

300-080

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Troubleshooting Cisco IP Telephony & Video v1.0

Version 4.0

Exam C**QUESTION 1**

You configured a Cisco ISR G2 as a SIP gateway, but the gateway does not show that it is registered with Cisco Unified Communications Manager. What is causing this issue?

- A. Cisco Unified Communications Manager does not support SIP gateways.
- B. The gateway does not have the UC license installed.
- C. The gateway does not have Cisco Unified Border Element session licensing.
- D. Cisco Unified Communications Manager does not show a SIP gateway as registered if it is not properly configured.
- E. Cisco Unified Communications Manager never shows a SIP gateway as registered even when it is properly configured.
- F. The Cisco ISR G2 cannot be a SIP gateway.

Correct Answer: E

Section: (none)

Explanation

Explanation/Reference:

QUESTION 2

Which issue would cause an MGCP gateway to fail to register with Cisco Unified Communications Manager?

- A. missing the configuration command `isdn bind-l3 ccm-manager` under the ISDN interface
- B. mismatched domain name on the MGCP gateway and Cisco Unified Communications Manager gateway configuration
- C. misconfigured route group in Cisco Unified Communications Manager
- D. incorrect MGCP IP address specified in the gateway configuration in Cisco Unified Communications Manager

Correct Answer: B

Section: (none)

Explanation

Explanation/Reference:

QUESTION 3

Endpoints are configured for both H.323 and SIP using the same URI and Cisco VCS settings, but the endpoints register only as H.323 endpoints. What is causing this issue?

- A. A firewall is blocking all traffic from the endpoints to the Cisco VCS.

- B. The Cisco VCS has no SIP domains configured.
- C. The Cisco VCS is blocking the endpoints because of duplicate ID entries.
- D. The endpoints do not have the SIP option key installed.
- E. SIP does not work, because SIP is used for Cisco Unified Communications Manager registration only.

Correct Answer: B

Section: (none)

Explanation

Explanation/Reference:

QUESTION 4

You are trying to register an H.323-based Cisco TelePresence system to Cisco Unified Communications Manager and a Cisco DX70 system to the Cisco VCS Control. Why do neither of the units want to register?

- A. The H.323-based system needs an E164 number to register to Cisco Unified Communications Manager, and the Cisco DX70 needs to have the MAC address configured first on the Cisco VCS Control.
- B. The H.323-based system needs to register to the Cisco VCS Control with an E.164 number, and the Cisco DX70 needs the TFTP address to register on the Cisco Unified Communications Manager.
- C. Both systems need to register to the Cisco VCS Control, but the H.323-based system needs to have the gatekeeper setting set to "Direct."
- D. Both systems need to register to the Cisco Unified Communications Manager, as the Cisco VCS Control is used only for firewall traversal.
- E. You need Cisco TelePresence Management Suite to register Cisco TelePresence systems.
- F. You need Cisco TelePresence Server to register Cisco TelePresence systems.

Correct Answer: B

Section: (none)

Explanation

Explanation/Reference:

QUESTION 5

To maintain proper database integrity, what is the recommended maximum round-trip delay between multiple Cisco VCS appliances in a cluster?

- A. 10 ms
- B. 15 ms
- C. 25 ms
- D. 30 ms

- E. 50 ms
- F. 80 ms

Correct Answer: D

Section: (none)

Explanation

Explanation/Reference:

QUESTION 6

When a database replication issue is suspected, which three tools can be used to check the database replication status? (Choose three.)

- A. Cisco Unified Communications Manager RTMT tool
- B. Cisco Unified Communications Manager Serviceability interface
- C. Cisco Unified Reporting
- D. Cisco Unified Communications Manager CLI interface
- E. Cisco IP Phone Device Stats from the Settings button
- F. Cisco Unified OS Administration interface

Correct Answer: ACD

Section: (none)

Explanation

Explanation/Reference:

QUESTION 7

You must integrate a third-party H.323 system with your existing Cisco Unified Communications Manager cluster. When you create an H.323 trunk from the cluster, calls from the cluster to the third-party H.323 system are failing. The vendor of the third-party H.323 device has confirmed that the H.323 call setup time must be reduced. Which two approaches reduce the call setup time from Cisco Unified Communications Manager to the third-party H.323 device? (Choose two.)

- A. Implement a software MTP.
- B. Implement a hardware MTP.
- C. Implement transcoding with the router DSP resources.
- D. Implement transcoding with the Cisco Unified Communications Manager resources.

Correct Answer: AB

Section: (none)

Explanation**Explanation/Reference:****QUESTION 8**

Which of these reasons can cause intrasite calls within a Cisco Unified Communications Manager cluster to fail?

- A. The route partition that is configured in the CCD requesting service is not listed in the calling phone CSS.
- B. The trunk CSS does not include the partition for the called directory number.
- C. The MGCP gateway is not registered.
- D. The calling phone does not have the correct CSS configured.
- E. The calling phone does not have the correct partition configured.

Correct Answer: D

Section: (none)

Explanation**Explanation/Reference:****QUESTION 9**

Refer to the exhibit.

| Pattern Definition | |
|--|--|
| Translation Pattern | 2XXX |
| Partition | Internal_Pt |
| Description | |
| Numbering Plan | < None > |
| Route Filter | < None > |
| MLPP Precedence* | Default |
| Resource Priority Namespace Network Domain | < None > |
| Route Class* | Default |
| Calling Search Space | Vml.CSS |
| External Call Control Profile | < None > |
| Route Option | <input type="radio"/> Route this pattern <input checked="" type="radio"/> Block this pattern No Error |

All phones are placed in the Internal_Pt partition. The CSS for all phones contains the partition Internal_Pt, and Vml.CSS contains the voicemail hunt pilot. When a call is placed from extension 2001 to 2002, which statement is true?

- A. Extension 2002 will ring.
- B. The call will be blocked.
- C. The call will be answered by voicemail.
- D. Extension 2002 will ring, and if the call is not answered, the call will match the translation pattern and then be blocked.
- E. Extension 2002 will ring, and if the call is not answered, the call will match the translation pattern and then be forwarded to voicemail.

Correct Answer: A

Section: (none)

Explanation

Explanation/Reference:

QUESTION 10

When a remote endpoint dials in to join a conference that is configured on a Cisco TelePresence Server bridge, the endpoint receives only audio. Other users can successfully join the call with Voice and Video.
What is causing this issue?

- A. The endpoint does not have the multisite option installed.
- B. The endpoint does not have the partition of the bridge in its CSS.
- C. The bridge is out of all licenses.
- D. The endpoint is assigned a region without enough configured bandwidth for video.
- E. The bridge is not able to host video calls.

Correct Answer: D

Section: (none)

Explanation

Explanation/Reference:

QUESTION 11

Cisco TelePresence System EX90-A and EX90-B are in a call. EX90-A tries to call EX90-C. When the call is dialed, EX90-B is put on hold. EX90-A and EX90-C are connected, but there is no merge button on the touch panel. What is causing this issue?

- A. The multisite option key is missing.
- B. The multisite configuration is missing.
- C. The conference option key is missing.
- D. The conference configuration is missing.
- E. CiscoTelePresence systems cannot make multipoint calls without a Cisco TelePresence Server.
- F. The multipoint option key is missing.

Correct Answer: A

Section: (none)

Explanation

Explanation/Reference:

QUESTION 12

Which statement indicates something that can cause an inbound PSTN call to an H.323 gateway that is configured in Cisco Unified Communications Manager to fail to ring an IP phone?

- A. The gateway is not registered in Cisco Unified Communications Manager.

- B. The gateway IP address that is configured in Cisco Unified Communications Manager does not match the IP address that is configured at the gateway in the h323-gateway voip bind srcaddr command.
- C. The Cisco Unified Communications Manager does not have a matching route pattern to match the called number.
- D. The gateway is missing the command allow-connections h323 to h323 under the voice service voip configuration.

Correct Answer: B

Section: (none)

Explanation

Explanation/Reference:

QUESTION 13

Some users report that they cannot dial out from headquarters on their Cisco IP Phones to PSTN users, but others can. Which troubleshooting approach is the most direct to isolate the source of the failure of the users that cannot dial out to the PSTN?

- A. Use DNA to analyze the dialing permissions of the Cisco IP Phones.
- B. Use DNA to generate actual calls to the PSTN.
- C. Use RTMT to analyze the dialing permissions of the Cisco IP Phones.
- D. Use RTMT to generate actual calls to the PSTN.

