

HP

Exam HP0-Y38

Deploying HP Enterprise Wireless Networks

Version: 6.0

[Total Questions: 50]

Question No : 1

Two years ago, you designed and implemented a very large 802.11g WLAN in a convention center. You recently upgraded to an 802.11n network, and the customer is complaining that wireless clients are only achieving maximum data rates of 54 Mbps. Upon investigation, you notice that the administrator configured a wireless service with WPA and TKIP. What should the customer do?

- A. upgrade their software
- B. implement WPA2 with AES
- C. configure the service for 802.11n only clients
- D. implement WPA with AES

Answer: B

Question No : 2

You must design a customer network that will use multiple wireless access controllers. The customer wants the most cost-effective redundancy solution. Which option meets this requirement?

- A. N+1
- B. redundant power
- C. dual management cards
- D. N+N+1
- E. clustered controllers

Answer: A

Question No : 3

A customer installed two HP A-WX5004 controllers and 200 HP A-WA2620E-AGN access points (APs), which are attached to existing 802.3af PoE switches. The APs are configured to use the 40MHz channel option that should provide 300Mbps. The 802.11n clients are not achieving the expected data rate. Upon further investigation, you discover that the APs are defaulting to 2X2 MIMO. To achieve full speed you configure the radio for 3X3 MIMO, but the radio reverts back to 2X2 MIMO. What else could cause this problem?

- A. disabled Gaussian Frequency Shift Keying (GFSK)

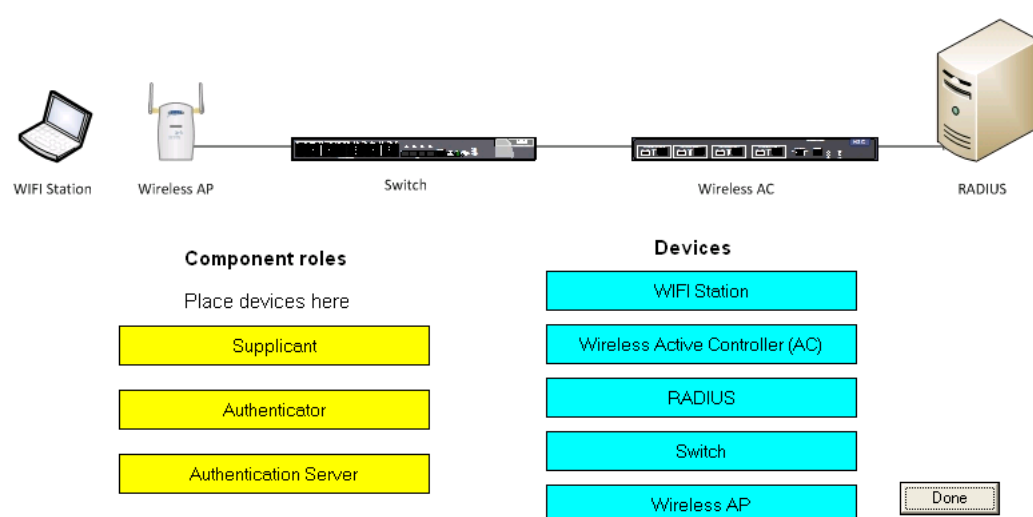
- B. incorrectly set AP spatial streams
- C. low PoE power
- D. faulty antenna connections
- E. setting Pulse Position Modulation (PPM) to 3X3

Answer: C

Question No : 4 DRAG DROP

Click the Task button. You are redesigning an existing WLAN and one issue the customer is addressing is unauthorized wireless devices on the network. You recommend implementing the 802.1x authentication solution to remedy this problem. 802.1X authentication comprises three components: supplicant, authenticator and the authentication server. In enterprise environments, all three components are implemented on different devices. Align the devices in the image with the roles of the components.

Align the devices shown in the image with the component roles.



Component roles
Place devices here

- Supplicant
- Authenticator
- Authentication Server

Devices

- WIFI Station
- Wireless Active Controller (AC)
- RADIUS
- Switch
- Wireless AP

Done

Answer:

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Align the devices shown in the image with the component roles.

Component roles

Place devices here

Wireless AP

Wireless Active Controller (AC)

RADIUS

Devices

WIFI Station

Wireless Active Controller (AC)

