



NSE6_FWF-6.4^{Q&As}

Fortinet NSE 6 - Secure Wireless LAN 6.4

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QUESTION 1

Refer to the exhibits.

Exhibit A

```
config wireless-controller wtp
  edit "FPXXXXXXXXXXXXXXXXX"
    set admin enable
    set name "Authors AP1"
    set wtp-profile "Authors"
    config radio-1
  end
  config radio-2
  end
next
edit "FPXXXXXXXXXXXXXXXXYYY"
  set admin enable
  set name " Authors AP2"
  set wtp-profile "Authors"
  config radio-1
  end
  config radio-2
  end
next
edit "FPXXXXXXXXXXXXXXXXZZZ"
  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 2

Which of the following is a requirement to generate analytic reports using on-site FortiPresence deployment?

- A. SQL services must be running
- B. Two wireless APs must be sending data
- C. DTLS encryption on wireless traffic must be turned off
- D. Wireless network security must be set to open

Correct Answer: B

FortiPresence VM is deployed locally on your site and consists of two virtual machines. All the analytics data collected and computed resides locally on the VMs.

Reference: https://fortinetweb.s3.amazonaws.com/docs.fortinet.com/v2/attachments/30bd9962-44e811eb-b9ad-00505692583a/FortiPresence_VM-1.0.0-Administration_Guide.pdf

QUESTION 3

When configuring Auto TX Power control on an AP radio, which two statements best describe how the radio responds? (Choose two.)

- A. When the AP detects any other wireless signal stronger than -70 dBm, it will reduce its transmission power until it reaches the minimum configured TX power limit.
- B. When the AP detects PF Interference from an unknown source such as a cordless phone with a signal stronger than -70 dBm, it will increase its transmission power until it reaches the maximum configured TX power limit.
- C. When the AP detects any wireless client signal weaker than -70 dBm, it will reduce its transmission power until it reaches the maximum configured TX power limit.
- D. When the AP detects any interference from a trusted neighboring AP stronger than -70 dBm, it will reduce its transmission power until it reaches the minimum configured TX power limit.



Correct Answer: AC

Reference: https://www.watchguard.com/help/docs/help-center/en-US/Content/en-US/Fireware/wireless/ap_wireless_signalstrength_c.html

QUESTION 4

Which factor is the best indicator of wireless client connection quality?

- A. Downstream link rate, the connection rate for the AP to the client
- B. The receive signal strength (RSS) of the client at the AP
- C. Upstream link rate, the connection rate for the client to the AP
- D. The channel utilization of the channel the client is using

Correct Answer: B

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.

Reference: <https://www.metageek.com/training/resources/understanding-rssi.html>

QUESTION 5

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-forwireless-controller-6-4-2>