Correct Answer: A

Section: (none)

Explanation

Explanation/Reference:

QUESTION 14

You have been presented with a trouble ticket from an end user who works at a remote location that is served by a Cisco Unified Communications Manager Express. The user reports being unable to place calls to international numbers, but all other calls work properly and other users at this location can place international calls. Which two troubleshooting techniques would be helpful in resolving this issue? (Choose two.)

- A. Cisco IOS debug tools
- B. Class of Restriction baseline configuration for the user on Cisco Unified Communications Manager Express
- C. show output of the ephone and ephone-dn configurations
- D. show output of the voice translation rules in the voice gateway
- E. show output for the T1 controller and voice port configuration in the voice gateway

Correct Answer: AB

Section: (none)

Explanation

Explanation/Reference:

QUESTION 15

Which Cisco Unified Communications Manager troubleshooting tool can be used to determine the digit manipulation path a call takes within the Cisco Unified Communications Manager system from the perspective of a specific directory number, without having the actual device at hand?

- A. Cisco Unified Communications Manager Serviceability
- B. Cisco Unified Communications Manager Dialed Number Analyzer
- C. Cisco Unified Communications Manager Real Time Monitoring Tool
- D. Cisco Unified Syslog Viewer
- E. Cisco IOS debugs

Correct Answer: B

Section: (none)

Explanation

Explanation/Reference:

QUESTION 16

During a business-to-business video call through the Cisco Expressway solution, the internal endpoint can call out to the remote endpoint on the Internet, but it does not receive audio or video. The remote endpoint receives both audio and video. What is causing the issue?

- A. The Cisco Expressway does not have a Rich Media Session license.
- B. The firewall is blocking SIP signaling.
- C. The Cisco Unified Communications Manager is not configured for business-to-business calling.
- D. The firewall is blocking inbound RTP ports.
- E. The Advanced Networking option is not installed on the Expressway Edge.

Correct Answer: D

Section: (none)

Explanation

Explanation/Reference:

QUESTION 17

System A at Company 1 is calling System B at Company 2. The call completes, but only audio and video are present on System A from System B. What are three possible causes? (Choose three.)

- A. System A cannot call System B because it is at a different company.
- B. There is a firewall in the path that is blocking audio and video traffic from Company 1 to Company 2.
- C. The firewall at Company 1 is blocking outgoing traffic.
- D. An access list is blocking video and audio somewhere in the video and audio path between System A and System B.
- E. System A has turned off the camera and the microphone.

Correct Answer: BDE

Section: (none)

Explanation

Explanation/Reference:

QUESTION 18

Which tool allows the administrator to analyze call routing in Cisco Unified Communications Manager without physically placing a call?

- A. Cisco Unified Communications Manager Dialed Number Analyzer
- B. Cisco IOS Gateway debug commands
- C. Cisco Unified Communications Manager RTMT trace output
- D. base configuration information for this user that specifies Class of Restriction, Partition, and Calling Search Space information
- E. Cisco Unified Communications Manager Serviceability tools
- F. Cisco Unified Communications Manager OS Administration

Correct Answer: A

Section: (none)

Explanation

Explanation/Reference:

QUESTION 19

In a SAF deployment, the registration status looks correct and the learned patterns appear reachable, but calls are not routed. What is causing this issue?

- A. network connection failure between the SAF Forwarder and Cisco Unified Communications Manager
- B. network connection failure between the primary and backup SAF Forwarders

- C. TCP connection failure with the primary SAF Forwarder
- D. TCP connection failure with the backup SAF Forwarder

Correct Answer: A

Section: (none)

Explanation

Explanation/Reference:

QUESTION 20

Refer to the exhibits.

| Learned Pattern | | | | | | |
|-----------------|---------------------|-----------|----------|---------------|------------------|-------------|
| | | | | Select a Node | CUCM801Pub1 ▼ | |
| Pattern | TimeStamp | Status | Protocol | AgentId | IP Address | ToDID |
| 3XXX | 2010/04/03 13:55:55 | Reachable | SIP | CID10.1.5.11 | 10.1.5.11(5060) | 0:+44228822 |
| 3XXX | 2010/04/03 13:55:55 | Reachable | H323 | CID10.1.5.11 | 10.1.5.11(54532) | 0:+44228822 |

Pattern Definition

Route Pattern*

Route Partition

Description

Numbering Plan

Route Filter

MLPP Precedence*

Resource Priority Namespace Network Domain

Route Class*

Gateway/Route List* [\(Edit\)](#)

Route Option

☐ Route this pattern

☒ Block this pattern

Call Classification*

☐ Allow Device Override ☒ Provide Outside Dial Tone ☐ Allow Overlap Sending ☐ Urgent Priority

☐ Require Forced Authorization Code

Authorization Level*

Assume that all learned SAF routes are placed in the SAF_Pt partition. An IP phone CSS contains the following partitions in this order: Internal_Pt, SAF_Pt. When the IP phone places a call to 3001, what will occur?

- A. The call will succeed and will be placed via the SAF network. SAF-learned routes always take precedence.
- B. The call will fail because it will be blocked by the route pattern.
- C. The call will be placed in a round-robin fashion between the SAF network and SIP_Trunk.
- D. The call will be placed in a round-robin fashion between the SAF network and SIP_Trunk. Every other call will fail.

Correct Answer: B

Section: (none)

Explanation

Explanation/Reference:

QUESTION 21

Refer to the exhibits.

| Pattern Definition | |
|--|--|
| Route Pattern* | 3XXX |
| Route Partition | Internal_Pt |
| Description | |
| Numbering Plan | -- Not Selected -- |
| Route Filter | < None > |
| MLPP Precedence* | Default |
| Resource Priority Namespace Network Domain | < None > |
| Route Class* | Default |
| Gateway/Route List* | SIP_Trunk (Edit) |
| Route Option | <input checked="" type="radio"/> Route this pattern <input type="radio"/> Block this pattern No Error |
| Call Classification* | OffNet |
| <input type="checkbox"/> Allow Device Override <input checked="" type="checkbox"/> Provide Outside Dial Tone <input type="checkbox"/> Allow Overlap Sending <input type="checkbox"/> Urgent Priority | |

| Purge and Block SAF CCD Learned Routes Information | |
|--|------|
| Learned Pattern | 3XXX |
| Learned Pattern Prefix | |
| Remote Call Control Identity | |
| Remote IP | |

Assume that all learned SAF routes are placed in the SAF_Pt partition. The 3XXX directory number pattern is being advertised by a remote cluster and is also being blocked by the local cluster that is shown in the exhibit. An IP phone is attached to the local cluster and is configured with a CSS that contains the following partitions: SAF_Pt and Internal_Pt in this order. When the IP phone places a call to 3001, what will occur?

- A. The call will succeed and will be placed via the SIP_Trunk.
- B. The call will fail because it will be blocked by the CCD Blocked Learned Route configuration.
- C. The call will be placed in a round-robin fashion between the SAF network and SIP_Trunk.
- D. The call will placed in a round-robin fashion between the SAF network and SIP_Trunk. Every other call will fail.

Correct Answer: A

Section: (none)

Explanation

Explanation/Reference:

QUESTION 22

When dialing any external SIP URI for a business-to-business call, an endpoint that is registered to the Cisco VCS Control fails to locate the remote endpoint. The same endpoint can successfully call another endpoint that is registered to the Cisco VCS Expressway. How do you resolve this issue?

- A. Add traversal call licensing on the Cisco VCS Expressway.
- B. Add traversal call licensing on the Cisco VCS Control.
- C. Add a multisite option to the endpoint.
- D. Configure a proper DNS zone on the Cisco VCS Expressway.
- E. Configure a traversal zone between the Cisco VCS Control and the Cisco VCS Expressway.
- F. Configure a SIP route pattern in Cisco Unified Communications Manager.

Correct Answer: D

Section: (none)

Explanation

Explanation/Reference:

QUESTION 23

Which CLI command monitors ILS replication progress?

- A. `utils ils findxnode`
- B. `utils ils show peer info`
- C. `utils ils showpeerinfo`
- D. `utils ils lookup`

Correct Answer: C

Section: (none)

Explanation

Explanation/Reference:

QUESTION 24

When parsing trace output after the call routing decision and path selection have been made, which two records can be found in the CCM|RouteList?
(Choose two.)

