Fortinet

Exam Questions FCSS_LED_AR-7.6

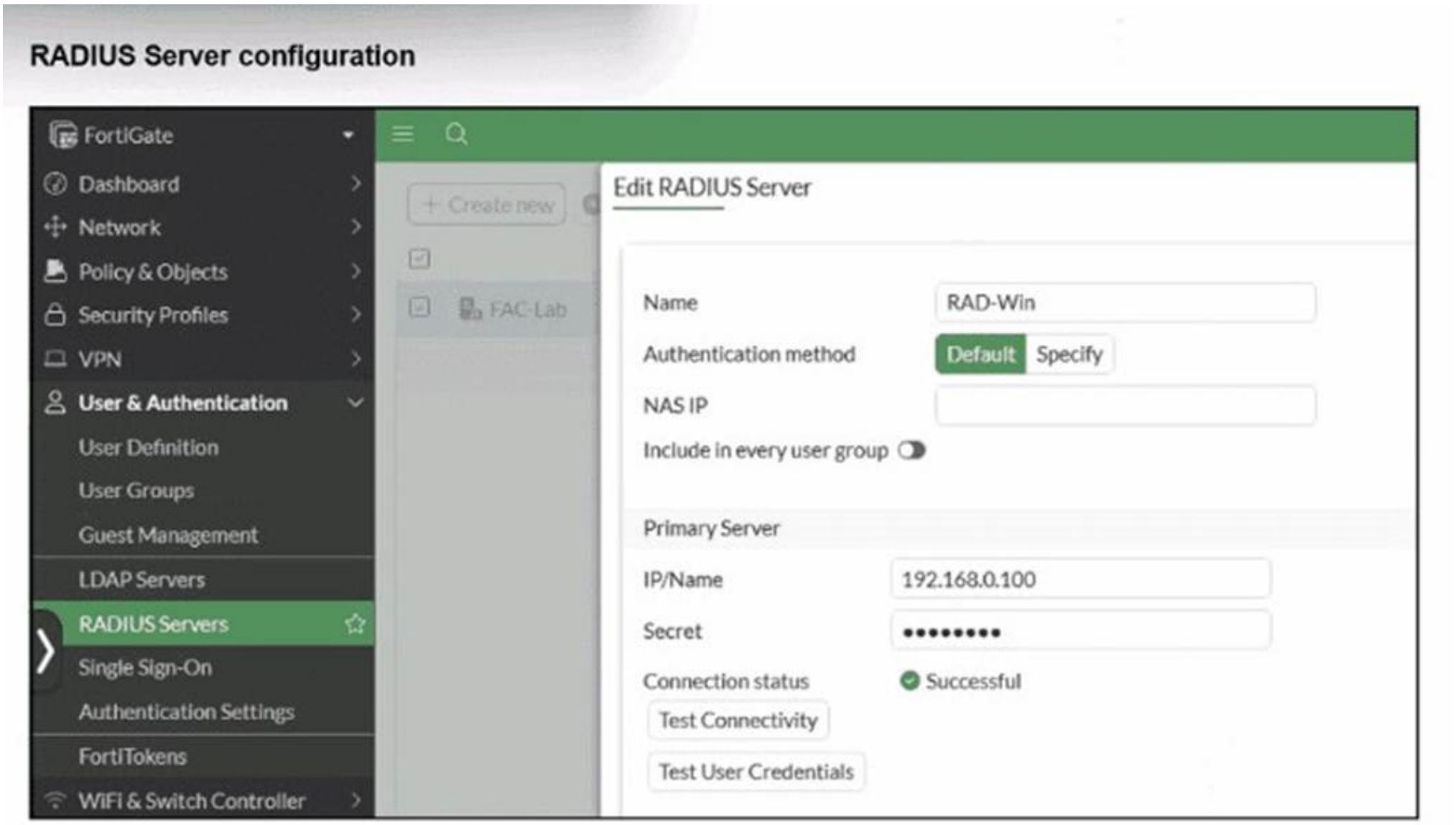
FCSS - LAN Edge 7.6 Architect

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
You are configuring FortiAuthenticator to integrate with FSSO for user identification. To enable FortiAuthenticator to extract user information from syslog messages and inject it into FSSO, you have configured syslog matching rules.
What is the role of syslog matching rules in the process of injecting user information into FSSO?

A. To automatically update user group memberships in FSSO based on syslog events
B. To enforce user authentication policies based on syslog message contents
C. To define how syslog messages are parsed and extract user information, such as usernames and IP addresses
D. To filter and block irrelevant syslog messages from being processed by the FortiAuthenticator

Answer: C

NEW QUESTION 4

When the MAC address of a device is placed in quarantine on FortiSwitch, what happens to its egress traffic?

