

Cisco.Premium.300-365.by.VCEplus.71q

Number: 300-365 VCEplus
Passing Score: 800
Time Limit: 120 min
File Version: 16.2



Exam Code: 300-365

Exam Name: Deploying Cisco Wireless Enterprise Networks

Certification Provider: Cisco

Corresponding Certifications: CCNP Wireless

Website: www.vceplus.com

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Exam A**QUESTION 1**

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:

QUESTION 2

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:

QUESTION 3

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:

QUESTION 4

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: AB

Section: (none)

Explanation

Explanation/Reference:

QUESTION 5

An engineer used an interface group under the SSID configuration, but noticed that a test client is getting an IP assigned in a different VLAN from the DHCP server.

Which two options override the interface group configuration on the SSID? (Choose two.)

- A. static VLAN on client
- B. ACL
- C. AP group
- D. static IP on client
- E. MAC filtering

- F. RF group
- G. AAA override

Correct Answer: CG

Section: (none)

Explanation

Explanation/Reference:

QUESTION 6

A customer requires that the remote site be able to utilize local servers when the AP is in WAnDown (standalone mode). Which AP mode must be configured on the wireless controller?

- A. SE-Connect
- B. Monitor
- C. Local
- D. FlexConnect
- E. Sniffer
- F. Rogue Detector

Correct Answer: D

Section: (none)

Explanation

Explanation/Reference:

QUESTION 7

A customer has implemented several WLANs in an auditorium utilizing a newly dedicated WLC and is experiencing excessive channel utilization regardless of occupancy. Which action reduces channel utilization without removing SSIDs?

- A. Disable MCS data rates 0 through 11.
- B. Disable MCS data rates used by 40 MHz channels.
- C. Disable data rates that use CCK.
- D. Disable VHT data rates.

Correct Answer: C

Section: (none)

Explanation**Explanation/Reference:****QUESTION 8**

CMX Facebook WiFi can allow access to the network before authentication. Which two of the following options are available? (Choose two)

- A. Allow all the traffic before authentication and intercept HTTPs only.
- B. Allow HTTP traffic only before authentication and block all the traffic.
- C. Allow SNMP traffic only before authentication and block all the traffic.
- D. Allow all the traffic before authentication and intercept HTTP only.
- E. Allow HTTPs traffic only before authentication and block all other traffic.

Correct Answer: BD

Section: (none)

Explanation**Explanation/Reference:****QUESTION 9**

You have set up FlexConnect APs. For which scenario is Fast Roaming supported, providing the WLAN is mapped to the same VLAN and the client is roaming to an AP on the same Cisco WLC?

- A. central switching with PMK (OKC) between different FlexConnect groups
- B. local switching with Cisco Centralized Key Management within the same FlexConnect group
- C. central switching with Cisco Centralized Key Management between different FlexConnect groups
- D. local switching with PMKID within the same FlexConnect group

Correct Answer: B

Section: (none)

Explanation**Explanation/Reference:****QUESTION 10**

What address do PIM routers listen to in order to automatically discover the best RP for each multicast group?

- A. 224.0.0.13
- B. 224.0.1.39
- C. 224.0.0.14
- D. 224.0.140

Correct Answer: D

Section: (none)

Explanation

Explanation/Reference:

QUESTION 11

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:

QUESTION 12

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:

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:



QUESTION 14

A customer recently implemented WLC wireless multicast. Clients are connecting at the highest mandatory wireless rate of 24 Mbps and are receiving multicast traffic, but WLC cpu utilization and wired side network load has increased substantially.

What three actions should the engineer take next to optimize the configuration? (Choose Three)

- A. verify that Global Multicast mode has been enabled
- B. verify that IGMP snooping is disabled on the wireless controller since the access points are handling IGMP messages from the clients.
- C. make sure the highest mandatory rate is set to 54 Mbps so that the multicast traffic has sufficient bandwidth
- D. verify Multicast Listener Discovery (MLD) v1 snooping has been enabled to keep track of and deliver IPv4 multicast flows
- E. change the wireless controller from Multicast-Unicast mode to Multicast-Multicast mode and assign a multicast address in the 239.X.X.X/8 subnet
- F. verify that the L3 interfaces are configured for p2mp sparse-dense-mode on the VLAN servicing the wireless access points as well as the wireless controller's management VLAN

Correct Answer: ABE

Section: (none)

Explanation

Explanation/Reference:

QUESTION 15

A customer requires that an SSID is broadcasted to specific access points that use certain interfaces. Which feature can be used to achieve this goal?

- A. mobility groups
- B. flex-connect groups
- C. interface groups
- D. AP groups

Correct Answer: C

Section: (none)

Explanation

Explanation/Reference:



QUESTION 16

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:**QUESTION 17**

A network engineer observes a spike in controller CPU overhead and overall network utilization after enabling multicast on a controller with 500 APs. What feature is necessary to correct the issue?

- A. controller IGMP snooping
- B. unicast AP Multicast Mode
- C. broadcast forwarding
- D. multicast AP Multicast Mode

Correct Answer: B

Section: (none)

Explanation

Explanation/Reference:**QUESTION 18**

Which two options are limitations of using an AP as a workgroup bridge? (Choose two.)

