Vendor: HP

Exam Code: HP0-Y44

Exam Name: Implementing and Troubleshooting HP Wireless Networks

Version: Demo

QUESTION NO: 1 HOTSPOT

An HP MSM AP supports these features:

- Band steering
- Multiple spatial streams
- Multiple in Multiple out (MIMO
- Explicit beam forming

Which feature or features does the client need to support to receive its benefit?

Band steering	▼
Multiple spatial streams	▼
MIMO	▼
Explicit beamforming	▼

Band steering	▼
	Client also must support
	Client does not need to support
Multiple spatial streams	▼
	Client also must support
	Client does not need to support
MIMO	▼
	Client also must support
	Client does not need to support
Explicit beamforming	▼
	Client also must support
	Client does not need to support

Answer:

Band steering		
	Client also must support	
	Client does not need to support	

Multiple spatial streams		
	Client also must support	
	Client does not need to support	

MIMO		
	Client also must support	
	Client does not need to support	

Explicit beamforming		
	Client also must support	
	Client does not need to support	

Explanation:

Band Steering - Client does not need to support

Multiple spatial Streams -Client also must support

MIMO - Client does not need to support

Explicit beamforming - Client also must support

QUESTION NO: 2

A network administrator is configuring a VSC that enforces WPA2 with preshared keys (PSK) on an HP Controller. The VSC must support Voice over IP (VoIP) applications, so the network administrator enables opportunistic key caching to support fast roaming. When the network administrator saves the VSC settings, an error indicates 802.1X is required.

How should the network administrator resolve this error?

A. By purchasing a premium mobility license for the controller, which will allow the controller to support opportunistic key cashing with 802.1X.
B. By enabling 802.1X but leaving in WPA2 key source set to static so that both forms of authentication are supported.

C. By enabling wireless mobility as an authentication method for meeting the fast roaming requirements.
D. By enabling opportunistic key caching: this feature is not required for fast roaming in a VSC such as this.

Answer: B
Explanation:

QUESTION NO: 3

A controlled IIP MSM AP radio is configured lo select its channel automatically. When does the AP run the algorithm lo select a channel?

A. Every time the AP detects noise above -60 dBm from an 80211 source.
B. Whenever the AP receives a signal to change channels from its controller.
C. At the specified interval or time of day
D. Every time the AP detects noise above -60 dBm from any RF source

Answer: C
Explanation:

QUESTION NO: 4

Which statement accurately describes 802 11i Mixed Mode?

A. The AP sends all stations a TKIP group key.
B. The AP sends all stations both a TKIP and an AES group key.
C. The AP sends stations using TKIP a TKIP group key and stations using AES an AES group key
D. The AP sends all stations an AES group key

Answer: D
Explanation:

QUESTION NO: 5

In an 802.11 infrastructure mode cell, how can stations communicate?

A. Every station associated with an AP can transmit directly to any station associated with the

same AP radio

B. Every station associated with an AP can transmit directly to any station associated with any radio on that AP

C. Every station associated with an AP can transmit directly to that AP only

D. Every station associated with an AP can transmit directly to any station associated with the same SS1D on the same AP radio.
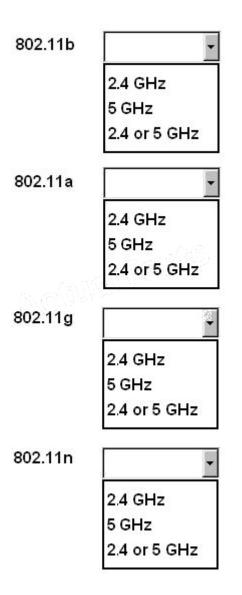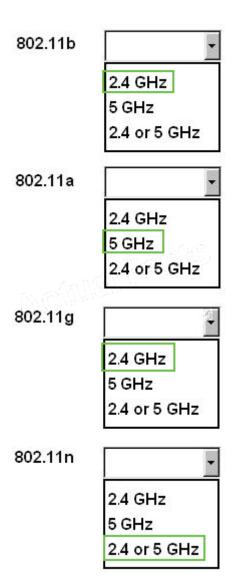
Answer: D

Explanation:

QUESTION NO: 6 HOTSPOT

Select the frequency band for each standard.