A. Traffic is sent to an access VLAN.
B. Traffic is assigned to the native VLAN.
C. Traffic is sent as untagged traffic.
D. Traffic is sent to an allowed VLAN.

Answer: A

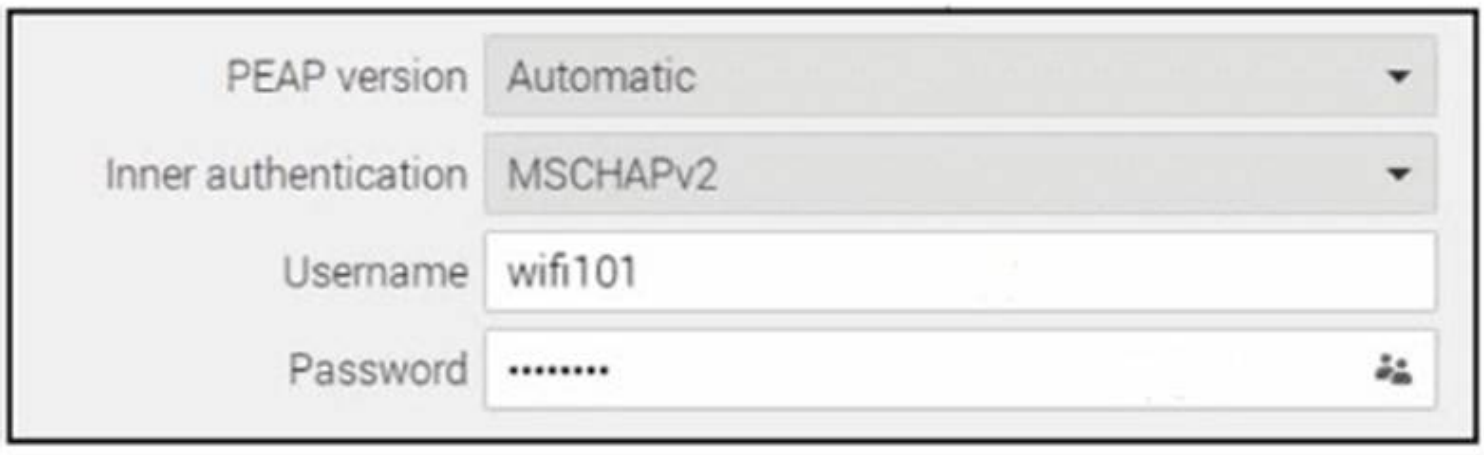
NEW QUESTION 5
Refer to the exhibits.

FortiGate LDAP server configuration and diagnostics

```
config user ldap
    edit "FAC-LDAP"
        set server "10.0.1.10"
        set cnid "sAMAccountName"
        set dn "DC=trainingAD,DC=training,DC=lab"
        set type regular
        set username "CN=Administrator,CN=Users,DC=trainingAD,DC=training,DC=lab"
        set password ENC MTAwNE2iciyoaiRa20HnjmgtQbCRYdI+OJtfO7y9+uW5V8ZxQ/Vj+mW4zPijgtCgrnAA
    next
end

FortiGate # diagnose test authserver ldap FAC-LDAP wifi101 password
authenticate 'wifi101' against 'FAC-LDAP' succeeded!
Group membership(s) - CN=Domain Users,CN=Users,DC=trainingad,DC=training,DC=lab
Domain of user is trainingad.training.lab
```

