Fortinet

Exam Questions FCSS_LED_AR-7.6

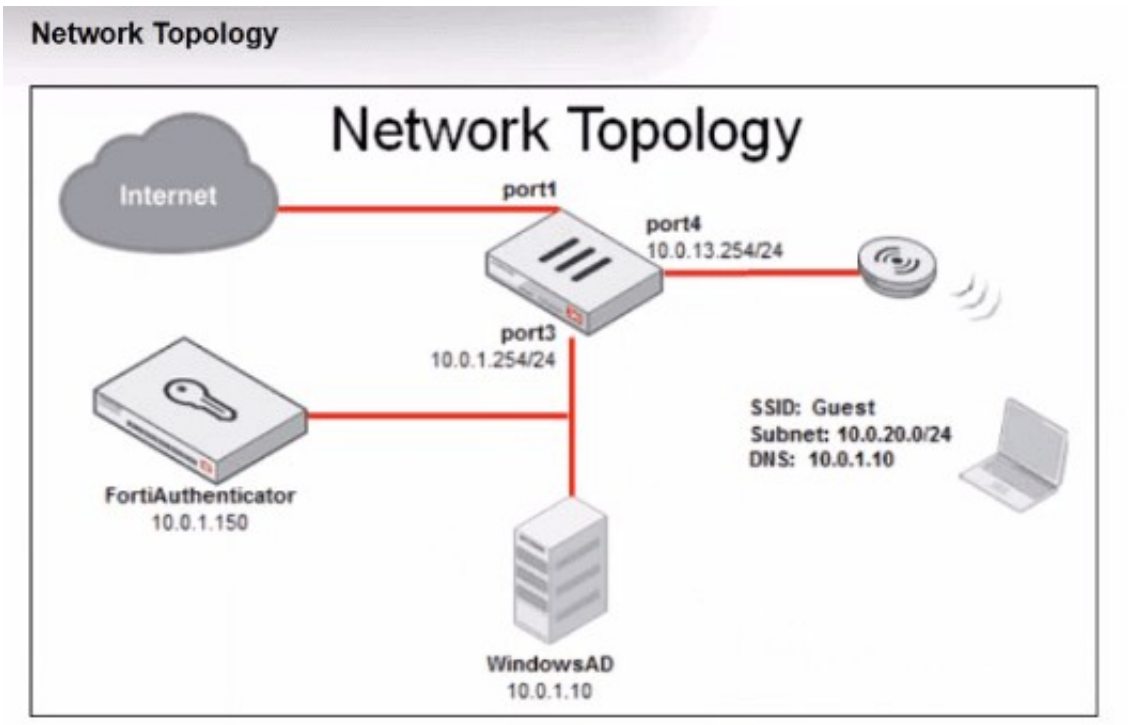
FCSS - LAN Edge 7.6 Architect

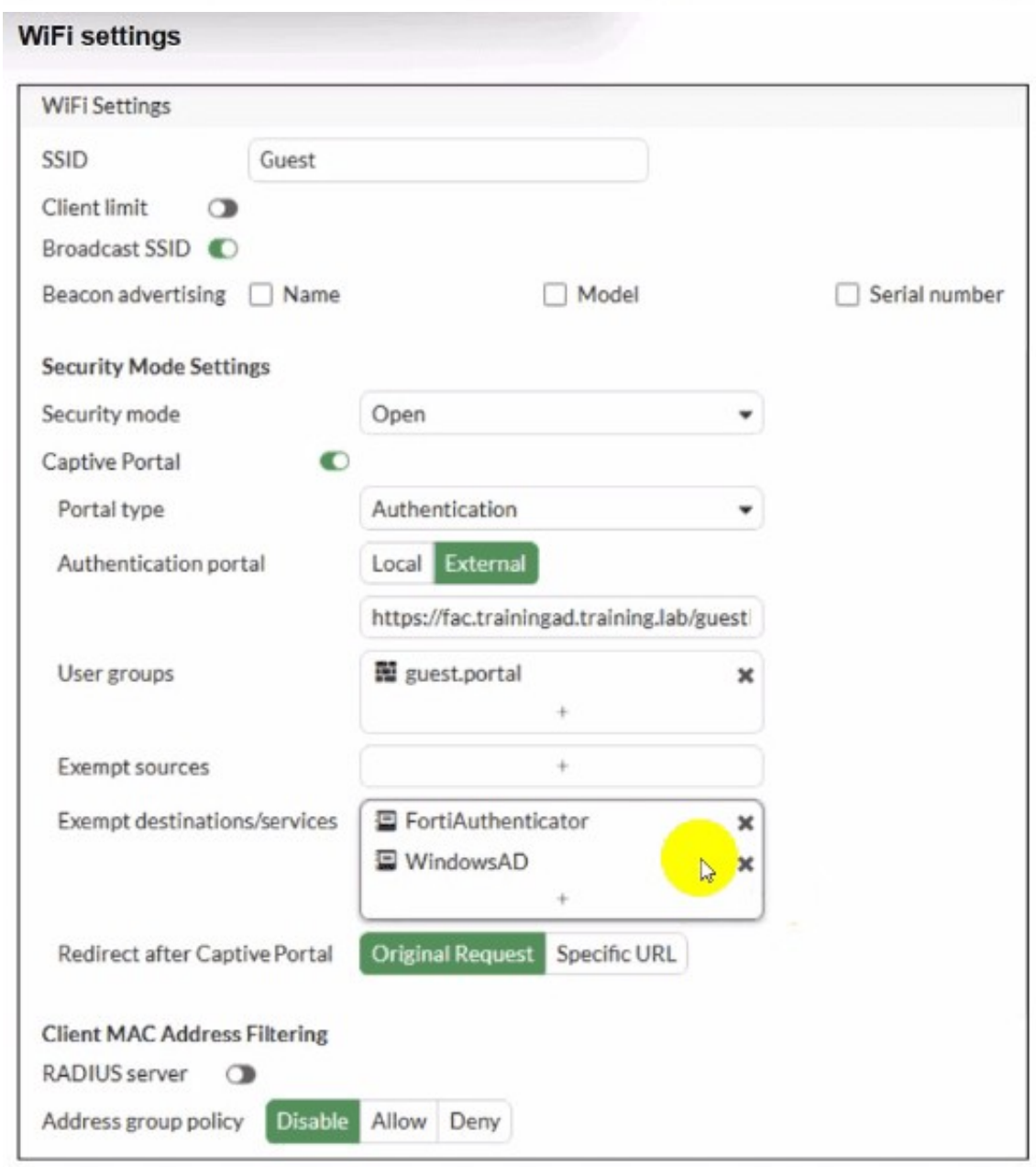
NEW QUESTION 1
When the MAC address of a device is placed in quarantine on FortiSwitch, what happens to its egress traffic?

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 2
Refer to the exhibit.





Review the exhibits to analyze the network topology, SSID settings, and firewall policies.
FortiGate is configured to use an external captive portal for authentication to grant access to a wireless network. During testing, it was found that users attempting to connect to the SSID cannot access the captive portal login page.
What configuration change should be made to resolve this issue to allow users to access the captive portal?

A. Change the SSID security mode to WPA2-Enterprise for authentication.
B. Disable HTTPS redirection for the captive portal authentication page.
C. Exclude FortiAuthenticator and Windows AD address objects from filtering.
D. A firewall policy allowing Guest SSID traffic to reach FortiAuthenticator and Windows AD.