802.11b

802.11a

802.11g

802.11n

802.11b

2.4 GHz
5 GHz
2.4 or 5 GHz

802.11a

2.4 GHz
5 GHz
2.4 or 5 GHz

802.11g

2.4 GHz
5 GHz
2.4 or 5 GHz

802.11n

2.4 GHz
5 GHz
2.4 or 5 GHz

Answer:

802.11b

- **2.4 GHz**
- 5 GHz
- 2.4 or 5 GHz

802.11a

- 2.4 GHz
- **5 GHz**
- 2.4 or 5 GHz

802.11g

- **2.4 GHz**
- 5 GHz
- 2.4 or 5 GHz

802.11n

- 2.4 GHz
- 5 GHz
- **2.4 or 5 GHz**

Explanation:
802.11a - 5GHz
802.11b - 2.4 GHz
802.11n - 2.4 or 5 GHz
802.11g - 2.4 GHz

QUESTION NO: 7

Which TAP method requires the supplicant and the authentication server to mutually authenticate with digital certification?

A. EAP-SIM
B. EAR-TLS
C. AP-TTTS
D. EAP-PEAP

Answer: D
Explanation:

QUESTION NO: 8

HP MSM APs support a VSC that specifies Mbps as the highest supported data rate. Several clients to the WALN associated with this VSC. What is the throughput and bandwidth that experience?

A. When multiple clients connects to an AP radio, each client has a potential maximum of 54 Mbps throughput.
B. When multiple clients connect to an AP radio, each of those clients is limited to 54 Mbps.
C. A client can transmit or receive at 54 Mbps, but all clients connected to an AP radio share a throughput less than 54 Mbps.
D. All clients connected to the VSC share a total of 54 Mbps of throughput, no matter how many AP radio support the VSC.

Answer: B
Explanation:

QUESTION NO: 9

A company's CEO has heard about Hole 196 and is connected that WPA/WPA2 will not protect the company's wireless communication from eavesdroppers.

Which statement describes the vulnerability?

A. Hole 196 exploits a weakness in the WPA encryption algorithm but does not compromise WPA2.
B. Hole 196 allows an authorized user to spoof MAC addresses and detect the Group Transient

Group Transient key (GTK).
C. Hole 196 exploits a weakness in both the WPA/WPA2 encryption algorithm, but you can download a patch from your station or AP vendor.
D. Hole 196 allows malicious authorized users to implement attacks such as ARP poisoning.

Answer: A
Explanation:

QUESTION NO: 10

How do HP MSM products, which support the optimized WLAN architecture, forward client traffic onto the wired network?

A. The APs can forward traffic for the some VSCs directly onto the wired network, but forward traffic tunneled or access-controlled VSCs to the controller.
B. The controller always forwards traffic onto the wired network, thereby simplifying management and improving security.
C. While an individual AP must either forward all traffic locally or forward all traffic to the controller, different APs can exhibit different behaviors based on the needs of the company.
D. The APs always forward traffic directly onto the wired network, thereby optimizing the traffic flow.

Answer: C
Explanation:

QUESTION NO: 11

How does 802.1h (DFS) help 802.11 devices avoid interference?

A. The standard ensures that 802.11 devices do mil interfere with other, non-802 11, devices that use the 2.4 GHz range.
B. The standard enables APs to switch channels when they encounter any interference in the 5.0 GHz range.
C. The standard ensures that 802.11n devices do not interface with radar in the 5 GHz frequency range.
D. The standard enables 802.11g and 802.11n devices to switch channels when interference causes the SNR to drop below the minimum level.

Answer: B
Explanation:

QUESTION NO: 12

What is the purpose of the uncontrolled port in the 802.1X authentication process?