Wi-Fi Authentication



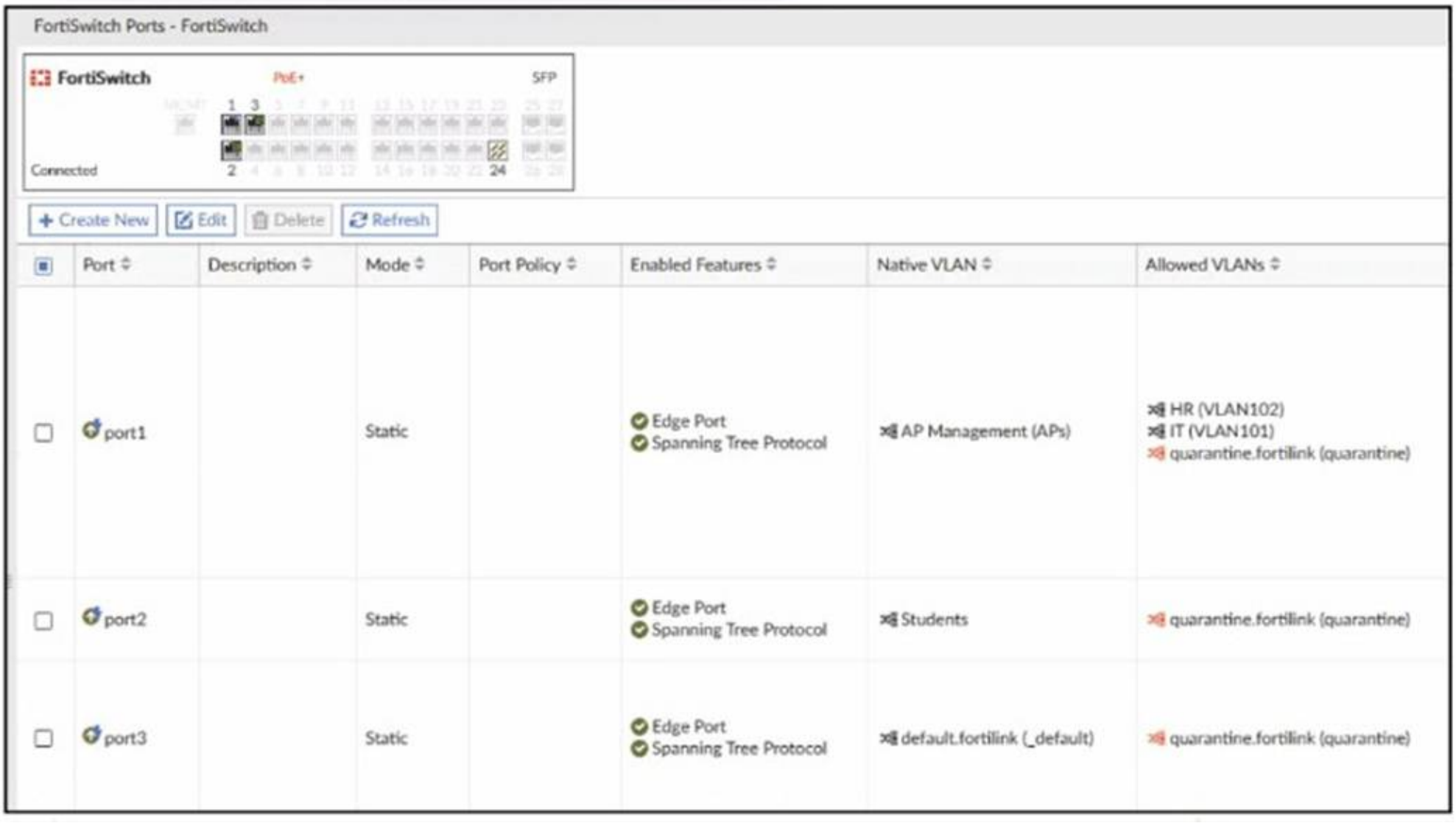
An LDAP server has been successfully configured on FortiGate. which forwards LDAP authentication requests to a Windows Active Directory (AD) server. Wireless users report that they are unable to authenticate. Upon troubleshooting, you find that authentication fails when using MSCHAPv2.
What is the most likely reason for this issue?

A. A firewall policy is missing an LDAP authentication rule.
B. The Windows AD server requires LDAPS (LDAP over SSL) for authentication.
C. The FortiGate LDAP configuration is missing the correct Bind DN.
D. FortiGate does not support MSCHAPv2 for LDAP authentication.

