



640-722^{Q&As}

Implementing Cisco Unified Wireless Networking Essentials v2.0

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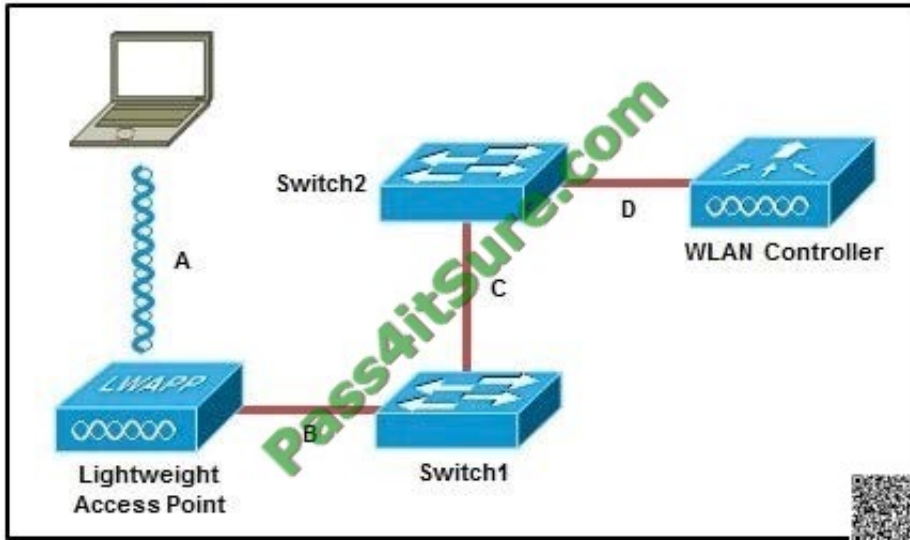
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QUESTION 1

Refer to the exhibit.



At which point in the network topology must the trunk be configured to support multiple SSIDs for voice and data separation?

- A. A
- B. B
- C. C
- D. D

Correct Answer: D

Controllers typically map WLANs to VLANs. When configuring a switch port to a controller, you would set the port to support 802.1Q (switchport trunk encapsulation dot1q), then set the port to trunk (switchport mode trunk) and only allow the VLANs needed by the controller (for example, switchport trunk allowed VLANs 10,20,30 if your controller needs only VLANs 10, 20, and 30).

Reference: CCNA Wireless (640-722 IUWNE) Quick Reference Guide page 111

QUESTION 2

An AP has been configured for personal wireless access to the Internet using appropriate security and cloaking. Which two items should be configured on the wireless client? (Choose two.)

- A. RF channel
- B. BSS
- C. PSK



- D. 802.1X/EAP
- E. broadcast SSID
- F. manual SSID
- G. IBSS

Correct Answer: CF

Neighboring APs offering the same connection type and parameters use the same name, or service set identifier (SSID, which is a simple ASCII string providing a name to the connection). Neighboring APs offering the same connection use the same SSID, but each AP identifies itself by associating its radio MAC address to the SSID string. This associated MAC address is called the basic service set identifier (BSSID), and it enables stations to know which AP offers which SSID

QUESTION 3

Which two of the following authentication methods used for WiFi security require the use of certificates? (Choose two.)

- A. PEAP
- B. EAP-FAST
- C. WPA2
- D. WPA1
- E. EAP-TLS
- F. EAP-MD5

Correct Answer: AE

When you use EAP with a strong EAP type, such as TLS with smart cards or TLS with certificates, both the client and the server use certificates to verify their identities to each other. Certificates must meet specific requirements both on the server and on the client for successful authentication.

Reference: <https://support.microsoft.com/en-us/kb/814394>

QUESTION 4

Which Cisco AnyConnect module provides wireless connectivity?

- A. telemetry
- B. web security
- C. VPN
- D. NAM
- E. DART



F. posture

G. CSSC

Correct Answer: D

The main components used in IUWNE are the Cisco AnyConnect Mobility Client itself, associated with the Network Access Module (NAM) used to manage existing profiles and provide the wireless connectivity. Reference: CCNA Wireless (640-722 IUWNE) Quick Reference Guide page 73

QUESTION 5

Which two items are needed to discover the IP address of a new Cisco Aironet 1260 autonomous AP that just finished booting? (Choose two.)

A. username = "cisco" and password = "cisco"

B. username = "Admin" and password = "Cisco"

C. username=Cisco and password=Cisco

D. show int vlan1

E. show int bvi1

F. show int gigabitethernet0

G. show int radio0-802.11n

H. show int radio1-802.11n

Correct Answer: CE

Enter your username in the User Name field. The default username is Cisco.

Enter the wireless device password in the Password field and press Enter. The default password is Cisco. The Summary Status page appears. The access point is configured with the factory default values including the IP address (set to

receive an IP address using DHCP). To obtain the new IP address for an access point/bridge, you can use the show interface bvi1 CLI command.

Reference: http://www.cisco.com/c/en/us/td/docs/wireless/access_point/12-4-25d-JA/Configuration/guide/cg_12_4_25d_JA/scg12-4-25d-JA-chap4-first.html

QUESTION 6

The wireless network is using controller-based APs and version 7.0 MR1. The APs appear to be connected properly to the controllers. A wireless user near one of the APs reports that they are unable to connect to the network with their preshared key.

Which option shows the GUI path where you can check the connection status of that client?



- A. WLANs > WLAN_ID > Advanced
- B. Security > Clients
- C. Security > Advanced > Clients
- D. Monitor > Clients
- E. Wireless > 802.11b/g/n > clients

Correct Answer: D

Choose Monitor > Clients to open the Clients page.