Answer: D

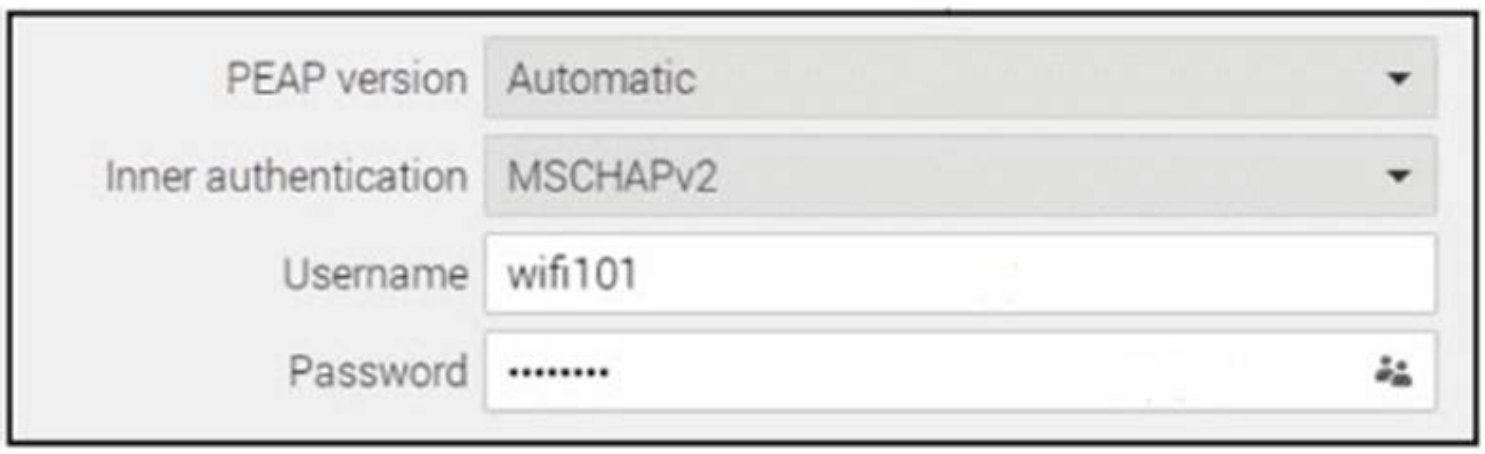
NEW QUESTION 3
Refer to the exhibits.

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.

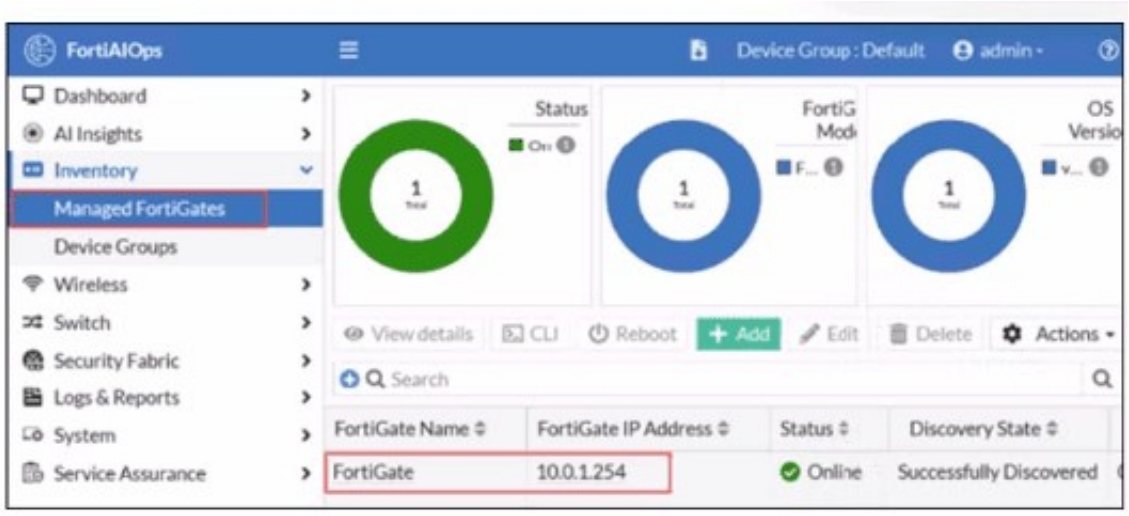
Answer: D

NEW QUESTION 4
What is the expected behavior when enabling auto TX power control on a FortiAP interface?

A. FortiGate monitors the signal strength of nearby AP interfaces and adjusts its own transmit power every 30 seconds to match the signal strength of the adjacent AP
B. FortiGate measures the signal strength of nearby FortiAP interfaces every 30 seconds and adjusts their transmit power to ensure they remain detectable at -70 dBm.
C. FortiGate periodically measures the signal strength of the weakest associated client and adjusts the AP radio power to align with the detected signal strength of that client.
D. The AP periodically evaluates the signal strength of its own transmission from the client perspective and adjusts its power to ensure the signal is detected at -70 dBm.

Answer: C

NEW QUESTION 5
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 6
Refer to the exhibits.

