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Fortinet

NSE5_FWF_AD-7.6

Fortinet NSE 5 - Secure Wireless LAN 7.6 Administrator



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Question: 1

An administrator is trying to confirm whether a wireless issue affects one device type or many. Which source should be reviewed first?
Response:

A. Client information
B. Firewall policy list
C. LED behavior
D. Cable labels

Answer: A

Explanation:
Reviewing client information reveals whether a problem affects one device type or many.

Question: 2

Which two statements are true about AP profiles?
(Choose two.)
Response:

A. AP profiles are model specific.
B. A profile must be applied manually to an AP before it can be managed by FortiGate.
C. An AP must be authorized before having a profile applied.
D. A FortiAP profile must be applied to a FortiAP group.

Answer: A,C

Explanation:
FortiAP profiles are tied to a specific AP model because radio and hardware capabilities differ per platform.
A FortiAP must be discovered and authorized on the FortiGate before a profile takes effect.

Question: 3

When configuring a wireless network for dynamic VLAN allocation, which three IETF attributes must be supplied by the RADIUS server?
(Choose three.)
Response:

A. 81 Tunnel-Private-Group-ID
B. 65 Tunnel-Medium-Type
C. 83 Tunnel-Preference
D. 58 Egress-VLAN-Name
E. 64 Tunnel-Type

Answer: B,C,E

Explanation:
Tunnel-Private-Group-ID carries the VLAN ID that the RADIUS server returns for dynamic assignment.
Tunnel-Medium-Type identifies the transport medium (IEEE 802) and is one of the three required attributes.
Tunnel-Type must be set to VLAN so the RADIUS server signals that a VLAN is being assigned.

Question: 4

An administrator is comparing the behavior of a healthy client and a failing client on the same WLAN.
Which objective is most directly involved?
Response:

A. Interpret client data
B. Build guest portals
C. Configure AIOps
D. Tune radio power

Answer: A

Explanation:
Comparing a healthy and a failing client is an exercise in interpreting client data.

Question: 5

Match each management objective to the best Fortinet mechanism.
A) Apply the same radio settings to many APs
B) Control FortiAP devices centrally
C) Evaluate movement and presence trends
D) Assist with operational issue insight
Select the option that maps every objective correctly.
Response:

A. A → Custom access point profile B → FortiGate integrated wireless controller C → FortiPresence D → FortiAIOps
B. A → FortiPresence B → FortiGate integrated wireless controller C → Custom access point profile D → FortiAIOps
C. A → Custom access point profile B → FortiAIOps C → FortiPresence D → FortiGate integrated wireless controller

D. A → Custom access point profile B → FortiGate integrated wireless controller C → FortiAIOps D → FortiPresence

Answer: A

Explanation:
This option pairs every objective with the correct mechanism: profiles for shared radio settings, FortiGate as controller, FortiPresence for movement trends, and FortiAIOps for operational insight.

Question: 6

An AP team wants to balance service delivery and security visibility by scanning selected channels instead of every possible one.
Why is this approach useful?
Response:

A. It reduces the number of channels scanned and can improve the reporting interval
B. It removes the need for WIDS profiles entirely
C. It eliminates the need for AP monitoring radios
D. It guarantees all rogue APs are suppressed automatically

Answer: A

Explanation:
Scanning selected channels lowers scanning overhead and can shorten the reporting interval.

Question: 7

An administrator wants to apply the same radio, channel, and SSID settings to multiple FortiAP devices at once. Which method is the most appropriate?
Response:

A. Use a custom access point profile
B. Create one SSID per FortiAP manually
C. Configure each radio through CLI only
D. Use FortiPresence location groups

Answer: A

Explanation:
A custom access point profile applies the same radio, channel, and SSID settings to many FortiAPs at once.

Question: 8

A wireless client population includes voice handsets, laptops, and IoT sensors.
Why should the administrator understand wireless technology standards before creating SSIDs?
Response:

A. Different client types may support different capabilities and performance levels
B. Standards only matter when using FortiAnalyzer reports
C. SSIDs are unrelated to radio capability planning
D. Standards remove the need to tune AP profiles

Answer: A

Explanation:
Because client types vary in the standards and capabilities they support, understanding those standards guides sound SSID and radio planning.