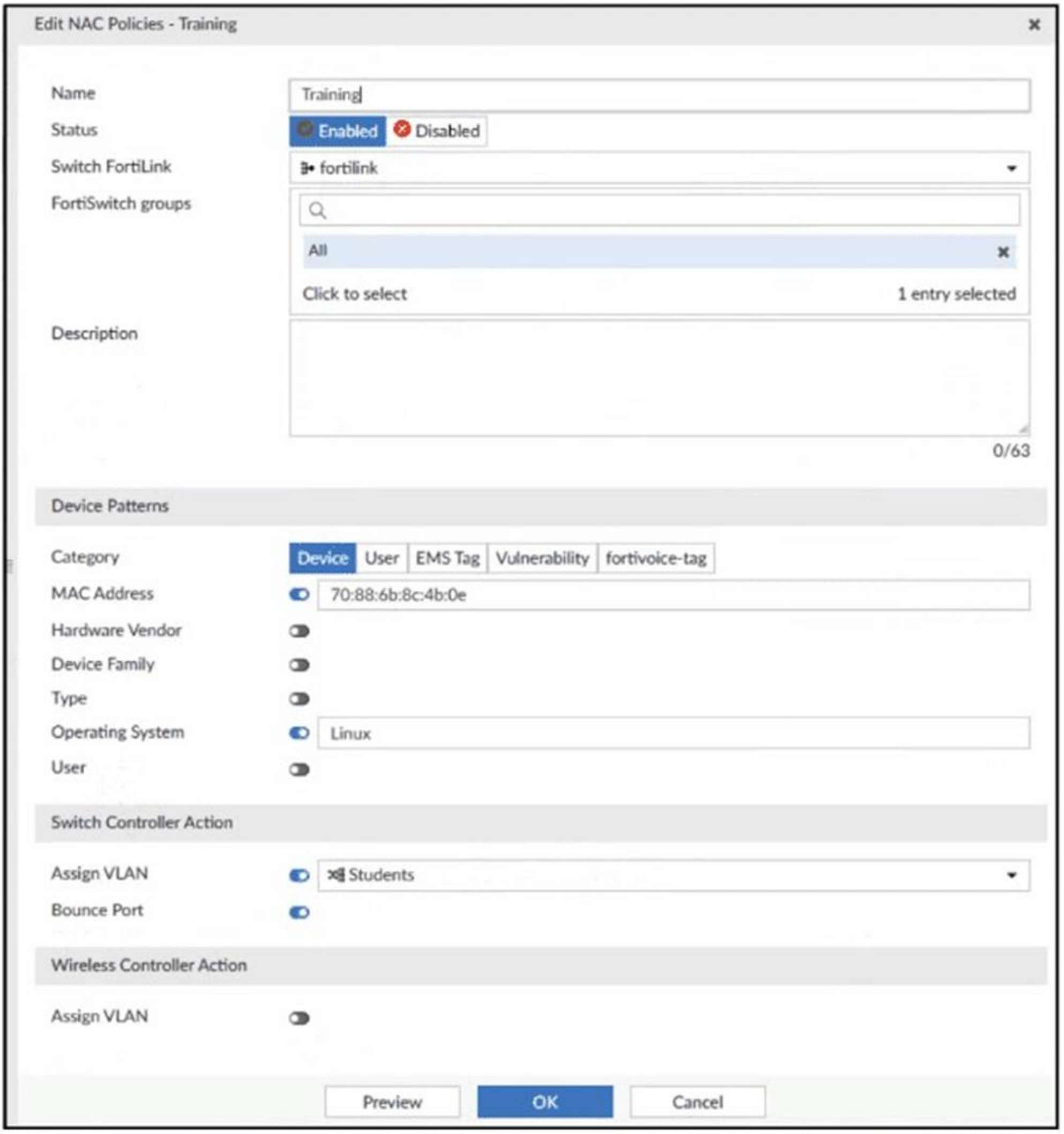
Answer: D

NEW QUESTION 6
Refer to the exhibits.