A. The authenticator uses this port to communicate with the authentication server
B. The authenticator and the supplicant use this port to exchange EAP packets
C. The authentication server blocks this port if authentication is unsuccessful
D. The supplicant uses this port to send and receive data after the authentication process is successful

Answer: B
Explanation:

QUESTION NO: 13

How does opportunistic key caching speed up the roaming process?

A. When SNR of a station begins to drop, it pre-authenticates with neighboring APs, which cache the pair wise master key of the station for a user-defined amount.
B. When a station authenticates, the AP sends encryption keys to the controller, which distributes them to all APs in the mobility domain.
C. When a station decides to roam, it notifies its AP, which then distributes the pair wise master key of the stations to APs in its mobility domain.
D. After a station authenticates with an AP, it pre-authenticates with neighboring APs, which cache the pair wise master key in case the station later roams.

Answer: B
Explanation:

QUESTION NO: 14

A comp.mv needs high availability for a wireless solution that includes 10 HP MSM APs.

The company wants to deploy two HP MSM Controllers in a team to the high availability requirement. Which two controllers and accompanying licenses best meet the need?

A. Two MSM 710 controllers with mobility licensees for both controllers.
B. Two MSM 710 controllers with premium licenses for both controllers.

C. Two MSM 720 controllers, one controller with a premium mobility license and one controller with the base license

D. Two MSM 720 controllers with premium mobility licenses for both controllers.

Answer: D

Explanation:

QUESTION NO: 15

A company wants to increase its security by adding its security by adding a wireless intrusion detection system/intrusion prevention system (IDS/IPS), which could detect rogue APs and Wi-Fi Protected Access (WPA) attacks. Which product would provide this extra layer of security?

A. HP Threat management Services z1 Module
B. HP RF Manager
C. HP TippingPoint IPS Platform
D. HP Intelligent management Center (IMC) with Endpoint Admission Defense (EAD)

Answer: B

Explanation:

QUESTION NO: 16

Refer to the exhibit.

The exhibit shows the settings for the X_Employees VSC. For this VSC, which devices will negotiate the EAP method?

A. MSM AP and external RADIUS server.
B. Station and the external RADIUS servers.
C. Station and interval RADIUS server of the MSM Controller.
D. Station and the MSM AP.

Answer: A
Explanation:

QUESTION NO: 17

Which 802.11n technology involves a radio transmitting the same data on more than one antenna?

A. Band steering
B. Diversity transmission
C. Beam forming
D. Multiple spatial streaming

Answer: C
Explanation:

QUESTION NO: 18

The 802.11n radio in one AP supports three spatial streams. The 802.11n radio in another AP supports two spatial streams. Which benefit does the first AP radio provide over the second AP radio?

A. Each spatial streams operates on a slightly different frequency, increasing reliability and resilience to interference.
B. Each spatial streams carries the same stream of data, increasing reliability.
C. Each spatial streams can be directed toward a different client, allowing the AP to support higher bandwidth for more clients.
D. Each spatial stream carries a separate stream of data, increasing bandwidth.

Answer: B
Explanation:

QUESTION NO: 19

A customer is considering an HP MSM720 Access Controller to manage and provide other services for wireless solution. The deployment includes 40 HP MSM APs. The customer would like the option to support additional APs in the future. Which product offering should the customer consider instead?

A. An MSM760 controller, which provides the ability to scale to more than 40 APs.
B. A controller such as the MSM710, which can support additional APs with additional licenses.
C. Two MSM710s with premium mobility licenses, which provide redundancy and the ability to scale beyond 40 APs.
D. Two MSM720 controllers with premium mobility licenses, which provide redundancy as well as the ability to scale beyond 40 APs.

Answer: A
Explanation:

QUESTION NO: 20

What is a proper use for an ingress VLAN in an HP MSM VSC?

