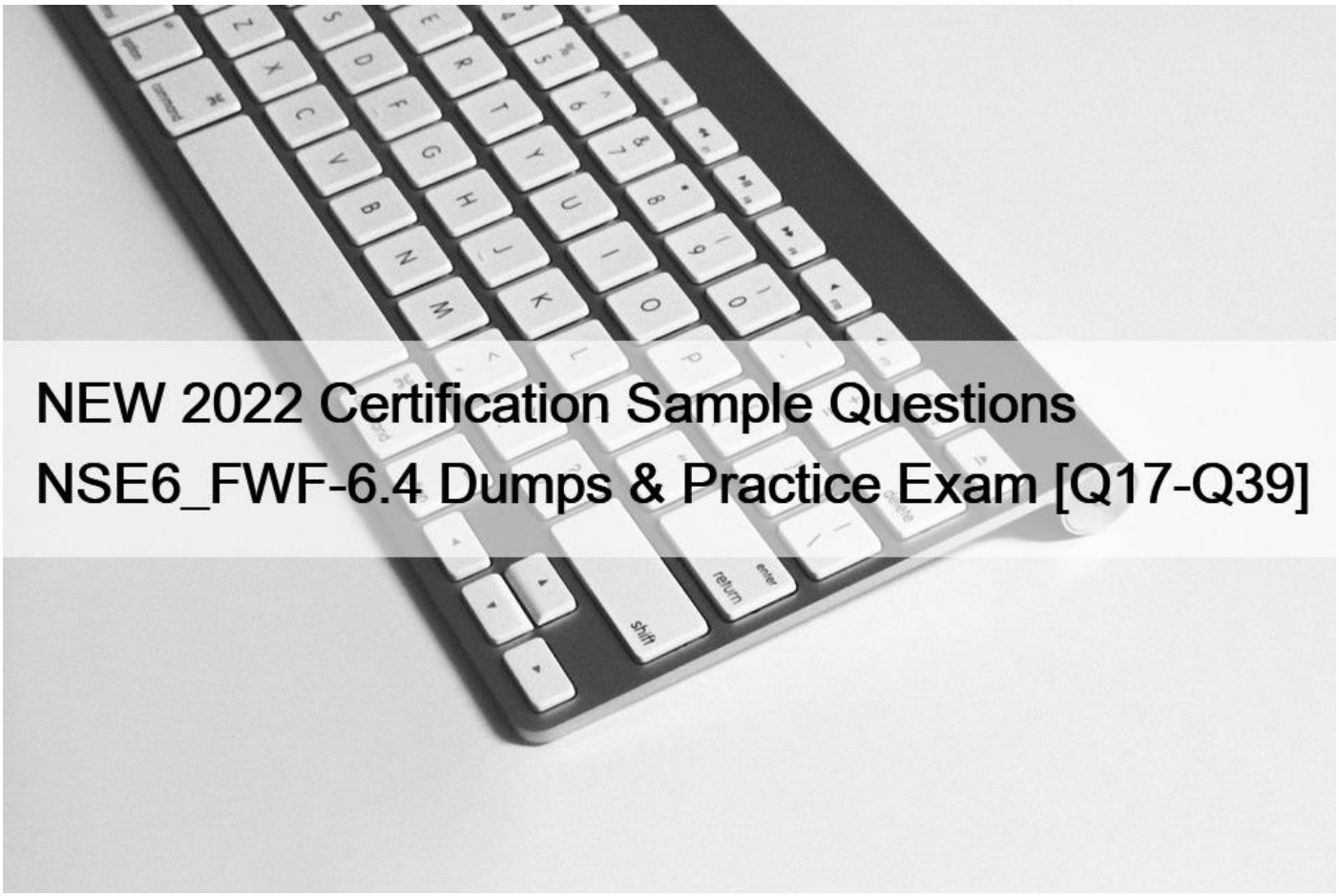
NEW 2022 Certification Sample Questions NSE6_FWF-6.4 Dumps & Practice Exam [Q17-Q39



NEW 2022 Certification Sample Questions NSE6_FWF-6.4 Dumps & Practice Exam
NSE6_FWF-6.4 Deluxe Study Guide with Online Test Engine

NEW QUESTION 17

Which of the following is a requirement to generate analytic reports using on-site FortiPresence deployment?
* SQL services must be running
* Two wireless APs must be sending data
* DTLS encryption on wireless traffic must be turned off
* Wireless network security must be set to open

NEW QUESTION 18

Which statement describes FortiPresence location map functionality?
* Provides real-time insight into user movements
* Provides real-time insight into user online activity
* Provides real-time insight into user purchase activity

* Provides real-time insight into user usage stats

NEW QUESTION 19

Refer to the exhibits.