- A. PretransfromDigitString
- B. CallingPartyNumber
- C. PretransformCallingPartyNumber
- D. RouteListName
- E. findLocalDevice
- F. RouteListCdrc :

Correct Answer: DF

Section: (none)

Explanation

Explanation/Reference:

QUESTION 25

Refer to the exhibit.


```
*Mar 24 16:17:54.190: ISDN Se0/0/0:15 Q931: RX <- SETUP pd = 8 callref = 0x00AA
  Bearer Capability i = 0x8090A3
    Standard = CCITT
    Transfer Capability = Speech
    Transfer Mode = Circuit
    Transfer Rate = 64 kbit/s
  Channel ID i = 0xA98381
    Exclusive, Channel 1
  Progress Ind i = 0x8183 - Origination address is non-ISDN
  Calling Party Number i = 0x1180, '4940302156001'
    Plan:ISDN, Type:International
  Called Party Number i = 0x81, '2288223001'
    Plan:ISDN, Type:Unknown
*Mar 24 16:17:54.210: ISDN Se0/0/0:15 Q931: TX -> RELEASE_COMP pd = 8 callref =
  0x80AA
  Cause i = 0x8081 - Unallocated/unassigned number
```

The exhibit shows the output of debug isdn q931. An inbound PSTN call was received by a SIP gateway that is reachable via a SIP trunk that is configured in Cisco Unified Communications Manager. The call failed to ring extension 3001. If the phone at extension 3001 is registered and reachable through the gateway inbound CSS, which three actions can resolve this issue? (Choose three.)

- A. Change the significant digits for inbound calls to 4 on the SIP trunk configuration in Cisco Unified Communications Manager.
- B. Configure the digit strip 4 on the SIP trunk under Incoming Called Party Settings in Cisco Unified Communications Manager.
- C. Configure a translation pattern in Cisco Unified Communications Manager that can be accessed by the trunk CSS to truncate the called number to four digits.
- D. Configure a called-party transformation CSS on the gateway in Cisco Unified Communications Manager that includes a pattern that transforms the number from ten digits to four digits.
- E. Configure a voice translation profile in the SIP Cisco IOS gateway with a voice translation rule that truncates the number from ten digits to four digits.
- F. Configure the Cisco IOS command num-exp 2288223001 3001 on the gateway ISDN interface.

Correct Answer: ACE

Section: (none)

Explanation

Explanation/Reference:**QUESTION 26**

When a user attempts to log out from Cisco Extension Mobility service by pressing the services button and selecting the Cisco Extension Mobility service, the user is not able to log out. What is causing this issue?

- A. The Cisco Extension Mobility service has not been configured on the phone.
- B. The user device profile is not subscribed to the Cisco Extension Mobility service.
- C. The CTI service is not running.
- D. The logout URL that is defined for the Cisco Extension Mobility service is incorrect or does not exist under the IP Phone Services configuration.

Correct Answer: B

Section: (none)

Explanation

Explanation/Reference:**QUESTION 27**

Which two statements indicate something that can cause an IP phone to fail roaming when device mobility has been configured? (Choose two.)

- A. Device Mobility Mode is set to Off in the Cisco Unified Communications Manager service parameters while the device mobility configuration on the phone is set to default.
- B. No device mobility groups have been configured.
- C. No locations have been configured and assigned to the device pools.
- D. No physical locations have been configured and assigned to the device pools.
- E. No device mobility-related information settings were configured under the device pools.

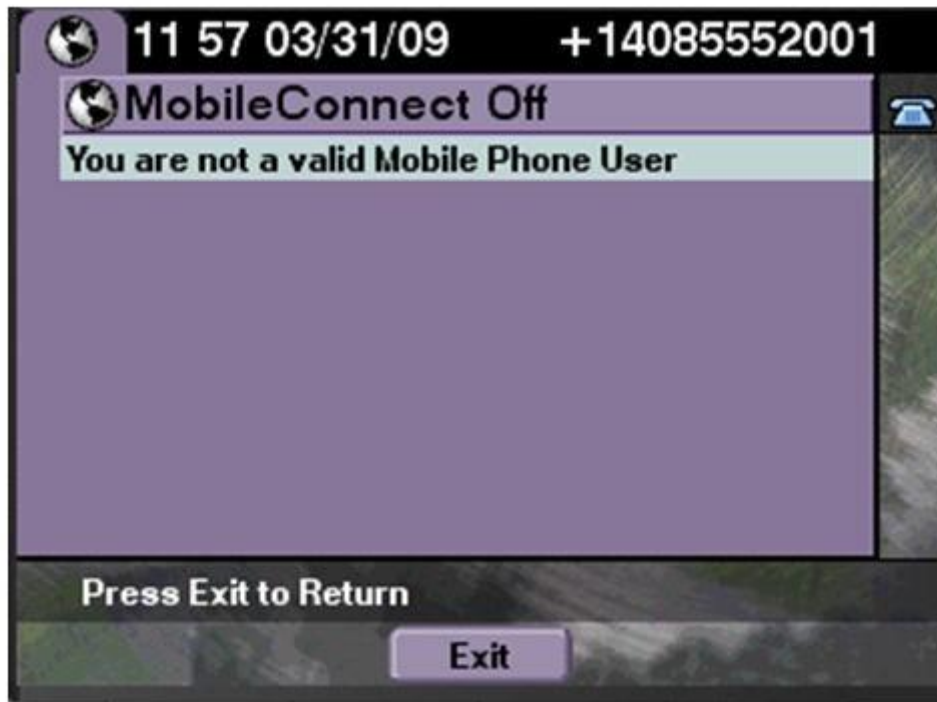
Correct Answer: AD

Section: (none)

Explanation

Explanation/Reference:**QUESTION 28**

Refer to the exhibit.



Which course of action will resolve the Mobile Connect issues that are shown in the exhibit?

- A. Configure the Mobility softkey on the phone.
- B. Enable the user for Cisco Mobile Connect.
- C. Make the user an owner of the phone device in the phone device configuration page.
- D. Enable the device mobility mode on the phone since it is disabled.

Correct Answer: C

Section: (none)

Explanation

Explanation/Reference:

QUESTION 29

Cisco Unified Mobile Connect has been enabled, but users are not able to switch an in-progress call from their mobile phone to their desk phone. You

find out that the Resume softkey option does not appear on the desk phone after users hang up the call on their mobile phone. What do you do to resolve this issue?

- A. Issue the progress_ind progress disable command in the gateway.
- B. Issue the voice call disc-pi-off command in the gateway.
- C. Enable mobile connect on the user profile.
- D. Assign Resume softkey on the desk phone.

Correct Answer: B

Section: (none)

Explanation

Explanation/Reference:

QUESTION 30

You enabled Cisco Unified Mobile Connect for a user, but the user is unable to send calls to a mobile phone from the desk phone. What do you do to resolve the issue?

- A. Restart the phone, and verify that the key is present.
- B. Under User Management > User, make sure that the Mobility option is selected.
- C. Make sure that the phone is subscribed to Extension Mobility.
- D. Add the mobility key to the softkey template that the phone is currently using.

Correct Answer: D

Section: (none)

Explanation

Explanation/Reference:

QUESTION 31

Refer to the exhibit.

```
hostname HQ
!
card type e1 0 0
!
network-clock-participate wic 0
!
isdn switch-type primary-net5
!
voice-card 0
!
sccp local GigabitEthernet0/0.110
sccp ccm 10.1.5.10 identifier 1 version 7.0
sccp
!
sccp ccm group 1
associate ccm 1 priority 1
associate profile 1 register HQ_Conf
!
dspfarm profile 1 conference
maximum conference-participants 0
shutdown
```

HQ(config-dspfarm-profile)# **maximum sessions 5**

^

% Invalid input detected at '^' marker.

HQ(config-dspfarm-profile)# **maximum sessions ?**

<0-0> Number of sessions assigned to this profile

When the user tried to configure the command maximum sessions 5 under the dspfarm profile 1, the error shown in the exhibit was reported. Which course of action will resolve this issue?

- A. The maximum conference-participants value must be configured >0.
- B. Ensure that the conference bridge is not registered in Cisco Unified Communications Manager.
- C. The command dsp services dspfarm must be configured under the voice-card configuration.
- D. Configure the dspfarm all command under the voice card.