FortiGate VLAN AP settings

```
config system interface
    edit "APs"
        set vdom "root"
        set ip 10.10.100.254 255.255.255.0
        set allowaccess ping
        set alias "AP Management"
        set device-identification enable
        set role lan
        set snmp-index 118
        set ip-managed-by-fortiipam disable
        set interface "fortilink"
        set vlanid 100
    next
end
```

DHCP configuration

```
config system dhcp server
    edit 7
        set dns-service default
        set default-gateway 10.10.100.254
        set netmask 255.255.255.0
        set interface "APs"
        config ip-range
            edit 1
                set start-ip 10.10.100.1
                set end-ip 10.10.100.253
            next
        end
    next
end
```

FortiSwitch port1 VLAN AP assignment

```
config switch-controller managed-switch
    edit "FortiSwitch"
        set sn "S224EPTF19006016"
        set fsw-wan1-peer "fortilink"
        set fsw-wan1-admin enable
        set poe-detection-type 2
        set version 1
        set max-allowed-trunk-members 8
        set pre-provisioned 1
        set dynamic-capability 0x00000000000000001551027757ddfff7
        config ports
            edit "port1"
                set poe-capable 1
                set vlan "APs"
                set allowed-vlans "VLAN102" "VLAN101" "quarantine"
                set untagged-vlans "quarantine"
                set export-to "root"
                set mac-addr 04:d5:90:39:7d:8e
            next
```

A FortiSwitch is successfully managed by a FortiGate. FortiAP is connected to port1 of the managed FortiSwitch. On FortiGate, the VLAN AP is configured to detect and manage FortiAP, along with a DHCP server for the VLAN AP. Additionally, the VLAN AP is assigned to port1 of FortiSwitch. However. FortiGate is unable to detect or manage FortiAP.
Which FortiGate misconfiguration is preventing the detection of FortiAP?

A. Security Fabric is disabled in the administrative access options of the VLAN.
B. The FortiAP firmware is incompatible with the FortiGate firmware version.
C. The VLAN is not tagged correctly on the FortiSwitch uplink port.
D. The CAPWAP ports (UDP 5246 and 5247) are not open on FortiGate.

Answer: A

NEW QUESTION 7
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 8
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 9
In a Windows environment using AD machine authentication, how does FortiAuthenticator ensure that a previously authenticated device is maintaining its network access once the device resumes operating after sleep or hibernation?

A. It temporarily assigns the device to a guest VLAN until full reauthentication is completed.
B. It sends a wake-on-LAN packet to trigger reauthentication.
C. It uses machine authentication based on the device IP address.
D. It caches the MAC address of authenticated devices for a configurable period of time.

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 10
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

