshooting step?

A. Ensure that the FortiGate security policies allow traffic from the FortiSwitch.
B. Manually assign a static IP to the FortiSwitch.
C. Verify that FortiGate device DHCP server is assigning an IP to the FortiSwitch.
D. Ensure the FortiSwitch has internet access.

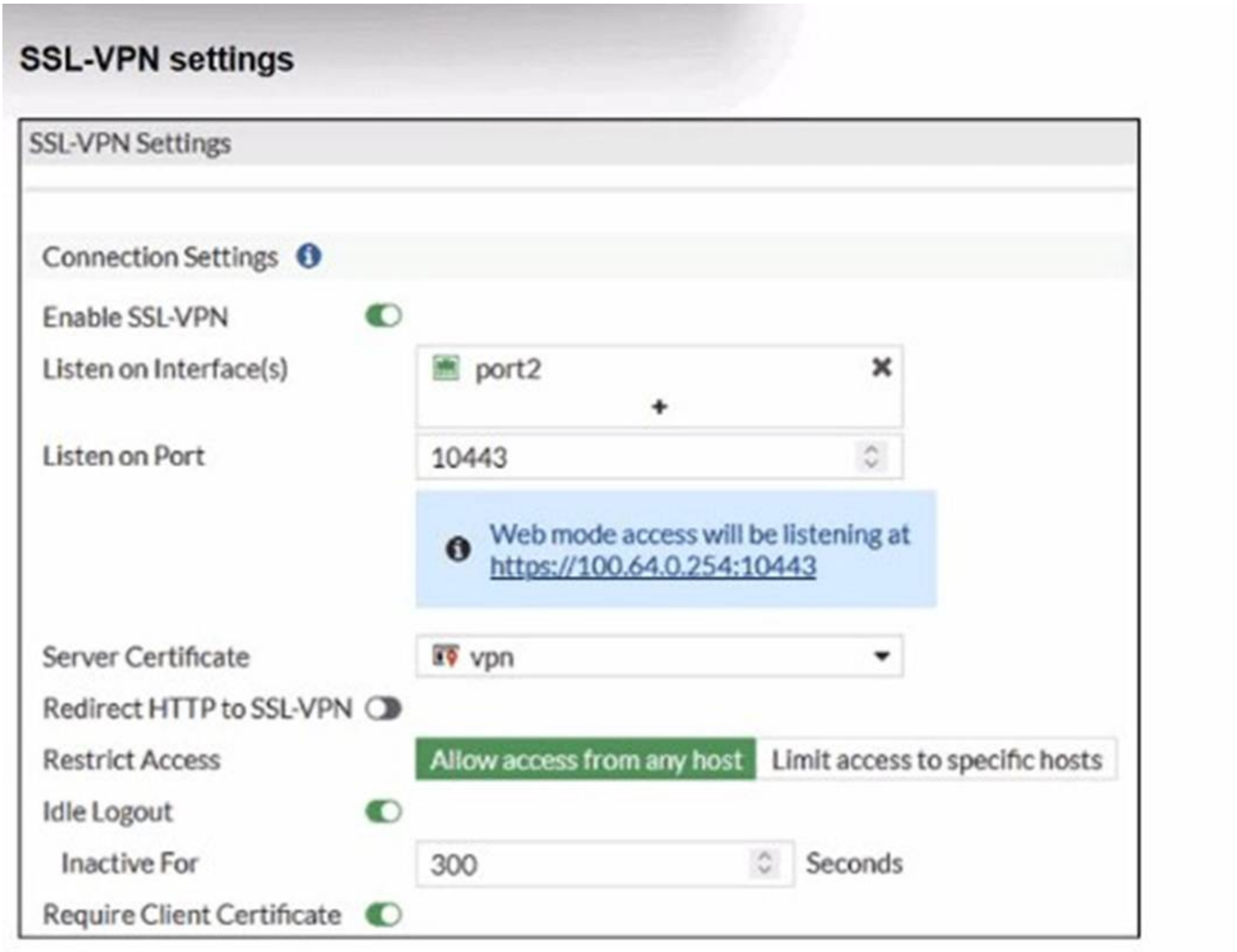
Answer: C

NEW QUESTION 9
You are deploying a FortiSwitch device managed by FortiGate in a secure network environment. To ensure accurate communication, you must identify which protocols are required for communication and control between FortiGate and FortiSwitch.
Which three protocols are used by FortiGate to manage and control FortiSwitch devices? (Choose three.)

A. SNMP can be used by FortiGate to manage FortiSwitch devices by monitoring their status.
B. UHTTPS is usea;by FortiGate to securely manage and configure FortiSwitch devices.
C. FortiGate uses the Fortilink protocol to establish communication with FortiSwitch.
D. CAPWAP is used to establish the control channel between FortiSwitch and FortiGate.
E. IGMP is required for managing communication between FortiGate and FortiSwitch devices in multicast environments.

Answer: BCD

NEW QUESTION 10
Refer to the exhibits.



