642-437^{Q&As}

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

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QUESTION 1

Which three commands does Cisco recommend to use first when setting up phones for Cisco Unified Communications Manager Express? (Choose three.)

A. load

B. keepalive

C. max-dn

D. max-ephones

E. create cnf files

F. telephony-service

Correct Answer: CDF

QUESTION 2

Drag the functions that are associated with H.245 from the list on the left to the boxes on the right.

Select and Place:

Correct Answer:

Drag the functions that are associated with H.245 from the list on the left to the boxes on the right.

	H.245
Used to establish connections between two H.323 endpoints.	Carries capabilities exchange information.
	Controls opening and closing of logical channels that are used to carry media streams.
Opens a signaling channel between an endpoint and a gatekeeper before any other channels.	Determines which endpoint is a master and which is a responder. It is used to resolve conflicts during the call.
Opens a call-signaling channel between two H.323 endpoints or between an endpoint and a gatekeeper.	

Explanation/Reference:

H.225 is responsible only for setting up the call and routing it to the proper destination. H.225 does not have any mechanism for exchanging capabilities or setting up and tearing down media streams. The called H.323 device is responsible for sending the IP address and port number that are used to establish the TCP connections for H.245 signaling. This information can be sent by the called device in either the Alerting or Connect message. When the originating H.323 device receives the IP address and port number for H.245 negotiations, it initiates a second TCP connection to carry out the necessary capabilities exchange and logical channel negotiations. This TCP session is primarily used to do four things: Master/slave determination-This is used to resolve conflicts that might exist when two endpoints in a call request the same thing, but only one of the two can gain access to the resource at a time. Terminal capabilities exchange-This is one of the most important functions of the H.245 protocol. The two most important capabilities are the supported audio codecs and the basic audio calls. Logical channel signaling-This indicates a one-way audio stream. With H.323 version 2, it is possible to open and close logical channels in the middle of a call. Because H.245 messages are independent of the H.225 signaling, a call can still be connected in H.225 even if no logical channels are open. This is typical with such features as hold, transfer, and conference. DTMF relay-Because voice networks typically do not carry DTMF tones inband because of compression issues, these tones are carried on the signaling channel. Ensure that the type of DTMF relay configured on your gateway is compatible with your gatekeeper. http://www.cisco.com/en/US/docs/ios/12_3/vvf_c/voice_troubleshooting/old/vts_h323.html#wp1068085

QUESTION 3

Which two signaling methods are supported on Cisco FXO and FXS ports? (Choose two.)

A. loop-start

B. ground-start

C. AMI

D. EandM

E. kewlstart

Correct Answer: AB

QUESTION 4

Which option inside DHCP pool configuration gives a TFTP server to a Cisco IP phone?

A. option 82

B. option 110

C. option 150

D. option 176

Correct Answer: C

QUESTION 5

Which three methods are used by a Cisco Unified Border Element to provide network hiding? (Choose three.)

A. Back-to-back user agent, replacing all SIP-embedded IP addressing

B. IP network security boundary

C. media flow-through

D. RSVP

E. IP network privacy

F. Intelligent IP address translation for RTP flows

Correct Answer: BEF

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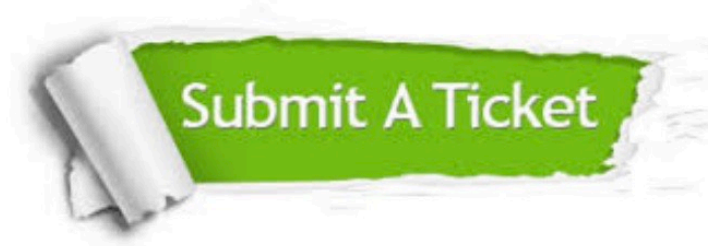Multi-Platform capabilities - Windows, Mac, Android, iPhone, iPod, iPad, Kindle

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