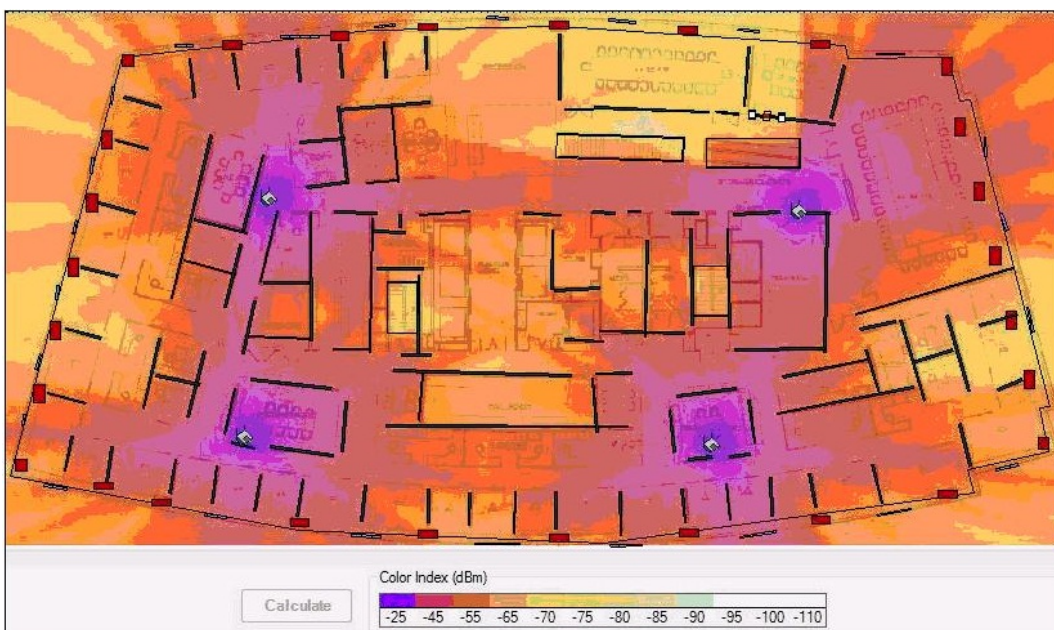
RADIUS

Switch

Wireless AP

Question No : 5

Click the Exhibit button.



Users at this customer site report that wireless connection speeds are slow. You conduct a site survey that yields the results shown in the exhibit. What can you determine from these results?

- A. Signal strength is low in some areas. AP power must be increased.
- B. An obstacle is causing hidden nodes. Another AP should be deployed beyond that

obstacle, and the power decreased on both APs.

C. Signal is being lost in a specific area. The APs need directional antennae to shape the signal.

D. The APs are operating on 802.11b/g channels, which typically experience a lot of interference. You should change to a different channel and frequency band.

Answer: B

Question No : 6

You are deploying an HP Mobility Solution that features access controllers (ACs) and access points (APs), which enforce 802.1X authentication to a Windows Server 2008 running Network Policy and Access Services (NPAS). NPAS assigns users to various VLANs according to their user group and network policy. When you test the deployment, you find that all users can authenticate successfully except those in one Windows domain user group. These users receive messages that windows was unable to connect authenticate successfully except those in one Windows domain user group. These users receive messages that windows was unable to connect and their authentication has failed. What is a possible cause of this problem?

A. The ACs have the wrong RADIUS shared secret stored in the server.

B. The Windows client settings are not configured to support VLAN user groups.

C. The NPAS remote access policy for the user group does not permit wireless access.

D. The APs in the users' locations are not configured for 802.1X authentication using NPAS.

E. The ACs do not support the VLAN to which these users are assigned.

Answer: C

Question No : 7

A customer has deployed over 100 A-WA2620E access points (APs) managed by three A-WX5002 access controllers. The customer used 802.1X authentication for employees and now wants to implement portal authentication for guest access. What is the most cost-effective way to fulfill this requirement?

A. setting up two SSIDs, each with different cryptographic parameters

B. setting up PEAP for the employees and MS-CHAP over EAP for the guests

C. setting up two VLANs, one for the employee traffic and one for the guest traffic

D. setting up one SSID for the company with two different cryptographic parameters

E. replacing the APs with multi radio APs and putting the guests on a separate radio

Answer: A

Question No : 8 DRAG DROP

Click the Task button. A customer has implemented authorization, authentication, and encryption for employee access to a new WLAN. The customer wants to add guest access. Identify the options that can be used to provide the strongest WLAN security for guest access and place them next to the corresponding security level.

Identify the options that can be used to provide the strongest WLAN security for guest access and place them next to the corresponding security level.

| Options | WLAN Security Types |
|---------|-----------------------------|
| WEP | (place here) Authentication |
| WPA | (place here) Encryption |
| WPA2 | |
| 802.1x | |
| TKIP | |
| AES | |
| IPSec | |
| Portal | |
| MD5 | |
| DES | |
| 3DES | |
| EAP | |

Done

Answer:

Identify the options that can be used to provide the strongest WLAN security for guest access and place them next to the corresponding security level.

Options

- WEP
- WPA
- WPA2
- 802.1x
- TKIP
- AES
- IPSec
- Portal
- MD5
- DES
- 3DES
- EAP

WLAN Security Types

| | |
|-------|----------------|
| 3DES | Authentication |
| IPSec | Encryption |

Question No : 9 DRAG DROP

Click the Task button. A customer has implemented A-WX5004 access controllers. The customer asks for a new wireless service to be implemented across the organization. This can be done through the CLI interface to the access controllers. Place the steps to configure a new wireless service on an A-WX5004 access controller in the correct sequence.

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Place the steps to configure a new wireless service on an A-WX5004 access controller in the correct sequence.

Place steps here

- 1 (place step 1 here)
- 2 (place step 2 here)
- 3 (place step 3 here)
- 4 (place step 4 here)

Configuration steps

- Configure the service interface
- Bind the ESS to the service template
- Configure the radio setting
- Configure the wireless interface
- Bind the service template to the interface
- Configure a service template
- Bind the radio setting to the service template
- Enable the service template on the radio
- Bind the service template to the radio

Done

Answer:

Place the steps to configure a new wireless service on an A-WX5004 access controller in the correct sequence.

Place steps here

- 1 Configure the wireless interface
- 2 Bind the radio setting to the service template
- 3 Bind the ESS to the service template
- 4 Bind the service template to the radio

Configuration steps

- Configure the service interface
- Bind the ESS to the service template
- Configure the radio setting
- Configure the wireless interface
- Bind the service template to the interface
- Configure a service template
- Bind the radio setting to the service template
- Enable the service template on the radio
- Bind the service template to the radio

Done

Question No : 10

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Click the Exhibit button and view the four exhibits.