Question: 9

Which two statements about wireless NAC support are correct?
(Choose two.)
Response:

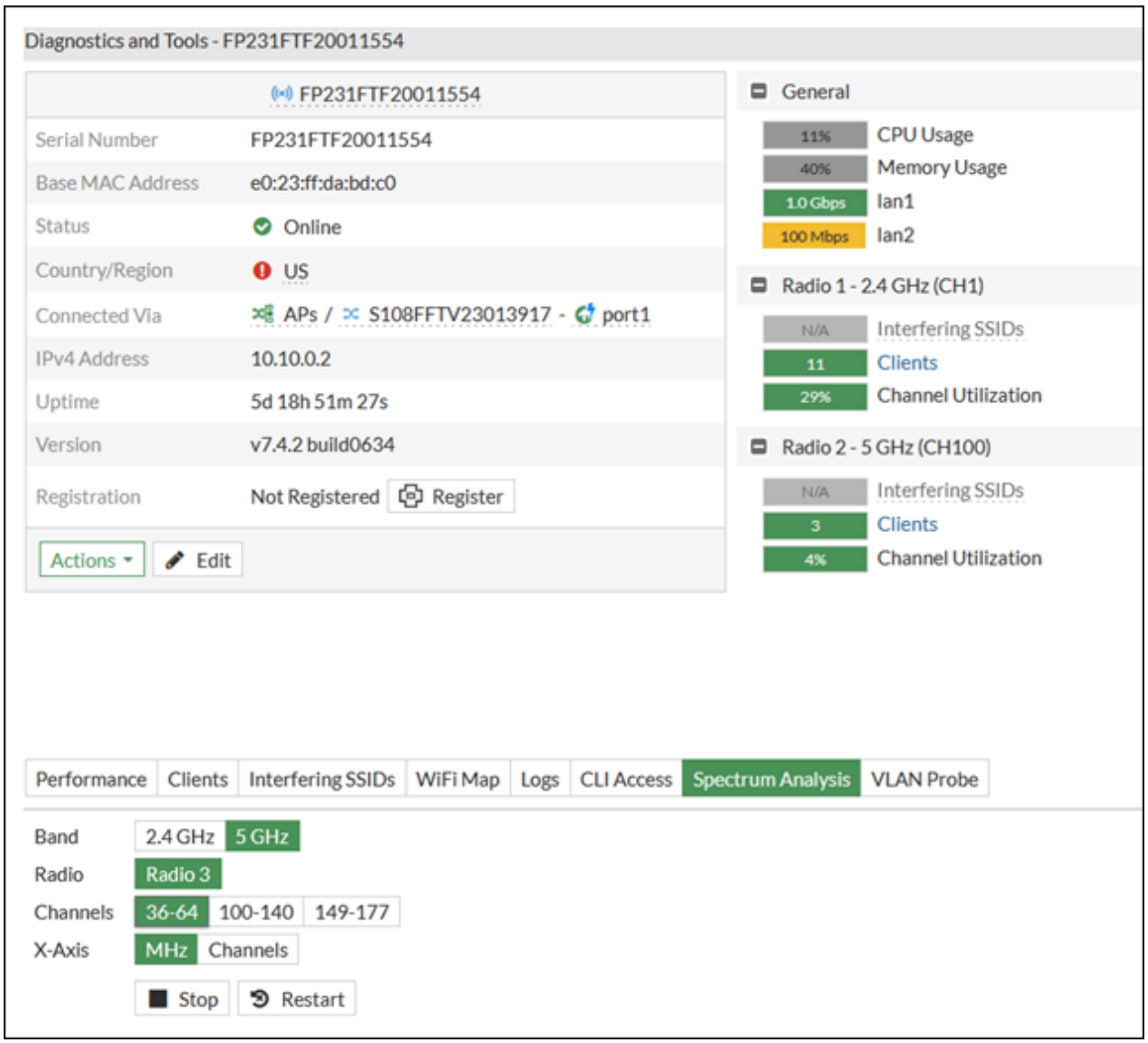
A. Wireless NAC can onboard clients into a default VLAN
B. NAC policies can match clients by device properties, user groups, or EMS tags
C. Wireless NAC works only for wired FortiSwitch ports
D. Wireless NAC cannot assign clients to specific VLANs
E. Wireless NAC replaces SSID configuration entirely

Answer: A,B

Explanation:
New devices can be placed onto a default onboarding VLAN until a NAC policy moves them to their assigned segment.
Wireless NAC policies can match on device attributes, user group membership, or FortiClient EMS tags to decide placement.

