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**CISCO 642-456**

**Implementing Cisco Unified Communications IP  
Telephony Part 2 (CIPT2 v6.0)**

**Version 2.3**

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**QUESTION NO: 1**

You are the Cisco Unified Communications Manager in Pass4sures.com. Your company uses a centralized call processing model to connect their saw mills in Albany and Columbus. Each mill is configured as a separate Location in Cisco Unified CallManager at HQ. Each Location has been configured with 256 Kbps of voice bandwidth. How many G.729 calls can be placed between Locations simultaneously?

- A. 8
- B. 9
- C. 16
- D. 10

**Answer: D**

**QUESTION NO: 2**

You are the Cisco Unified Communications Manager in Pass4sures.com. Pass4sures needs to have the receptionist at extension 5000 handle all callers who exit their auto attendant by pressing "0". After changing the Operator parameter from 5500 to 5000, callers are still sent to extension 5500 when they press "0" in the auto attendant. What needs to be done to correct this issue?

```
!  
application  
service aa flash: its-CISCO.2.0.1.0.tcl  
  paramspace english index 0  
  paramspace english language en  
  param operator 5000  
  paramspace english location flash:  
  paramspace english prefix en  
  param aa-ilot 5999  
!  
! Output omitted  
!  
dial-peer voice 1 pots  
  service aa  
  incoming called-number 5999  
!
```

- A. Restart Dial peer 1.
- B. You should edit the application needs to point to the correct operator.
- C. Reload the aa application to recognize the parameter changes.
- D. You should reload the gateway for application changes to take effect.

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**Answer: C**

**QUESTION NO: 3**

Identify the two correct mappings of application-protocol-security features. (Choose two.) (Source: Understanding Cisco IP Telephony Authentication and Encryption Fundamentals)

- A. secure media-SRTP-privacy, confidentiality, security
- B. secure media-SRTP-privacy, integrity
- C. secure signaling-SRTP-device authentication, integrity
- D. secure signaling-TLS-device authentication, integrity, privacy

**Answer: B,D**

**QUESTION NO: 4**

What are two requirements for configuring an Intercluster Trunk (gatekeeper-controlled) in Cisco Unified Communications Manager? (Choose two.)

- A. The assigned name must be unique within the cluster.
- B. The Intercluster Trunk must have the same name in both clusters.
- C. The Cisco Unified Communications Manager group in the assigned device pool will determine which Cisco Unified Communications Manager systems register with the gatekeeper.
- D. The IP addresses of Cisco Unified Communications Manager systems in the remote cluster must be specified.
- E. The gatekeeper must be defined in Cisco Unified Communications Manager before the intercluster trunk is added.
- F. RSVP must be enabled to provide CAC between clusters.

**Answer: C, E**

**QUESTION NO: 5**

What does the icon of a video camera on the Cisco IP phone screen status line mean? (Source: Configuring Cisco Unified Video Advantage)

- A. The Cisco IP phone is configured with video capabilities.

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- B. The Cisco IP phone is receiving a video call.
- C. The Cisco VT Camera is connected to the PC, and the PC is connected to the Cisco IP phone.
- D. The Cisco IP phone has web access.

**Answer: A**

### QUESTION NO: 6

With Mobile Voice Access configured, if the PSTN user dials 4085556789 what should the Mobile Voice Access Directory Number be under Media Resources based on the following information?

```
application
service CCM http://192.168.100.1:8080/ccmivr/pages/IVRMainpage.vxml

dial-peer voice 5551 voip
destination-pattern 4085551234
session target ipv4:192.168.100.1
dtmf-relay h245-alphanumeric
no vad
!
dial-peer voice 1111 pots
service ccm
incoming called-number 4085556789
direct-inward-dial
port 1/0:23
```

- A. 4085556789
- B. 1234
- C. 4085551234
- D. 6789

**Answer: C**

### QUESTION NO: 7

The relationship between a Region and a Location is that the codec parameter configured in the Region is only used between Regions and Location bandwidth is only used between Locations.

- A. TRUE

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B. FALSE

**Answer: A**

**QUESTION NO: 8**

What is the most likely reason if IP phones need more than 3 minutes to register with the SRST gateway?

- A. The Keepalive timer is too long.
- B. The Keepalive timer is too short..
- C. Each phone has a list of two alternate Cisco Unified Communications Manager systems, and it tries to register with each before registering with the SRST gateway.
- D. The SRST gateway is an MGCP gateway, and it must stop the MGCP process and switch over to the default H.323 process before the SRST process can be initiated.

**Answer: C**

**QUESTION NO: 9**

Which three tasks are performed to install an encrypted configuration file in a phone? (Choose three.) (Source: Configuring Cisco IP Telephony Authentication and Encryption)

- A. Configure the CAPF to issue a certificate to the phone.
- B. Enter the key into the phone.
- C. Set the cluster security mode to Secure.
- D. Set the TFTP Encrypted Configuration enterprise parameter to True.

