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QUESTION 1

In a large enterprise (5000+ wireless users), by what recommended methods are IP addresses and VLANs assigned to different clients associated to the same AP? (Choose 3)

A. Each SSID is mapped to a static VLAN assignment

B. Upstream AAA servers dynamically assign VLANs to each user or group profile

C. Radio signal metrics (RSSI, SNR, etc.) of WLAN clients are triangulated for location-based VLAN assignment during association

D. Each BSSID is assigned a unique VLAN to help manage the size of broadcast domains on the wired network

E. Multiple VLAN pools are designated for an SSID and user IP addresses are selected in a round-robin fashion from the associated pools.

F. In a centralized data forwarding model, clients automatically receive an IP address on the native VLAN of the AP\\'s Ethernet access port.

G. The configuration profile of the client supplicant is hard-coded with a VLAN ID.

Correct Answer: ABE

QUESTION 2

You are working on a VoWLAN design with your customer\\'s wired networking team. How many distinct priority levels do you expect for the voice applications?
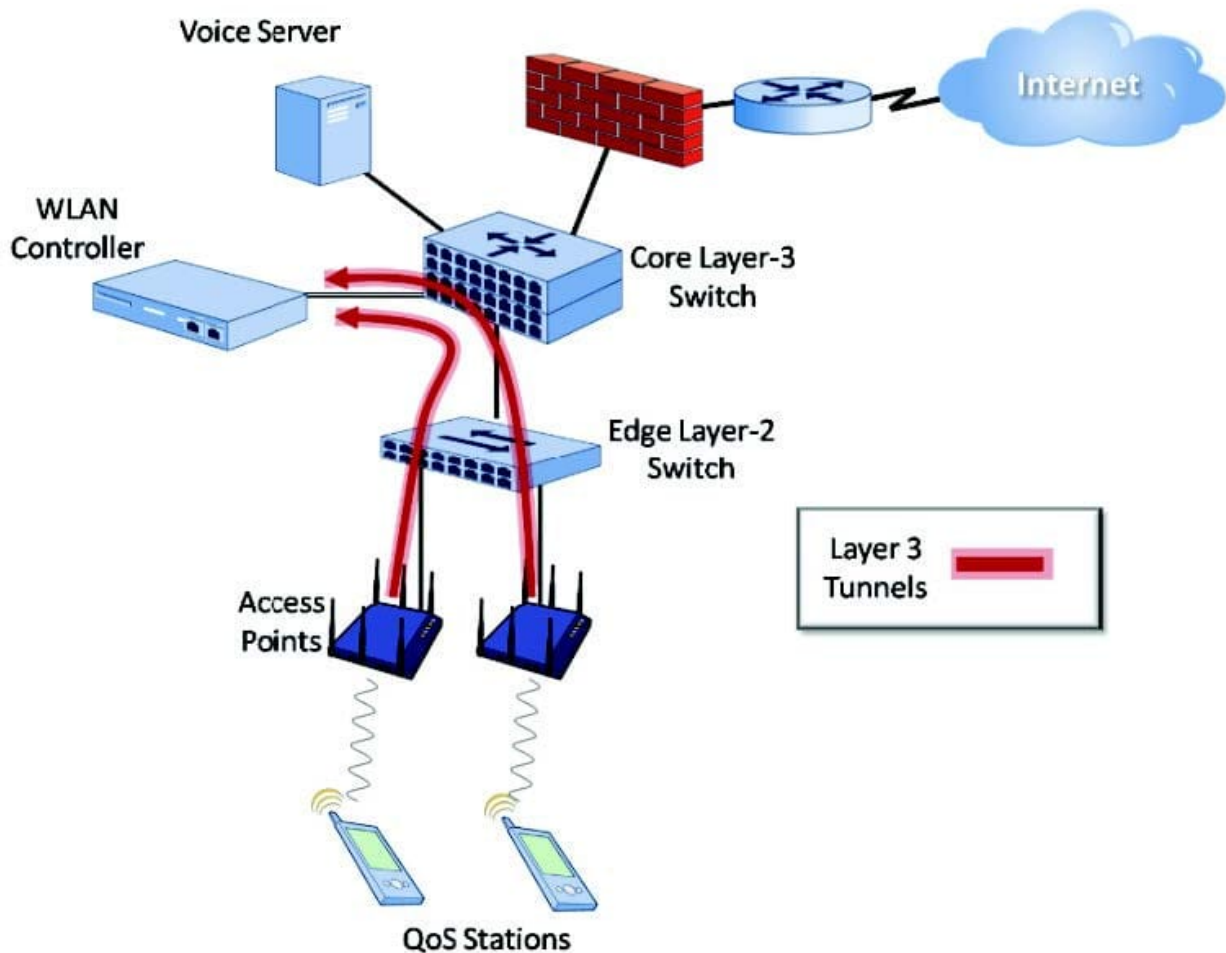
A. 1 priority level, but 2 queues (one for uplink traffic, one for downlink traffic)

B. 1 priority level per client and AP pair, so the total number depends on the expected number of clients

C. 1 priority level for voice RTP, 1 priority level for voice control and RTCP

D. 1 priority level for VoWLAN client traffic, 1 priority level for wired VoIP client traffic

Correct Answer: C

QUESTION 3

Given: Use the exhibit as a reference. ABC Company has a WLAN controller with 10 controller- based APs; the Voice SSID is configured for centralized data forwarding. Each AP is connected to an access port on a layer-2 Ethernet switch. Each layer-2 switch is uplinked to a single layer-3 core Ethernet switch. The WLAN controller is connected directly to the layer-3 core Ethernet switch. Layer-3 tunnels are created between all controller-based APs and the WLAN controller. A voice server is connected to the layer-3 Ethernet switch.

When a voice-enabled QoS STA sends an IP data packet to a voice server in this scenario, the DSCP value carried in the STA\\'s IP data packet gets mapped to what and by which device?

A. The DSCP value is mapped to an IEEE 802.1Q priority tag value by the WLAN controller.

B. The DSCP value is mapped to the DSCP value in the encapsulating IP header by the layer-3 switch.

C. The DSCP value is mapped to an IEEE 802.1p (802.1D-2004) UP value by the access point.

D. The DSCP value is mapped to an IEEE 802.1Q VLAN tag by the access point.

E. The DSCP value is mapped to the VLAN ID by the layer-2 Ethernet switch.

Correct Answer: A

QUESTION 4

Given: The 802.11n APs you have selected for your public access deployment support many of the PHY and MAC enhancements offered by the 802.11n standard. The AP is single-band (2.4 GHz) and only allows 20 MHz channels.

The WLAN radio in the AP is a 3x3 802.11n chip that supports two spatial streams.

What is the maximum MCS rate that could be supported by this AP?

A. 54 Mbps

B. 65 Mbps

C. 108 Mbps

D. 144 Mbps

E. 150 Mbps

F. 300 Mbps

Correct Answer: D

QUESTION 5

Multicast video applications typically require special treatment on the Wi-Fi network due to the nature of multicast traffic. Many vendors implement proprietary multicast-to-unicast conversion for this reason.

Which of the following is NOT a valid reason for special unicast conversion of downlink multicast traffic?

A. Multicast traffic must always be transmitted via omnidirectional antennas.

B. Group addressed downlink frames are not acknowledged on the wireless medium.

C. In QoS WLANs, multicast traffic is always assigned to the best effort (AC_BE) transmit queue.

D. Frames with a group receiver address must always be sent at a rate in the Basic Rate Set.

Correct Answer: A

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