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Designing Cisco Enterprise Wireless Networks (ENWLSD)

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QUESTION 1

A customer is concerned about mesh backhaul link security. Which level of encryption does the backhaul link use?

A. hash

B. AES

C. WEP

D. 3DES

Correct Answer: B

Reference:

In a Cisco wireless backhaul network, traffic can be bridged between MAPs and RAPs. This traffic can be from wired devices that are being bridged by the wireless mesh or CAPWAP traffic from the mesh access points. This traffic is always AES encrypted when it crosses a wireless mesh link such as a wireless backhaul.

QUESTION 2

Clustering Cisco WLCs into a single RF group enables the RRM algorithms to scale beyond the capabilities of a single Cisco WLC. How many WLC and APs in an RF group can the controller software scale up to in WLC release 8.9 depending on the platform?

A. up to 20 WLCs and 1000 APs

B. up to 20 WLCs and 3000 APs

C. up to 20 WLCs and 4000 APs

D. up to 20 WLCs and 6000 APs

Correct Answer: D

Reference:

• Controller software supports up to 20 controllers and 6000 access points in an RF group.

https://www.cisco.com/c/en/us/td/docs/wireless/controller/8-9/config-guide/b_cg89/radio_resource_management.html

QUESTION 3

An engineer must create data link redundancy for the company\\'s Cisco Wireless LAN controller. The engineer has decided to configure LAG-based redundancy instead of port-based redundancy. Which three features of LAG-based redundancy influenced this decision? (Choose three.)

A. Packets are always sent out on the same port they are received on.

B. All interface traffic passes as long as one port is up.

C. The same port has multiple untagged dynamic interfaces.

D. Interface connection to two separate nonstacked switches is available.

E. Full bandwidth of all links is available.

F. Ports are grouped into multiple LAGs.

Correct Answer: ABF

Reference: https://community.cisco.com/t5/wireless-mobility-documents/lag-link-aggregation/ta-p/3128669

QUESTION 4

A wireless network consultant must assess an existing wireless LAN controller. Which section must the consultant check before replacing the old APs with APs that are IEEE 802.11ac-capable?

A. number of AP licenses

B. controller PSU

C. throughput capacity

D. software version

Correct Answer: D

Reference: https://www.cisco.com/c/en/us/products/collateral/wireless/catalyst-9100ax-access-points/nb-06-802-11ax-faq-cte-en.html

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QUESTION 5

An engineer is performing an active survey of a network that must support different types of mobile devices. The devices must be able to run an application that requires a minimum RF of -73 dBm. Which mobile device must be used for the survey?

A. one that has a receiver sensitivity of -70 dBm

B. one that has the lowest receiver sensitivity

C. one that has the most updated wireless card

D. one that has 802.11a wireless support

Correct Answer: A