This page lists all of the clients that are associated to the controller's access points. It provides the following information for each client:

The MAC address of the client

The name of the access point to which the client is associated

The name of the WLAN used by the client

The type of client (802.11a, 802.11b, 802.11g, or 802.11n)

The status of the client connection

The authorization status of the client

The port number of the access point to which the client is associated

An indication of whether the client is a WGB

Reference: http://www.cisco.com/c/en/us/td/docs/wireless/controller/7-4/configuration/guides/consolidated/b_cg74_CONSOLIDATED/b_cg74_CONSOLIDATED_chapter_010000000.html

QUESTION 7

A controller is connected to a Cisco Catalyst switch. The switch port configuration looks like this:

```
interface GigabitEthernet 1/0/10 switchport switchport trunk encapsulation dot1q switchport trunk allowed vlan 1,20,30,50 switchport trunk native vlan 20 switchport mode trunk
```

Which controller CLI command assigns its management interface to the native VLAN interface of the Cisco Catalyst switch?

- A. config interface vlan management 0
- B. config interface vlan management 1
- C. config interface vlan management 20
- D. config interface vlan management 30
- E. config interface vlan management 50



Correct Answer: A

Since the controller management interface is connected to the native vlan interface of the Cisco Catalyst switch, the correct command is: config interface vlan management vlan-id 0

Reference: <http://www.cisco.com/en/US/docs/wireless/controller/5.0/configuration/guide/c5mint.html#wp1182892>

QUESTION 8

What does RF determine?

- A. cycle pattern size
- B. how often a wave occurs
- C. signal size
- D. quantity of energy injected in a signal

Correct Answer: B

RF communication works by creating electromagnetic waves at a source and being able to pick up those electromagnetic waves at a particular destination. These electromagnetic waves travel through the air at near the speed of light. The wavelength of an electromagnetic signal is inversely proportional to the frequency; the higher the frequency, the shorter the wavelength.

Reference: <http://www.digi.com/technology/rf-articles/rf-basic>

QUESTION 9

A customer is deploying the Cisco 5508 Wireless Controller in a unified wireless solution. Which command must be configured on the neighboring switch port if the management interface on the WLC is configured to send untagged traffic to ensure that management traffic utilizes VLAN 10?

- A. switchport trunk native vlan 10
- B. spanning-tree portfast
- C. switchport trunk allowed vlan 10
- D. channel-group 10

Correct Answer: A

QUESTION 10

Which method is used to shield the client from class 3 management attacks?

- A. client MFP
- B. WEP



C. WPA

D. client protection suite

E. 802.1X

Correct Answer: A

With MFP, all management frames are cryptographically hashed to create a Message Integrity Check (MIC). The MIC is added to the end of the frame (before the Frame Check Sequence (FCS)).

In a centralized wireless architecture, infrastructure MFP is enabled/disabled on the WLC (global config). Protection can be selectively disabled per WLAN, and validation can be selectively disabled per AP.

Protection can be disabled on the WLANs that are used by devices that cannot cope with extra IEs.

Validation must be disabled on APs that are overloaded or overpowered.

When MFP is enabled on one or more WLANs configured in the WLC, the WLC sends a unique key to each radio on each registered AP. Management frames are sent by the AP over the MFP-enabled WLANs. These APs are labeled with a frame protection MIC IE. Any attempt to alter the frame invalidates the message, which causes the receiving AP that is configured to detect MFP frames to report the discrepancy to the WLAN controller.

Reference: <http://www.cisco.com/c/en/us/support/docs/wireless-mobility/wlan-security/82196-mfp.html>

QUESTION 11

When an AP, in its default configuration mode, connects to a Cisco WLC, which methods are available for remote management access to an AP?

A. SSL and SSH are available only after configuration by a Cisco WLC version 7.0.

B. SSH only

C. HTTPS, and SSH

D. SSH and Telnet

E. SSH and Telnet are available only after configuration by a Cisco WLC version 7.0.

Correct Answer: D

In Wireless LAN Controller release 5.0 and later, the controller supports the use of Telnet or Secure Shell (SSH) protocols to troubleshoot lightweight access points. You can use these protocols in order to make debugging easier, especially when the access point is unable to connect to the controller. You can configure Telnet and SSH support only through the controller CLI.

Reference: <http://www.cisco.com/c/en/us/support/docs/wireless/aironet-1200-series/70278-lap-faq.html>

QUESTION 12

Which two statements about the requirements to configure inter-controller roaming are true? (Choose two.)



- A. The same mobility domain names are configured across controllers.
- B. The same RF group names are configured across controllers.
- C. The same controller hardware version is configured across controllers.
- D. The same AP manager interface is configured across controllers.
- E. The same virtual interface is configured across controllers.
- F. The same controller software version is configured across controllers.

Correct Answer: AE

All controllers must be configured with the same mobility group name.

All controllers must be configured with the same virtual interface IP address.

If necessary, you can change the virtual interface IP address by editing the virtual interface name on the Controller > Interfaces page. If all the controllers within a mobility group are not using the same virtual interface, inter-controller roaming

may appear to work, but the handoff does not complete, and the client loses connectivity for a period of time.

Reference: <http://www.cisco.com/c/en/us/td/docs/wireless/controller/7-0/configuration/guide/c70/c70mobil.html>

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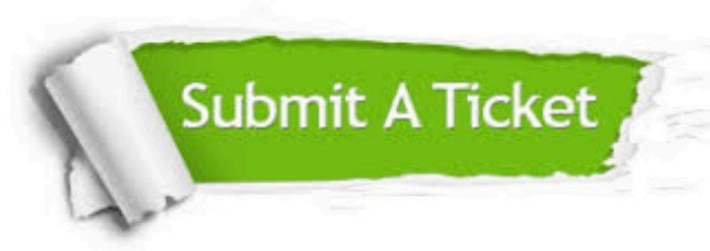
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