A. To specify the VLAN on which APs forward traffic from clients connected to the VSC
B. To enable controlled MSM APs to tunnel wireless guest traffic successfully
C. To map traffic from wired guest clients to an access-controlled VSC
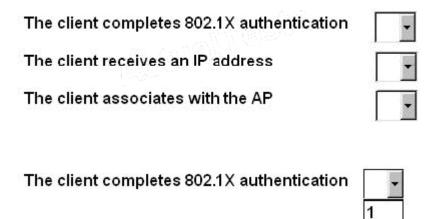**D.** To specify the VLAN on which the controller forwards traffic from clients connected to the VSC

Answer: A
Explanation:

QUESTION NO: 21 HOTSPOT

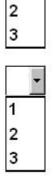An HP MSM solution includes a VSC with these settings:

- Use the Controller for Authentication = Enabled
- Use the Controller for Access control = Disabled
- Security = WPA and WPA2
- 802.11X authentication = Enabled and Remote

A user attempts to connect to the VLAN. Choose the order in which events occur when the wireless client joins the WLAN.

The client completes 802.1X authentication [▾]

The client receives an IP address [▾]

The client associates with the AP [▾]

The client completes 802.1X authentication [▾]
1
2
3

The client receives an IP address [▾]
1
2
3

The client associates with the AP [▾]
1
2
3

Answer:

The client completes 802.1X authentication

```
▼
1
2
3
```

The client receives an IP address

```
▼
1
2
3
```

The client associates with the AP

```
▼
1
2
3
```

Explanation:
The client completes 802.1x Authentication – 1
The Client receives an IP address – 2
The client associates with the AP - 3

QUESTION NO: 22

What disfurnishes an HP MSM466 AP from an HP MSM460 AP? (Select two)

A. The MSM466 radios support three spatial streams, while the MSM460 radios support two spatial streams.
B. Both radios on an MSM466 support the 2.4 and the 5 GHz frequency bands; one MSM460 radio supports 2.4 GHz, and the other supports 5 GHz.
C. All radios on an MSM466 support 802.11n; only one radio on an MSM460 supports 802.11n, while the others support 802.11b/g.
D. An MSM466 AP requires external antennas, while an MSM460 AP uses its internal antennas.
E. The MSM466 provides three radios, which support 802.11n; the MSM 460 provides two radios, which support 802.11n also.

Answer: B,D

Explanation:

QUESTION NO: 23

What distinguishes an HP MSM460 from an HP MSM 430 AP?

A. All radios on an MSM460 support 802.11n, while only one radio on an MSM430 supports this standard.
B. The MSM460 supports 802.11n with MIMO an all radios, while the MSM430 support two spatial streams.
C. The MSM460 radios support three spatial streams, while the MSM430 radios support two spatial streams.
D. Both radios on an MSM460 support both the 2.4 and 5 GHz frequency bands; one radio on an MSM430 supports 5 GHz, and the other supports 2.4 GHz.

Answer: C

Explanation:

QUESTION NO: 24

A network administrator wants to collect and monitor statistics from across an enterprise wireless network. The network includes three HP MSM765 Controllers and 440 HP MSM APs. The network administrator also wants to monitor other network infrastructure devices, including HP and non-HP switches. Which solution provide this capability?

A. HP RF manager and RF Planner
B. HP Intelligent Management Center (IMC) and Wireless Services manager (WSM)
C. HP RF Manager and Network Immunity Manager (NIM)
D. HP PCM+ and RF Planner

Answer: B

Explanation:

QUESTION NO: 25 HOTSPOT

A company has an HP MSM solution that provides guest access, including Web-Auth to the local login pages of the controllers. The VSC that provides gust access is not the default VSC. The

network administrator have created an isolated guest VLAN, VLAN 100. The HP MSM Controller provide the same guest services to wired clients connected to this VLAN.

What must network administrator configure for this network profile?