Exhibit A

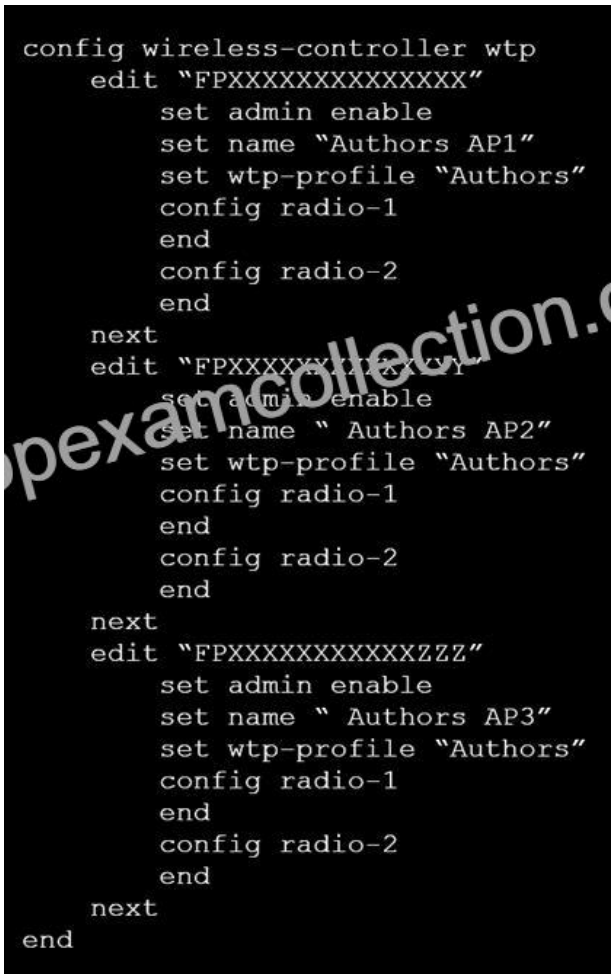


Exhibit B

A wireless network has been created to support a group of users in a specific area of a building. The wireless network is configured but users are unable to connect to it. The exhibits show the relevant controller configuration for the APs and the wireless network.

Which two configuration changes will resolve the issue? (Choose two.)
* For both interfaces in the wtp-profile, configure set vaps to be “Authors”
* Disable intra-vap-privacy for the Authors vap-wireless network
* For both interfaces in the wtp-profile, configure vap-all to be manual
* Increase the transmission power of the AP radio interfaces