Real-Time debug output

```
FortiGate # diagnose debug application fnbamd -1
Debug messages will be on for 30 minutes.

FortiGate # diagnose debug enable

FortiGate # [2341] handle_req-Rcvd auth_cert req id=1288058918, len=1104, opt=0
[948] __cert_auth_ctx_init-req_id=1288058918, opt=0
[103] __cert_chg_st- 'Init'
[140] fnbamd_cert_load_certs_from_req-1 cert(s) in req.
[99] __cert_chg_st- 'Init' -> 'Chain-Build'
[683] __cert_build_chain-req_id=1288058918
[200] fnbamd_chain_build-Chain discovery, opt 0x17, cur total 1
[216] fnbamd_chain_build-Following depth 0
[271] fnbamd_chain_build-Extend chain by system trust store. (no luck)
[283] fnbamd_chain_build-Extend chain by remote CA cache. (no luck)
[99] __cert_chg_st- 'Chain-Build' -> 'CA-Query'
[777] __cert_ca_query-req_id=1288058918
[769] fnbamd_need_CA_query-Do CA query?0
[793] __cert_ca_query_do_next-req_id=1288058918
[99] __cert_chg_st- 'CA-Query' -> 'Validation'
[804] __cert_verify-req_id=1288058918
[805] __cert_verify-Chain is not complete.
[200] fnbamd_chain_build-Chain discovery, opt 0x7, cur total 1
[216] fnbamd_chain_build-Following depth 0
[271] fnbamd_chain_build-Extend chain by system trust store. (no luck)
[283] fnbamd chain build-Extend chain by remote CA cache. (no luck)
```

Real-Time debug output

```
[396] fnbamd_cert_verify-Chain number:1
[410] fnbamd_cert_verify-Following cert chain depth 0
[676] fnbamd_cert_check_group_list-checking group with name 'SSLVPN'
[490] __check_add_peer-check 'student'
[460] __quick_check_peer-CA does not match.
[498] __check_add_peer-'student' check ret:bad
[193] __get_default_ocsp_ctx-def_ocsp_ctx=(nil), no_ocsp_query=0, ocsp_enabled=0
[841] __cert_verify_do_next-req_id=1288058918
[99] __cert_chg_st- 'Validation' -> 'Done'
[886] __cert_done-req_id=1288058918
[1652] fnbamd_auth_session_done-Session done, id=1288058918
[931] __fnbamd_cert_auth_run-Exit, req_id=1288058918
[1689] create_auth_cert_session-fnbamd_cert_auth_init returns 0, id=1288058918
[1608] auth_cert_success-id=1288058918
[1031] fnbamd_cert_auth_copy_cert_status-req_id=1288058918
[833] fnbamd_cert_check_matched_groups-checking group with name 'SSLVPN'
[903] fnbamd_cert_check_matched_groups-not matched
[1070] fnbamd_cert_auth_copy_cert_status-Leaf cert status is unchecked.
[1087] fnbamd_cert_auth_copy_cert_status-Issuer of cert depth 0 is not deteced in CMDB.
[1158] fnbamd_cert_auth_copy_cert_status-Cert st 2040, req_id=1288058918
[217] fnbamd_comm_send_result-Sending result 0 (nid 672) for req 1288058918, len=2144
[1553] destroy_auth_cert_session-id=1288058918
[1004] fnbamd_cert_auth_uninit-req_id=1288058918
```

Which include debug output and SSL VPN configuration details.
An SSL VPN has been configured on FortiGate. To enhance security, the administrator enabled Required Client Certificate in the SSL VPN settings. However, when a user attempts to connect, authentication fails.
Which configuration change is needed to fix the issue and allow the user to connect?

A. Enable Redirect HTTP to SSL-VPN on the SSL VPN configuration page.

B. Import the CA that signed the SSL VPN Server Certificate to FortiGate.
C. Set the user certificate as the Server Certificate on the SSL VPN configuration page.
D. Import the CA that signed the user certificate to FortiGate.

Answer: D

NEW QUESTION 10
What is the primary function of FortiLink NAC in a LAN environment?

A. To extend security policies across FortiGate firewalls only
B. To automate device onboarding and verify security posture
C. To manage FortiSwitch devices and apply manual firewall rules
D. To ensure devices are manually placed in VLANs based on their user roles

