ENCOR v1.1 (350-401) Video Training Series
Module 1 – Lesson 5 Quiz

Questions

1. Which QoS mechanism is most appropriate for giving priority treatment to voice or video packets?

   A. cRTP
   B. WRED
   C. CB-WFQ
   D. LLQ

2. Which of the following is NOT one of the Modular QoS Command Line Interface (MQC) configuration steps?

   A. Apply a Policy Map
   B. Create the “class-default” Class Map
   C. Create a Policy Map
   D. Create Class Maps

3. How many access categories does Wi-Fi Multimedia (WMM) have?

   A. 4
   B. 8
   C. 16
   D. 64

Questions and Answers

1. Which QoS mechanism is most appropriate for giving priority treatment to voice or video packets?

   A. cRTP
   B. WRED
   C. CB-WFQ
   D. LLQ

Answer: D
Explanation: Low Latency Queuing (LLQ) is an extension of Class Based Weighted Fair Queuing (CB-WFQ) that adds a priority queue. Voice and/or video packets are commonly placed in LLQ's priority queue in order to be sent ahead of other packet types. RTP Header Compression (cRTP) can reduce the size of the combined L2 and L3 headers of voice and video packets to 2 or 4 Bytes (2 Bytes without a UDP checksum, or 4 Bytes with a UDP checksum). However, while cRTP helps conserve bandwidth, it doesn't give priority treatment to RTP traffic. Weighted Random Early Detection (WRED) is a congestion avoidance mechanism, but it cannot be enabled for a priority queue. It can only be enabled on a queue for which CB-WFQ or Class Based Shaping has been configured. Class Based Weighted Fair Queuing (CB-WFQ) is a queuing mechanism that can assign minimum bandwidth guarantees to queues. However, CB-WFQ doesn't offer a priority queue.

Video Reference: Review of QoS Mechanisms

2. Which of the following is NOT one of the Modular QoS Command Line Interface (MQC) configuration steps?

   A. Apply a Policy Map
   B. Create the "class-default" Class Map
   C. Create a Policy Map
   D. Create Class Maps

Answer: B
Explanation: The 3-step MQC process consists of: (1) Creating class maps, (2) Creating a Policy Map, and (3) Applying the Policy Map. However, the "class-default" class map exists by default. You cannot create or delete it.

Video Reference: Applying QoS Policies

3. How many access categories does Wi-Fi Multimedia (WMM) have?

A. 4
B. 8
C. 16
D. 64

Answer: A
Explanation: Wi-Fi Multimedia (WMM) maps 8 IEEE 802.1P markings into 4 WMM access categories: AC_BK (Background), AC_BE (Best Effort), AC_VI (Video), and AC_VO (Voice).

Video Reference: Wireless QoS