300-365.exam

CISCO

300-365

Deploying Cisco Wireless Enterprise Networks

Version 1.0

Exam A

QUESTION 1
The customer has deployed C7960 phones with clients connected to them. What switch feature could be enabled to distinguish IP voice traffic from client data traffic?

A. Voice VLAN
B. QoS routing
C. WME

D. Weighted Queuing

E. QBSS

Correct Answer: A
Section: (none)
Explanation

Explanation/Reference:
Explanation:

QUESTION 2
Which show command will show whether a WLAN is locally or centrally switched on a Cisco Wireless Lan Controller?

A. show ap config general Cisco_AP

B. show wlan wlan_id

C. show flexconnect summary

D. show flexconnect group detail

Correct Answer: B
Section: (none)
Explanation

Explanation/Reference:
Explanation: http://www.cisco.com/c/en/us/td/docs/wireless/controller/7-
2/configuration/guide/cg/cg_flexconnect.html

QUESTION 3
A network engineer is experiencing issues enabling LAG on the WLC. Which four characteristics should be validated to ensure LAG configuration? (Choose four.)

A. All ports participate in the LAG by default when LAG is enabled on the controller. y

B. Dynamic interfaces and management are moved to port 1

C. Primary and secondary ports are needed for each interface.

D. Multiple untagged interfaces to the same port are not allowed.

E. EtherChannel must be configured for mode "on" on the switch.

F. Only one functional physical port is needed to continue to pass traffic.

G. Multiple LAGs are permitted on the controller.

H. The WLC does not need to be rebooted to enable the LAG configuration.

Correct Answer: ADEF
Section: (none)
Explanation

Explanation/Reference:
Explanation:
http://www.cisco.com/c/en/us/td/docs/wireless/controller/7-4/configuration/guides/consolidated/b_cg74_CONSOLIDATED/
b_cg74_CONSOLIDATED_chapter_0100011.html

QUESTION 4
A customer requires wireless traffic from the branch to be routed through the firewall at corporate headquarters. There is a RADIUS server in each branch location.
Which FlexConnect state should be used in this scenario?

A. local authentication and local switching
B. local authentication and central switching
C. central authentication and central switching
D. central authentication and local switching

Correct Answer: C
Section: (none)
Explanation
Explanation/Reference:
Explanation: http://www.cisco.com/c/en/us/td/docs/wireless/controller/7-
2/configuration/guide/cg/cg_flexconnect.html

QUESTION 5
After a wireless deployment, users report that wireless voice clients are experiencing an unacceptable amount of delay while roaming during a call on the Cisco Unified 7925 Series phones. The customer environment consists of multiple controllers, all running 7.4.121.0 code, operating in a centralized deployment. What configuration issue is most likely contributing to the problem?

A. The authentication should be set to WPA2-PSK to allow for 802.11n speeds for the Cisco Unified 7925 phones.

B. The access points on that floor are all on one controller and should be load balanced evenly across multiple controllers.

C. The access points for that floor are salt and peppered across multiple controllers and should be moved to the primary controller.

D. The wireless phones are operating in the 2.4 GHz band and should be configured for the 5 GHz band.

Correct Answer: B
Section: (none)
Explanation

Explanation/Reference:
Explanation:

QUESTION 6
A network engineer is debugging issues with the mDNS gateway. Which type of reply should be seen in the Wireshark capture when querying for a mDNS service in the Bonjour Cache?

A. unicast from Prime Infrastructure

B. unicast from controller

C. multicast from devices

D. multicast from controller

E. unicast from devices

F. multicast from Prime Infrastructure

Correct Answer: B
Section: (none)
Explanation

Explanation/Reference:
References: http://www.cisco.com/c/en/us/td/docs/wireless/technology/bonjour/Bonjour74/Bonjour_Deployment.html
QUESTION 7
A network engineer must configure a 5 GHz network to allow for the greatest density of radios possible with the least amount of co-channel interference. Which configuration best fulfills this requirement?

A. Set 802.11h Local Power constraint to 25 dBm.

B. Set DCA to 20 MHz channels and enable Extended UNII-2 channels.

C. Enable Event Driven RRM in 5 GHz with a sensitivity of High. n

D. Configure TPC Power Threshold to -80 dBm and set interference Optimal Mode (TPCv2).

Correct Answer: B
Section: (none)
Explanation

Explanation/Reference:
Explanation:

References: http://www.cisco.com/c/en/us/products/collateral/wireless/aironet-1250-series/design_guide_c07-693245.html#wp9001447

QUESTION 8
What is the default NMSP echo interval between a Mobility Services Engine and Wireless LAN Controller?