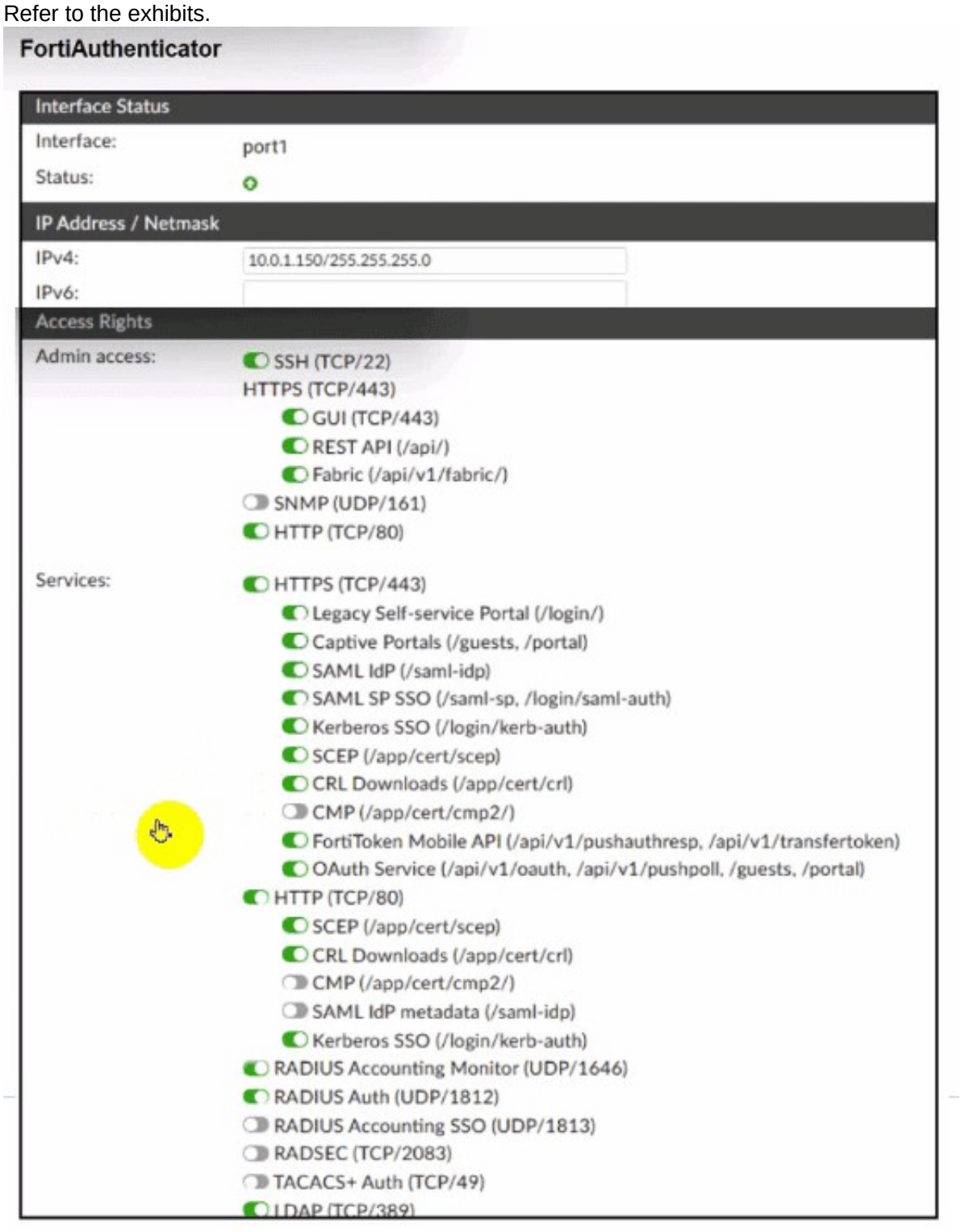
Answer: B

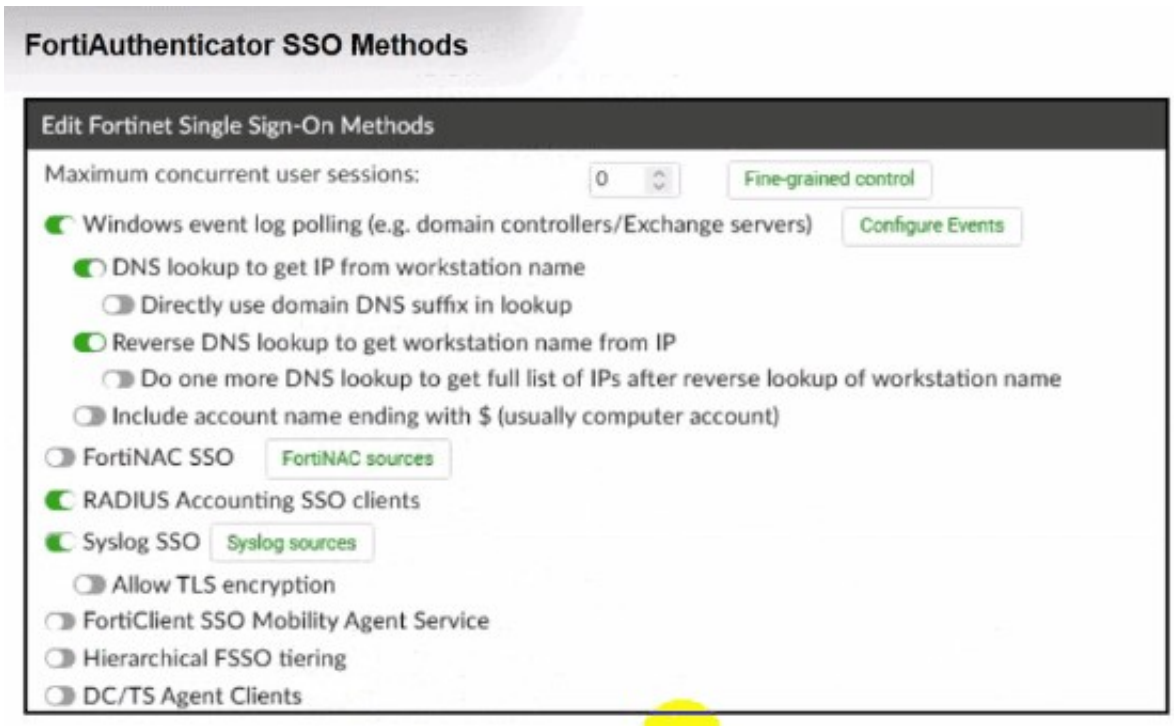
NEW QUESTION 14
APs have been manually configured to connect to FortiGate over an IPsec network, and FortiGate successfully detects and authorizes them. However, the APs remain unmanaged because FortiGate is unable to establish a CAPWAP tunnel with them.
What configuration change can resolve this issue and enable FortiGate to establish the CAPWAP tunnel over the IPsec connection?