**Answer: B,C,D**

**QUESTION NO: 10**

Where are IP phone security settings configured? (Source: Hardening the IP Phone)

- A. Product Specific Configuration
- B. Phone Configuration
- C. Directory Number Configuration
- D. Phone Security Configuration

**Answer: A**

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**QUESTION NO: 11**

You are the Cisco Unified Communications Manager in Pass4sures.com. Which feature addresses the issues with AAR for mobile users in Cisco Unified Communications Manager?

- A. Mobile Voice for Access
- B. Extension Mobility
- C. Mobile Connect
- D. Device Mobility

**Answer: D**

**QUESTION NO: 12**

Into which port should the PC with Cisco Unified Video Advantage client software installed be plugged? (Source: Configuring Cisco Unified Video Advantage)

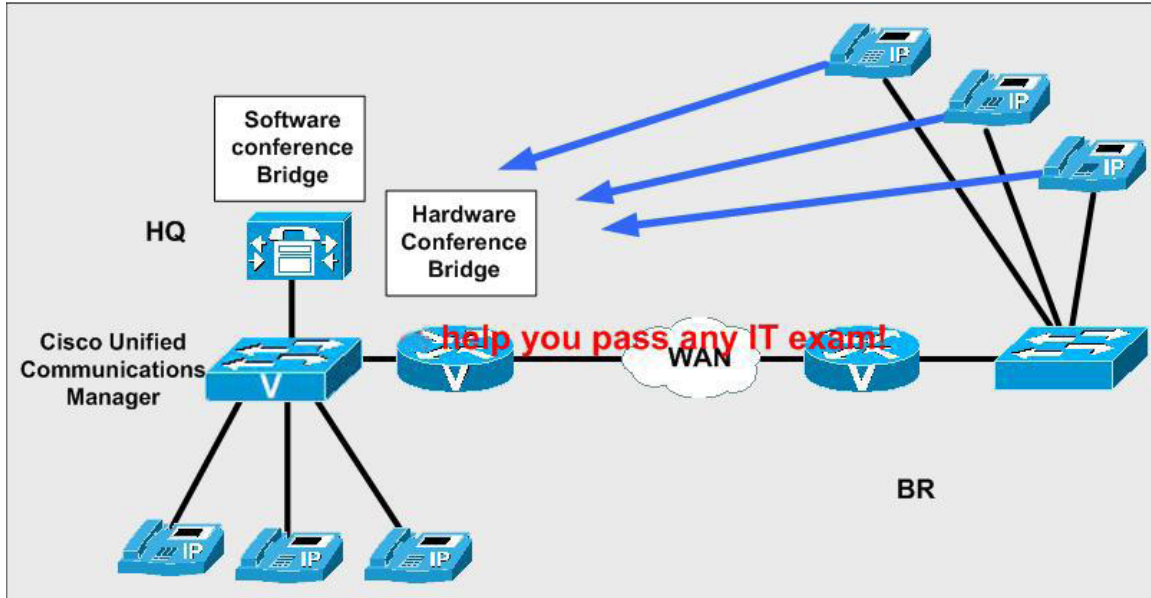
- A. Cisco IP phone access port
- B. MCU port
- C. videoconferencing port
- D. Cisco Catalyst switch port

**Answer: A**

**QUESTION NO: 13**

You are the Cisco Unified Communications Manager in Pass4sures.com.. Your CEO at HQ holds a weekly meeting with three members of his staff that are located at BR. If the CEO hosts the conference using conferencing resources at HQ, how many audio streams will cross the IP WAN?

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- A. 5
- B. 4
- C. 2
- D. 3

Answer: D

**QUESTION NO: 14**

Refer to the exhibit. On an H.323 gateway, the calls from the IP network to the PSTN are working but the inbound calls are not. Which command will you use to correct this issue?