FortiSwitch Ports



NAC policy

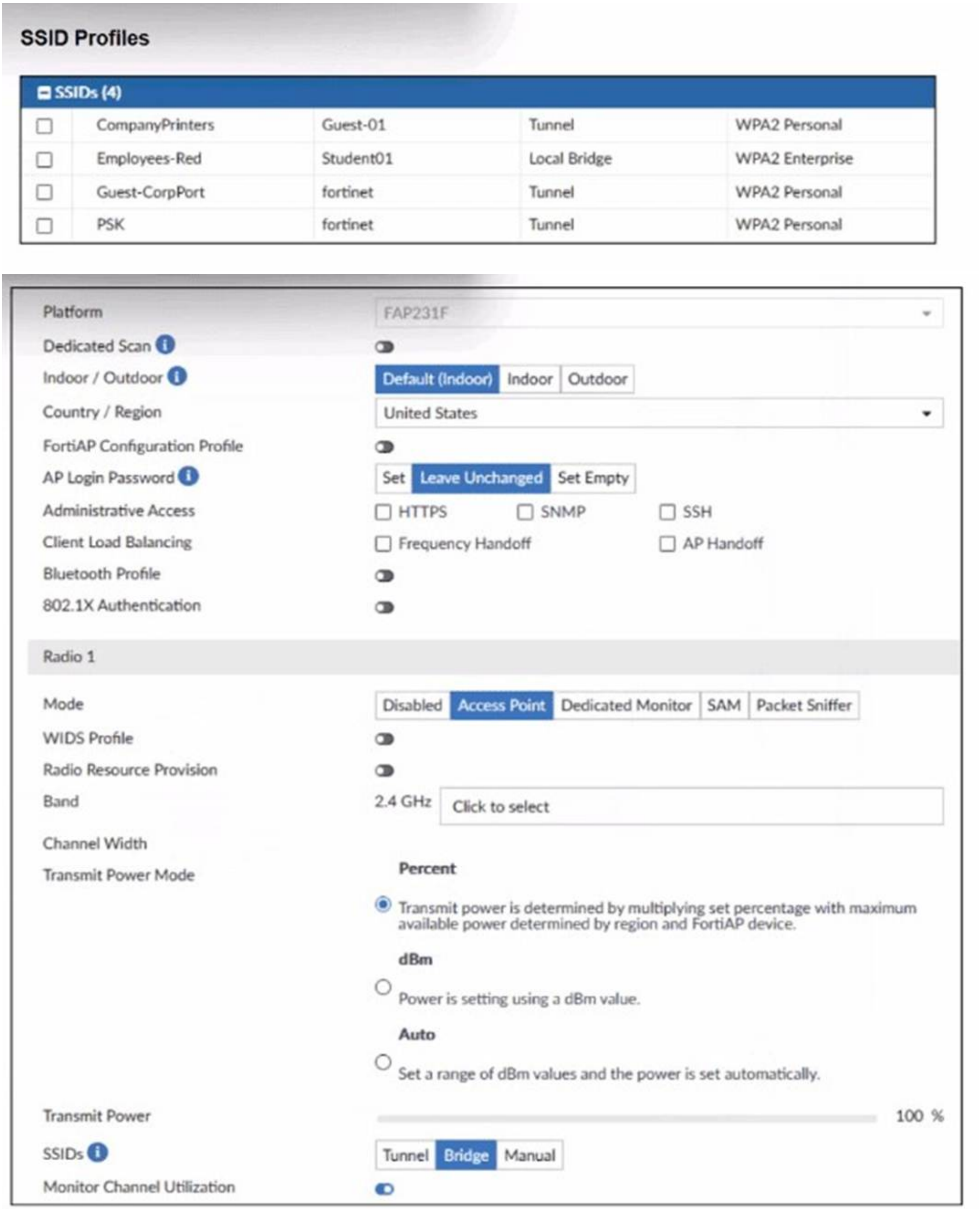


A NAC policy has been configured to apply traffic that flows through FortiSwitch port 2. Traffic that meets the NAC policy criteria will be assigned to the Students VLAN. However, the NAC policy does not seem to be taking effect.
Which configuration is missing?

A. Port2 Access mode should be set to NAC mode.
B. The MAC address or OS might be misconfigured for the connected device.
C. Port2 Access mode should be set to Port Policy mode.
D. The Students VLAN should be set to Allowed VLANs instead of Native VLAN.

Answer: A

NEW QUESTION 7
Refer to the exhibits.



A set of SSID profiles has been configured on FortiManager, and an AP profile has been assigned to a group of AP managed by FortiGate. However, none of the designated SSIDs are being broadcast by these APs.
Which configuration change is required to make the APs broadcast these SSIDs as intended?

A. Adjust the AP profile to ensure all SSIDs are configured in a supported mode, either bridge or tunnel, but not a mix of both.
B. Change the AP profile to use a platform that supports the configured mix of SSIDs.
C. Choose Manual in the SSIDs setting and select the SSIDs to broadcast.
D. Set the Transmit Power Mode to Auto.

Answer: C

NEW QUESTION 8
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 9
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 10
Which VLAN is used by FortiGate to place devices that fail to match any configured NAC policies? CRSPAN

A. NAC
B. segment
C. Quarantine
D. Onboarding

Answer: D

NEW QUESTION 10
In addition to requiring a FortiAnalyzer device to configure the Security Fabric, which license must be added to FortiAnalyzer to use Indicators of Compromise (IOC) rules?

A. loT Security Add-on license
B. IOC Subscription license
C. IOC detection is included on FAZ-Basic license
D. Threat Detection Service license

Answer: D

NEW QUESTION 15
Connectivity tests are being performed on a newly configured VLAN. The VLAN is configured on a FortiSwitch device that is managed by FortiGate. During testing, it is observed that devices within the VLAN can successfully ping FortiGate. and FortiGate can also ping these devices.
Inter-VLAN communication is working as expected. However, devices within the same VLAN are unable to communicate with each other.
What could be causing this issue?

A. Access VLAN is enabled on the VLAN.
B. The FortiSwitch MAC address table is missing entries.
C. The FortiGate ARP table is missing entries.
D. The native VLAN configured on the ports is incorrect.