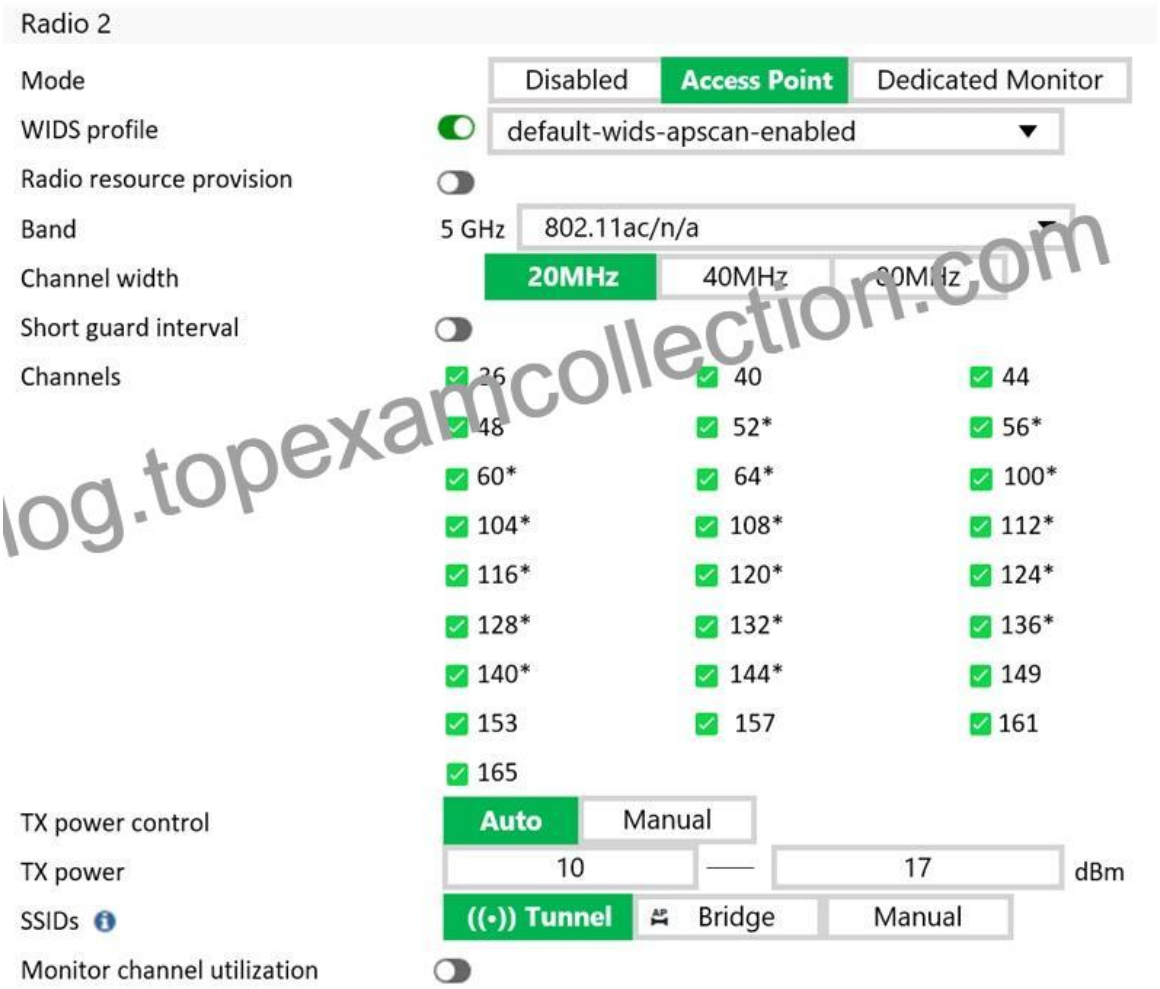
NEW QUESTION 20

Which administrative access method must be enabled on a FortiGate interface to allow APs to connect and function?
* Security Fabric
* SSH

* HTTPS
* FortiTelemetry

NEW QUESTION 21

Refer to the exhibit.



What does the asterisk (*) symbol beside the channel mean?
* Indicates channels that can be used only when Radio Resource Provisioning is enabled
* Indicates channels that cannot be used because of regulatory channel restrictions
* Indicates channels that will be scanned by the Wireless Intrusion Detection System (WIDS)
* Indicates channels that are subject to dynamic frequency selection (DFS) regulations

NEW QUESTION 22

Which two statements about background rogue scanning are correct? (Choose two.)
* A dedicated radio configured for background scanning can support the connection of wireless clients
* When detecting rogue APs, a dedicated radio configured for background scanning can suppress the rogue AP
* Background rogue scanning requires DARRP to be enabled on the AP instance
* A dedicated radio configured for background scanning can detect rogue devices on all other channels in its configured frequency

band

NEW QUESTION 23

Refer to the exhibits.