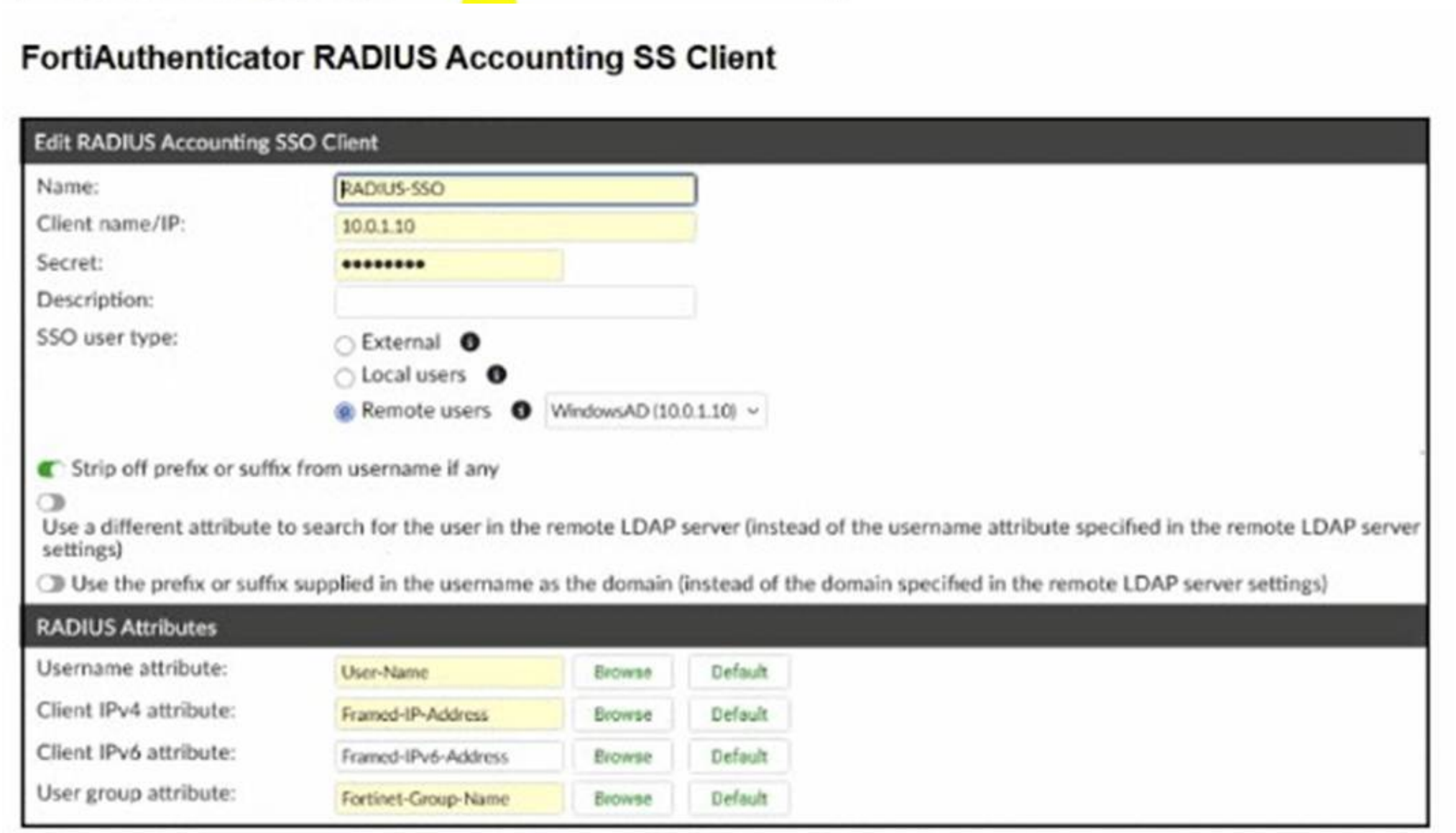
A. Configure a static route on FortiGate to reach the APs over the IPsec tunnel.
B. Assign a custom AP profile for the remote APs with the set mpls-connection option enabled.
C. Decrease the CAPWAP tunnel MTU size for APs to prevent fragmentation.
D. Upgrade the FortiAP firmware image to ensure compatibility with the FortiOS version.