Question: 10

Refer to the exhibit.



Why is Radio 3 used for the spectrum analysis?
Response:

A. The 5 GHz frequency band is available only on Radio 3.
B. Radio 3 is the configured dedicated monitoring radio for this FortiAP model.
C. Only Radio 3 is compatible with the selected band.
D. Radio 1 and Radio 2 are unavailable to run the spectrum analysis.

Answer: B

Explanation:
The exhibit shows a FortiAP with three radios, and the Spectrum Analysis tool runs on Radio 3 because that radio is the dedicated monitoring/scanning radio on this model, leaving Radio 1 (2.4 GHz) and Radio 2 (5 GHz) to serve clients.

Question: 11

Two APs are located in a shop that is required to support forty 2.4 GHz point-of-sale wireless devices. The APs are managed by a centrally hosted FortiGate. A previous wireless network administrator has enabled client load balancing between APs.
However, the clients are not balancing well between the APs, causing overloading on one of the AP radios. Refer to the exhibit, which is part of the configuration of the AP profile that is used for the APs.

```
# show full-configuration wireless-controller wtp-profile
Shop
config wireless-controller wtp-profile
    edit "Shop"
        set comment "Profile with standard networks"
        config platform
            set type 320C
        end
        set dtls-policy clear-text
        set max-clients 0
        set handoff-rssi 30
        set handoff-sta-thresh 10
        set handoff-roaming enable
        set ap-country GB
        set ip-fragment-preventing tcp-mss-adjust
        config radio-1
            set mode ap
            set band 802.11n,g-only
            set protection-mode disable
            unset powersave-optimize
            set amsdu enable
            set coexistence enable
            set short-guard-interval disable
            set channel-bonding 20MHz
            set auto-power-level disable
            set channel-utilization enable
            set spectrum-analysis disable
            set wids-profile "default-wids-apacan-enabled"
            set darrp enable
            set max-clients 0
            set max-distance 0
            set frequency-handoff disable
            set ap-handoff enable
            set channel "1" "6" "11"
            set vap-all disable
            set vaps "POS"
            set call-admission-control disable
        end
        config radio-2
            set mode ap
            set band 802.11ac
            unset powersave-optimize
            set short-guard-interval disable
            set channel-bonding 40MHz
            set auto-power-level disable
            set power-level 100
            set dtim 1
            set wids-profile "default-wids-apacan-enabled"
            set darrp enable
            set max-clients 0
            set max-distance 0
            set frequency-handoff disable
            set ap-handoff enable
            set vap-all disable
            set vaps "POS"
            set channel "36" "44" "52"
            set call-admission-control disable
        end
    end
```

The first AP has 35 clients associated with it, the second has five clients associated with it. The detected noise floor of the network is -91 dBm. The channel utilization for both 2.4 GHz interfaces is less than 40%. The clients have a detected signal strength of between -53 and -71 dBm.
Which configuration change would improve the distribution of wireless clients between the APs?
Response:

A. Manually configure 2.4 GHz interfaces of both APs to separate channels.
B. Increase the handoff-sta-thresh option to 20.
C. Set the max-clients option to 20.
D. Decrease the handoff-rssi option to 20.