Exhibit A

```
config wireless-controller wtp-profile
    edit "Main Networks - FAP-320C"
        set comment "Profile with standard networks"
        config platform
            set type 320C
        end
        set handoff-rssi 30
        set handoff-sta-thresh 30
        set ap-country GB
        config radio-1
            set band 802.11n
            set power-level 50
            set channel-utilization enable
            set wids-profile "default-wids-apscan-enabled"
            set darrp enable
            set vap-all manual
            set vaps "Main-Wifi" "Contractors" "Guest"
"Wifi_IOT" "Wifi_POS" "Staff" "Students"
            set channel "1" "6" "11"
        end
        config radio-2
            set band 802.11ac
            set channel-bonding 40MHz
            set power-level 60
            set channel-utilization enable
            set wids-profile "default-wids-apscan-enabled"
            set darrp enable
            set vap-all manual
            set vaps "Main-Wifi" "Contractors" "Guest"
"Wifi_IOT" "Wifi_POS" "Staff" "Students"
            set channel "36" "44" "52" "60"
        end
    next
end
```

Exhibit B

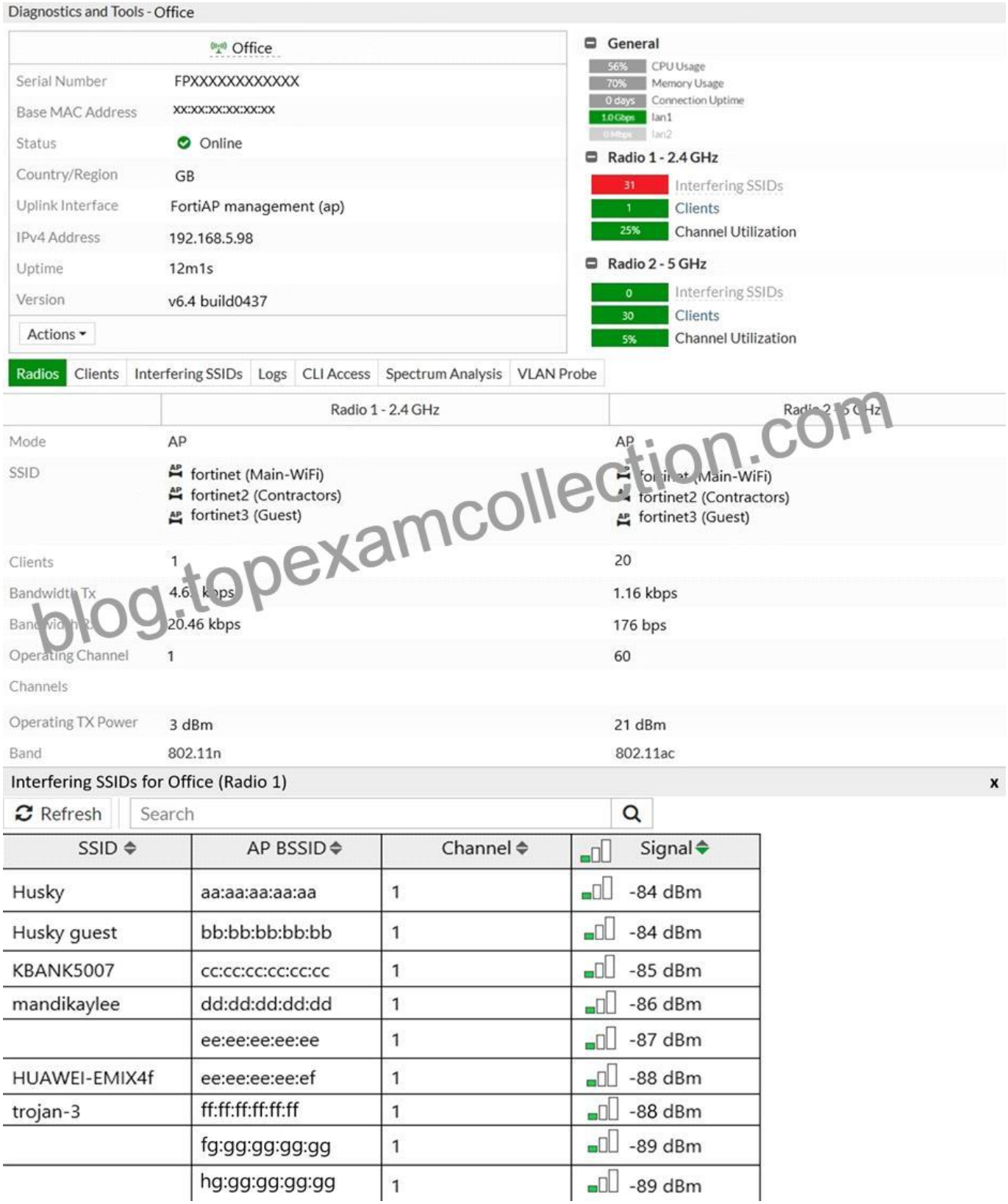


Exhibit C

```
# get wireless-controller rf-analysis FPXXXXXXXXXXXXX

WTP: Office 0-192.168.5.98:5246

    channel    rssi-total   rf-score     overlap-ap   interfere-ap   chan-utilization
        1        100           6            13            13            63%
        2        23           10             0            22            47%
        3        15           10             0            22            15%
        4        24           10             0            22            15%
        5        51           10             0            22            41%
        6        223           1             9             9            75%
        7        52           10             0            17            47%
        8        32           10             0            17            13%
        9        27           10             0            19            10%
        10       45           10             0            19            28%
        11       177           1             8            10            65%
        12       46           10             0            10            34%
        13       45           10             2            10            70%
        14       14           10             0            10             0%
        36       16           10             2             2             0%
        44       83            7             5             5             0%
```


A wireless network has been installed in a small office building and is being used by a business to connect its wireless clients. The network is used for multiple purposes, including corporate access, guest access, and connecting point-of-sale and IoT devices.