Correct Answer: C

Section: (none)

Explanation

Explanation/Reference:

QUESTION 32

Refer to the exhibit.

```
voice-card 0
  no local-bypass

sccp ccm 10.1.5.10 identifier 1 version 7.0+
sccp

sccp ccm group 1
  associate ccm 1 priority 1
  associate profile 1 register HQ_Conf

dspfarm profile 1 conference
  codec g711ulaw
  codec g711alaw
  codec g729ar8
  codec g729br8
  codec g729r8
  maximum session 5
  associate application SCCP
  no shutdown
```

You're tasked with staging configuration changes to add conference bridge functionality to an existing IOS voice gateway deployment. What command is missing for the configuration to be accepted by the IOS CLI?

- A. The command maximum conference-participants must be configured under the dspfarm profile.
- B. The Enhanced IOS Conference Bridge is not configured in Cisco Unified Communications Manager.
- C. The command dsp services dspfarm must be configured under the voice-card configuration.
- D. The dspfarm command under the voice card is missing.
- E. The dsp tdm pooling command under the voice-card is missing.

Correct Answer: C

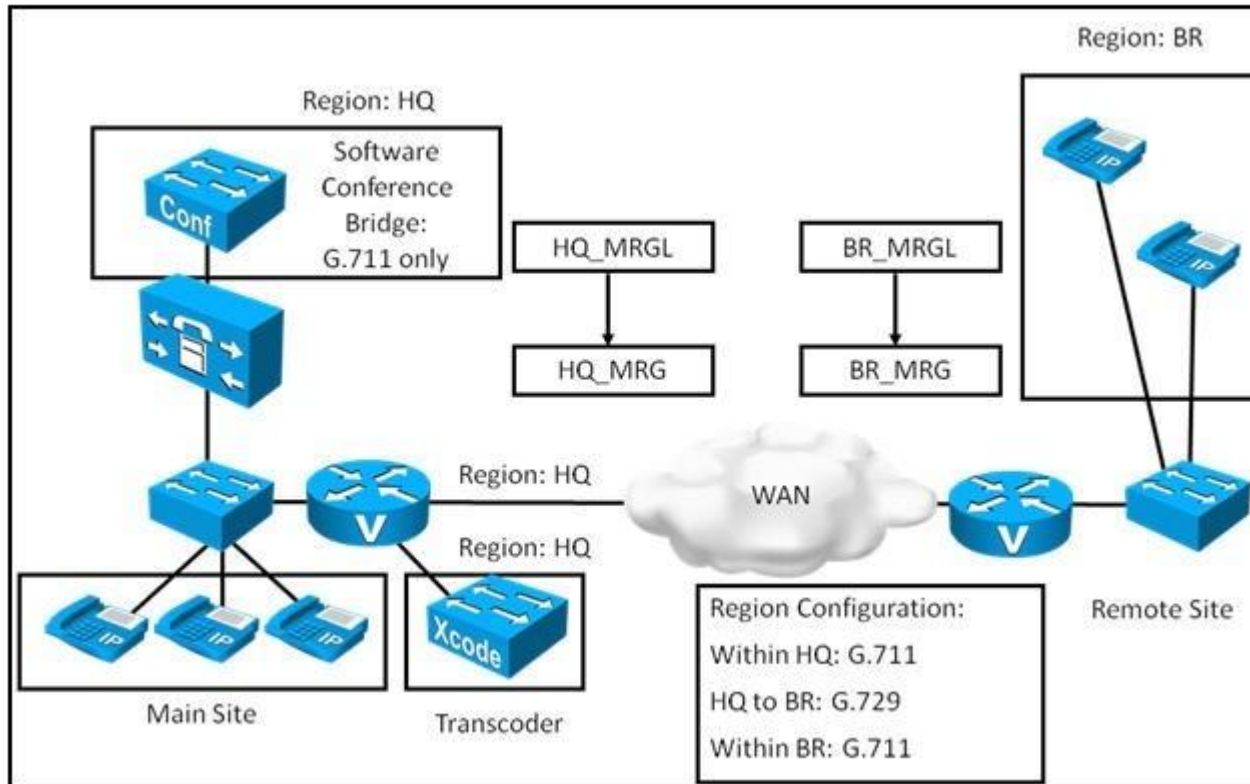
Section: (none)

Explanation

Explanation/Reference:

QUESTION 33

Refer to the exhibit.



When a call between two HQ users was being conferenced with a remote user at the BR site, the conference failed. Which configuration would be needed to solve the problem?

- A. The BR_MRG must contain the transcoder device. The BR_MRGL must be assigned to the BR phones.
- B. The HQ_MRG must contain the transcoder device. The HQ_MRGL must be assigned to the HQ phones.
- C. A transcoder should be configured at the remote site and assigned to all remote phones through the BR_MRGL.

- D. The HQ_MRG must contain the transcoder device. The HQ_MRGL must be assigned to the software conference bridge.
- E. Enable the software conference bridge to support G.711 and G.729 codecs in Cisco Unified Communications Manager service parameters.

Correct Answer: D

Section: (none)

Explanation

Explanation/Reference:

QUESTION 34

You have 50 hardware MTP resources and 200 software MTP resources. You want to use hardware resources first, but software is being used first. Where can you confirm the MTP selection order?

- A. Media Resource Group List
- B. Cisco Unified Real-Time Monitoring Tool
- C. MTP list
- D. phone device pool
- E. calling search space
- F. MGCP gateway

Correct Answer: A

Section: (none)

Explanation

Explanation/Reference:

QUESTION 35

Which four performance counters are available when monitoring a Cisco MTP device using the Cisco Unified Communications Manager RTMT? (Choose four.)

- A. Resource Total
- B. Resource Available
- C. Out of Resources
- D. Resource Idle
- E. Resource Active
- F. MTP Streams Active
- G. MTP Connection Lost

H. MTP Instances Active

Correct Answer: ABCE

Section: (none)

Explanation

Explanation/Reference:

QUESTION 36

In an MCU call with three Cisco TelePresence MX800 systems and a mobile phone calling in, the three TelePresence MX800 systems suddenly experience low audio levels, but the mobile phone audio levels are correct. What can you do to correct this issue?

- A. Turn off the audio processors on the TelePresence MX800.
- B. Use the mobile phone audio option on the TelePresence MX800 to adjust the mobile phone levels.
- C. Mobile phone audio levels can vary, so you cannot correct the issue.
- D. Turn on AGC on the MCU to adjust the audio levels.
- E. Turn on ALG on the MCU to adjust the audio levels.
- F. Turn on the Auto Adjust levels under "Settings > Audio" on the MCU.

Correct Answer: D

Section: (none)

Explanation

Explanation/Reference:

QUESTION 37

Two phones in the same cluster and at the same site have a call currently connected. The site local

- A. 323 PSTN gateway loses connection with Cisco Unified Communications Manager. Which two results do you expect? (Choose two.)
- B. SRST is active, and all the phones enter SRST mode.
- C. No incoming and outgoing calls are possible.
- D. Cisco Unified SRST is able to receive incoming calls.
- E. The current call is not disconnected.
- F. The phones display "CM Fallback Service Operating."

Correct Answer: BD

Section: (none)

Explanation

Explanation/Reference:**QUESTION 38**

Refer to the exhibit.

```
voice-card 0
no local-bypass
!
controller t1 0/0/0
pri-group timeslots 1-24
!
interface Serial0/0/0:23
no ip address
encapsulation hdlc
isdn switch-type primary-ni
isdn incoming-voice voice
!
ip rtcp report interval 5000
!
voice-port 0/0/0:23
timeouts wait-release 10
timeouts initial 10
!
!
gateway
media-inactivity-criteria all
timer receive-rtcp 2
timer receive-rtp 10000
```

Users are reporting that inbound calls from the PSTN are dropping when not answered within 10 seconds. Calls come in via ISDN T1 PRI. Which configuration change is needed to prevent the calls from dropping?

- A. Remove the timeouts wait-release 10 command from under the voice-port.
- B. Remove the timeouts initial 10 command from under the voice-port.
- C. Remove the timer receive-rtcp 2 command from under the gateway.
- D. Remove the timer receive-rtp 10000 command from under the gateway.
- E. Modify the Call Forward No Answer setting in CUCM to redirect calls to Voicemail or another extension.

Correct Answer: C

Section: (none)

Explanation**Explanation/Reference:****QUESTION 39**

When users in headquarters call branch office users over the WAN link, branch users report poor audio quality. Headquarters users consistently experience acceptable audio quality. Which troubleshooting approach most directly improves the audio quality of the branch users?

