



Actual exam question from Fortinet's NSE6_FWF-6.4

Question #: 1

Topic #: 1

[\[All NSE6_FWF-6.4 Questions\]](#)

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.

Show Suggested Answer





Actual exam question from Fortinet's NSE6_FWF-6.4

Question #: 2

Topic #: 1

[\[All NSE6_FWF-6.4 Questions\]](#)

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

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Actual exam question from Fortinet's NSE6_FWF-6.4

Question #: 3

Topic #: 1

[\[All NSE6_FWF-6.4 Questions\]](#)

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.

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Actual exam question from Fortinet's NSE6_FWF-6.4

Question #: 4

Topic #: 1

[\[All NSE6_FWF-6.4 Questions\]](#)

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

```

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Exhibit B.

Diagnostics and Tools - Office

Office		General	
Serial Number	FPXXXXXXXXXXXX	56%	CPU Usage
Base MAC Address	xx:xx:xx:xx:xx:xx	70%	Memory Usage
Status	Online	0 days	Connection Uptime
Country/Region	GB	1.0 Gbps	lan1
Uplink Interface	FortiAP management (ap)	0 Mbps	lan2
IPv4 Address	192.168.5.98	Radio 1 - 2.4 GHz	
Uptime	12m1s	31	Interfering SSIDs
Version	v6.4 build0437	1	Clients
Actions		25%	Channel Utilization
		Radio 2 - 5 GHz	
		0	Interfering SSIDs
		30	Clients
		5%	Channel Utilization
<div style="display: flex; justify-content: space-between;"> Radio 1 - 2.4 GHz Radio 2 - 5 GHz </div>			
Mode	AP	AP	
SSID	fortinet (Main-WiFi) fortinet2 (Contractors) fortinet3 (Guest)	fortinet (Main-WiFi) fortinet2 (Contractors) fortinet3 (Guest)	
Clients	1	20	
Bandwidth Tx	4.65 kbps	1.16 kbps	
Bandwidth Rx	20.46 kbps	176 bps	
Operating Channel	1	60	
Channels			
Operating TX Power	3 dBm	21 dBm	
Band	802.11n	802.11ac	
Interfering SSIDs for Office (Radio 1)			
Refresh Search			
SSID	AP BSSID	Channel	Signal
Husky	aa:aa:aa:aa:aa	1	-84 dBm
Husky guest	bb:bb:bb:bb:bb	1	-84 dBm
KBANK5007	cc:cc:cc:cc:cc	1	-85 dBm
mandikaylee	dd:dd:dd:dd:dd	1	-86 dBm
	ee:ee:ee:ee:ee	1	-87 dBm
HUAWEI-EMIX4f	ee:ee:ee:ee:ef	1	-88 dBm
trojan-3	ff:ff:ff:ff:ff	1	-88 dBm
	fg:gg:gg:gg:gg	1	-89 dBm
	hg:gg:gg:gg:gg	1	-89 dBm

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Exhibit C.