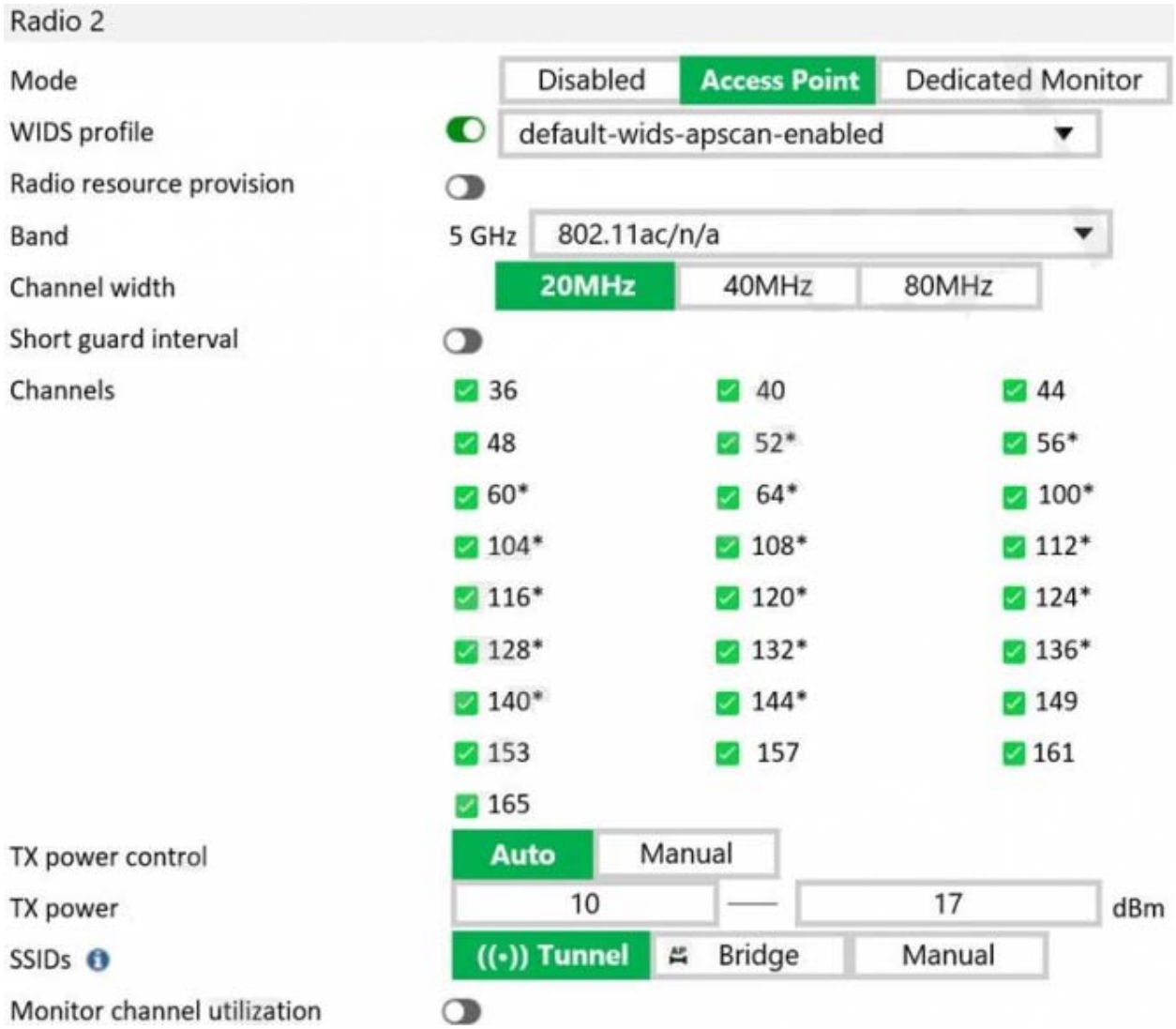
Answer: D

Explanation:

The exhibit shows the profile with handoff-rssi set to 30 while the clients report signal strengths of -53 to -71 dBm; because channel utilization is low and noise is not a factor, adjusting handoff-rssi to 20 lets the load-balancing handoff act on these clients so the overloaded AP can redistribute them to the underused AP.

Question: 12

Refer to the exhibit.



What does the asterisk (*) symbol beside the channel mean?

A. Indicates channels that are subject to dynamic frequency selection (DFS) regulations
B. Indicates channels that cannot be used because of regulatory channel restrictions
C. Indicates channels that will be scanned by the Wireless Intrusion Detection System (WIDS)
D. Indicates channels that can be used only when Radio Resource Provisioning is enabled

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Answer: A

Explanation:
In the exhibit the asterisk appears on the 5 GHz channels from 52 through 144; these are DFS channels, where the AP must monitor for radar and vacate the channel if radar is detected.

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