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Implementing Cisco Unified Wireless Voice Networks (IUWVN) v2.0

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QUESTION 1

Which of these statements best describes Cisco Centralized Key Management?

A. It allows wireless clients to cache their credentials so that, while they are roaming, they do not need to reauthenticate to the wireless infrastructure.

B. It allows the wireless infrastructure to cache the credentials, thus eliminating the need to conduct a full reauthentication when roaming.

C. It enables the controller to send directed roam requests to a client in situations when the controller can better service the client on a different AP than the one to which the client is associated.

D. By caching their credentials, it helps clients save scanning time when looking for a new AP to join.

Correct Answer: B

QUESTION 2

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. SSID has been configured to allow multicast-direct and multicast-direct has been enabled globally.

B. IGMP snooping is turned off because the client cannot request to join a group, only access points can.

C. Video-stream for the multicast video is configured in the controller.

D. SSID has been set for a QoS value of Platinum.

E. SSID 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: ACE

QUESTION 3

A client\\'s VoWLAN network requires fast roaming on legacy CCXv3 certified devices, which last received an update in 2007. What two fast roaming standards and authentication methods would be supported? (Choose two.)

A. 802.11r with EAP-TLS

B. 802.11r with EAP-FAST

C. 802.11r with LEAP

D. 802.11r with PEAP

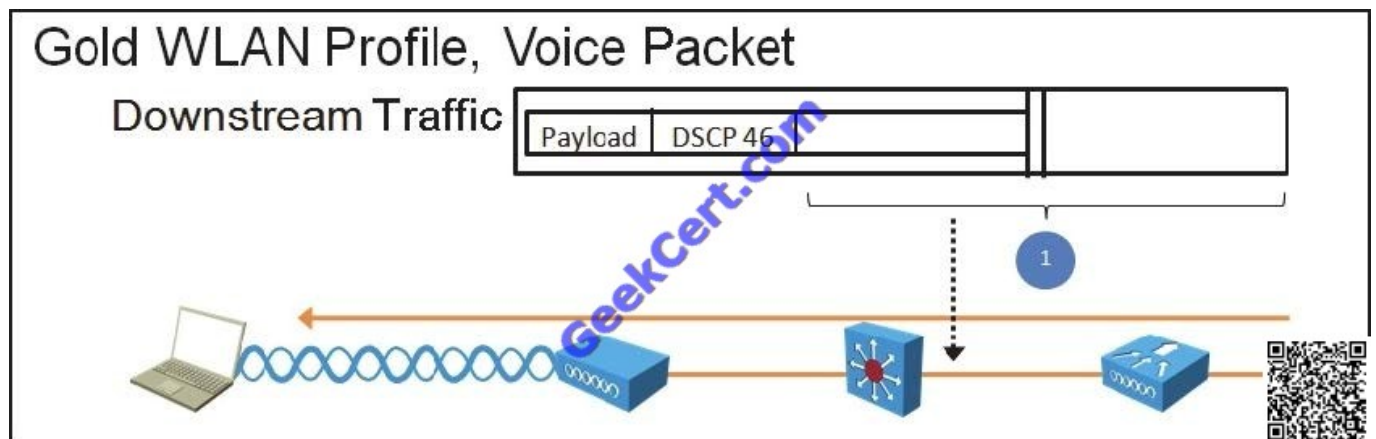E. CCKM with EAP-TLS

F. CCKM with EAP-FAST

G. CCKM with LEAP

H. CCKM with PEAP

Correct Answer: FG

QUESTION 4

Refer to the exhibit.

Voice bearer traffic is being sent downstream using a WLAN configured for gold QoS. Which two of these options indicate the inner 802.11e QoS markings and QoS CAPWAP markings that are used at location 1? (Choose two.)

A. Inner 802.11e: UP 6

B. Outer CAPWAP: DSCP EF and CoS 5

C. Outer CAPWAP: DSCP 46 and CoS 4

D. Inner 802.11e: UP 3

E. Outer CAPWAP: DSCP AF31 and CoS 3

F. Outer CAPWAP: DSCP AF41 and CoS 4 G. Outer CAPWAP: CoS 5

H. Inner 802.11e: UP 5

Correct Answer: CH

QUESTION 5

Using proper VoWLAN design practice, what would be the Cisco recommended total number of calls for a properly designed 802.11g cell to ensure call quality?

A. 4

B. 7

C. 14

D. 20

E. 25

F. 27

Correct Answer: C

QUESTION 6

A network engineer wants the DSCP marking to align with the 802.11e access category video. What will this marking be?

A. 4

B. 34

C. 5

D. AF31

Correct Answer: B

QUESTION 7

A WLC v7.0 is configured for multicast with WLC-to-AP multicast mode using IP address 239.10.10.10, IGMP snooping enabled, and all other parameters set to default. Which two statements describe how a wired ingress broadcast and multicast frame are handled? (Choose two.)

A. WLC will forward the broadcast frame to all APs and then to all WLANs.

B. WLC will forward the broadcast frame to all APs and then to only WLANs with active clients.

C. WLC will forward a broadcast frame to only APs and their respective WLANs with active clients.

D. WLC will drop the broadcast frame.

E. WLC will forward the multicast frame to all APs and then to all WLANs.

F. WLC will forward the multicast frame to all APs and then to only WLANs with active clients.

G. WLC will forward a multicast frame to only APs and their respective WLANs with active clients.

H. WLC will drop the multicast frame.

Correct Answer: DF

QUESTION 8

A corporation has a Cisco Unified Wireless Network that has been deployed for voice coverage. The wireless data rates have been tuned to mandatory rates of 18 Mbps and 36 Mbps. Some wireless clients have been experiencing drops streaming multicast video while moving throughout the building. What is the cause of the drop in video?