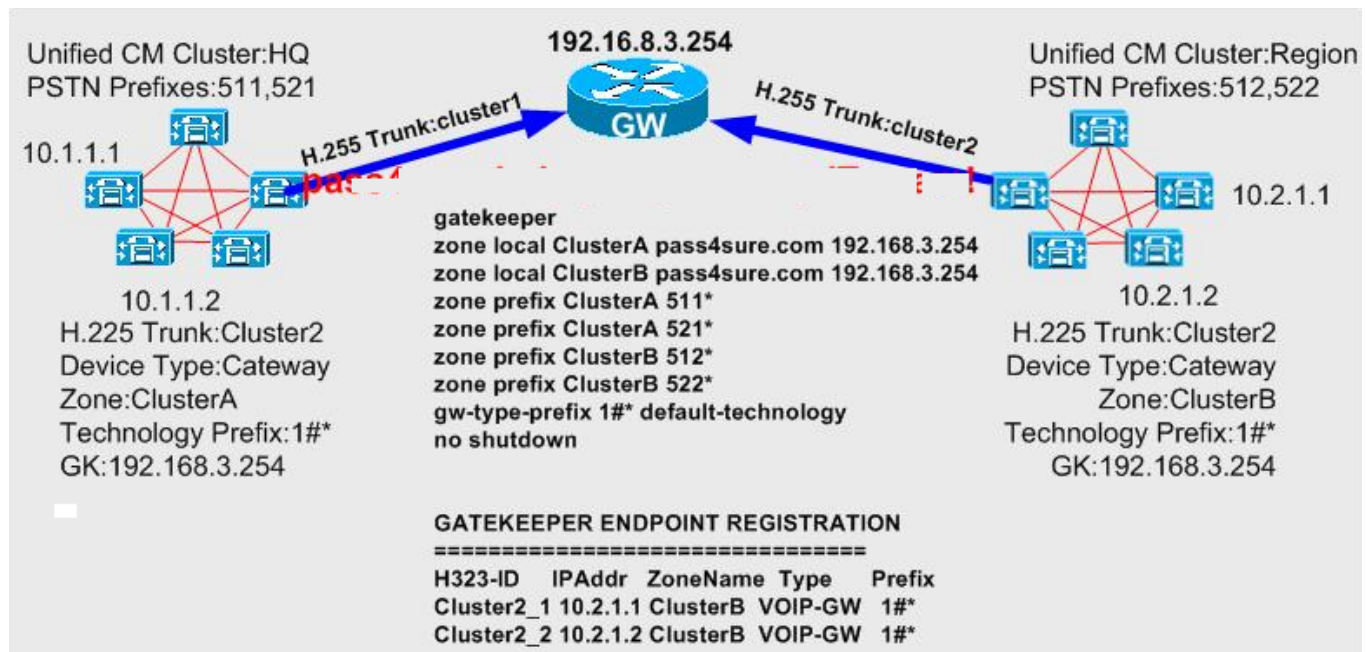
```
001881: *Jun 28 19:57:59.209 UTC:
//267/AD48528C80D0/CCAPI/cc_api_call_disconnected:
Call Entry(Responded=TRUE, Cause Value=38, Retry Count=0)
```

- A. destination-pattern
- B. session target
- C. bind srcaddr
- D. session preference
- E. session gateway
- F. session connect

Answer: C

**QUESTION NO: 15**

You are the Cisco Unified Communications Manager in Pass4sures.com.. You have configured H.225 gatekeeper controlled trunks from the HQ and Region clusters. When you use the show gatekeeper endpoint command the trunks for Region cluster show up but not the trunks from HQ. What is most likely reason?



- A. The names of the two H.225 trunks in the trunk configuration for Cluster 1 and Cluster 2 need to be different.
- B. The IP address for each H.225 trunk is set wrong.
- C. The technology prefix for the two clusters has to be different for the H.225 trunks to register properly with the gatekeeper.
- D. The zone name for the HQ cluster has to be the same

**Answer: A**

**QUESTION NO: 16**

Which statement about hash functions is true? (Source: Understanding Cryptographic Fundamentals)

- A. A hash digest can never be used to generate the hashed data.
- B. Data can be encrypted if hashed with a secret key.
- C. AES can use SHA-1 for data encryption.



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D. It is computationally difficult to generate the hashed data from a hash digest.

**Answer: A**

**QUESTION NO: 17**

You are the Cisco Unified Communications Manager in Pass4sures.com. You place a call from encrypted IP phone A to authenticated IP phone B. Which security mode will be used for this call?

- A. authenticated
- B. encrypted
- C. nonsecure
- D. encrypted and authenticated

**Answer: A**

**QUESTION NO: 18**

To enable video calls with a requested speed of 256 kbps, what would the recommended bandwidth setting be on Cisco Unified CallManager locations? (Source: Introducing IP Video Telephony)

- A. 256 kbps
- B. 281.6 kbps
- C. 512 kbps
- D. 307.2 kbps

**Answer: A**

**QUESTION NO: 19**

Which two statements about LSCs are correct? (Choose two.) (Source: Configuring Cisco IP Telephony Authentication and Encryption)

- A. On a Cisco Unified IP Phone 7960, an LSC has priority over a MIC.
- B. The Certificate Operation field of the CAPF can be set to Install/Upgrade, Delete, Troubleshoot, or No Pending Operation.
- C. CAPF authentication can be configured to be done by authentication string, null string, or existing certificates.
- D. On a Cisco Unified IP Phone 7970, a MIC has priority over an LSC.

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**Answer:** B,C

**QUESTION NO:** 20

Which two statements about voice applications are true? (Choose two.)

- A. A gateway cannot support both Tcl and VXML applications.
- B. A Tcl license must be purchased in order to run custom applications.
- C. VXML applications can utilize existing web server and application logic.
- D. Customers can purchase a Cisco support contract for application development.
- E. Customer developed Tcl scripts must be compiled in order to use the Cisco proprietary Tcl IVR 2.0 extensions.

**Answer:** C, D

**QUESTION NO:** 21

You are the Cisco Unified Communications Manager in Pass4sures.com. Your company has two large offices, one in New York and one in Los Angeles. They would like to place calls between the two facilities over the IP WAN through H.323 gateways and a gatekeeper. Each office has a three-digit site code and users dial five-digit extensions. Which configuration component(s) will the gatekeeper use to route calls?