A. 30 Seconds
B. 15 Seconds
C. 10 Seconds
D. 60 Seconds

Correct Answer: B
Section: (none)
Explanation

Explanation/Reference:
Explanation:
http://www.cisco.com/en/US/docs/wireless/mse/3350/6.0/CAS/configuration/guide/msecg_ch4_CAS.html

QUESTION 9
A network engineer has installed 802.11ac access points with 80 MHz enabled; however, in the conference rooms, co-channel interference is being noticed. Under which tab in the RF profiles configuration can the engineer find the settings to tune the channel width for a group of APs?

A. 802.11
B. RRM
C. High Density
D. General

Correct Answer: B
Section: (none)
Explanation

Explanation/Reference:
Explanation: http://www.cisco.com/c/dam/en/us/td/i/400001-500000/400001-410000/403001-404000/403466.tif/_jcr_content/renditions/403466.jpg

QUESTION 10
A customer has limited staff to manage a wireless network. The customer wants a solution that requires minimum hardware. Which type of architecture do you propose?

A. centralized
B. distributed
C. cloud-based
D. unified

Correct Answer: A
Section: (none)
Explanation

Explanation/Reference:
Explanation:

QUESTION 11
Controllers WLC_1 and WLC_2 are in the same mobility group. A wireless client that does not have the same VLAN interface roams from WLC_1 to WLC_2. What happens to the client roaming?

A. The client context is deleted in controller WLC_1, and a new client context is created in WLC_2 to become the anchor controller.
B. The client context is moved from controller WLC_1 to controller WLC_2. The result is that the WLC_1 client context is deleted and WLC_2 becomes the anchor controller.
C. The client context is copied from controller WLC_1 to controller WLC_2. The result is that WLC_1 becomes the foreign controller and WLC_2 becomes the anchor controller.
D. The client context is copied from controller WLC_1 to controller WLC_2. The result is that WLC_1 becomes the anchor controller and WLC_2 becomes the foreign controller.

Correct Answer: D
Section: (none)
Explanation

Explanation/Reference:

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

QUESTION 12
An engineer wants to configure Call Admission Control and ensure that AC is based on the capacity of the AP and considering the possible impact of other APs in the area. Which two configuration options are required? (Choose two.)

A. Static CAC
B. Admission Control
C. Load-Based AC
D. Add Traffic Stream
E. Reserved Roaming Bandwidth
F. Expedited Bandwidth

Correct Answer: BC
Section: (none)
Explanation

Explanation/Reference:
http://www.cisco.com/c/en/us/td/docs/wireless/controller/8-1/Enterprise-Mobility-8-1-Design-Guide/Enterprise_Mobility_8-1_Deployment_Guide/ch5_QoS.html

QUESTION 13
By default, how long does a Mobility Services Engine wait for an echo response from a Wireless LAN Controller before declaring the neighbor dead?

A. 10 Seconds
B. 60 Seconds
C. 15 Seconds
D. 30 Seconds

Correct Answer: D

Section: (none)
Explanation

Explanation/Reference:
Explanation: http://www.cisco.com/c/en/us/td/docs/wireless/prime_infrastructure/2-0/configuration/guide/pi_20_cg/mse.html

QUESTION 14
Which network is connected by default when connecting to the unused Ethernet port of a MAP?

A. the native VLAN that the MAP is connected to
B. the VLAN that is associated with WLAN number 1 in the WLC
C. the native VLAN that the WLC is connected to
D. the VLAN that is associated with the SSID that the MAPs are communicating on

Correct Answer: A
Section: (none)
Explanation

Explanation/Reference:
Explanation:

QUESTION 15
An engineer must deploy FlexConnect APs to a site that typically has 300 ms latency to the WLC. Which typical operating mode must the engineer plan on for normal operations?

A. local authentication, local switching
B. central authentication, central switching
C. central authentication, local switching
D. connected mode

Correct Answer: A
Section: (none)
Explanation
Explanation/Reference:
References: http://www.cisco.com/c/en/us/td/docs/wireless/controller/7-2/configuration/guide/cg/cg_flexconnect.html

QUESTION 16

A customer has implemented a wireless network that requires tuning for High Density applications utilizing the RX-SOP feature. They are experiencing a high noise floor (average of -65 dBm) and expect that to decrease significantly. A sampling of radios determine that most Access Points have neighbors on the same channel at a power level of -75 dBm. Which value should the customer use to start tuning RX-SOP?