Answer: B

NEW QUESTION 19
Refer to the exhibits.







A company has multiple FortiGate devices deployed and wants to centralize user authentication and authorization. The administrator decides to use FortiAuthenticator to convert RSSO messages to FSSO, allowing all FortiGate devices to receive user authentication updates.
After configuring FortiAuthenticator to receive RADIUS accounting messages, users can authenticate, but FortiGate does not enforce the correct policies based on user groups. Upon investigation, the administrator discovers that FortiAuthenticator is receiving RADIUS accounting messages from the RADIUS server and successfully queries LDAP for user group information. But, FSSO updates are not being sent to FortiGate devices and FortiGate firewall policies based on FSSO user groups are not being applied.
What is the most likely reason FortiGate is not receiving FSSO updates?

A. The RADIUS Username and Client IPv4 attributes are not defined on FortiAuthenticator.
B. The LDAP server is not configured to retrieve group memberships for RSSO users.
C. FortiAuthenticator is missing the FSSO user group attribute in the configuration.
D. The FortiAuthenticator interface is not enabled to receive RADIUS accounting messages.

Answer: A

NEW QUESTION 23
You've configured the FortiLink interface, and the DHCP server is enabled by default.

```
config system dhcp server
    edit 1
        set ntp-service local
        set default-gateway 169.254.1.1
        set netmask 255.255.255.0
        set interface "fortilink"
        config ip-range
            edit 1
                set start-ip 169.254.1.2
                set end-ip 169.254.1.254
            next
        end
        set vci-match enable
        set vci-string "FortiSwitch" "FortiExtender"
    next
end
```

The resulting DHCP server settings are shown in the exhibit. What is the role of the vci-string setting in this configuration?

A. To ignore DHCP requests coming from FortiSwitch and FortiExtender devices.
B. To restrict the IP address assignment to devices that have FortiSwitch or FortiExtender as their hostname.
C. To connect, devices must match the VCI string; otherwise, they will not receive an IP address.
D. To reserve IP addresses for FortiSwitch and FortiExtender devices.

Answer: C

NEW QUESTION 24
Refer to the exhibits.

VAP configuration

```
config wireless-controller vap
    edit "Corporate"
        set ssid "Corp"
        set security wpa2-only-enterprise
        set auth radius
        set radius-server "FAC-Lab"
        set intra-vap-privacy enable
        set schedule "always"
        set vlan-pooling wtp-group
        config vlan-pool
            edit 101
                set wtp-group "Floor_1"
            next
            edit 102
                set wtp-group "Office"
            next
        end
    next
end
```

Wi-Fi zone table

WiFi SSID 7				
	Corp (Corporate)	WiFi SSID		0.0.0.0/0.0.0.0
	Corp.101	VLAN		0.0.0.0/0.0.0.0
	Corp.102	VLAN		10.0.20.1/255.255.255.0
	wqtn.5.Corporat	VLAN		0.0.0.0/0.0.0.0
	Guest (Guest)	WiFi SSID		0.0.0.0/0.0.0.0
	Student01 (Student01)	WiFi SSID		0.0.0.0/0.0.0.0
Zone 1				
	Corp.zone	Zone	Corp.101 Corp.102	