- A. Only factory-configured MAPs can support WGB mode.
- B. MAPs that are configured in WGB mode do not answer S36 radio measurement requests.
- C. A limited subset of Layer 2 security types are supported for wireless clients of a WGB.
- D. There is a limit of 20 wired client devices.
- E. Multiple VLANs are not supported for wireless clients.

Correct Answer: BD

Section: (none)

Explanation

Explanation/Reference:**QUESTION 19**

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:

QUESTION 20

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:

QUESTION 21

When a Vocera badge performs a broadcast call in a properly configured VoWLAN using WLC v7.0, which two choices indicate how the QoS is marked? (Choose two.)

- A. Upstream marked as Best Effort.
- B. Upstream marked as ToS CS4.
- C. Upstream marked as DSCP EF.
- D. Downstream marked as DSCP EF.
- E. Downstream marked as Best Effort.

F. Downstream marked as Silver.

Correct Answer: CE

Section: (none)

Explanation

Explanation/Reference:

QUESTION 22

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:

QUESTION 23

An engineer would like to capture NetFlowdata on PI. Which resource is required to allow this?

- A. Cisco MSE as NetFlow exporter
- B. Prime Infrastructure 1.0 or later
- C. Cisco NAC as NetFlow exporter
- D. Cisco ISE as NetFlow exporter

Correct Answer: B

Section: (none)

Explanation

Explanation/Reference:

QUESTION 24

Which statement about when you configure FlexConnect APs and you want to set up Cisco Centralized Key Management fast roaming is true?

- A. FlexConnect groups are required for Cisco Centralized Key Management fast roaming to work with FlexConnect access points.
- B. APs that are in the same FlexConnect group but associated to different WLCs support Cisco Centralized Key Management.
- C. Cisco Centralized Key Management fast roaming among FlexConnect and non- FlexConnect access points is supported.
- D. The FlexConnect access point must be in standalone mode to support Cisco Centralized Key Management.

Correct Answer: A

Section: (none)

Explanation

Explanation/Reference:

QUESTION 25

Refer to Exhibit.



```
(WLC) >show interface summary
```

Interface Name	Vlan Id
deadnet	999
users1	14
users2	15
users3	16

```
(WLC) >show wlan 1
```

```
WLAN Identifier . . . . . 1
Network Name (SSID) . . . . . wlan1
AAA Policy Override . . . . . Enabled
Interface . . . . . deadnet
FlexConnect Local Switching . . . . . Enabled
FlexConnect Central Association . . . . . Disabled
flexconnect Central Dhcp Flag . . . . . Disabled
flexconnect nat-pat Flag . . . . . Disabled
flexconnect DNS Override Flag . . . . . Disabled
flexconnect PPPoE pass-through . . . . . Disabled
flexconnect local-switching IP-source-guar . . . . . Disabled
FlexConnect Vlan based Central Switching . . . . . Enabled
FlexConnect Local Authentication . . . . . Disabled
FlexConnect Learn IP Address . . . . . Enabled
```

```
(WLC) >show ap config general FlexAP1
AP Mode . . . . . FlexConnect
FlexConnect Vlan mode : . . . . . Enabled
    Native ID : . . . . . 1
    WLAN 1 : . . . . . 10 (AP-Specific)
FlexConnect VLAN ACL Mappings
Vlan : . . . . . 10
    Ingress ACL : . . . . . None
    Egress ACL : . . . . . None
VLAN with least priority : . . . . . 13
FlexConnect Group . . . . . flexgroup1
Group VLAN ACL Mappings
Vlan : . . . . . 11
    Ingress ACL : . . . . . None
    Egress ACL : . . . . . None
Vlan : . . . . . 12
    Ingress ACL : . . . . . None
    Egress ACL : . . . . . None
Vlan : . . . . . 13
    Ingress ACL : . . . . . None
    Egress ACL : . . . . . None
FlexConnect Backup Auth Radius Servers :
Primary Radius Server . . . . . Enabled (Group Level1)
Secondary Radius Server . . . . . Enabled (Group Level1)
```

A wireless client is connecting to FlexAPI which is currently working standalone mode. The AAA authentication process is returning the following AVPs:

```
Tunnel-Private-Group-Id(81): 15
Tunnel-Medium-Type(65):IEEE-802(6)   Tunnel-Type(64): VLAN(13)
```

Which three behaviors will the client experience? (Choose three.)

- A. While the AP is in standalone mode, the client will be placed in VLAN 15.
- B. While the AP is in standalone mode, the client will be placed in VLAN 10.
- C. When the AP transitions to connected mode, the client will be de-authenticated.
- D. While the AP is in standalone mode, the client will be placed in VLAN 13.
- E. When the AP is in connected mode, the client will be placed in VLAN 13.
- F. When the AP transitions to connected mode the client will remain associated.

G. When the AP is in connected mode, the client will be placed in VLAN 15. H. When the AP is in connected mode, the client will be placed in VLAN 10.

Correct Answer: ADE

Section: (none)

Explanation

Explanation/Reference:

QUESTION 26

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. VoiceVLAN
- B. QoS routing
- C. WME
- D. Weighted Queuing
- E. QBSS

Correct Answer: A

Section: (none)

Explanation

Explanation/Reference:

QUESTION 27

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

Correct Answer: BC

Section: (none)