A. -60 dBm

B. -65 dBm

C. -70 dBm

D. -75 dBm

E. -80 dBm

Correct Answer: C
Section: (none)
Explanation

Explanation/Reference:
Explanation:

QUESTION 17
A customer is implementing a massively scaled guest wireless network to support approximately 32,000 clients. For ease of administration, they have required implementing multiple interfaces defined on the WLC and mapped to a single interface group. Which configuration meets this need?

A. 264 interfaces of /25 sized networks

B. 132 interfaces of /24 sized networks

C. 66 interfaces of /23 sized networks

D. 33 interfaces of /22 sized networks

Correct Answer: D
Section: (none)
Explanation

Explanation/Reference:
References: http://www.cisco.com/c/en/us/support/docs/wireless/8500-series-wireless-controllers/113695-8500-dg-00.html

QUESTION 18

DRAG DROP
Drag the QoS values from the left and drop them in the correct descending order of priority on the right.

Select and Place:

CS1	
CS3	
CS4	
CS6	
AF11	
AF31	
EF	

Correct Answer:

CS6

EF

CS4

AF31

CS3

AF11

CS1

Section: (none)
Explanation

Explanation/Reference:

References: http://www.cisco.com/c/en/us/support/docs/wireless-mobility/voice-over-wireless-lan-vowlan/116056-technote-qos-00.html

QUESTION 19

A FlexConnect remote office deployment is using five 2702i APs indoors and two 1532i APs outdoors. When a code upgrade is performed and FlexConnect Smart AP Image Upgrade is leveraged, but no FlexConnect Master AP has been configured. How many image transfers between the WLC and APs will occur?

A. 7
B. 1
C. 5
D. 2

Correct Answer: D
Section: (none)
Explanation

Explanation/Reference:
Explanation:

QUESTION 20
What devices can be tracked with the Cisco Context Aware Services?

A. Only wired devices.
B. Both wired and wireless devices.
C. Only Cisco certified wireless devices.
D. Only wireless devices.

Correct Answer: B
Section: (none)
Explanation

Explanation/Reference:
Explanation:

QUESTION 21

A network engineer is viewing the QBSS information in a packet sniff. Which two QBSS characteristics are crucial for successful troubleshooting? (Choose two.)

A. When only WMM is enabled, information element number 1 QBSS Load information element is sent out in the beacons and probe responses.
B. When only WMM is enabled, information element number 3 QBSS Load information element is sent out in the beacons and probe responses.
C. When the client CAC limit is supported, information element number 2 is sent out in the beacons and probe responses on the bg radios.
D. When the client CAC limit is supported, information element number 1 is sent out in the beacons and probe responses on the bg radios.
E. When only WMM is enabled, information element number 2 QBSS Load information element is sent out in the beacons and probe responses.

Correct Answer: DE
Section: (none)
Explanation

Explanation/Reference:
References: https://www.cisco.com/en/US/docs/solutions/Enterprise/Mobility/emob30dg/WANQoS.pdf

QUESTION 22
You have just added a new MSE to Prime Infrastructure and want to synchronize the MSE with your 5508 WLC. which is located behind a firewall in a DMZ. You notice that NMSP messages are failing between the two devices. What traffic needs to be allowed on the Firewall to ensure the MSE and WLC can communicate using NMSP?

A. UDP 16113
B. TCP 1613
C. TCP 16113
D. UDP 1613

Correct Answer: C
Section: (none)

Explanation

Explanation/Reference:
Explanation:

References: http://www.cisco.com/c/en/us/support/docs/wireless/5500-series-wireless-controllers/113344-cuwn-ppm.html

QUESTION 23
A network engineer is configuring QoS and sees a DSCP value of 40. To which CoS value will this be mapped?

A. 4
B. 3
C. 5
D. 2
E. 1

Correct Answer: C
Section: (none)
Explanation

Explanation/Reference:
Explanation:

References: http://www.cisco.com/c/en/us/support/docs/wireless-mobility/voice-over-wireless-lan-vowlan/116056-technote-qos-00.html#anc3

QUESTION 24
A network engineer must ensure that corporate wireless users have a better experience than guest wireless users. Which two configurations fulfil requirement?
(Choose two.)

A. Override per-SSID bandwidth contracts on the corporate WLAN to reserve bandwidth.
B. Modify the corporate WLAN to the Platinum QoS policy.
C. Enable 802.1p tag on the Gold QoS pofccy to honor prioritized traffic.
D. Adjust the guest WLAN radio policy to 80211b/g only.
E. Change the guest WLAN to the Bronze QoS policy.