Users connecting to the guest network located in the reception area are reporting slow performance. The network administrator is reviewing the information shown in the exhibits as part of the ongoing investigation of the problem. They show the profile used for the AP and the controller RF analysis output together with a screenshot of the GUI showing a summary of the AP and its neighboring APs.

To improve performance for the users connecting to the guest network in this area, which configuration change is most likely to improve performance?
* Increase the transmission power of the AP radios
* Enable frequency handoff on the AP to band steer clients
* Reduce the number of wireless networks being broadcast by the AP
* Install another AP in the reception area to improve available bandwidth

NEW QUESTION 24

When configuring a wireless network for dynamic VLAN allocation, which three IETF attributes must be supplied by the radius server? (Choose three.)
* 81 Tunnel-Private-Group-ID
* 65 Tunnel-Medium-Type
* 83 Tunnel-Preference
* 58 Egress-VLAN-Name
* 64 Tunnel-Type

The RADIUS user attributes used for the VLAN ID assignment are:

IETF 64 (Tunnel Type)-Set this to VLAN.

IETF 65 (Tunnel Medium Type)-Set this to 802

IETF 81 (Tunnel Private Group ID)-Set this to VLAN ID.

NEW QUESTION 25

Which two statements about distributed automatic radio resource provisioning (DARRP) are correct? (Choose two.)
* DARRP performs continuous spectrum analysis to detect sources of interference. It uses this information to allow the AP to select the optimum channel.
* DARRP performs measurements of the number of BSSIDs and their signal strength (RSSI). The controller then uses this information to select the optimum channel for the AP.
* DARRP measurements can be scheduled to occur at specific times.
* DARRP requires that wireless intrusion detection (WIDS) be enabled to detect neighboring devices.
According to Fortinet training: “When using DARRP, the AP selects the best channel available to use based on the scan results of BSSID/receive signal strength (RSSI) to AC” and “To set the running time for DARRP optimization, use the following CLI command within the wireless controller setting: set darrp-optimize {integer}. Note that DARRP doesn’t do continuous spectrum analysis…”

NEW QUESTION 26

Which factor is the best indicator of wireless client connection quality?
* Downstream link rate, the connection rate for the AP to the client
* The receive signal strength (RSS) of the client at the AP
* Upstream link rate, the connection rate for the client to the AP
* The channel utilization of the channel the client is using

NEW QUESTION 27

Which statement describes FortiPresence location map functionality?
* Provides real-time insight into user movements
* Provides real-time insight into user online activity
* Provides real-time insight into user purchase activity
* Provides real-time insight into user usage stats
This geographical data analysis provides real-time insights into user behavior.

NEW QUESTION 28

Refer to the exhibits.

