



# 642-437<sup>Q&As</sup>

Implementing Cisco Unified Communications Voice over IP and QoS  
v8.0 (CVOICE v8.0)

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### QUESTION 1

Which three features are embedded in an RTP header? (Choose three.)

- A. payload type
- B. bandwidth type
- C. DSP
- D. packet size
- E. sequence number
- F. time stamp

Correct Answer: AEF

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### QUESTION 2

How does Packet Loss Concealment improve voice quality?

- A. Cisco Packet Loss Concealment technology decreases the voice sampling rate to 10 ms of the voice payload to smooth gaps in the voice stream.
- B. Packet Loss Concealment intelligently analyzes missing packets and generates a reasonable replacement packet to improve the voice quality.
- C. Packet Loss Concealment will buffer 20 to 50 ms of a voice stream to minimize lost or out-of- order voice packets.
- D. Packet Loss Concealment will compensate for packet loss rates between 1 and 5 percent by generating a reasonable replacement packet to improve the voice quality.

Correct Answer: B

Explanation: Packet loss concealment is a technology designed to minimize the practical effect of lost packets in VOIP. PLC mitigates against the effects of packet loss, which is the failure of one or more transmitted packets to arrive at their destination, by artificially regenerating the packet received prior to the lost one, followed by insertion of the duplicated packet into the gap. The digital value of the dropped packet is estimated by interpolation and an artificially generated packet inserted on that basis.

[http://www.cisco.com/en/US/partner/tech/tk652/tk698/technologies\\_tech\\_note09186a00800f6cf\\_8.shtml](http://www.cisco.com/en/US/partner/tech/tk652/tk698/technologies_tech_note09186a00800f6cf_8.shtml)

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### QUESTION 3

Which type of delay describes the amount of time it takes to place a frame onto a physical medium?

- A. propagation delay
- B. processing delay
- C. serialization delay



D. queuing delay

Correct Answer: C

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#### QUESTION 4

What is the function of the command `crypto pki trustpoint name` when you are configuring Cisco Unified Border Element for SRTP-RTP Internetworking?

- A. It declares the trustpoint that the router uses and enters CA-trustpoint configuration mode.
- B. It specifies the key pair to associate with the certificate.
- C. It specifies the enrollment parameters of a CA.
- D. It obtains the certificate for the router from the CA.

Correct Answer: A

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#### QUESTION 5

What are the PHBs that DiffServ use?

- A. resource reservation and admission control
- B. default, AF, and EF PHBs
- C. AF, EF, and CS PHBs
- D. AF and EF PHBs
- E. default, AF, EF, and CS PHBs

Correct Answer: E

Explanation: A Per Hop Behavior refers to the packet scheduling, queuing, policing, or shaping behavior of a node on any given packet belonging to a Behavior Aggregate, and as configured by a Service Level Agreement (SLA) or policy. To date, four standard PHBs are available to construct a DiffServ-enabled network and achieve coarse-grained, end-to-end CoS and QoS: The Default PHB, Class-Selector PHBs, Expedited Forwarding PHB and Assured Forwarding PHB.

[http://www.cisco.com/en/US/technologies/tk543/tk766/technologies\\_white\\_paper09186a00800a3e2f\\_ps6610\\_Products\\_White\\_Paper.html](http://www.cisco.com/en/US/technologies/tk543/tk766/technologies_white_paper09186a00800a3e2f_ps6610_Products_White_Paper.html)

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