VLAN ID 100 set in the profile ⯆

IP interface associated with profile ⯆

profile mapped to a controller port ⯆

VLAN ID 100 set in the profile ⯆
| Configure |
| Do not configure |

IP interface associated with profile ⯆
| Configure |
| Do not configure |

profile mapped to a controller port ⯆
| Configure |
| Do not configure |

Answer:

VLAN ID 100 set in the profile

Configure
Do not configure

IP interface associated with profile

Configure
Do not configure

profile mapped to a controller port

Configure
Do not configure

Explanation:
Vlan ID 100 set in the profile - configure
IP interface associated with the profile – configure
Profile mapped to a controller port –configure

QUESTION NO: 26

A network administrator has defined a new network profile on an HP MSM765 z1 Mobility Controller. The network administrator now wants to associate the profile with an IP interface. However, when the network administrator moves to the Controller >> Network > IP interface window, the button for adding a new interface in grayed out to and cannot be checked.

What should the administrator do?

A. Delete one of the existing IP interfaces.
B. Assign the profile as an egress VLAN in a VSC
C. Map the profile to a controller port.
D. Remove the VLAN from the network profile.

Answer: C
Explanation:

QUESTION NO: 27

Refer to the exhibit.

Settings in the guest VSC profile.

IP interface for Guest (40)

A company has an HP MSM solution that consists of an HP MSM765 zl Mobility Controller and controlled HP MSM APs. The company requires wireless access for guests with this functionality:

- After a guest logs in through a login page: the controller sends the authentication guest traffic to a router on VLAN 40, subnet 10.1.40 2/24.
- The HP MSM765 zl provides IP addresses to the guest.

The network administrator creates an access-controlled (non-default) VSC that uses HTML-based

user logins (Web Auth). The exhibit shows a portion of the setup for this solution. The network administrator must complete several more steps to finish the solution.

What is one of these steps?

A. Enable the DHCP server on the VSC and specify the 10.1.40 0/24 subnet. Specify 10.1.40.4 as the default gateway and 10.1.40.2 as the DNS server.
B. Enable the DHCP server on the VSC and specify an unsued subnet. Such as 10.1.41 0/24. Set the default gateway and DNS server 10.1.41 1/24
C. Enable the DHCP server on VSC and reference the Guest (40) IP interface in the global configuration.
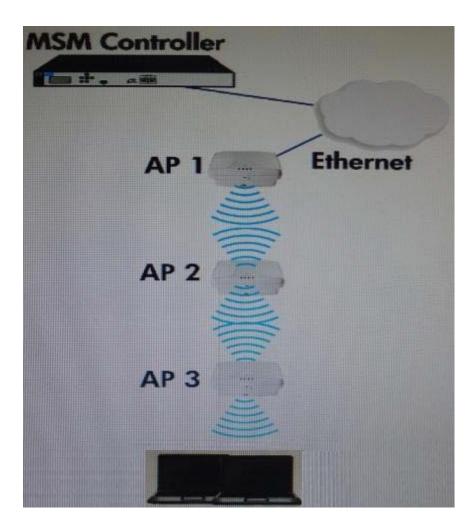**D.** Enable the DHCP server on the VSC and specify the 10.1.40 0/24 subnet. Specify 10.1.40.2 as the default gateway and DNS server.

Answer: D
Explanation:

QUESTION NO: 28

Refer to the exhibit.

Wireless local mesh

Which, if any, of the APs shown in the exhibit require provisioning for the local mesh settings?

A. None of the APs
B. AP 1, 2, and 3
C. AP 3 only
D. AP 2 and 3 Only

Answer: D
Explanation:

QUESTION NO: 29

A company has an HP HSM solution that consists of an HP MSM760 Access Controller and controlled HP MSM317 Access Devices. The solution supports a VSG that enforces HTML based

user login (Web-Auth) using the controller's internal login pages. The company wants to customize these pages. What are the correct guidelines for customization?

A. The Web designer can change the text and images and add new script and pages. However, the existing ASP code should generally be left intact.
B. The web designer can change the text and change the logo image. If the company requires more customization than that, the company should host the pages on external Web server.
C. The web designer can change the text and images and add new pages. However, the designer must not change the existing ASP code or add any new scripts.
D. The Web designer can change the text and images. However, the designer must not change the existing ASP code or add anynew

Answer: B
Explanation:

QUESTION NO: 30 HOTSPOT

When configuring a wireless mesh, you can assign each AP one of three roles. Match the description to each role.