```

# get wireless-controller rf-analysis FPXXXXXXXXXXXX
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%

```

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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

Show Suggested Answer





Actual exam question from Fortinet's NSE6_FWF-6.4

Question #: 5

Topic #: 1

[\[All NSE6_FWF-6.4 Questions\]](#)

Which two statements about background rogue scanning are correct? (Choose two.)

- A. A dedicated radio configured for background scanning can support the connection of wireless clients
- B. When detecting rogue APs, a dedicated radio configured for background scanning can suppress the rogue AP
- C. Background rogue scanning requires DARRP to be enabled on the AP instance
- D. A dedicated radio configured for background scanning can detect rogue devices on all other channels in its configured frequency band.

Show Suggested Answer





Actual exam question from Fortinet's NSE6_FWF-6.4

Question #: 6

Topic #: 1

[\[All NSE6_FWF-6.4 Questions\]](#)

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

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

Show Suggested Answer





Actual exam question from Fortinet's NSE6_FWF-6.4

Question #: 7

Topic #: 1

[\[All NSE6_FWF-6.4 Questions\]](#)

Which two phases are part of the process to plan a wireless design project? (Choose two.)

- A. Project information phase
- B. Hardware selection phase
- C. Site survey phase
- D. Installation phase

Show Suggested Answer





Actual exam question from Fortinet's NSE6_FWF-6.4

Question #: 8

Topic #: 1

[\[All NSE6_FWF-6.4 Questions\]](#)

When enabling security fabric on the FortiGate interface to manage FortiAPs, which two types of communication channels are established between FortiGate and FortiAPs? (Choose two.)

- A. Control channels
- B. Security channels
- C. FortLink channels
- D. Data channels

Show Suggested Answer



Actual exam question from Fortinet's NSE6_FWF-6.4

Question #: 9

Topic #: 1

[\[All NSE6_FWF-6.4 Questions\]](#)

Part of the location service registration process is to link FortiAPs in FortiPresence.

Which two management services can configure the discovered AP registration information from the FortiPresence cloud? (Choose two.)

- A. AP Manager
- B. FortiAP Cloud
- C. FortiSwitch
- D. FortiGate

Show Suggested Answer





Actual exam question from Fortinet's NSE6_FWF-6.4

Question #: 10

Topic #: 1

[\[All NSE6_FWF-6.4 Questions\]](#)

Which two configurations are compatible for Wireless Single Sign-On (WSSO)? (Choose two.)

- A. A VAP configured for captive portal authentication
- B. A VAP configured for WPA2 or 3 Enterprise
- C. A VAP configured to authenticate locally on FortiGate
- D. A VAP configured to authenticate using a radius server

Show Suggested Answer





Actual exam question from Fortinet's NSE6_FWF-6.4

Question #: 11

Topic #: 1

[\[All NSE6_FWF-6.4 Questions\]](#)

Where in the controller interface can you find a wireless client's upstream and downstream link rates?

- A. On the AP CLI, using the `cw_diag ksta` command
- B. On the controller CLI, using the `diag wireless-controller wlac -d sta` command
- C. On the AP CLI, using the `cw_diag -d sta` command
- D. On the controller CLI, using the WiFi Client monitor

Show Suggested Answer





Actual exam question from Fortinet's NSE6_FWF-6.4

Question #: 12

Topic #: 1

[\[All NSE6_FWF-6.4 Questions\]](#)

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

- A. Security Fabric
- B. SSH
- C. HTTPS
- D. FortiTelemetry

Show Suggested Answer





Actual exam question from Fortinet's NSE6_FWF-6.4

Question #: 13

Topic #: 1

[\[All NSE6_FWF-6.4 Questions\]](#)

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.

Show Suggested Answer





Actual exam question from Fortinet's NSE6_FWF-6.4

Question #: 14

Topic #: 1

[\[All NSE6_FWF-6.4 Questions\]](#)

Which two roles does FortiPresence analytics assist in generating presence reports? (Choose two.)

- A. Gathering details about on site visitors
- B. Predicting the number of guest users visiting on-site
- C. Comparing current data with historical records
- D. Reporting potential threats by guests on site

Show Suggested Answer





Actual exam question from Fortinet's NSE6_FWF-6.4

Question #: 15

Topic #: 1

[\[All NSE6_FWF-6.4 Questions\]](#)

What type of design model does FortiPlanner use in wireless design project?

- A. Architectural model
- B. Predictive model
- C. Analytical model
- D. Integration model

Show Suggested Answer





Actual exam question from Fortinet's NSE6_FWF-6.4

Question #: 16

Topic #: 1

[\[All NSE6_FWF-6.4 Questions\]](#)

As standard best practice, which configuration should be performed before configuring FortiAPs using a FortiGate wireless controller?

- A. Create wireless LAN specific policies
- B. Preauthorize APs
- C. Create a custom AP profile
- D. Set the wireless controller country setting

Show Suggested Answer



Actual exam question from Fortinet's NSE6_FWF-6.4

Question #: 17

Topic #: 1

[\[All NSE6_FWF-6.4 Questions\]](#)

Refer to the exhibit.

Radio 2

Mode	<input type="radio"/> Disabled <input checked="" type="radio"/> Access Point <input type="radio"/> Dedicated Monitor																													
WIDS profile	<input checked="" type="checkbox"/> default-wids-apscan-enabled ▼																													
