



# 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 types of voice ports allow a small office to provide outbound DNIS and inbound DID?

- A. FXS and FXO
- B. FXO and EandM
- C. FXS and FXS-DID
- D. FXS and EandM
- E. FXS-DID and FXO

Correct Answer: E

Explanation: An FXO trunk is one of the simplest analog trunks available. Because Dialed Number Information Service (DNIS) information can only be sent out to the PSTN, no direct inward dialing (DID) is possible. ANI is supported for inbound calls. Two signaling types exist, loopstart and groundstart, with groundstart being the preferred method. An FXS DID trunk can receive only inbound calls, thus a combination of FXS DID, and FXO ports is required for inbound and outbound calls [http://www.cisco.com/en/US/docs/voice\\_ip\\_comm/cucme/srnd/design/guide/gateway.html#wp1052323](http://www.cisco.com/en/US/docs/voice_ip_comm/cucme/srnd/design/guide/gateway.html#wp1052323)

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### QUESTION 2

Which QoS technology provides a strict priority queuing scheme that allows delay-sensitive data such as voice to be dequeued and sent before packets in other queues are dequeued, and also works with WFQ and CBWFQ.

- A. header compression
- B. IP RTP Priority and Frame Relay IP RTP Priority
- C. RSVP
- D. low latency queuing
- E. FRF.12

Correct Answer: B

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### QUESTION 3

Which QoS mechanism for VoIP works with weighted fair queuing (WFQ) and class-based weighted fair queuing (CBWFQ)?

- A. Header compression
- B. FRF.12
- C. IP RTP Priority and Frame Relay IP RTP Priority



D. Multilink PPP

E. RSVP

Correct Answer: C

**QUESTION 4**

Which command should you use when checking for phone registration status or verifying button assignments?

A. show IP phone

B. show ephone-dn 9

C. show ephone

D. show telephony-service

Correct Answer: C

**QUESTION 5**

Drag the appropriate IOS command from left and drop them in the spaces on the order to configure Cisco Unified Border Element. The ITSP does not support early offer. Not all boxes are used.

Select and Place:

Drag the appropriate IOS command from the left and drop them in the spaces on the right in order to configure Cisco Unified Border Element. The ITSP does not support early offer. Not all boxes are used.

allow-connections sip to h323	
registrar server	
call start fast	
allow-connections sip to sip	
voice service voip	
allow-connections h323 to sip	
sip	
call start interwork	
h323	

```

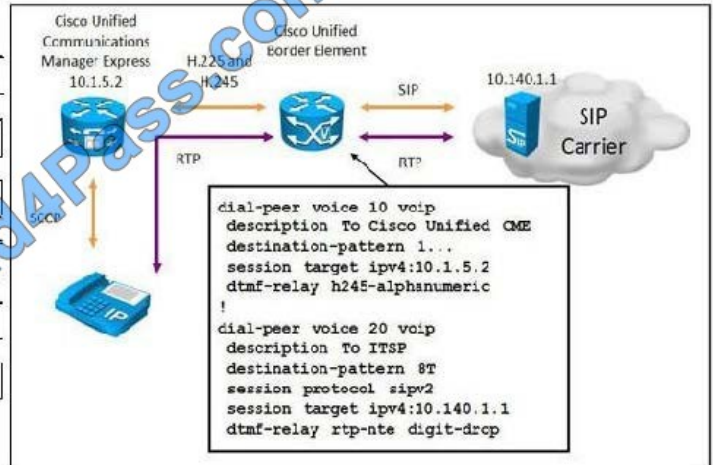
dial-peer voice 10 voip
description To Cisco Unified CME
destination-pattern 1...
session target ipv4:10.1.5.2
dtmf-relay h245-alphanumeric
!
dial-peer voice 20 voip
description To ITSP
destination-pattern 8T
session protocol sip2
session target ipv4:10.140.1.1
dtmf-relay rtp-nte digit-drop
  
```

Correct Answer:



Drag the appropriate IOS command from the left and crop them in the spaces on the right in order to configure Cisco Unified Border Element. The TSP does not support early offer. Not all boxes are used.

	voice service voip
registrar server	allow-connections sip to h323
call start fast	allow-connections h323 to sip
allow-connections sip to sip	h323
	call start interwork
	sip



Explanation/Reference:

Configuring an IP IP Gateway:

Call direction and translation section

voice service voip - Enters VoIP voice-service configuration mode

allow-connections from-type to to-type - Allows connections between specific types of endpoints in an Cisco Unified Border Element. Arguments are as follows:

- from-type - Type of connection. Valid values: h323, sip.
- to-type - Type of connection. Valid values: h323, sip.

Main protocol section

h323

call start interwork - Enables slow-start to fast-start interworking

sip

<http://www.cisco.com/en/US/docs/ios/voice/cube/configuration/guide/vb-gw-config.html>

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