

Fortinet.NSE6_FWF-6.4.v2022-07-21.q10

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NEW QUESTION: 1

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 equal or stronger than -68 dB are highlighted in multicolor
- C. Areas with the signal strength weaker than -68 dB are cut out of the map
- 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.

Answer: ([SHOW ANSWER](#))

NEW QUESTION: 2

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

Diagnostics and Tools - Office

Office	
Serial Number	FPXXXXXXXXXXXX
Base MAC Address	XXXXXXXXXXXX
Status	✔ Online
Country/Region	GB
Uplink Interface	FortiAP management (ap)
IPv4 Address	192.168.5.98
Uptime	12m1s
Version	v6.4 build0437
<div style="border: 1px solid #ccc; padding: 2px; display: inline-block;">Actions ▾</div>	

General

- 56% CPU Usage
- 70% Memory Usage
- 0 days Connection Uptime
- 1.0 Gbps lan1
- lan2

Radio 1 - 2.4 GHz

- 31 Interfering SSIDs
- 1 Clients
- 25% Channel Utilization

Radio 2 - 5 GHz

- 0 Interfering SSIDs
- 30 Clients
- 5% Channel Utilization

- Radios
- Clients
- Interfering SSIDs
- Logs
- CLI Access
- Spectrum Analysis
- VLAN Probe

	Radio 1 - 2.4 GHz	Radio 2 - 5 GHz
Mode	AP	AP
SSID	<ul style="list-style-type: none"> 📶 fortinet (Main-WiFi) 📶 fortinet2 (Contractors) 📶 fortinet3 (Guest) 	<ul style="list-style-type: none"> 📶 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
Q

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

Exhibit C

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

```
WTP: Office 0-192.168.5.98:5246
```

channel	rss-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?

- A. Increase the transmission power of the AP radios
- B. Reduce the number of wireless networks being broadcast by the AP
- C. Install another AP in the reception area to improve available bandwidth
- D. Enable frequency handoff on the AP to band steer clients

Answer: ([SHOW ANSWER](#))

NEW QUESTION: 3

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

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

Answer: ([SHOW ANSWER](#))

NEW QUESTION: 4

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

Answer: ([SHOW ANSWER](#))

FortiGate, FortiCloud wireless access points (send visitor data in the form of station reports directly to FortiPresence)

NEW QUESTION: 5

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

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

Answer: ([SHOW ANSWER](#))

NEW QUESTION: 6

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

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

Answer: ([SHOW ANSWER](#))

NEW QUESTION: 7

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.

Answer: ([SHOW ANSWER](#))

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.

NEW QUESTION: 8

A tunnel mode wireless network is configured on a FortiGate wireless controller. Which task must be completed before the wireless network can be used?

- A. The wireless network interface must be assigned a Layer 3 address
- B. Security Fabric and HTTPS must be enabled on the wireless network interface
- C. The wireless network to Internet firewall policy must be configured
- D. The new network must be manually assigned to a FortiAP profile.

Answer: ([SHOW ANSWER](#))

A FortiGate unit is an industry leading enterprise firewall. In addition to consolidating all the functions of a network firewall, IPS, anti-malware, VPN, WAN optimization, Web filtering, and application control in a single platform, FortiGate also has an integrated Wi-Fi controller.

NEW QUESTION: 9

As a network administrator, you are responsible for managing an enterprise secure wireless LAN. The controller is based in the United States, and you have been asked to deploy a number of managed APs in a remote office in Germany.

What is the correct way to ensure that the RF channels and transmission power limits are appropriately configured for the remote APs?

- A. Create a new FortiAP profile and change the county code settings on the profile
- B. Clone a suitable FortiAP profile and change the county code settings on the profile
- C. Configure the controller for the correct country code for Germany
- D. Configure the APs individually by overriding the settings in Managed FortiAPs

Answer: ([SHOW ANSWER](#))

NEW QUESTION: 10

Refer to the exhibit.

Radio 2

Mode: Disabled **Access Point** Dedicated Monitor

WIDS profile: default-wids-apscan-enabled ▼

Radio resource provision:

Band: 5 GHz 802.11ac/n/a ▼

Channel width: **20MHz** 40MHz 80MHz

Short guard interval:

Channels:

<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		

TX power control: **Auto** Manual

TX power: 10 — 17 dBm

SSIDs ⓘ: **((-)) Tunnel** Bridge Manual

Monitor channel utilization:

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

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

Answer: ([SHOW ANSWER](#))

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