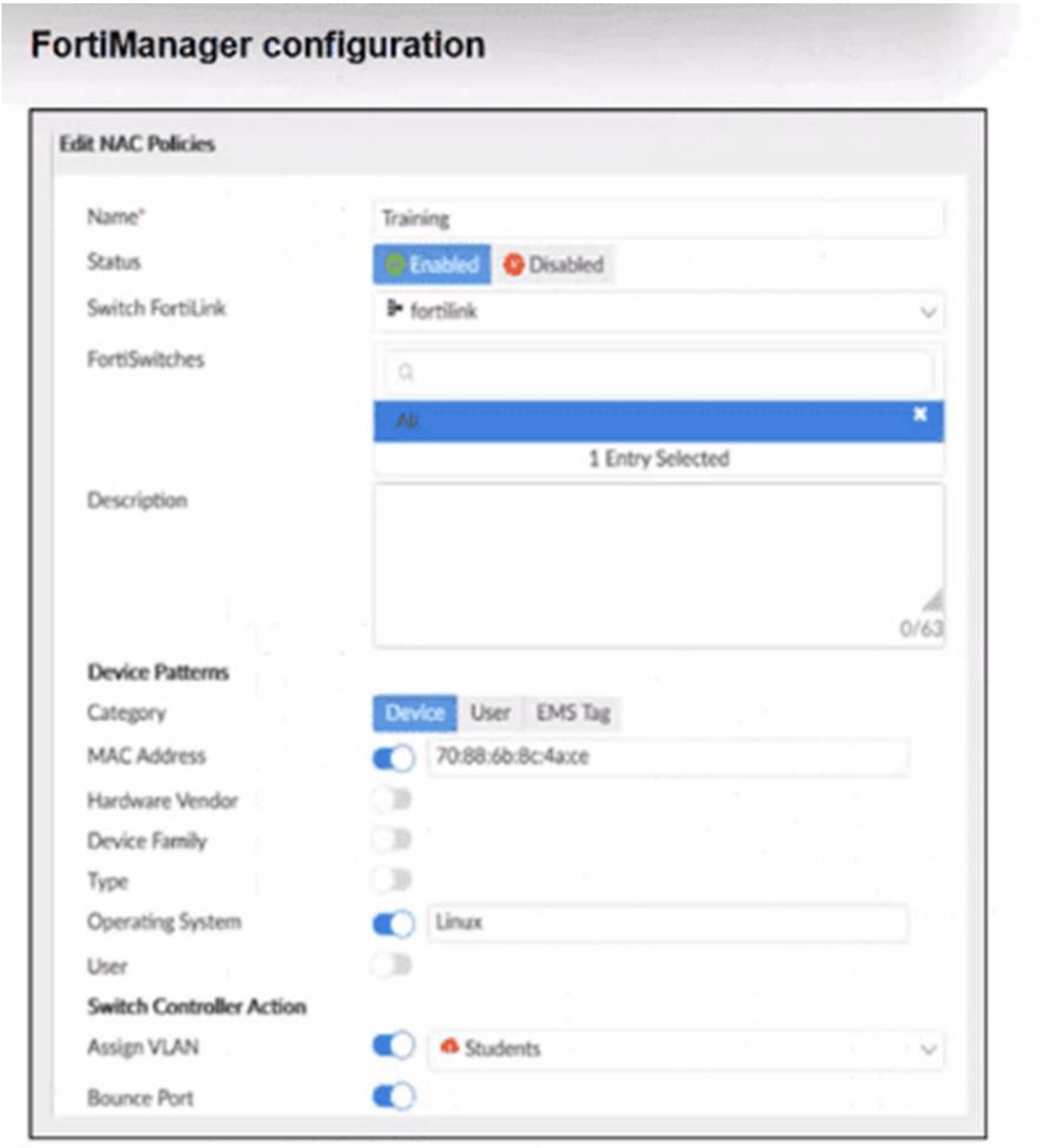
The exhibits show the VAP configuration. Wi-Fi SSIDs. and zone table.
Which two statements describe how FortiGate handles VLAN assignment for wireless clients? (Choose two.)

A. FortiGate will load balance clients using VLAN 101 and VLAN 102 and assign them an IP address from the 10.0.3.0/24 subnet.
B. All clients connecting to the Corp Zone will receive an IP address from the 10.0.20.0/24 subnet.
C. Clients connecting to APs in the Floor 1 group will not be able to receive an IP address.

D. Clients connecting to APs in the Office group will be assigned to VLAN 102.

Answer: CD

NEW QUESTION 28
Refer to the exhibits.



FortiGate CLI output

```
FortiGate# diagnose switch-controller switch-info mac-table S224EPTF19005867
vdom: root

Managed Switch : S224EPTF19005867 0

MAC: 00:0c:29:e6:ea:d2 VLAN: 4089 Trunk: GVM1V0000141680(trunk-id 0)
   Flags: 0x000104c1 ( hit trunk dynamic src-hit native )

MAC: 00:0c:29:e6:ea:d2 VLAN: 1 Trunk: GVM1V0000141680(trunk-id 0)
   Flags: 0x000104c1 ( hit trunk dynamic src-hit native I

MAC: 00:0c:29:e6:ea:d2 VLAN: 4093 Trunk: GVM1V0000141680(trunk-id 0)
   Flags: 0x000104c1 ( hit trunk dynamic src-hit native )

MAC: 00:0c:29:e6:ea:d2 VLAN: 4094 Trunk: GVM1V0000141680(trunk-id 0)
   Flags: 0x000104c1 ( hit trunk dynamic src-hit native )

MAC: 70:88:6b:8c:4a:ce VLAN: 4089 Port: port2(port-id 2)
   Flags: 0x00010441 ( hit dynamic src-hit native )

MAC: 04:d5:90:3e:e7:80 VLAN: 1 Port: port1(port-id 1)
   Flags: 0x00010441 ( hit dynamic src-hit native )

MAC: 00:0c:29:06:ea:d2 VLAN: 4088 Trunk: GVM1V0000141680(trunk-id 0)
   Flags: 0x000104c1 ( hit trunk dynamic src-hit native )

MAC: 00:0c:29:e6:ea:d2 VLAN: 10 Trunk:  GVM1V0000141680(trunk-id 0)
   Flags: 0x000104c1 ( hit trunk dynamic src-hit native )

Total Displayed: 8

FortiGate# diagnose switch-controller mac-device nac onboarding
vdom: root
VLAN        MAC                 LAST-SEEN    TYPE    LOCATION
4089        70:88:6b:8c:4a:ce   4            SW      S224EPTF19005867      port2

FortiGate# diagnose switch-controller mac-device nac known
vdom: root
MAC        LAST-KNOWN-SWITCH     LAST-KNOWN-PORT       MATCHED-NAC-POLICY MAC-POLICY-ACTION   FSW-ID  COMMENTS
```