Correct Answer: BE
Section: (none)
Explanation

Explanation/Reference:
Explanation:

References: http://www.cisco.com/c/en/us/support/docs/wireless-mobility/wireless-lan-wlan/81831-qos-wlc-lap.html

QUESTION 25
A customer called into the support center with a problem ticket that involves wireless clients having to reauthenticate when they are walking around their office.
After further investigation, it was discovered that the customer has two controllers in an N+1 deployment. Which action must the engineer take to troubleshoot the issue?

A. Verify that the wireless controllers are in the same mobility group and that the access points are all on the primary controller.
B. Under the SSID, make sure that 802.11r is configured and running for the clients.
C. Make sure that the SSID has the authentication set to 802.1x with Cisco Centralized Key Management so the data clients can roam seamlessly.
D. Verify the access points are spread out between the primary and secondary controller and that the controllers are in the same mobility group.

Correct Answer: D
Section: (none)
Explanation

Explanation/Reference:
Explanation:

QUESTION 26
Which two methods to discover a controller does a MAP attempt when it boots up? (Choose two.)

A. If Ethernet and wireless are available, it attempts to discover only via Ethernet.
B. If Ethernet is disconnected, it attempts to connect wirelessly using AWPP.
C. If only wireless is available and it is configured as a MAP, it does not attempt to connect to a WLC.
D. If Ethernet and wireless are available, it uses Ethernet first. If it cannot connect via Ethernet, then it chooses wireless.
E. If Ethernet is disconnected, it attempts to connect wirelessly using the configured DHCP option.

Correct Answer: AB
Section: (none)
Explanation

Explanation/Reference:
References: http://www.cisco.com/c/en/us/td/docs/wireless/controller/7-3/configuration/guide/b_cg73/b_wlc-cg_chapter_01001.html

QUESTION 27
After implementing mDNS gateway, a school's network administrator notices that mDNS wireless printers are available over the whole network. Which feature can the admin use to restrict the printer mDNS advertisements to the AP that the printer is joined to and adjacent APs?

A. mDNS-AP
B. SSO
C. LSS
D. Priority MAC

Correct Answer: A
Section: (none)
Explanation

Explanation/Reference:
Explanation:

QUESTION 28
Scenario
There is a problem with the East-WLC-2504A. When configuration changes are made to the Employees-East-Wing AP Group that covers the East-Wing, none of
the APs receive the updates. Refer to the exhibits to determine where the problems are.

SSID Name:	Employees
WLAN ID	10
APs:	Preconfigured on WLC
Dynamic Interface Name:	east-wing
Dynamic Interface IP Address:	172.16.1.6/24
Dynamic Interface Gateway IP Address:	172.16.1.1/24
VLAN:	22
Port Number:	1
AP Group Name:	Employees-East-Wing

