



Fortinet

Exam Questions NSE6_FWF-6.4

Fortinet NSE 6 - Secure Wireless LAN 6.4

NEW QUESTION 1

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
  end
next
end
```

Exhibit B

Diagnostics and Tools - Office

Office

Serial Number

FPXXXXXXXXXXXX

Base MAC Address

XX:XX:XX:XX:XX:XX

Status

Online

Country/Region

GB

Uplink Interface

FortiAP management (ap)

IPv4 Address

192.168.5.98

Uptime

12m1s

Version

v6.4 build0437

Actions

General

56%

CPU Usage

70%

Memory Usage

0 days

Connection Uptime

1.0 Gbps

lan1

0 Mbps

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	<div><div>fortinet (Main-WiFi)</div><div>fortinet2 (Contractors)</div><div>fortinet3 (Guest)</div></div>	<div><div>fortinet (Main-WiFi)</div><div>fortinet2 (Contractors)</div><div>fortinet3 (Guest)</div></div>
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

Exhibit C

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

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

Answer: B

NEW QUESTION 2

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.

Answer: AC

NEW QUESTION 3

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: C

Explanation:

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 4

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

Answer: C

NEW QUESTION 5

How are wireless clients assigned to a dynamic VLAN configured for hash mode?

- A. Using the current number of wireless clients connected to the SSID and the number of IPs available in the least busy VLAN
- B. Using the current number of wireless clients connected to the SSID and the number of clients allocated to each of the VLANs
- C. Using the current number of wireless clients connected to the SSID and the number of VLANs available in the pool
- D. Using the current number of wireless clients connected to the SSID and the group the FortiAP is a member of

Answer: C

Explanation:

VLAN from the VLAN pool based on a hash of the current number of SSID clients and the number of entries in the VLAN pool.

NEW QUESTION 6

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

Answer: AC

NEW QUESTION 10

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