- A. Make the branch router configuration for LLQ match the headquarters router.
- B. Make the headquarters router configuration for LLQ match the branch router.
- C. Make the branch router configuration for CBWFQ match the headquarters router.
- D. Make the headquarters router configuration for CBWFQ match the branch router.

Correct Answer: B

Section: (none)

Explanation**Explanation/Reference:****QUESTION 40**

Which three network conditions and equipment should you avoid to ensure a high-quality Cisco TelePresence experience? (Choose three.)

- A. network hubs
- B. Layer 3 switches
- C. duplex mismatch connections
- D. 10/100 access ports
- E. high utilization link with QoS
- F. network loops
- G. redundant network trunks

Correct Answer: ACF

Section: (none)

Explanation**Explanation/Reference:****QUESTION 41**

When identifying Cisco TelePresence Endpoint traffic characteristics, which three statements are true? (Choose three.)

- A. Latency, jitter, and loss are measured in a round-trip fashion.
- B. Latency, jitter, and loss are measured unidirectionally.
- C. Latency and loss are measured at a packet level, based on RTP header sequence numbers and time stamps.
- D. Latency and jitter are measured at a packet level, based on RTP header sequence numbers and time stamps.
- E. Jitter is measured at a video frame level, by measuring the arrival time of the video frame versus the expected arrival time.
- F. Jitter is measured at a packet level, by measuring the arrival time of the packet versus the expected arrival time.

Correct Answer: BCE

Section: (none)

Explanation

Explanation/Reference:

QUESTION 42

You are troubleshooting video quality issues on a Cisco TelePresence TX9000 Series system. Which CLI command shows the total number of lost video packets and the received jitter during a call in progress?

- A. show call statistics video
- B. show call statistics all
- C. show call statistics detail
- D. show call statistics video detail

Correct Answer: D

Section: (none)

Explanation

Explanation/Reference:

QUESTION 43

Refer to the exhibit.

| | | | | | |
|--|--------------------|--------|---------------------------|-----------------------|---------|
| <input checked="" type="checkbox"/> Audio/Video Call: Video Stream Statistics | | | | | |
| Local | 10.10.10.100:25654 | | | | |
| Remote | 10.10.10.26:16654 | | | | |
| Average Latency (Call) | 0 | | | | |
| Average Latency (Period) | 0 | | | | |
| | Center | LEGACY | Presentation (1 or 5 FPS) | Presentation (30 FPS) | |
| Transmit | | | | | |
| Is Active | 0 | 0 | 0 | 0 | |
| Media Type | H.264 | H.264 | H.264 | H.264 | |
| Frames Per Second | 30.00 | 30.00 | 5.00 | 30.00 | |
| Total Bytes | 256836441 | 5386 | 0 | 0 | |
| Total Packets | 279459 | 62 | 0 | 0 | |
| Receive | | | | | |
| Is Active | 0 | 0 | 0 | 0 | |
| Media Type | H.264 | N/A | N/A | H.264 | |
| Frames Per Second | 30.00 | 30.00 | 5.00 | 30.00 | |
| Total Bytes | 1710890943 | 0 | 0 | 358683593 | |
| Total Packets | 1749089 | 0 | 0 | 370595 | |
| Lost Packets | 2129 | 0 | 0 | 332 | |
| Lost Packets % (Call) | 0.1216 | 0.0000 | 0.0000 | 0.0895 | |
| Lost Packets % (Period) | 0.0000 | 0.0000 | 0.0000 | 0.2058 | |
| Duplicate Packets | 0 | 0 | 0 | 0 | |
| Late Packets | 0 | 0 | 0 | 0 | |
| Failed SRTP Authentication Packets | 0 | 0 | 0 | 0 | |
| Average Jitter (Call) | 9 | 0 | 0 | 9 | |
| Average Jitter (Period) | 7 | 0 | 0 | 9 | |
| <input type="checkbox"/> Audio-Only Call: Stream Statistics | | | | | |
| Refresh page every 10 minutes | | | | | Refresh |

Which timeframe does the Lost Packets % (Period) value refer to?

- A. total packets lost during the active call
- B. total packets lost within the last 10 seconds
- C. total packets lost within the last 10 minutes

D. total packets lost within the last second

Correct Answer: B

Section: (none)

Explanation

Explanation/Reference:

QUESTION 44

Where in Cisco TMS would you see if a system is registered to a Cisco VCS or a Cisco Unified Communications Manager?

- A. Systems > Registration
- B. Navigation > Systems > Registrations
- C. under Registration on the System Administration tab
- D. System Overview
- E. Settings > Provisioning
- F. where you start the Cisco Unified Communications Manager RTMT under Systems and Reports

Correct Answer: D

Section: (none)

Explanation

Explanation/Reference:

QUESTION 45

Of the following persistent settings for Cisco TMS-controlled endpoints, TMS overwrites these settings if which five of them are altered on the endpoint? (Choose five.)

- A. H.323 ID
- B. Configuration Template
- C. SIP URI
- D. Active Cisco Unified Communications Manager Address
- E. System Name
- F. System Contact
- G. E.164 alias
- H. IEEE 802.1x Authentication Password

Correct Answer: ABCEG

Section: (none)

Explanation

Explanation/Reference:

QUESTION 46

A user using a CP-9971 SIP phone reports that during a video call, the video portion of the call freezes. What should you do in order to point to and troubleshoot the issue?

- A. Restart the phone.
- B. On the phone, navigate to Administrator Settings > Status > Call Statistics > Video > Video statistics > Rcvr Packets statistics. Verify if the phone is receiving packets.
- C. Make sure that the camera is connected to the USB.
- D. Verify if the camera shutter is open.
- E. Perform a factory reset of the phone.

Correct Answer: B

Section: (none)

Explanation

Explanation/Reference:

QUESTION 47

Refer to the exhibit.

Trace Filter Settings

Debug Trace Level: **Error**

☒ Cisco CallManager

- ☒ Enable H.323 State Transition
- ☒ Enable H.323 Significant
- ☒ Enable H.323 Arbitrary
- ☒ Enable H.323 Detailed
- ☒ Enable ISDN Translation Trace
- ☒ Enable H.225 & Gatekeeper Trace
- ☐ Enable Miscellaneous Trace
- ☒ Enable Conference Bridge Trace
- ☒ Enable Music On Hold Trace
- ☒ Enable CM Real-Time Information Server Trace
- ☐ Enable SIP Stack Trace
- ☒ Enable Annunciator Trace
- ☐ Enable SoftKey Trace
- ☐ Device Name Based Trace Monitoring

- ☒ Enable CDR Trace
- ☒ Enable Analog Trunk Trace
- ☒ Enable All Phone Device Trace
- ☒ Enable MTP Trace
- ☐ Enable All GateWay Trace
- ☒ Enable Forward & Miscellaneous Trace
- ☒ Enable MGCP Trace
- ☒ Enable Media Resource Manager Trace
- ☒ Enable SIP Call Processing Trace
- ☐ Enable SCCP Keep Alive Trace
- ☐ Enable SpeedDial Trace
- ☐ Enable SIP Keep Alive (REGISTER Refresh) Trace

Which Cisco Unified Communications Manager trace file level should be selected when enabling traces to send to Cisco TAC for analysis?

- A. State Transition
- B. Arbitrary
- C. Significant
- D. Error
- E. Detailed
- F. Special

Correct Answer: E

Section: (none)

Explanation

Explanation/Reference:

QUESTION 48

To achieve 720p (HD) quality at 30 frames per second on an endpoint that is running TC software, what is the minimum configured call rate?