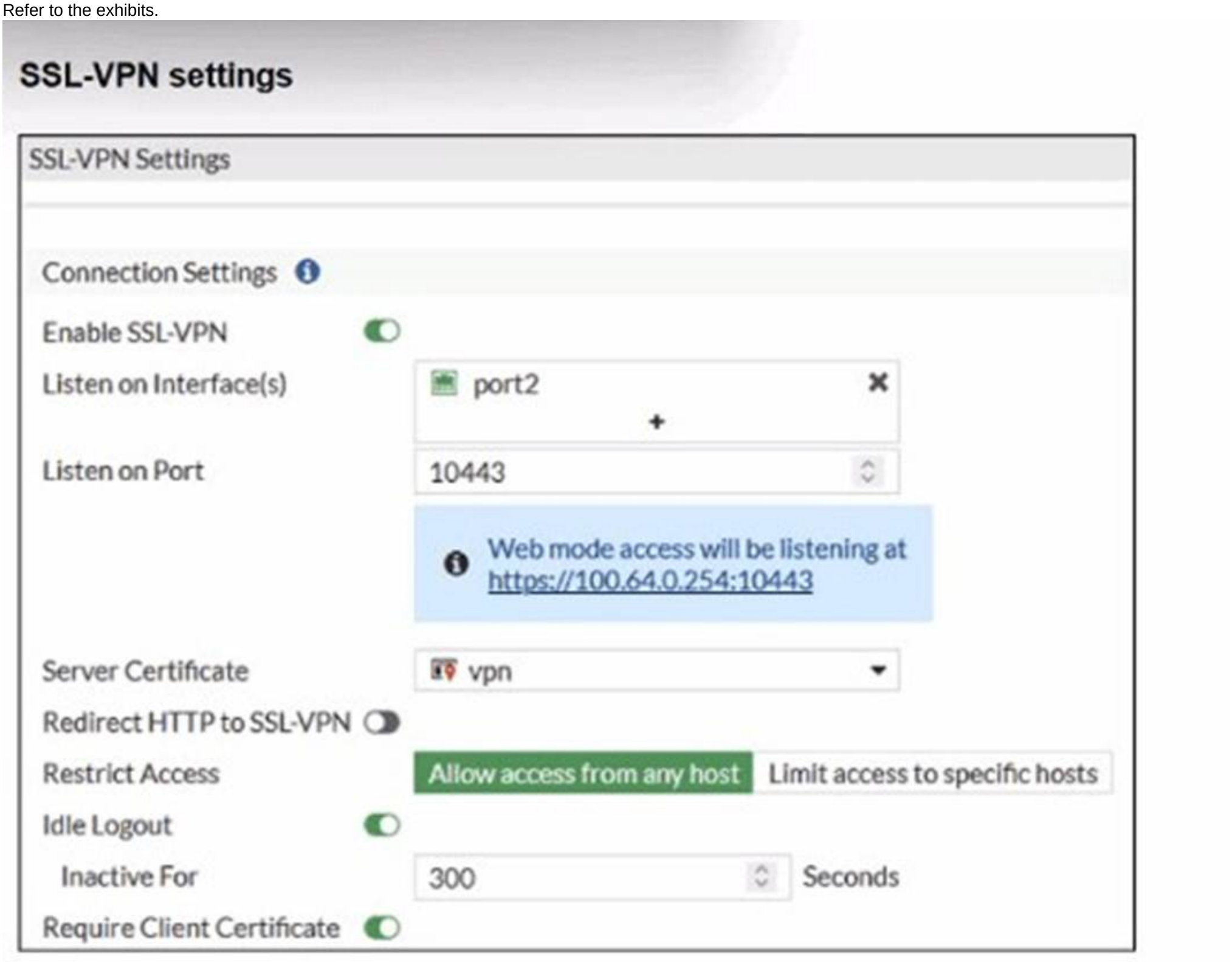
Answer: AE

NEW QUESTION 13
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 15
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 20
A conference center wireless network provides guest access through a captive portal, allowing unregistered users to self-register and connect to the network. The IT team has been tasked with updating the existing configuration to enforce captive portal authentication over a secure HTTPS connection. Which two steps should the administrator take to implement this change? (Choose two.)

A. Enable HTTP redirect in the user authentication settings.
B. Create a new SSID with the HTTPS captive portal URL.
C. Disable HTTP administrative access on the guest SSID to enforce HTTPS connection.
D. Update the captive portal URL to use HTTPS on FortiGate and FortiAuthenticator.

Answer: AD

NEW QUESTION 21
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 26
You are setting up a captive portal to provide Wi-Fi access for visitors. To simplify the process, your team wants visitors to authenticate using their existing social media accounts instead of creating new accounts or entering credentials manually.
Which two actions are required to enable this functionality? (Choose two.)

A. Set up a remote open authorization (OAuth) server for each selected social media platform.
B. Configure only the email login option because a social media login cannot be used with captive portals.
C. Enable Account Login as the authentication type and configure a remote LDAP server.
D. Set up the FortiAuthenticator internal database as the primary source for user credentials
E. Configure the social login profiles for the supported platforms.

Answer: AD

NEW QUESTION 29
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 Al-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 33
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?

