



642-437^{Q&As}

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

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QUESTION 1

What is the decimal equivalent of the DSCP value AF21?

- A. 16
- B. 17
- C. 18
- D. 21

Correct Answer: C

Explanation: Assured Forwarding (AF) is a means to offer different levels of forwarding assurances for IP packets. Four AF classes are defined, where each AF class is in each DS node allocated a certain amount of forwarding resources

(buffer space and bandwidth). Within each AF class IP packets are marked with one of three possible drop precedence values. A congested node tries to protect packets with a lower drop precedence value from being lost by preferably

discarding packets with a higher drop precedence value. Classes 1 to 4 are referred to as AF classes. The following table illustrates the DSCP coding for specifying the AF class with the probability. Bits DS5, DS4 and DS3 define the class;

bits DS2 and DS1 specify the drop probability; bit DS0 is always zero.

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Drop	Class 1	Class 2	Class 3	Class 4
Low	001010 AF11 DSCP 10	010010 AF21 DSCP 18	011010 AF31 DSCP 26	100010 AF41 DSCP 34
Medium	001100 AF12 DSCP 12	010100 AF22 DSCP 20	011100 AF32 DSCP 28	100100 AF42 DSCP 36
High	001110 AF13 DSCP 14	010110 AF23 DSCP 22	011110 AF33 DSCP 30	100110 AF43 DSCP 38

http://www.cisco.com/en/US/tech/tk543/tk757/technologies_tech_note09186a00800949f2.shtml

QUESTION 2

When Cisco Unified Border Element is configured to support RSVP-based CAC, at which point during call setup are the

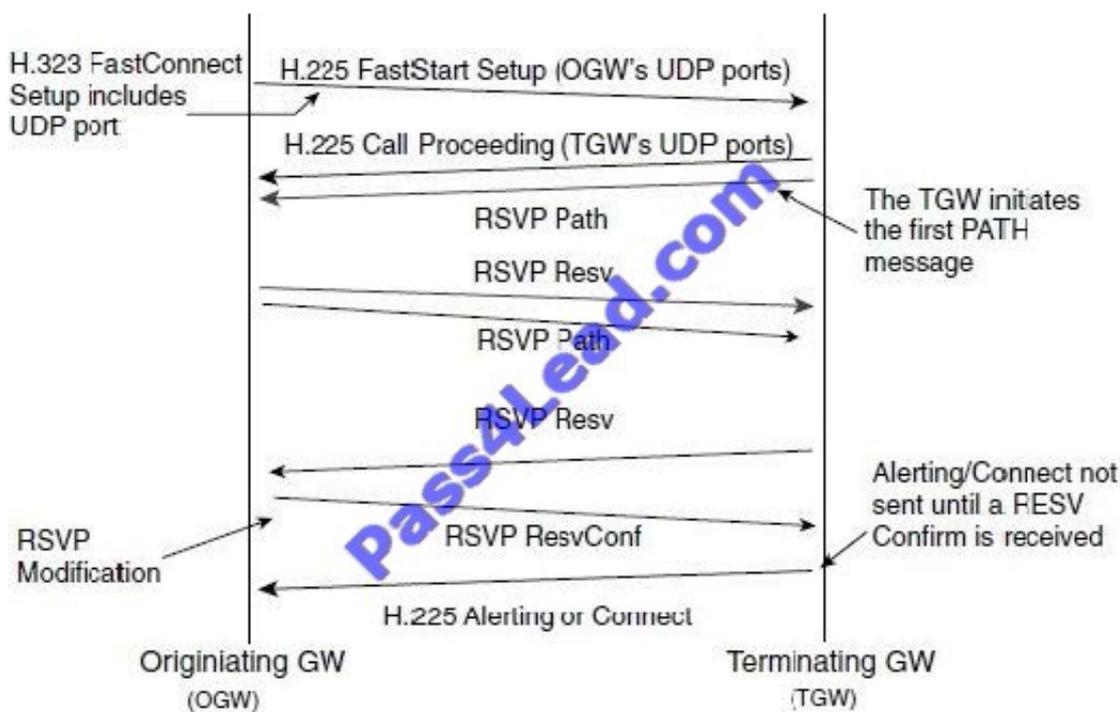


RSVP path and reservation messages sent and received?

- A. The path message is sent immediately after the call setup message is received and the reservation message is received after H.245 capabilities negotiation is completed.
- B. The reservation message is sent immediately after the call setup message is received and the path message is received after H.225 call setup messages have been sent.
- C. The path and reservation messages are sent and received after the H.245 capabilities negotiation is completed.
- D. The path and reservation messages are sent and received immediately after the call setup message is received.

Correct Answer: D

Explanation: The H.323 setup is suspended before the destination phone, triggered by the H.225 alerting message, starts ringing. The RSVP reservation is made in both directions because a voice call requires a two-way speech path and therefore bandwidth in both directions. The terminating gateway ultimately makes the CAC decision based on whether or not both reservations succeed. At that point the H.323 state machine continues either with an H.225 Alerting/Connect (the call is allowed and proceeds), or with an H.225 Reject/Release (call is denied). The RSVP reservation is in place by the time the destination phone starts ringing and the caller hears ringback.



QUESTION 3

Which process does a voice gateway use to determine how to route an outbound call?

- A. The voice gateway uses the called number to match the destination pattern of outbound dial peers using the first-match rule.
- B. The voice gateway uses the calling number to match the destination pattern of the outbound dial peers using the longest-match rule.



C. The voice gateway uses the first-match rule to match the calling number to the destination pattern of the outbound POTS and VoIP dial peers.

D. The voice gateway uses the longest-match rule to match the called number to the destination pattern to the outbound POTS or VoIP dial peers.

Correct Answer: D

QUESTION 4

Which command should you use to configure a Skinny Call Control Protocol directory number with an extension of 1003 and secondary number 9195551003?

A. number 1003 secondary 9195551003

B. number 1003 9195551003

C. extension 1003 9195551003

D. extension 1003 secondary 9195551003

Correct Answer: A

QUESTION 5

The router with the IP address of 10.1.120.1 needs to be configured to use the device 10.1.140.1 as the clock source. Which configuration command will accomplish this task?

A. clock source 10.1.140.1

B. ntp server 10.1.140.1

C. clock set 10.1.140.1

D. ntp source ip addr 10.1.140.1

E. ntp client 10.1.120.1 server 10.1.140.1

Correct Answer: B

Explanation: To configure your routers to use a NTP server for time synchronization, the command `ntp server`, followed by the IP address or hostname of the NTP server, is used. To specify additional timeservers for redundancy, simply repeat the `ntp server` command with the IP address of each additional server.

http://www.cisco.com/en/US/products/hw/switches/ps700/products_tech_note09186a008010e97_e.shtml

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