- A. 512 kbps
- B. 1152 kbps
- C. 768 kbps
- D. 2560 kbps

Correct Answer: B

Section: (none)

Explanation

Explanation/Reference:

QUESTION 49

Refer to Exhibit:

Exhibit 1

```

2015/02/09 11:13:27.672|SIPL|0|TCP|IN|10.1.5.25|5060|SEP8478ACE71D1F|10.1.111.3|50740|1,100,14,146.36^10.1.111.3^*|173|8478ace7-1d1f0006-43f1b7ba-45b
2015/02/09 11:13:27.672|SIPL|0|TCP|OUT|10.1.5.25|5060|SEP8478ACE71D1F|10.1.111.3|50740|1,100,14,146.36^10.1.111.3^*|174|8478ace7-1d1f0006-43f1b7ba-4
2015/02/09 11:13:29.371|CC|SETUP|23329196|23329197|2001|2003|2003
2015/02/09 11:13:29.438|SIPL|23329197|TCP|OUT|10.1.5.25|5060|SEP64AE0CF7BC79|10.1.111.2|49499|1,100,14,1.12^10.1.111.2^*|186|b9a7d800-4d9106d9-9-1905010a@
2015/02/09 11:13:29.439|CC|OFFERED|23329196|23329197|2001|2003|2003|SEP8478ACE71D1F|SEP64AE0CF7BC79
2015/02/09 11:13:29.530|SIPL|23329197|TCP|IN|10.1.5.25|5060|SEP64AE0CF7BC79|10.1.111.2|49499|1,100,14,119.25^10.1.111.2^*|188|b9a7d800-4d9106d9-9-19
2015/02/09 11:13:29.667|SIPL|23329197|TCP|IN|10.1.5.25|5060|SEP64AE0CF7BC79|10.1.111.2|49499|1,100,14,119.26^10.1.111.2^*|191|b9a7d800-4d9106d9-9-19
2015/02/09 11:13:29.670|SIPL|23329196|TCP|OUT|10.1.5.25|5060|SEP8478ACE71D1F|10.1.111.3|50740|1,100,14,119.26^10.1.111.2^*|192|8478ace7-1d1f0006-43f1b
2015/02/09 11:13:38.651|SIPL|23329196|TCP|IN|10.1.5.25|5060|SEP8478ACE71D1F|10.1.111.3|50740|1,100,14,146.45^10.1.111.3^*|195|8478ace7-1d1f0006-43f1b
2015/02/09 11:13:38.651|SIPL|23329196|TCP|OUT|10.1.5.25|5060|SEP8478ACE71D1F|10.1.111.3|50740|1,100,14,146.45^10.1.111.3^*|196|8478ace7-1d1f0006-43f1b
2015/02/09 11:13:38.670|SIPL|23329197|TCP|OUT|10.1.5.25|5060|SEP64AE0CF7BC79|10.1.111.2|49499|1,100,14,146.45^10.1.111.3^*|197|b9a7d800-4d9106d9-9-19
2015/02/09 11:13:38.671|SIPL|23329196|TCP|OUT|10.1.5.25|5060|SEP8478ACE71D1F|10.1.111.3|50740|1,100,14,146.45^10.1.111.3^*|198|8478ace7-1d1f0006-43f1b
2015/02/09 11:13:38.772|SIPL|23329196|TCP|IN|10.1.5.25|5060|SEP8478ACE71D1F|10.1.111.3|50740|1,100,14,146.46^10.1.111.3^*|199|8478ace7-1d1f0006-43f1b
2015/02/09 11:13:38.774|SIPL|23329197|TCP|IN|10.1.5.25|5060|SEP64AE0CF7BC79|10.1.111.2|49499|1,100,14,119.27^10.1.111.2^*|200|b9a7d800-4d9106d9-9-19
2015/02/09 11:13:38.775|CC|RELEASE|23329196|23329197|16
2015/02/09 11:13:38.851|SIPL|23329197|TCP|IN|10.1.5.25|5060|SEP64AE0CF7BC79|10.1.111.2|49499|1,100,14,119.28^10.1.111.2^*|201|b9a7d800-4d9106d9-9-19
2015/02/09 11:13:38.851|SIPL|23329197|TCP|OUT|10.1.5.25|5060|SEP64AE0CF7BC79|10.1.111.2|49499|1,100,14,119.28^10.1.111.2^*|202|b9a7d800-4d9106d9-9-19
  
```

After reviewing the trace in the exhibit, what was the Directory number of the calling party?

- A. 2001
- B. 5010
- C. 1905
- D. 2003

Correct Answer: A

Section: (none)

Explanation

Explanation/Reference:

QUESTION 50

Refer to Exhibit:

Exhibit1

```

2015/02/09 11:13:27.672|SIPL|0|TCP|IN|10.1.5.25|5060|SEP8478ACE71D1F|10.1.111.3|50740|1,100,14,146.36^10.1.111.3^*|173|8478ace7-1d1f0006-43f1b7ba-45b
2015/02/09 11:13:27.672|SIPL|0|TCP|OUT|10.1.5.25|5060|SEP8478ACE71D1F|10.1.111.3|50740|1,100,14,146.36^10.1.111.3^*|174|8478ace7-1d1f0006-43f1b7ba-4
2015/02/09 11:13:29.371|CC|SETUP|23329196|23329197|2001|2003|2003
2015/02/09 11:13:29.438|SIPL|23329197|TCP|OUT|10.1.5.25|5060|SEP64AE0CF7BC79|10.1.111.2|49499|1,100,14,1.12^*^*|186|b9a7d800-4d9106d9-9-1905010a@
2015/02/09 11:13:29.439|CC|OFFERED|23329196|23329197|2001|2003|2003|SEP8478ACE71D1F|SEP64AE0CF7BC79
2015/02/09 11:13:29.530|SIPL|23329197|TCP|IN|10.1.5.25|5060|SEP64AE0CF7BC79|10.1.111.2|49499|1,100,14,119.25^10.1.111.2^*|188|b9a7d800-4d9106d9-9-19
2015/02/09 11:13:29.667|SIPL|23329197|TCP|IN|10.1.5.25|5060|SEP64AE0CF7BC79|10.1.111.2|49499|1,100,14,119.26^10.1.111.2^*|191|b9a7d800-4d9106d9-9-19
2015/02/09 11:13:29.670|SIPL|23329196|TCP|OUT|10.1.5.25|5060|SEP8478ACE71D1F|10.1.111.3|50740|1,100,14,119.26^10.1.111.2^*|192|8478ace7-1d1f0006-43f1b
2015/02/09 11:13:38.651|SIPL|23329196|TCP|IN|10.1.5.25|5060|SEP8478ACE71D1F|10.1.111.3|50740|1,100,14,146.45^10.1.111.3^*|195|8478ace7-1d1f0006-43f1b
2015/02/09 11:13:38.651|SIPL|23329196|TCP|OUT|10.1.5.25|5060|SEP8478ACE71D1F|10.1.111.3|50740|1,100,14,146.45^10.1.111.3^*|196|8478ace7-1d1f0006-43f1b
2015/02/09 11:13:38.670|SIPL|23329197|TCP|OUT|10.1.5.25|5060|SEP64AE0CF7BC79|10.1.111.2|49499|1,100,14,146.45^10.1.111.3^*|197|b9a7d800-4d9106d9-9-19
2015/02/09 11:13:38.671|SIPL|23329196|TCP|OUT|10.1.5.25|5060|SEP8478ACE71D1F|10.1.111.3|50740|1,100,14,146.45^10.1.111.3^*|198|8478ace7-1d1f0006-43f1b
2015/02/09 11:13:38.772|SIPL|23329196|TCP|IN|10.1.5.25|5060|SEP8478ACE71D1F|10.1.111.3|50740|1,100,14,146.46^10.1.111.3^*|199|8478ace7-1d1f0006-43f1b
2015/02/09 11:13:38.774|SIPL|23329197|TCP|IN|10.1.5.25|5060|SEP64AE0CF7BC79|10.1.111.2|49499|1,100,14,119.27^10.1.111.2^*|200|b9a7d800-4d9106d9-9-19
2015/02/09 11:13:38.775|CC|RELEASE|23329196|23329197|16
2015/02/09 11:13:38.851|SIPL|23329197|TCP|IN|10.1.5.25|5060|SEP64AE0CF7BC79|10.1.111.2|49499|1,100,14,119.28^10.1.111.2^*|201|b9a7d800-4d9106d9-9-19
2015/02/09 11:13:38.851|SIPL|23329197|TCP|OUT|10.1.5.25|5060|SEP64AE0CF7BC79|10.1.111.2|49499|1,100,14,119.28^10.1.111.2^*|202|b9a7d800-4d9106d9-9-19
  
```

After reviewing the trace in the exhibit, what was the Directory number of the called party?