Answer: A

NEW QUESTION 18
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

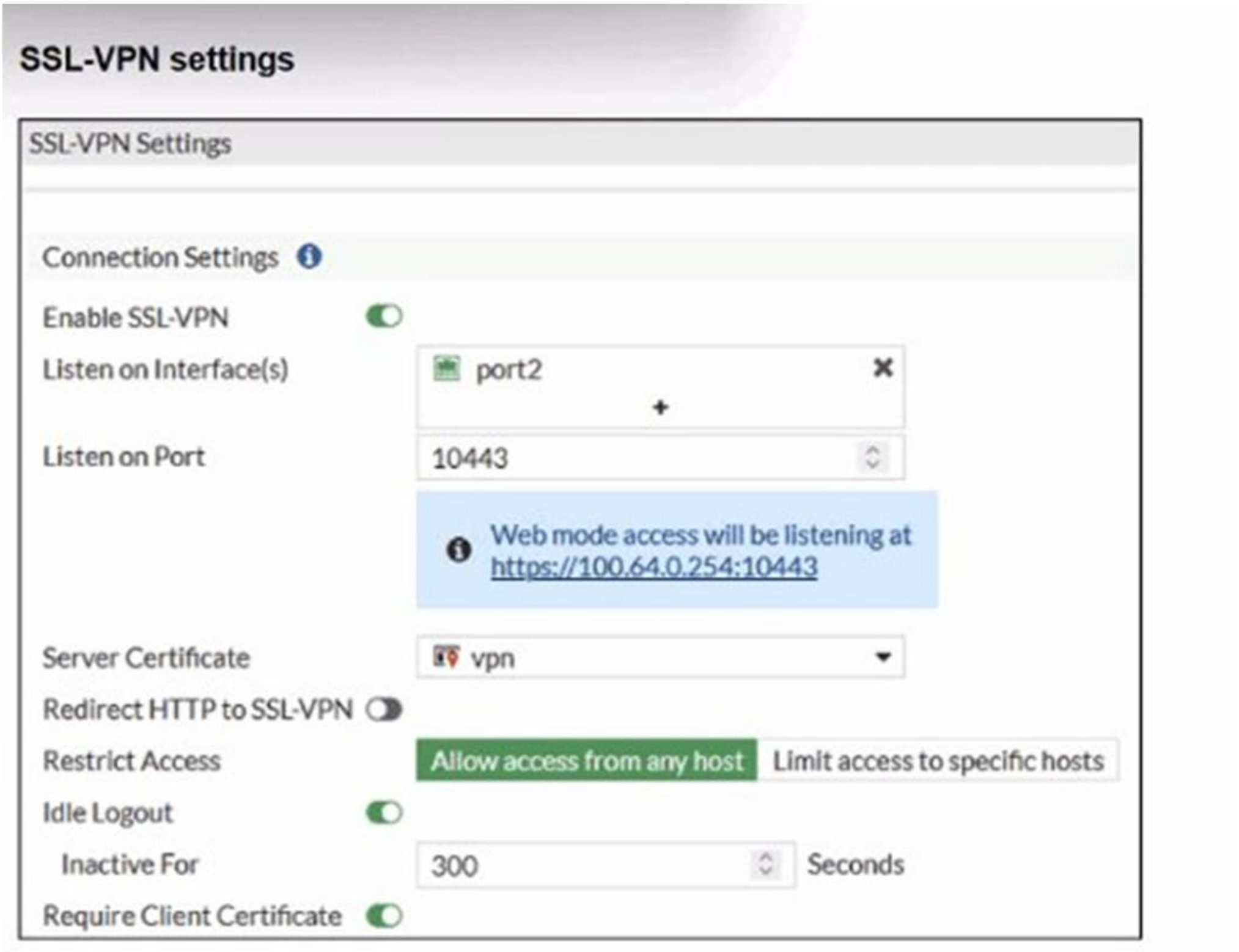
NEW QUESTION 19
Which statement about generating a certificate signing request (CSR) for a CER certificate is true?

A. Inaccurate or missing fields in the CSR will prevent the CA from validating the request, leading to the rejection of the certificate and possible delays in the deployment process.
B. If key fields like the common name (CN) and organization (O) are incorrect, the certification authority (CA) will still issue the certificate, but it may not be trusted by certain applications or systems that rely on accurate field information for validation.

C. CSR fields are primarily used for internal recordkeeping by the requesting organization, and only the public key in the CSR must be accurate for successful certificate signing.
D. The fields in the CSR are primarily for documentation purposes; any missing or incorrect information will be automatically corrected by the CA during the signing process.

Answer: A

NEW QUESTION 24
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 28
A network administrator connects a new FortiGate to the network, allowing it to automatically discover andI register with FortiManager.
What occurs after FortiGate retrieves the FortiManager address?

A. FortiGate establishes a secure tunnel to FortiManager over TCP port 541.
B. The device needs to be manually authorized on FortiManager.
C. FortiGate configures its interface settings based on a DHCP response from FortiManager.
D. FortiGate sends a discovery request to all devices on the local network using UDP port 1068.

Answer: A

NEW QUESTION 30
How can FortiAIOps help optimize network performance in an SD-Branch deployment with FortiGate, FortiSwitch, and FortiAP?

A. It disables low-performing APs and switches automatically.
B. It uses AI-driven analytics to identify network issues and provide optimization recommendations.
C. It removes the need for SD-WAN configuration by automating all routing decisions.
D. It predicts and resolves all network issues without any human intervention.