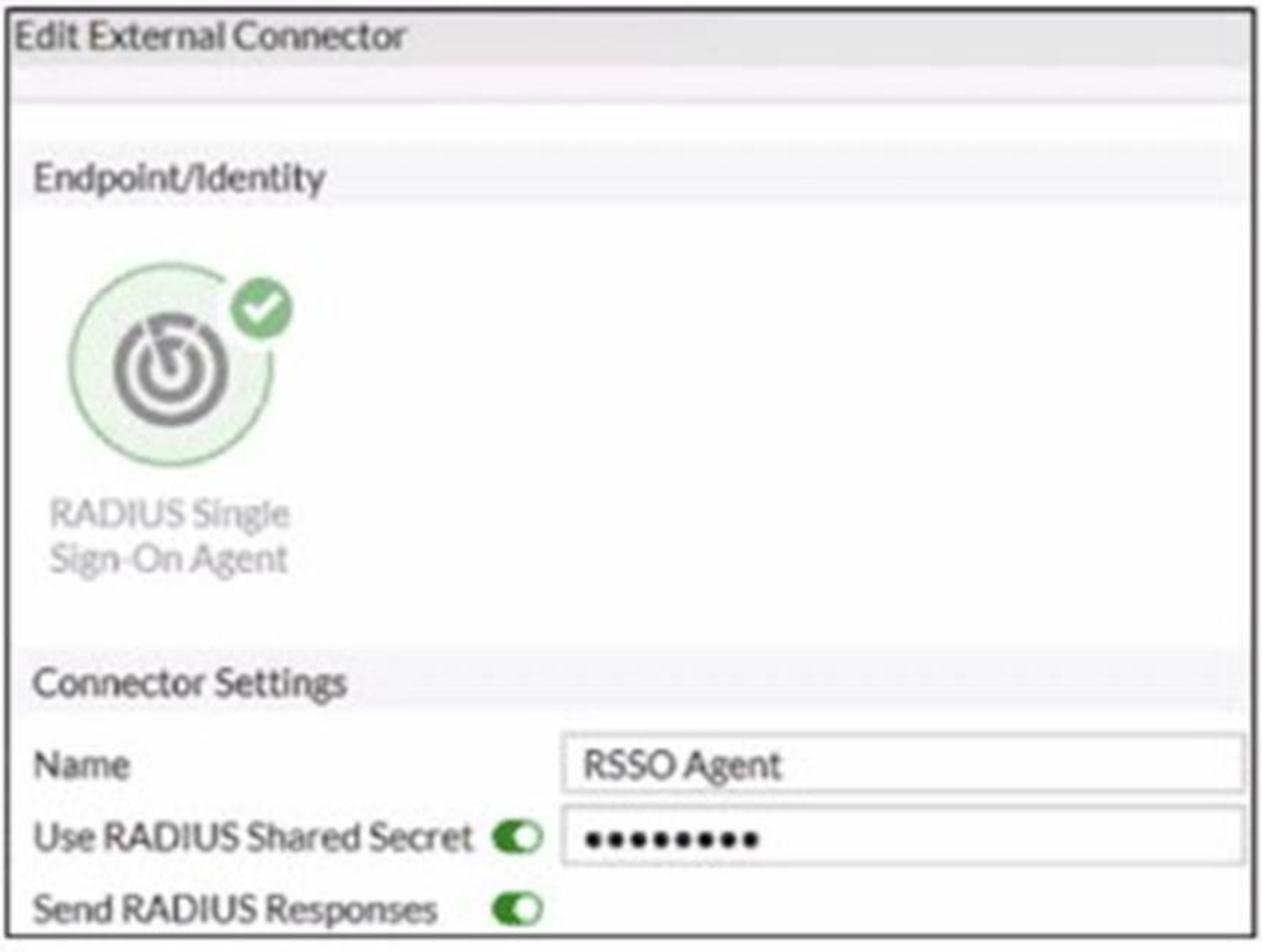
Examine the FortiManager configuration and FortiGate CLI output shown in the exhibit.
The NAC feature is being tested with a device connected to port2 on managed FortiSwitch S224SPTF19005867. The NAC policy has been applied to port2, and traffic was generated from the test device. However, the traffic from the test device does not match the NAC policy and remains in the onboarding VLAN.
What are two possible reasons why the test device is not being correctly classified by the NAC policy? (Choose two.)

A. Device detection is not enabled on VLAN 4089.
B. The device operating system detected by FortiGate is not Linux.
C. Management communication between FortiGate and FortiSwitch is down.
D. The MAC address configured on the NAC policy is incorrect.