- A. 2001

- B. 5010
- C. 1905
- D. 2003

Correct Answer: D

Section: (none)

Explanation

Explanation/Reference:

QUESTION 51

Refer to Exhibit:

| Exhibit1 | |
|--|--|
| 2015/02/09 11:13:27.672 SIPL 0 TCP IN 10.1.5.25 5060 SEP8478ACE71D1F 10.1.111.3 50740 1,100,14,146.36^10.1.111.3^* 173 8478ace7-1d1f0006-43f1b7ba-45b | |
| 2015/02/09 11:13:27.672 SIPL 0 TCP OUT 10.1.5.25 5060 SEP8478ACE71D1F 10.1.111.3 50740 1,100,14,146.36^10.1.111.3^* 174 8478ace7-1d1f0006-43f1b7ba-4 | |
| 2015/02/09 11:13:29.371 CC SETUP 23329196 23329197 2001 2003 2003 | |
| 2015/02/09 11:13:29.438 SIPL 23329197 TCP OUT 10.1.5.25 5060 SEP64AE0CF7BC79 10.1.111.2 49499 1,100,14,119.25^10.1.111.2^* 186 b9a7d800-4d9106d9-9-1905010a@ | |
| 2015/02/09 11:13:29.439 CC OFFERED 23329196 23329197 2001 2003 2003 SEP8478ACE71D1F SEP64AE0CF7BC79 | |
| 2015/02/09 11:13:29.530 SIPL 23329197 TCP IN 10.1.5.25 5060 SEP64AE0CF7BC79 10.1.111.2 49499 1,100,14,119.25^10.1.111.2^* 188 b9a7d800-4d9106d9-9-19 | |
| 2015/02/09 11:13:29.667 SIPL 23329197 TCP IN 10.1.5.25 5060 SEP64AE0CF7BC79 10.1.111.2 49499 1,100,14,119.26^10.1.111.2^* 191 b9a7d800-4d9106d9-9-19 | |
| 2015/02/09 11:13:29.670 SIPL 23329196 TCP OUT 10.1.5.25 5060 SEP8478ACE71D1F 10.1.111.3 50740 1,100,14,119.26^10.1.111.2^* 192 8478ace7-1d1f0006-43f1b | |
| 2015/02/09 11:13:38.651 SIPL 23329196 TCP IN 10.1.5.25 5060 SEP8478ACE71D1F 10.1.111.3 50740 1,100,14,146.45^10.1.111.3^* 195 8478ace7-1d1f0006-43f1b | |
| 2015/02/09 11:13:38.651 SIPL 23329196 TCP OUT 10.1.5.25 5060 SEP8478ACE71D1F 10.1.111.3 50740 1,100,14,146.45^10.1.111.3^* 196 8478ace7-1d1f0006-43f1b | |
| 2015/02/09 11:13:38.670 SIPL 23329197 TCP OUT 10.1.5.25 5060 SEP64AE0CF7BC79 10.1.111.2 49499 1,100,14,146.45^10.1.111.3^* 197 b9a7d800-4d9106d9-9-19 | |
| 2015/02/09 11:13:38.671 SIPL 23329196 TCP OUT 10.1.5.25 5060 SEP8478ACE71D1F 10.1.111.3 50740 1,100,14,146.45^10.1.111.3^* 198 8478ace7-1d1f0006-43f1b | |
| 2015/02/09 11:13:38.772 SIPL 23329196 TCP IN 10.1.5.25 5060 SEP8478ACE71D1F 10.1.111.3 50740 1,100,14,146.46^10.1.111.3^* 199 8478ace7-1d1f0006-43f1b | |
| 2015/02/09 11:13:38.774 SIPL 23329197 TCP IN 10.1.5.25 5060 SEP64AE0CF7BC79 10.1.111.2 49499 1,100,14,119.27^10.1.111.2^* 200 b9a7d800-4d9106d9-9-19 | |
| 2015/02/09 11:13:38.775 CC RELEASE 23329196 23329197 16 | |
| 2015/02/09 11:13:38.851 SIPL 23329197 TCP IN 10.1.5.25 5060 SEP64AE0CF7BC79 10.1.111.2 49499 1,100,14,119.28^10.1.111.2^* 201 b9a7d800-4d9106d9-9-19 | |
| 2015/02/09 11:13:38.851 SIPL 23329197 TCP OUT 10.1.5.25 5060 SEP64AE0CF7BC79 10.1.111.2 49499 1,100,14,119.28^10.1.111.2^* 202 b9a7d800-4d9106d9-9-19 | |

What was the cause for the call termination?

- A. No route to called number
- B. Outbound gateway was not found

- C. Calling party abandoned the call
- D. Called party cancelled the call
- E. Call completed successfully

Correct Answer: C

Section: (none)

Explanation

Explanation/Reference:

QUESTION 52

Refer to Exhibit:

Exhibit 1

```

2015/02/09 11:13:27.672|SIPL|0|TCP|IN|10.1.5.25|5060|SEP8478ACE71D1F|10.1.111.3|50740|1,100,14,146.36^10.1.111.3^*|173|8478ace7-1d1f0006-43f1b7ba-45b
2015/02/09 11:13:27.672|SIPL|0|TCP|OUT|10.1.5.25|5060|SEP8478ACE71D1F|10.1.111.3|50740|1,100,14,146.36^10.1.111.3^*|174|8478ace7-1d1f0006-43f1b7ba-4
2015/02/09 11:13:29.371|CC|SETUP|23329196|23329197|2001|2003|2003
2015/02/09 11:13:29.438|SIPL|23329197|TCP|OUT|10.1.5.25|5060|SEP64AE0CF7BC79|10.1.111.2|49499|1,100,14,119.25^10.1.111.2^*|186|b9a7d800-4d9106d9-9-1905010a@
2015/02/09 11:13:29.439|CC|OFFERED|23329196|23329197|2001|2003|2003|SEP8478ACE71D1F|SEP64AE0CF7BC79
2015/02/09 11:13:29.530|SIPL|23329197|TCP|IN|10.1.5.25|5060|SEP64AE0CF7BC79|10.1.111.2|49499|1,100,14,119.25^10.1.111.2^*|188|b9a7d800-4d9106d9-9-19
2015/02/09 11:13:29.667|SIPL|23329197|TCP|IN|10.1.5.25|5060|SEP64AE0CF7BC79|10.1.111.2|49499|1,100,14,119.26^10.1.111.2^*|191|b9a7d800-4d9106d9-9-19
2015/02/09 11:13:29.670|SIPL|23329196|TCP|OUT|10.1.5.25|5060|SEP8478ACE71D1F|10.1.111.3|50740|1,100,14,119.26^10.1.111.2^*|192|8478ace7-1d1f0006-43f1b
2015/02/09 11:13:38.651|SIPL|23329196|TCP|IN|10.1.5.25|5060|SEP8478ACE71D1F|10.1.111.3|50740|1,100,14,146.45^10.1.111.3^*|195|8478ace7-1d1f0006-43f1b
2015/02/09 11:13:38.651|SIPL|23329196|TCP|OUT|10.1.5.25|5060|SEP8478ACE71D1F|10.1.111.3|50740|1,100,14,146.45^10.1.111.3^*|196|8478ace7-1d1f0006-43f1b
2015/02/09 11:13:38.670|SIPL|23329197|TCP|OUT|10.1.5.25|5060|SEP64AE0CF7BC79|10.1.111.2|49499|1,100,14,146.45^10.1.111.3^*|197|b9a7d800-4d9106d9-9-19
2015/02/09 11:13:38.671|SIPL|23329196|TCP|OUT|10.1.5.25|5060|SEP8478ACE71D1F|10.1.111.3|50740|1,100,14,146.45^10.1.111.3^*|198|8478ace7-1d1f0006-43f1b
2015/02/09 11:13:38.772|SIPL|23329196|TCP|IN|10.1.5.25|5060|SEP8478ACE71D1F|10.1.111.3|50740|1,100,14,146.46^10.1.111.3^*|199|8478ace7-1d1f0006-43f1b
2015/02/09 11:13:38.774|SIPL|23329197|TCP|IN|10.1.5.25|5060|SEP64AE0CF7BC79|10.1.111.2|49499|1,100,14,119.27^10.1.111.2^*|200|b9a7d800-4d9106d9-9-19
2015/02/09 11:13:38.775|CC|RELEASE|23329196|23329197|16
2015/02/09 11:13:38.851|SIPL|23329197|TCP|IN|10.1.5.25|5060|SEP64AE0CF7BC79|10.1.111.2|49499|1,100,14,119.28^10.1.111.2^*|201|b9a7d800-4d9106d9-9-19
2015/02/09 11:13:38.851|SIPL|23329197|TCP|OUT|10.1.5.25|5060|SEP64AE0CF7BC79|10.1.111.2|49499|1,100,14,119.28^10.1.111.2^*|202|b9a7d800-4d9106d9-9-19
  
```

What protocol was used in this call?