Answer: B

NEW QUESTION 32
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

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.)

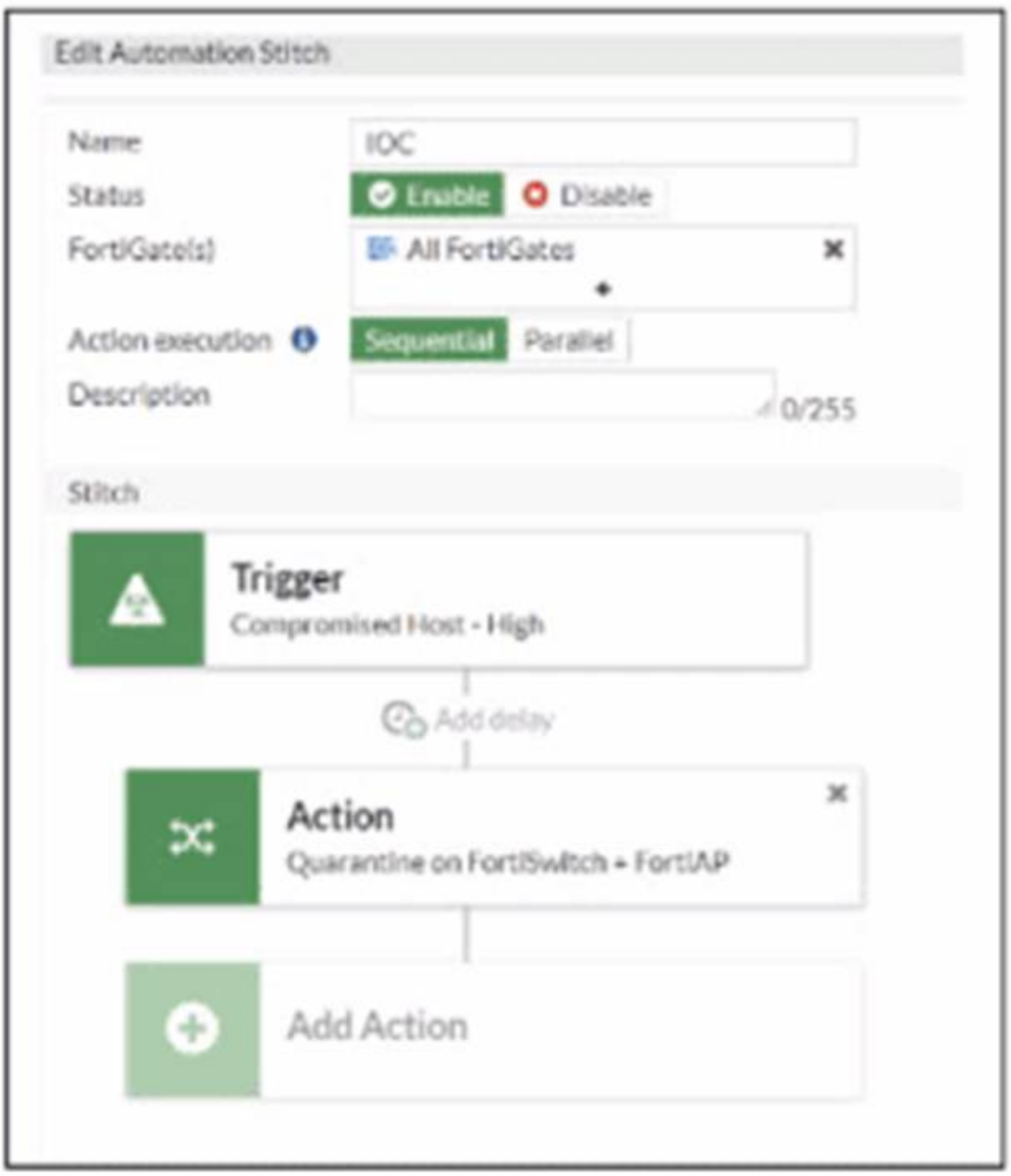
A. FortiGate will load balance clients using VLAN 101 and VLAN 102 and assign them an IP address from the 10.0.3.0/24 subnet.
B. All clients connecting to the Corp Zone will receive an IP address from the 10.0.20.0/24 subnet.
C. Clients connecting to APs in the Floor 1 group will not be able to receive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

Answer: CD

NEW QUESTION 33
Refer to the exhibits.

