# NSE6_FWF-6.4 Q&As

Fortinet NSE 6 - Secure Wireless LAN 6.4

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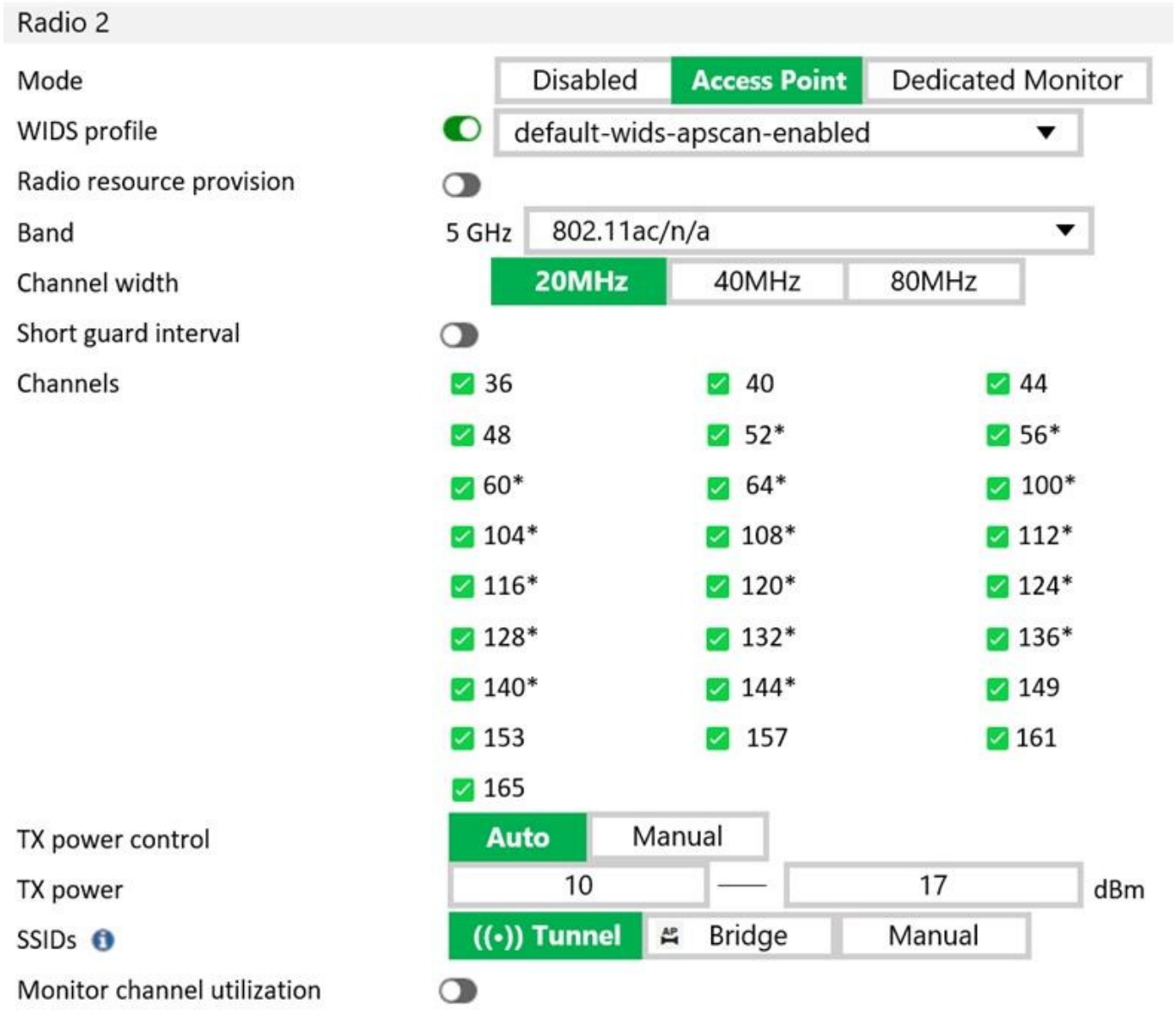
**QUESTION 1**

Refer to the exhibit.