Exhibit A

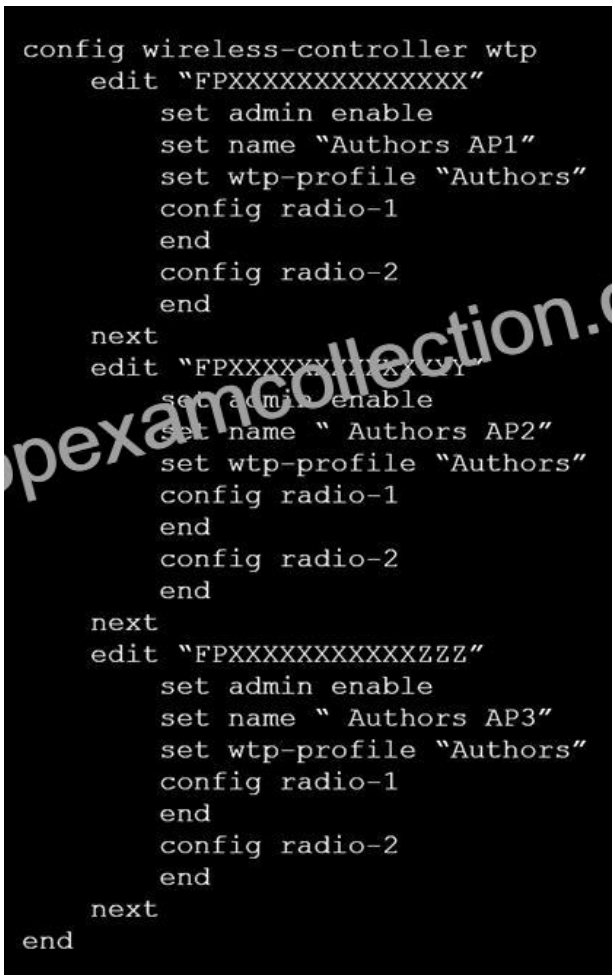

config wireless-controller wtp
edit "FPXXXXXXXXXXXXX"
set admin enable
set name "Authors AP1"
set wtp-profile "Authors"
config radio-1
end
config radio-2
end
next
edit "FPXXXXXXXXXXXXY"
set admin enable
set name " Authors AP2"
set wtp-profile "Authors"
config radio-1
end
config radio-2
end
next
edit "FPXXXXXXXXXXXZZZ"
set admin enable
set name " Authors AP3"
set wtp-profile "Authors"
config radio-1
end
config radio-2
end
next
end

Exhibit B

A wireless network has been created to support a group of users in a specific area of a building. The wireless network is configured but users are unable to connect to it. The exhibits show the relevant controller configuration for the APs and the wireless network.

Which two configuration changes will resolve the issue? (Choose two.)

* For both interfaces in the wtp-profile, configure set vaps to be “Authors”
* Disable intra-vap-privacy for the Authors vap-wireless network
* For both interfaces in the wtp-profile, configure vap-all to be manual
* Increase the transmission power of the AP radio interfaces

NEW QUESTION 29

Refer to the exhibits.