Note, not all menu items, text boxes, or radio buttons are active.
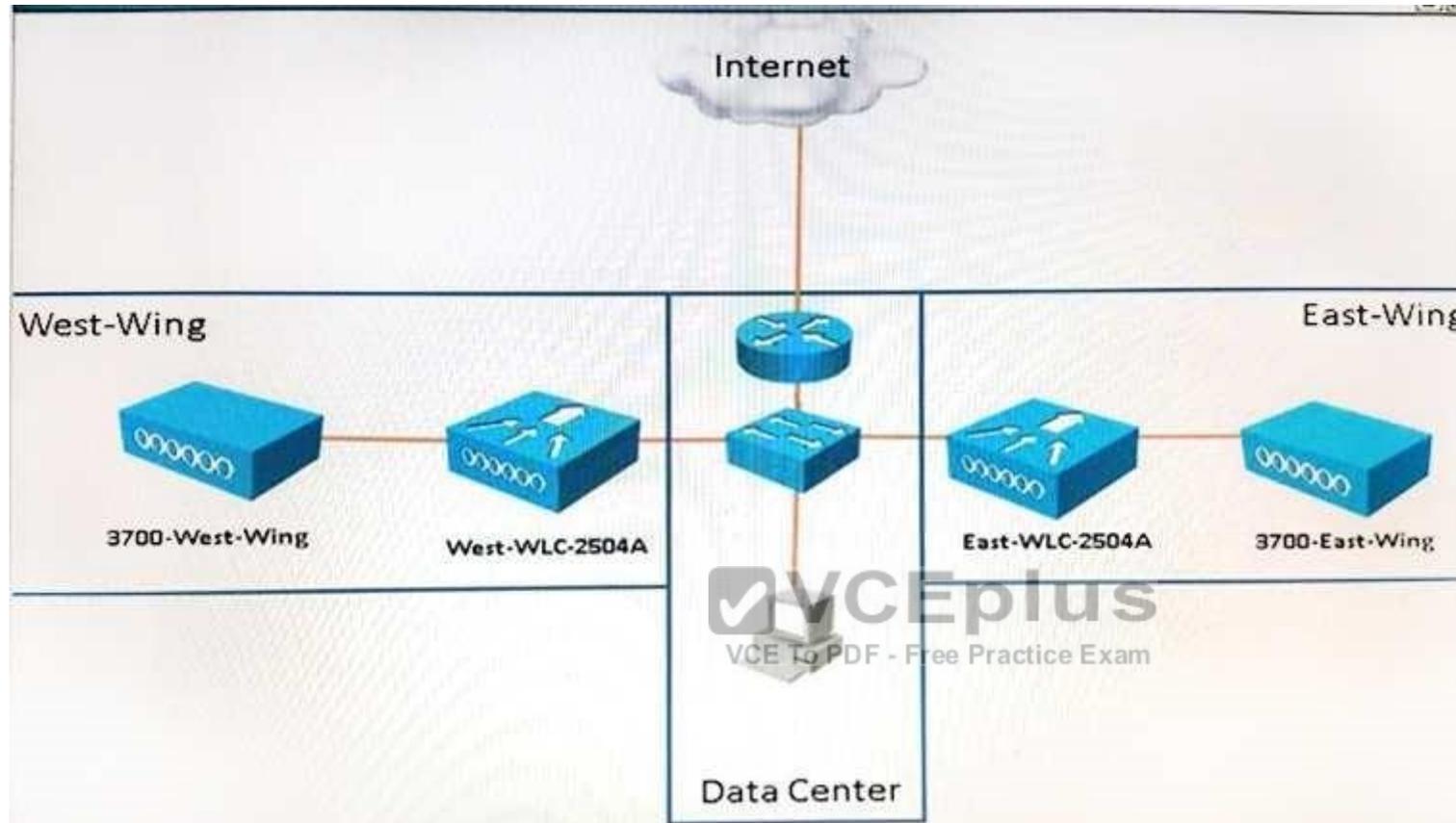
What needs to be changed in the configuration of the East-WLC-2504A controller to restore functionality to the Employees-East-Wing AP Group? (Choose four.)

A. Change the AP in the Employees-East-Wing AP Group.
B. Change the IP Address in the east-wing interface.
C. Change the VLAN Identifier in the east-wing interface.
D. Enable Dynamic AP Management in the east-wing interface.
E. Change the Port Number to 2 in the east-wing interface.
F. Add the Primary Controller and IP address to the 3700-East-Wing AP.
G. Change the SSID in the Employees-East-Wing AP Group.
H. Change the Interface/Interface Group In the Employees-East-Wing AP Group.

Correct Answer: DFGH
Section: (none)
Explanation

Explanation/Reference:
References: http://www.cisco.com/c/en/us/support/docs/wireless-mobility/wireless-lan-wlan/69639-wlc-failover.html

QUESTION 29
A client reports that video is not streaming. The administrator determines the client is connecting at a data rate of 12 Mbps and is trying to stream to a valid multicast address on the network. What three items should the administrator check next to troubleshoot the issue? (Choose three)

A. IGMP snooping is turned off because the client cannot request to join a group, only access points can.
B. Video-stream for the multicast video is configured in the controller.
C. WLAN has been set for a QoS value of Platinum.
D. WLAN has been configured to allow multicast-direct to work correctly and multicast-direct has been enabled globally.
E. WLAN has been set for a QoS value of Gold.
F. RTSP is used to stream the video due to wireless multicast not using acknowledgements.

Correct Answer: BDE
Section: (none)
Explanation

Explanation/Reference:
References: http://www.cisco.com/c/en/us/td/docs/wireless/controller/8-0/configuration-guide/b_cg80/b_cg80_chapter_0100111.html

QUESTION 30
A customer has "quiet" wireless clients that use static IP addresses. Which two WLAN configurations are required for these wireless clients to connect properly? (Choose two.)

A. Disable DHCP address assignment required.
B. Enable passive client.
C. Disable allow AAA override.
D. Enable static IP tunneling.
E. Disable DHCP server override.

Correct Answer: A

Section: (none)
Explanation
Explanation/Reference:
Explanation: