

# HP

## Exam HP0-Y44





### Implementing and Troubleshooting HP Wireless Networks

Version: 6.0

[ Total Questions: 66 ]

**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

**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 caching 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**

**Question No : 3**

A controlled IIP MSM AP radio is configured to select its channel automatically. When does the AP run the algorithm to 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**

**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**

**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 SSID on the same AP radio.

Answer: D

**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**Question No : 7**

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

- A. EAP-SIM
- B. EAP-TLS

- C. AP-TTTS
- D. EAP-PEAP

**Answer: D**

**Question No : 8**

HP MSM APs support a VSC that specifies Mbps as the highest supported data rate. Several clients to the WLAN 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**

**Question No : 9**

A company's CEO has heard about Hole 196 and is concerned 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**



**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**

**Question No : 11**

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

- A.** The standard ensures that 802.11 devices do not 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**

**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**

**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**

**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**

**Question No : 15**