Cisco

300-425 Exam

Designing Cisco Enterprise Wireless Networks

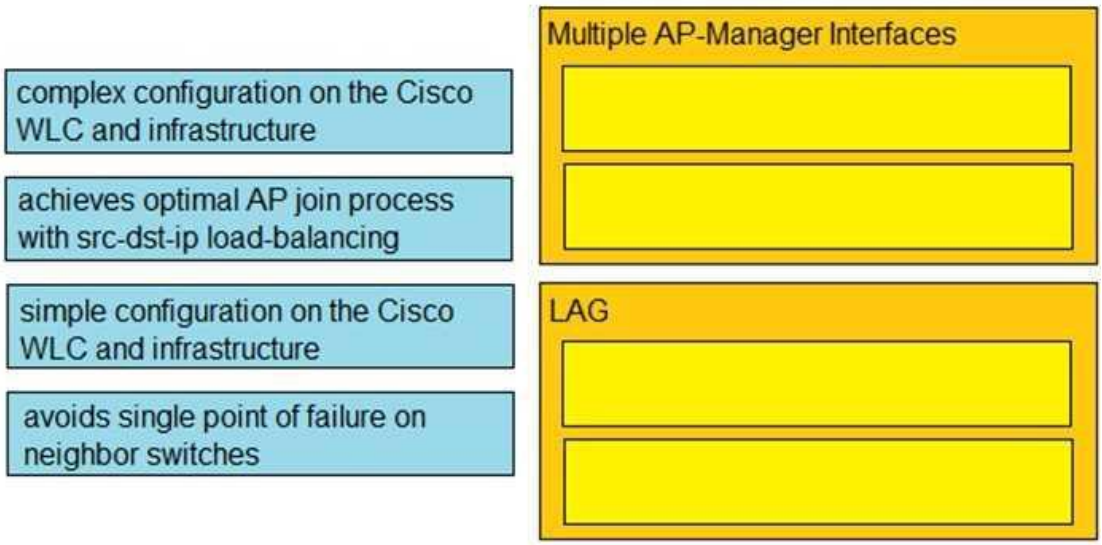
Questions & Answers
Demo

Version: 8.0

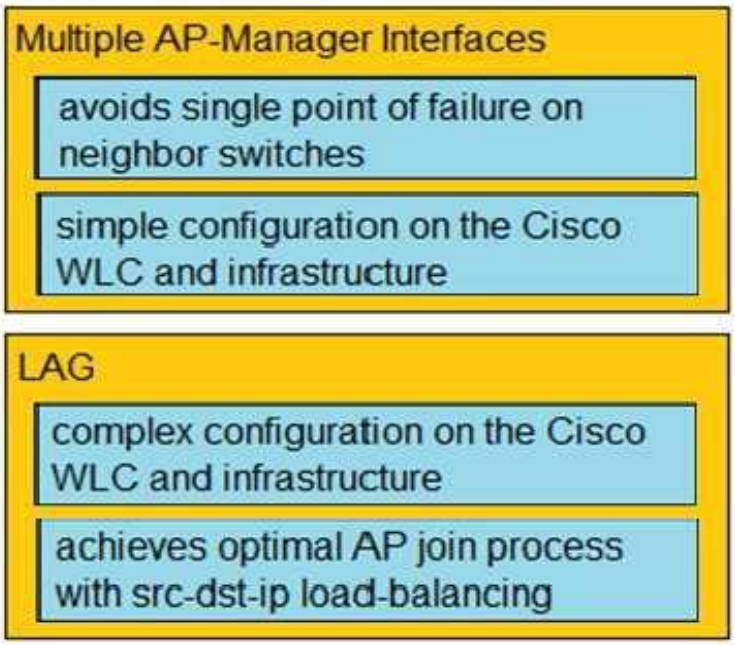
Question: 1

DRAG DROP

Drag and drop the characteristics from the left onto the correct functionalities on the right.



Answer:



Reference:
https://www.cisco.com/c/en/us/td/docs/wireless/controller/7-4/configuration/guides/consolidated/b_cg74_CONSOLIDATED/b_cg74_CONSOLIDATED_chapter_010100001.html

Question: 2

Which UDP port numbers are used for exchange mobility packets in an AireOS wireless deployment?

A. UDP 16666 for control plane, EoIP (IP protocol 97) for data plane
B. UDP 16668 for control plane, UDP 16667 for data plane
C. UDP 16667 for control plane, UDP 16666 for data plane
D. UDP 16666 for control plane, UDP 16667 for data plane

Answer: D

Reference:

- Enable these UDP ports for Mobility traffic:
  - 16666 – Secured Mode
  - 16667 – Unsecured Mode

Question: 3

A customer asks an engineer to explain the concept of mobility domains and mobility groups.
Which statement does the engineer respond with?

A. A mobility group does not constrain the distribution of security context of a client and also does not

constrain AP fail-over between controllers when the WLC are in the same mobility domain.
B. If WLCs are in the same mobility domain, they communicate with each other but, if an anchor WLC is present it must be in the same mobility domain for communication to be possible.
C. If WLCs are in the same mobility domain, they communicate with each other. Mobility groups constrain the distribution of security context of a client and also constrain AP fail-over between controllers.
D. WLCs do not need to be in the same mobility domain to communicate with each other. Mobility groups constrain the distribution of security context of a client and also constrain AP fail-over between controllers.

Answer: C

Reference:

https://www.cisco.com/c/en/us/td/docs/wireless/controller/8-0/configuration-guide/b_cg80/b_cg80_chapter_010011.html

Question: 4

An engineer is designing a wireless deployment for a university auditorium. Which two features can be used to help deal with the issues introduced by high AP count? (Choose two.)

A. TSPEC
B. RXSOP
C. TPC
D. LSS
E. DFS

Answer: CE

Reference:

https://www.cisco.com/c/en/us/support/docs/wireless-mobility/80211/200069-Overview-on-802-11h-Transmit-Power-Cont.html

Question: 5

A wireless engineer is designing a wireless network to support real-time applications over wireless. Which IEEE protocol must the engineer enables on the WLC so that the number of packets that are exchanged between an access point and client are reduced and fast roaming occurs?

A. 802.11w
B. 802.11r
C. 802.11i
D. 802.11k

Answer: B

Reference:

802.11r reduces the number of packets that are exchanged between the client and an AP. The client preauthenticates to the AP it will roam to before actually roaming. This means the roam itself occurs faster because the AP already has the client authentication credentials cached, resulting in fewer packets required between the client and the AP.