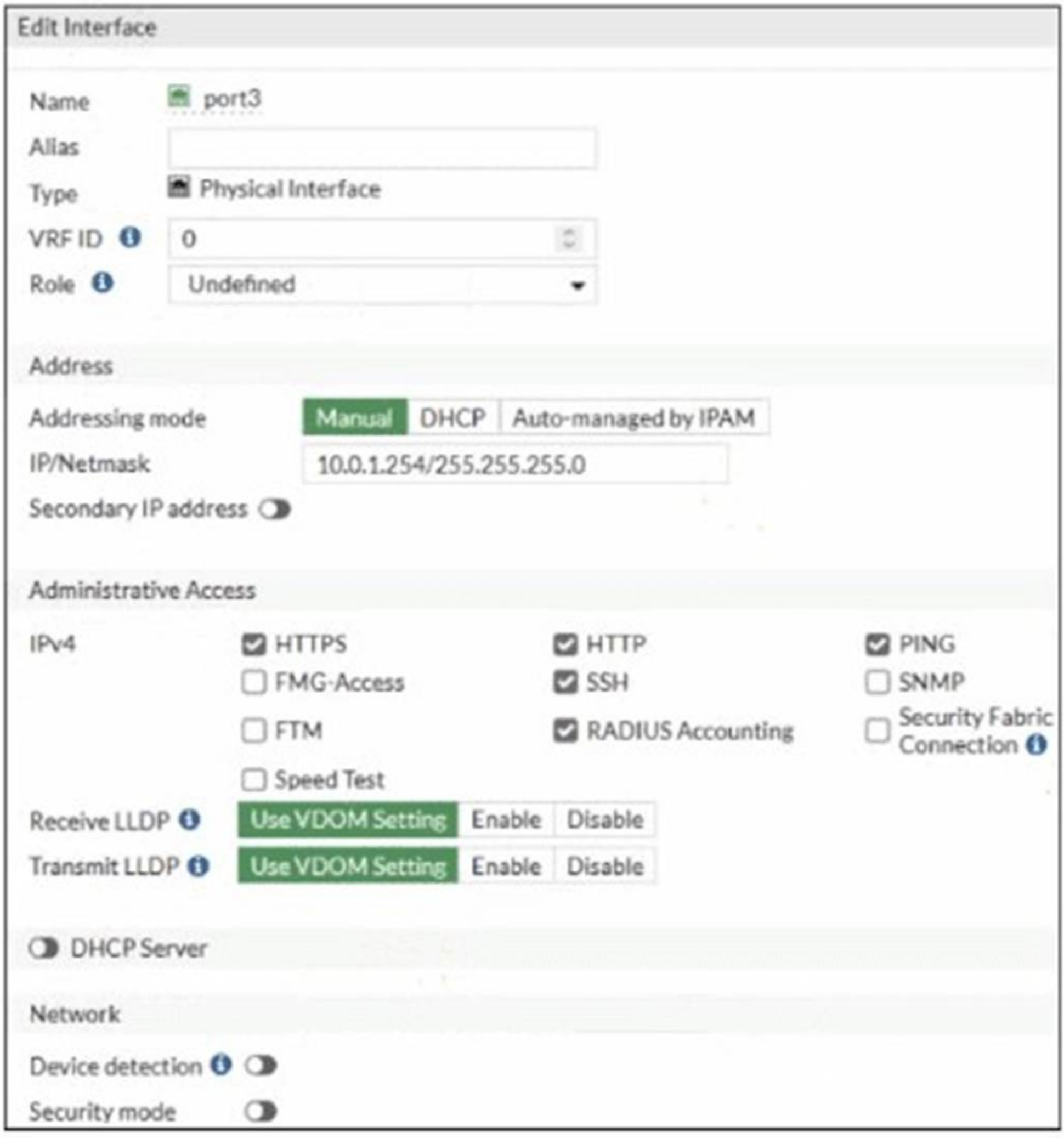
Answer: AB

NEW QUESTION 32
Refer to the exhibits.

FortiGate RSSO configuration



FortiGate interface configuration



Examine the FortiGate RSSO configuration shown in the exhibit.
FortiGate is set up to use RSSO for user authentication. It is currently receiving RADIUS accounting messages through port3. The incoming RADIUS accounting messages contain the username in the User-Name attribute and group membership in the Class attribute. You must ensure that the users are authenticated through these RADIUS accounting messages and accurately mapped to their respective RSSO user groups.
Which three critical configurations must you implement on the FortiGate device? (Choose three.)

A. The RADIUS Attribute Value setting configured for an RSSO user group should match the class RADIUS attribute value in the RADIUS accounting message.
B. RSSO user groups should be assigned to all firewall policies.
C. Device detection and Security Fabric Connection should be enabled on port3
D. The sso-attribute CLI setting in the RSSO agent configuration should be set to Class.
E. The rsso-endpoint-attribute CLI setting in the RSSO agent configuration should be set toUser-Name.

Answer: ADE

NEW QUESTION 37

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