Exhibit A

```
53836.574 xx:xx:xx:xx:xx:xx <ih> IEEE 802.11 mgmt::assoc_req <==
xx:xx:xx:xx:xx:xx ws (0-192.168.5.98:5246) vap Wireless rId 1 wId2
yy:yy:yy:yy:yy:yy

53836.574 xx:xx:xx:xx:xx:xx  <ih> xx:xx:xx:xx:xx:xx sta =
0x6311c88, sta->flags = 0x00000001, auth_alg = 0, hapd->splitMac: 1

53836.575 xx:xx:xx:xx:xx:xx  <ih> IEEE 802.11 mgmt::assoc_resp <==
xx:xx:xx:xx:xx:xx ws (0-192.168.5.98:5246) vap Wireless rId 1 wId2
yy:yy:yy:yy:yy:yy

53836.575 xx:xx:xx:xx:xx:xx <ih> IEEE 802.11 mgmt::assoc_resp <==
xx:xx:xx:xx:xx:xx ws (0-192.168.5.98:5246) vap Wireless rId 1 wId2
yy:yy:yy:yy:yy:yy

53836.575 xx:xx:xx:xx:xx:xx <dc> STA add xx:xx:xx:xx:xx:xx vap
Wireless ws (0-192.168.5.98:5246) rId 1 wId2 bssid
yy:yy:yy:yy:yy:yy NON-AUTH   band 0x10 mimo 2*2

53836.575 xx:xx:xx:xx:xx:xx <cc> STA CFG REQ(10) sta
xx:xx:xx:xx:xx:xx add ==> ws (0-192.168.5.98:5246) rId 1 wId 2

53836.576 xx:xx:xx:xx:xx:xx <cc> STA add xx:xx:xx:xx:xx:xx  vap
Wireless ws (0-192.168.5.98:5246) rId 1 wId 2 yy:yy:yy:yy:yy:yy sec
WPA2_PERSONAL auth 0

53836.576 xx:xx:xx:xx:xx:xx cwAcStaRbtAdd: I2C_STA_ADD insert sta
xx:xx:xx:xx:xx:xx  192.168.5.98/1/2/1

53836.577 xx:xx:xx:xx:xx:xx <cc> STA_CFG_RESP(10) sta xx:xx:xx:xx:xx:xx
<== ws (0-192.168.5.98:5246) rc 0 (Success)

64318.579 xx:xx:xx:xx:xx:xx <eh> RADIUS message (type=0) ==> RADIUS
Server code=1 (Access-Request) id=9 len=214

64318.579 xx:xx:xx:xx:xx:xx <eh>    send 1/4 msg of 4-Way
Handshake

64318.580 xx:xx:xx:xx:xx:xx <eh>    send IEEE 802.1X ver=2 type=3
(EAPOL_KEY) data len=95 replay cnt 1

64813.580 xx:xx:xx:xx:xx:xx <eh> IEEE 802.1X (EAPOL99B) ==>
xx:xx:xx:xx:xx:xx ws (0-192.168.5.98:5246) rId 1 wId 2
yy:yy:yy:yy:yy:yy

64318.582 xx:xx:xx:xx:xx:xx <eh> RADIUS message (type=0) <== RADIUS
Server code=2 (Access-Accept) id=9 len=114

53836.582 xx:xx:xx:xx:xx:xx <dc> STA chg xx:xx:xx:xx:xx:xx vap
Wireless ws (0-192.168.5.98:5246) rId 1 wId 2 bssid
yy:yy:yy:yy:yy:yy Auth:allow
```


Exhibit B

```
64813.583 xx:xx:xx:xx:xx:xx <eh> IEEE 802.1X (EAPOL 121B) <==
xx:xx:xx:xx:xx:xx ws (0-192.168.5.98:5246) rId 1 wId2
yy:yy:yy:yy:yy:yy

64813.583 xx:xx:xx:xx:xx:xx <eh>     recv IEEE 802.1X ver=1 type=3
(EAPOL_KEY) data len=117

64813.583 xx:xx:xx:xx:xx:xx <eh>     recv EAPOL-Key 2/4 Pairwise
replay cnt 1

64813.583 xx:xx:xx:xx:xx:xx <eh>     send 3/4 msg of 4-Way
Handshake

64813.584 xx:xx:xx:xx:xx:xx <eh>     send IEEE 802.1X ver=2 type=3
(EAPOL_KEY) data len=151 replay cnt 2

64813.584 xx:xx:xx:xx:xx:xx <eh> IEEE 802.1X (EAPOL 155B) ==>
xx:xx:xx:xx:xx:xx ws (0-192.168.5.98:5246) rId 1 wId2
yy:yy:yy:yy:yy:yy

64813.586 xx:xx:xx:xx:xx:xx <eh> IEEE 802.1X (EAPOL 99B) <==
xx:xx:xx:xx:xx:xx ws (0-192.168.5.98:5246) rId 1 wId2
yy:yy:yy:yy:yy:yy

64813.586 xx:xx:xx:xx:xx:xx <eh>     recv IEEE 802.1X ver=1 type=3
(EAPOL_KEY) data len=35

64813.586 xx:xx:xx:xx:xx:xx <eh>     recv EAPOL-Key 4/4 Pairwise
replay cnt 2

53836.587 xx:xx:xx:xx:xx:xx <dc> STA chg xx:xx:xx:xx:xx:xx vap
Wireless ws (0-192.168.5.98:5246) rId 1 wId2 bssid
yy:yy:yy:yy:yy:yy AUTH

53836.587 xx:xx:xx:xx:xx:xx <cc> STA chg xx:xx:xx:xx:xx:xx vap
Wireless ws (0-192.168.5.98:5246) rId 1 wId2 yy:yy:yy:yy:yy:yy sec
WPA2 PERSONAL auth 1 ******

53836.587 xx:xx:xx:xx:xx:xx <cc> STA_CFG_REQ(12) sta
xx:xx:xx:xx:xx:xx add key (len=16) ==> ws (0-192.168.5.98:5246) rId
1 wId2

53836.589 xx:xx:xx:xx:xx:xx <cc> STA_CFG_REQ(12) xx:xx:xx:xx:xx:xx
<== ws (0-192.168.5.98:5246) rc 0 (Success)

53837.140 xx:xx:xx:xx:xx:xx <dc> DHCP Request server 0.0.0.0 <==
host DESKTOP-CVKGHH mac xx:xx:xx:xx:xx:xx ip 192.168.30.2 xId
88548005

53837.142 xx:xx:xx:xx:xx:xx <dc> DHCP Ack server 192.168.30.1 ==>
host  mac xx:xx:xx:xx:xx:xx ip 192.168.30.2 mask 255.255.255.0 gw
192.168.30.1 xId 88548005
```