A. Clients are maintaining a 12Mbps rate and cannot receive the stream at 18Mbps.

B. Clients are not roaming due to coverage. This is causing the multicast data to drop due to the client re- associating often.

C. Clients are roaming at lower data rates and are not maintaining 36Mbps connectivity.

D. Clients are connected at 18Mbps; however, other clients are connecting at 12Mbps and are causing the multicast video to degrade.

Correct Answer: C

QUESTION 9

A customer has requested their wireless infrastructure to be able to provide voice phones with the ability to indicate to a wireless controller that the call is urgent and needs to be placed immediately. What solution should be recommended to the customer?

A. enable load-based CAC for voice networks and configure expedited bandwidth

B. disable load-based CAC for voice networks to turn off the controllers monitoring of the access point\\'s load, allowing for as many voice calls to be placed as necessary

C. configure expedited bandwidth and change the 802.1p value to 7 for platinum QoS

D. reconfigure the SSID for KTS based CAC to allow for a more granular handling of voice traffic

Correct Answer: A

QUESTION 10

Which two statements correctly describe WLAN QoS configuration related to WMM? (Choose two.)

A. 7920 AP CAC mode is not compatible with WMM policy and cannot be used at the same time.

B. 7920 Client CAC mode is not compatible with WMM policy and cannot be used at the same time.

C. 7920 AP CAC and 7920 client CAC modes are for 802.11b/g/n only.

D. 7920 AP CAC and 7920 client CAC modes are for 802.11a/n only.

E. 7920 AP CAC and 7920 client CAC modes are for 802.11a/b/g/n.

Correct Answer: BC

QUESTION 11

Refer to the exhibit.

```
*Dec 12 01:19:45.106 2009: 00:1e:7a:ba:dc:92 ADD TS from mobile on AP 00:22:90:93:4c:60 slotId 1
up = 6, tid = 6, upsd = 1, meciumTime = 1076, TSRSIE No

Wed Jul 22 06:13:14 2009: 00:1e:7a:ba:dc:92 up=6 tsid=6 direc=3
NomMsduSize=208
MaxMsduSize=208
MinServIntvl=0
MaxServIntvl=0
InactIntval=0
MinDataRate=83200
MeanDataRate=83200
PeakDataRate=83200
MinPhyRate=12000000SBA=0x2999
MediumTime=1076
*Dec 12 01:19:45.106 2009: Max stream Size is 168000
*Dec 12 01:19:45.106 2009: 2009: Max streams number is 2
*Dec 12 01:19:45.106 2009: 00:1e:7a:ba:dc:92 Can not allocate bw for ms on AP 00:22:90:93:4c:60
slotId 1 ac = 2, assoc = 0, bw_req = 1076, maxBw = 12500, bwAloc = 10760, roamBw = 750
*Dec 12 01:19:45.106 2009: 00:1e:7a:ba:dc:92 TSPEC from mobile (up = 6), Not enough bandw
*Dec 12 01:19:45.106 2009: 00:1e:7a:ba:dc:92 Sending Failed ADD TS resp to mobile on AP
00:22:90:93:4c:60 slotId 1
```

An engineer has performed a debug on wireless voice. Which four conditions can be determined from the information that was gathered? (Choose four.)

A. LBCAC is configured.

B. Static CAC is configured.

C. More than 1076 medium times remain.

D. Less than 1076 medium times remain.

E. The total number of calls allowed on the VoWLAN is 10.

F. The total number of calls allowed on the VoWLAN is 15

G. Increasing the maximum RF bandwidth in the wireless LAN controller could resolve this issue.

H. Increasing the reserved roaming bandwidth in the wireless LAN controller could resolve this issue.

Correct Answer: BDEG

QUESTION 12

Which two statements describe the capability of TSM to collect statistics that are related to VoWLAN on Cisco WLC v7.0? (Choose two.)

A. The feature is enabled by default.

B. It is operational only on 802.11a/n radio.

C. It is operational on both 802.11g/b/n and 802.11a/g radio.

D. It requires Cisco Compatible Extensions clients for uplink statistics only.

E. It requires Cisco Compatible Extensions clients for uplink and downlink statistics.

Correct Answer: CD

QUESTION 13

Which of these authentication and encryption combinations would be considered the most secure?

A. LEAP and WPA TKIP

B. EAP-FAST and WPA2 AES

C. EAP-FAST and WPA TKIP

D. WPA-PSK and TKIP

Correct Answer: B

QUESTION 14

Which of these statements best describes the Cisco Compatible Extensions "AP Specified Max Power" feature?

A. The Cisco Compatible Extensions-capable client sets its power independently and confirms with the AP if its setting is supported.

B. After a Cisco Compatible Extensions client associates to an AP, that AP will inform the other surrounding APs what power settings that client supports in case it roams to another AP.

C. The AP automatically sets the transmit power of each of its Cisco Compatible Extensions-capable clients.

D. The AP automatically sets the transmit and receive power of each of its Cisco Compatible Extensions- capable clients.

Correct Answer: C

QUESTION 15

After implementing mesh with an IP surveillance camera connected to the LAN port on a RAP, the engineer notices that QoS is not being marked. In this setup, what device is responsible for marking upstream traffic from the camera?

A. IP Camera

B. MAP

C. RAP

D. Wireless Controller

E. First-Hop Router

Correct Answer: A

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