Radio resource provision	<input type="checkbox"/>																													
Band	5 GHz 802.11ac/n/a ▼																													
Channel width	<input checked="" type="radio"/> 20MHz <input type="radio"/> 40MHz <input type="radio"/> 80MHz																													
Short guard interval	<input type="checkbox"/>																													
Channels	<table border="0"> <tr> <td><input checked="" type="checkbox"/> 36</td> <td><input checked="" type="checkbox"/> 40</td> <td><input checked="" type="checkbox"/> 44</td> </tr> <tr> <td><input checked="" type="checkbox"/> 48</td> <td><input checked="" type="checkbox"/> 52*</td> <td><input checked="" type="checkbox"/> 56*</td> </tr> <tr> <td><input checked="" type="checkbox"/> 60*</td> <td><input checked="" type="checkbox"/> 64*</td> <td><input checked="" type="checkbox"/> 100*</td> </tr> <tr> <td><input checked="" type="checkbox"/> 104*</td> <td><input checked="" type="checkbox"/> 108*</td> <td><input checked="" type="checkbox"/> 112*</td> </tr> <tr> <td><input checked="" type="checkbox"/> 116*</td> <td><input checked="" type="checkbox"/> 120*</td> <td><input checked="" type="checkbox"/> 124*</td> </tr> <tr> <td><input checked="" type="checkbox"/> 128*</td> <td><input checked="" type="checkbox"/> 132*</td> <td><input checked="" type="checkbox"/> 136*</td> </tr> <tr> <td><input checked="" type="checkbox"/> 140*</td> <td><input checked="" type="checkbox"/> 144*</td> <td><input checked="" type="checkbox"/> 149</td> </tr> <tr> <td><input checked="" type="checkbox"/> 153</td> <td><input checked="" type="checkbox"/> 157</td> <td><input checked="" type="checkbox"/> 161</td> </tr> <tr> <td><input checked="" type="checkbox"/> 165</td> <td></td> <td></td> </tr> </table>			<input checked="" type="checkbox"/> 36	<input checked="" type="checkbox"/> 40	<input checked="" type="checkbox"/> 44	<input checked="" type="checkbox"/> 48	<input checked="" type="checkbox"/> 52*	<input checked="" type="checkbox"/> 56*	<input checked="" type="checkbox"/> 60*	<input checked="" type="checkbox"/> 64*	<input checked="" type="checkbox"/> 100*	<input checked="" type="checkbox"/> 104*	<input checked="" type="checkbox"/> 108*	<input checked="" type="checkbox"/> 112*	<input checked="" type="checkbox"/> 116*	<input checked="" type="checkbox"/> 120*	<input checked="" type="checkbox"/> 124*	<input checked="" type="checkbox"/> 128*	<input checked="" type="checkbox"/> 132*	<input checked="" type="checkbox"/> 136*	<input checked="" type="checkbox"/> 140*	<input checked="" type="checkbox"/> 144*	<input checked="" type="checkbox"/> 149	<input checked="" type="checkbox"/> 153	<input checked="" type="checkbox"/> 157	<input checked="" type="checkbox"/> 161	<input checked="" type="checkbox"/> 165		
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<input checked="" type="checkbox"/> 153	<input checked="" type="checkbox"/> 157	<input checked="" type="checkbox"/> 161																												
<input checked="" type="checkbox"/> 165																														
TX power control	<input checked="" type="radio"/> Auto <input type="radio"/> Manual																													
TX power	<input type="text" value="10"/> — <input type="text" value="17"/> dBm																													
SSIDs ⓘ	<input checked="" type="radio"/> ((·)) Tunnel <input type="radio"/> Bridge <input type="radio"/> Manual																													
Monitor channel utilization	<input type="checkbox"/>																													

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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

Show Suggested Answer





Actual exam question from Fortinet's NSE6_FWF-6.4

Question #: 18

Topic #: 1

[\[All NSE6_FWF-6.4 Questions\]](#)

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

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Actual exam question from Fortinet's NSE6_FWF-6.4

Question #: 19

Topic #: 1

[\[All NSE6_FWF-6.4 Questions\]](#)

Six APs are located in a remotely based branch office and are managed by a centrally hosted FortiGate. Multiple wireless users frequently connect and roam between the APs in the remote office.

The network they connect to, is secured with WPA2-PSK. As currently configured, the WAN connection between the branch office and the centrally hosted FortiGate is unreliable.

Which configuration would enable the most reliable wireless connectivity for the remote clients?

- A. Configure a tunnel mode wireless network and enable split tunneling to the local network
- B. Configure a bridge mode wireless network and enable the Local standalone configuration option
- C. Configure a bridge mode wireless network and enable the Local authentication configuration option
- D. Install supported FortiAP and configure a bridge mode wireless network

Show Suggested Answer



Actual exam question from Fortinet's NSE6_FWF-6.4

Question #: 20

Topic #: 1

[\[All NSE6_FWF-6.4 Questions\]](#)

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?

- A. Areas with the signal strength equal to -68 dB are zoomed in to provide better visibility
- B. Areas with the signal strength weaker than -68 dB are cut out of the map
- C. Areas with the signal strength equal or stronger than -68 dB are highlighted in multicolor
- D. 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.

Show Suggested Answer