The exhibits show the diagnose debug log of a station connection taken on the controller CLI.

Which security mode is used by the wireless connection?

* WPA2 Enterprise
* WPA3 Enterprise

* WPA2 Personal and radius MAC filtering
* Open, with radius MAC filtering

NEW QUESTION 30

Which two roles does FortiPresence analytics assist in generating presence reports? (Choose two.)
* Gathering details about on site visitors
* Predicting the number of guest users visiting on-site
* Comparing current data with historical records
* Reporting potential threats by guests on site

NEW QUESTION 31

How are wireless clients assigned to a dynamic VLAN configured for hash mode?
* Using the current number of wireless clients connected to the SSID and the number of IPs available in the least busy VLAN
* Using the current number of wireless clients connected to the SSID and the number of clients allocated to each of the VLANs
* Using the current number of wireless clients connected to the SSID and the number of VLANs available in the pool
* Using the current number of wireless clients connected to the SSID and the group the FortiAP is a member of

VLAN from the VLAN pool based on a hash of the current number of SSID clients and the number of entries in the VLAN pool.

NEW QUESTION 32

Which factor is the best indicator of wireless client connection quality?
* Downstream link rate, the connection rate for the AP to the client
* The receive signal strength (RSS) of the client at the AP
* Upstream link rate, the connection rate for the client to the AP
* The channel utilization of the channel the client is using

SSI, or “Received Signal Strength Indicator,” is a measurement of how well your device can hear a signal from an access point or router. It’s a value that is useful for determining if you have enough signal to get a good wireless connection.

NEW QUESTION 33

Refer to the exhibit.

If the signal is set to -68 dB on the FortiPlanner site survey reading, which statement is correct regarding the coverage area?
* Areas with the signal strength equal to -68 dB are zoomed in to provide better visibility
* Areas with the signal strength weaker than -68 dB are cut out of the map
* Areas with the signal strength equal or stronger than -68 dB are highlighted in multicolor
* Areas with the signal strength weaker than -68 dB are highlighted in orange and red to indicate that no signal was propagated by the APs.

NEW QUESTION 34

As standard best practice, which configuration should be performed before configuring FortiAPs using a FortiGate wireless controller?
* Create wireless LAN specific policies
* Preauthorize APs
* Create a custom AP profile
* Set the wireless controller country setting

NEW QUESTION 35

You are investigating a wireless performance issue and you are trying to audit the neighboring APs in the PF environment. You review the Rogue APs widget on the GUI but it is empty, despite the known presence of other APs.

Which configuration change will allow neighboring APs to be successfully detected?
* Enable Locate WiFi clients when not connected in the relevant AP profiles.
* Enable Monitor channel utilization on the relevant AP profiles.
* Ensure that all allowed channels are enabled for the AP radios.
* Enable Radio resource provisioning on the relevant AP profiles.

The ARRP (Automatic Radio Resource Provisioning) profile improves upon DARRP (Distributed Automatic Radio Resource Provisioning) by allowing more factors to be considered to optimize channel selection among FortiAPs. DARRP uses the neighbor APs channels and signal strength collected from the background scan for channel selection.