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Cisco Designing Cisco Enterprise Wireless Networks Sample Questions (Q186-Q191):

NEW QUESTION # 186

A wireless engineer must design mobility between two buildings at a campus site. The engineer has one controller at each site. The engineer is investigating inter-controller CAPWAP data and control traffic. Which two ports must be open? (Choose two.)

- A. 0
- B. 1
- C. 2
- D. 3
- E. 4

Answer: A,D

Explanation:

For mobility between two buildings with one controller at each site, CAPWAP data and control traffic must be able to pass between controllers. CAPWAP control messages use UDP port 5246 while CAPWAP data messages use UDP port 5247; therefore, these ports must be open to allow inter-controller communication for seamless mobility. Reference := (CCNP Enterprise Wireless Design ENWLSD 300-425 and Implementation ENWLSI 300-430 Official Cert Guide Premium Edition and Practice)

NEW QUESTION # 187

Refer to the exhibit.

Name Prefix

Add APs

AP Type

Enable 11n Support

802.11a/n/ac Antenna

802.11b/g/n Antenna

Protocol

Throughput 802.11a/n/ac

802.11b/g/n

Services: Advanced Options

Data/Coverage

Safety Margin

Voice

Safety Margin

Location

Location with Monitor Mode APs

Demand

Override Coverage Per AP

Per AP Area0 (sq feet)

Total Coverage Area 179312 (sq feet)

Recommended AP Count	74
Data/Coverage	48
Voice	48
Location	59
Location with Monitor	
Mode APs	
Demand	

Floor Type: Cubes and Walled Offices

Add APs Automatically:

Realize and move the rectangle using the mouse over the desired coverage area, then specify placement criteria. Click "Calculate" to determine the number of APs recommended by NCS. If you are satisfied with the result, press "Apply". APs will be created and automatically positioned on the map.



Which two statements about Cisco Prime Infrastructure are true? (Choose two.)

- A. Planning mode requires a special license in Cisco Prime Infrastructure.
- B. It shows the map editor feature in Cisco Prime Infrastructure.
- C. It presents the recommended number of APs for the selected coverage area based on the selections made.
- D. It shows the planning mode feature in Cisco Prime Infrastructure.
- E. Controllers must be synchronized with Cisco Prime Infrastructure for planning mode to work.

Answer: C,D

Explanation:

Use Planning Mode to Calculate Access Point Coverage Requirements

Prime Infrastructure planning mode lets you calculate the number of access points (APs) required to cover an area by placing fictitious APs on a map and viewing the coverage area. Based on the throughput specified for each protocol (802.11a/n or 802.11b/g/n), planning mode calculates the total number of APs required to provide optimum coverage in your network. You can calculate the recommended number and location of APs based on the following criteria:

NEW QUESTION # 188

A network administrator at a large university with multiple campuses uses Cisco 9800 WLCs to manage their wireless network. Recently, the university deployed a new mobility group to improve seamless roaming for users across different campuses. To validate that everything is functioning correctly, which action should the administrator take to identify the reason why the data path is active but the control path is down?

- A. Inspect show wireless management trustpoint and show crypto pki trustpoints commands to verify the certificate information.

- B. Inspect the mobility tunnels by running a capture on the virtual interface, verifying that data and control paths are established and active.
- C. Check the mobility status and statistics on the WLC CLI using the show wireless mobility peer ip command and verify that the state is UP for all mobility peers.
- D. Use the show wireless mobility ap-list command on the WLC to ensure the proper addition of access points in the mobility tunnel.

Answer: A

Explanation:

In Cisco mobility groups, the control path relies on secure certificate-based communication, while the data path can still come up independently. If the data path is active but the control path is down, the most common cause is a certificate or trustpoint issue. Verifying the trustpoints and certificates with show wireless management trustpoint and show crypto pki trustpoints allows the administrator to identify mismatches or invalid certificates preventing the control path from establishing.

NEW QUESTION # 189

An engineer must configure the virtual IP address on multiple controllers in a mobility group. Which rule must the engineer follow to ensure proper roaming?

- A. Ensure that the DNS Host Name field is defined.
- **B. Use the same IP address for each WLC.**
- C. Use a unique IP address for each WLC.
- D. Ensure that the DNS entry is tied to the virtual IP address of the WLC.

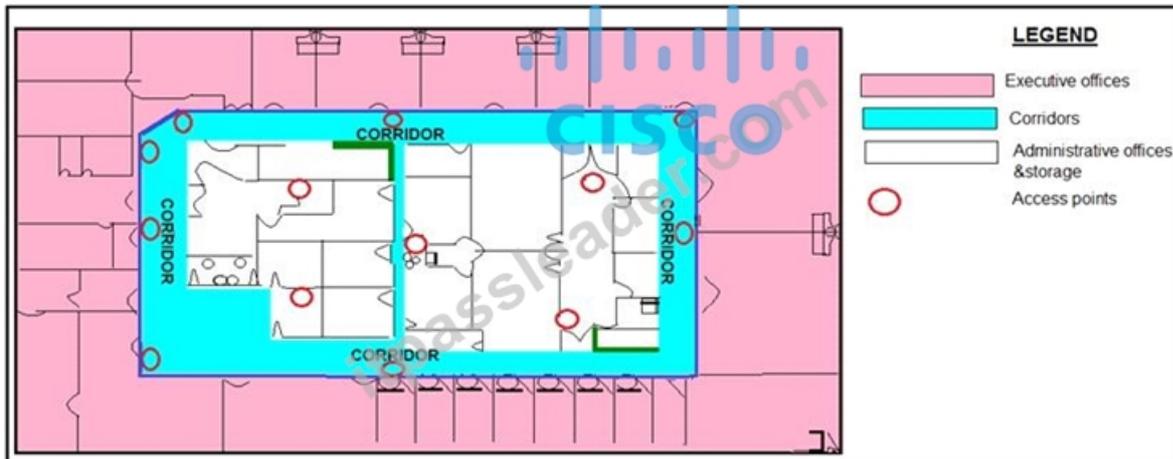
Answer: B

Explanation:

All controllers within a mobility group must be configured with the same virtual interface IP address.

NEW QUESTION # 190

Refer to the exhibit.



What is the main reason why the Wi-Fi design engineer took a different approach than installing the APs in the offices, even though that installation provides better coverage?

- A. antenna gain
- B. power supply considerations
- **C. transmit power considerations**
- D. aesthetics

Answer: C

NEW QUESTION # 191