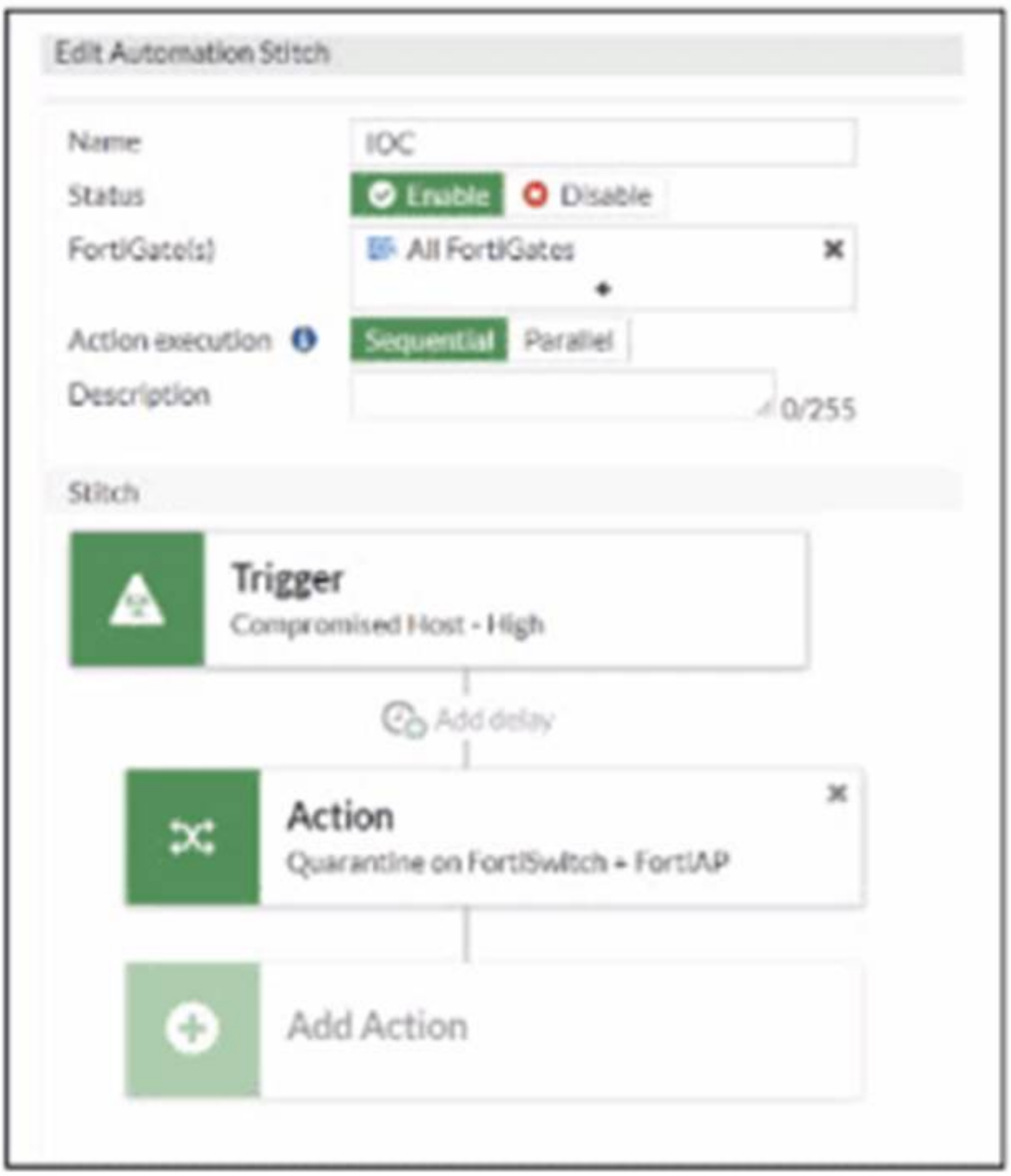
A. To ignore DHCP requests coming from FortiSwitch and FortiExtender devices.
B. To restrict the IP address assignment to devices that have FortiSwitch or FortiExtender as their hostname.
C. To connect, devices must match the VCI string; otherwise, they will not receive an IP address.
D. To reserve IP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

Answer: C

NEW QUESTION 38
Refer to the exhibits.

FortiGate Security Fabric widget

Security Fabric Automation Stitch



Quarantine widget

FortiGate firewall policy

Name	Source	Destination	Schedule	Service	Action	NAT	Security Profiles	Log
Students → port1								
Internet	all	all	always	ALL	ACCEPT	Enabled	default certificate-inspection	All
Implicit								

FortiAnalyzer log

All FortiGate · Last 5 Minutes · 11:14:08 To 11:19:07

Add Filter

#	Date/Time	Device ID	User	Source	Destination IP	Service	Host Name	Action	URL	Category Description
1	11:16:29	FGVM1V000014...		10.0.2.2	23.217.138.108	HTTP	abcomm.ml	blocked	http://abcomm.ml/	Malicious Websites
2	11:16:29	FGVM1V000014...		10.0.2.2	23.217.138.108	HTTP	abcomm.ml	blocked	http://abcomm.ml/favicon.ico	Malicious Websites

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 39
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