FortiGate Security Fabric widget

Security Fabric Automation Stitch



Quarantine widget

FortiGate firewall policy

FortiAnalyzer log

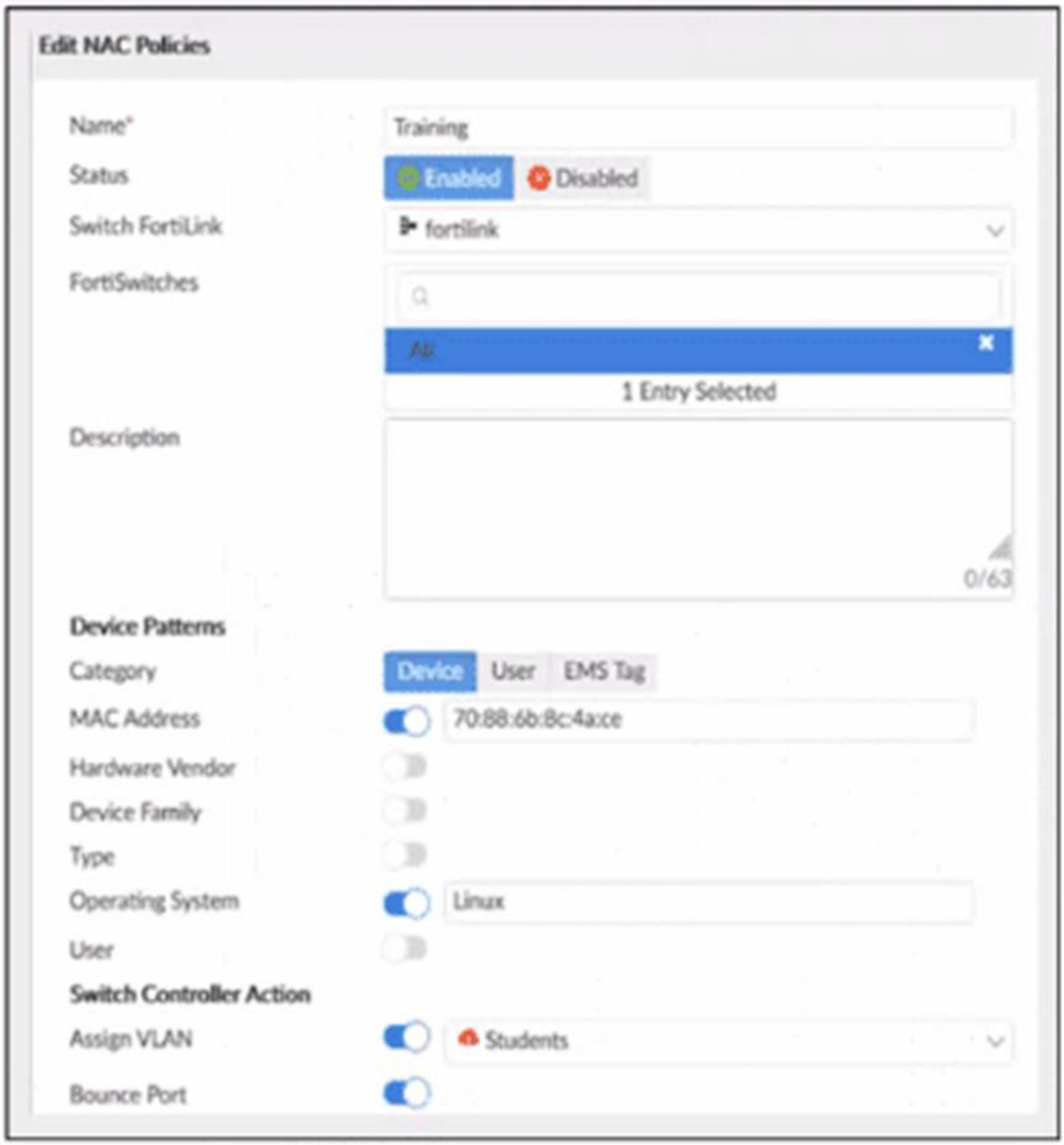
Examine the FortiGate configuration, FortiAnalyzer logs, and FortiGate widget shown in the exhibits.
Security Fabhc quarantine automation has been configured to isolate compromised devices automatically. FortiAnalyzer has been added to the Security Fabric, and an automation stitch has been configured to quarantine compromised devices.
To test the setup, a device with the IP address 10.0.2.1 that is connected through a managed FortiSwitch attempts to access a malicious website. The logs on FortiAnalyzer confirm that the event was recorded, but the device does not appear in the FortiGate quarantine widget.
Which two reasons could explain why FortiGate is not quarantining the device? (Choose two.)

A. The IOC action should include only the FortiSwitch in the quarantine.
B. The SSL inspection should be set to deep-Inspection
C. The malicious website is not recognized as an indicator of compromise (IOC) byFortiAnalyzer.
D. The threat detection services license is missing or invalid under FortiAnalyzer.

Answer: CD

NEW QUESTION 37
Refer to the exhibits.

FortiManager configuration



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 42
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