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

A. Indicates channels that can be used only when Radio Resource Provisioning is enabled

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 are subject to dynamic frequency selection (DFS) regulations

Correct Answer: A

**QUESTION 2**

Refer to the exhibits. Exhibit A

```
config wireless-controller wtp
    edit "FPXXXXXXXXXXXXXX"
        set admin enable
        set name "Authors AP1"
        set wtp-profile "Authors"
        config radio-1
        end
        config radio-2
        end
    next
    edit "FPXXXXXXXXXXXYYY"
        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

```
sh wireless-controller wtp-profile Authors
config wireless-controller wtp-profile
    edit "Authors"
        set comment "APs allocated to authors"
        set handoff-sta-tresh 30
        config radio-1
            set band 802.11n-5G
            set channel-bonding 40MHz
            set auto-power-level enable
            set auto-power-high 12
            set auto-power-low 1
            set vap-all tunnel
        set channel "36" "40" "44" "48" "52" "56"
"60" "64" "100" "104" "108" "112" "116" "120" "124"
"128" "132" "136"
        end
        config radio-2
            set band 802.11n, g-only
            set auto-power-level enable
            set auto-power-high 12
            set auto-power-low 1
            set vap-all tunnel
            set channel "1" "6" "11"
        end
    next
end
config wireless-controller vap
       edit "Authors"
        set ssid "Authors"
        set security wpa2-only-enterprise
        set radius-mac-auth enable
        set radius-mac-auth-server "Main AD"
        set local-bridging enable
        set intra-vap-privacy enable
        set schedule "always"
    next
end
```

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.)

A. For both interfaces in the wtp-profile, configure set vaps to be “Authors”

B. Disable intra-vap-privacy for the Authors vap-wireless network

C. For both interfaces in the wtp-profile, configure vap-all to be manual

D. Increase the transmission power of the AP radio interfaces

Correct Answer: BC

**QUESTION 3**

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?

A. Enable Locate WiFi clients when not connected in the relevant AP profiles.

B. Enable Monitor channel utilization on the relevant AP profiles.

C. Ensure that all allowed channels are enabled for the AP radios.

D. Enable Radio resource provisioning on the relevant AP profiles.

Correct Answer: D

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.

Reference: https://docs.fortinet.com/document/fortigate/6.4.0/new-features/228374/add-arrp-profile-for-wireless-controller-6-4-2

**QUESTION 4**

When using FortiPresence as a captive portal, which two types of public authentication services can be used to access guest Wi-Fi? (Choose two.)

A. Social networks authentication

B. Software security token authentication

C. Short message service authentication

D. Hardware security token authentication

Correct Answer: AD

This information along with the social network authentication logins with Facebook, Google, Instagram, LinkedIn, or FortiPresence using your WiFi.

Captive Portal configurations for social media logins and internet access. You can add and manage sites using the integrated Google maps and manoeuvre your hardware infrastructure easily.

Reference: https://fortinetweb.s3.amazonaws.com/docs.fortinet.com/v2/attachments/e126e498-eabb-11eb-97f7-00505692583a/FortiPresence-21.3-Administration_Guide.pdf

**QUESTION 5**

Which two statements about distributed automatic radio resource provisioning (DARRP) are correct? (Choose two.)

A. DARRP performs continuous spectrum analysis to detect sources of interference. It uses this information to allow the AP to select the optimum channel.

B. 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.

C. DARRP measurements can be scheduled to occur at specific times.

D. DARRP requires that wireless intrusion detection (WIDS) be enabled to detect neighboring devices.

Correct Answer: AD

DARRP (Distributed Automatic Radio Resource Provisioning) technology ensures the wireless infrastructure is always optimized to deliver maximum performance. Fortinet APs enabled with this advanced feature continuously monitor the RF environment for interference, noise and signals from neighboring APs, enabling the FortiGate WLAN Controller to determine the optimal RF power levels for each AP on the network. When a new AP is provisioned, DARRP also ensures that it chooses the optimal channel, without administrator intervention.

Reference: http://www.corex.at/Produktinfos/FortiOS_Wireless.pdf