Master

Alternate Master

Slave

Master

Waits for requests from downstream APs.

Initiates wireless links with upstream Aps and accepts wireless links from other APs

Initiates wireless links with upstream Aps but does not accept wireless link from downstream APs

Alternate Master

Waits for requests from downstream APs.

Initiates wireless links with upstream Aps and accepts wireless links from other APs

Initiates wireless links with upstream Aps but does not accept wireless link from downstream APs

Slave

Waits for requests from downstream APs.

Initiates wireless links with upstream Aps and accepts wireless links from other APs

Initiates wireless links with upstream Aps but does not accept wireless link from downstream APs

Answer:

Master

[dropdown ▼]

Waits for requests from downstream APs.

Initiates wireless links with upstream Aps and accepts wireless links from other APs

Initiates wireless links with upstream Aps but does not accept wireless link from downstream APs

Alternate Master

[dropdown ▼]

Waits for requests from downstream APs.

Initiates wireless links with upstream Aps and accepts wireless links from other APs

Initiates wireless links with upstream Aps but does not accept wireless link from downstream APs

Slave

[dropdown ▼]

Waits for requests from downstream APs.

Initiates wireless links with upstream Aps and accepts wireless links from other APs

Initiates wireless links with upstream Aps but does not accept wireless link from downstream APs

Explanation:

Master – Initiates wireless links with upstream Aps but does not accept wireless link from downstream APs

Slave - Initiates wireless links with upstream Aps and accept wireless link from other APs.

Alternate Master – Waits for requests from downstream APs.

QUESTION NO: 31

A company has HP MSM solution that consists of an HP MSM760 Controller and controlled HP APs. The solution supports a VSC that enforces HTML based user login (Web Auth) using the controller's internal login pages. The company wants users to see the login page, read a legal agreement, and then click a button to receive free access. For this purpose, the company Web designer has customized the appearance of the login page but not altered underlying code.

How should the network administrator configure authentication in the VSC?

A. By enabling HTML based user logins and specifying the local option.
B. By disabling HTML based user logins
C. By enabling HTML based user logins and specifying the remote option with a RADIUS server as the server.
D. By enabling HTML based user logins and specifying the remote option with GMS as the server.

Answer: C
Explanation:

QUESTION NO: 32

A customer has an HP MSM solution that consists that consists of an HP MSM Controller and controlled HP MSM APs. The solution supports a VSC for guests that enforces HTML based user login (Web-Auth) using the controller's internal login pages. The company wants to see the login page, read a legal agreement and then click a button to receive free access. For this purpose, the company Web designer has customized the appearance of the login page but altered underlying code.

When a user clicks the Free Access button, the controller creates a user account for the guest. What are two features of that account? (Select two)

A. The account uses attributes that are defined for the default AC profile.
B. The account is copied to Guest Management Software (CMS) if the MSM Controller is synchronized with that application.
C. The account has an expiry time that is performed from the session timeout value in the default AC profile.
D. The username and password are derived from entries that the user types into the login page.
E. The account has an expiry time that is derived from entries that the user types into the login page.
F. The account has an expiry time that is derived from the free access validity duration.

Answer: A,F
Explanation:

QUESTION NO: 33

A company is using the internal login pages of an HP MSM Controller to provide Web-Auth service to guests but wants to customize these pages. The designer wants to create wants to create logout links in the custom welcome pages an example of valid code for this purpose.

The network administrator can refer the Web designer to one default controller that includes a logout button. Which file is this?

A. session.asp
B. welcome.asp
C. goodbye.asp
D. index.asp

Answer: C
Explanation:

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★ **365 Days** Free Update

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★ **24x7** Customer Support

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★ More than **69,000** Satisfied Customers Worldwide

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Free update is available within One Year after your purchase. After One Year, you will get 50% discounts for updating. And we are proud to boast a 24/7 efficient Customer Support system via Email.

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To ensure that you are spending on quality products, we provide 100% money back guarantee for 30 days from the date of purchase.

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