- A. H.323
- B. SCCP

- C. MGCP
- D. SIP

Correct Answer: D

Section: (none)

Explanation

Explanation/Reference:

QUESTION 53

What is a common reason that an IP Phone cannot get its configuration from Cisco Unified Communications Manager after it obtains the correct IP address information?

- A. The DHCP scope is exhausted.
- B. The DHCP server is not reachable.
- C. The DHCP scope is on the wrong subnet.
- D. The DHCP scope has the incorrect Option 150 or 66 defined.

Correct Answer: D

Section: (none)

Explanation

Explanation/Reference:

QUESTION 54

After an IP Phone gets IP address information from DHCP, what is the next step in the initialization process?

- A. CTL and ITL files are downloaded.
- B. The phone requests its VLAN information.
- C. The DHCP offer is sent from the phone
- D. The TFTP server is contacted for configuration information.
- E. Nothing else is required, the phone is operational at this stage

Correct Answer: D

Section: (none)

Explanation

Explanation/Reference:

QUESTION 55

Refer to topology and Exhibits below:

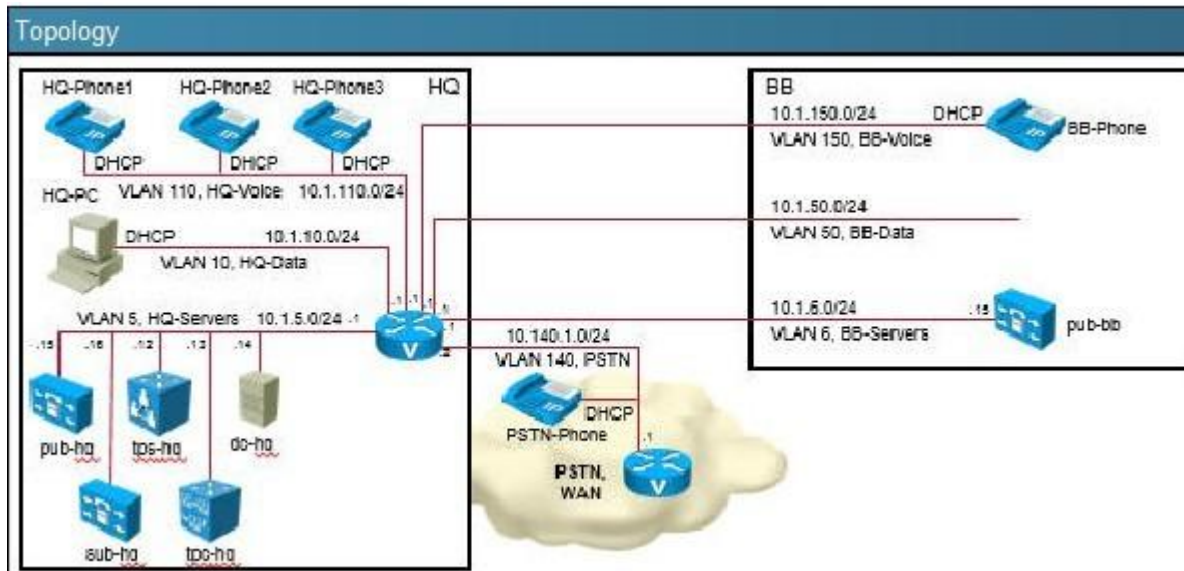



Exhibit2

Gateway Details

Product Cisco 3925
Gateway MGCP-GW
Protocol MGCP

 Device is not trusted

Domain Name* MGCP-GW

Description MGCP-GW

Cisco Unified Communications Manager Group* Default

Configured Slots, VICs and Endpoints


Module in Slot 0 NM-4VWIC-MBRD

Subunit 0 VWIC2-1MFT-T1E1-T1 0/0/0 

Exhibit3

Device Information

Product Cisco MGCP T1 Port
Gateway MGCP-GW
Device Protocol Digital Access PRI
Registration: Unknown
IPv4 Address: None

 Device is not trusted

End-Point Name* S0/SU0/DS1-0@MGCP-GW

Description S0/SU0/DS1-0@MGCP-GW

Exhibit4

```
MGCP Domain Name: HQ
Priority      Status      Host
=====
Primary      Backup Ready      10.1.5.25
First Backup  Registering with CM 10.1.5.26
Second Backup None

Current active Call Manager:      None
Backhaul/Redundant link port:    2428
Failover Interval:                30 seconds
Keepalive Interval:              15 seconds
Last keepalive sent:             21:44:55 UTC Feb 10 2015 (elapsed time: 00:20:03)
Last MGCP traffic time:          22:04:42 UTC Feb 10 2015 (elapsed time: 00:00:15)
Last failover time:              22:04:42 UTC Feb 10 2015 from (10.1.5.25)
Last switchback time:           22:04:12 UTC Feb 10 2015 from (10.1.5.26)
Switchback mode:                 Graceful
MGCP Fallback mode:              Not Selected
Last MGCP Fallback start time:    None
Last MGCP Fallback end time:      None
MGCP Download Tones:             Disabled
TFTP retry count to shut Ports:  2

FAX mode: disable
Configuration Error History:
```

From the perspective of the Cisco Unified Communications Manager, what is the status of the MGCP gateway?

- A. registered
- B. unknown
- C. registering
- D. initializing

Correct Answer: C

Section: (none)

Explanation

Explanation/Reference:

QUESTION 56

Refer to topology and Exhibits below:

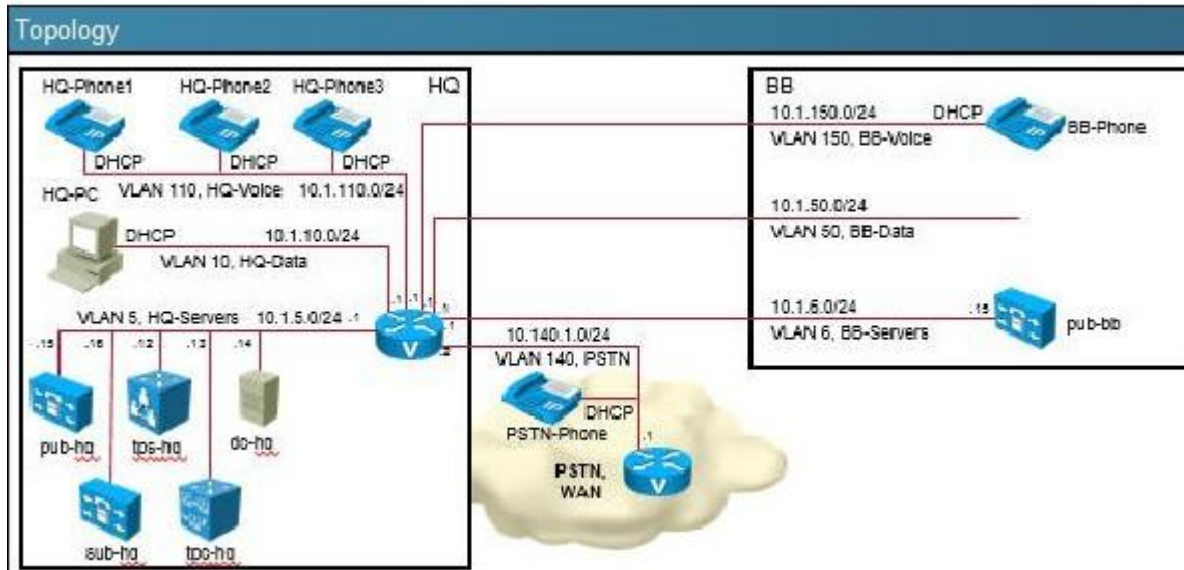



Exhibit2

Gateway Details

Product Cisco 3925
Gateway MGCP-GW
Protocol MGCP

 Device is not trusted

Domain Name* MGCP-GW

Description MGCP-GW

Cisco Unified Communications Manager Group* Default

Configured Slots, VICs and Endpoints


Module in Slot 0 NM-4VWIC-MBRD

Subunit 0 VWIC2-1MFT-T1E1-T1 0/0/0 

Exhibit3

Device Information

Product Cisco MGCP T1 Port
Gateway MGCP-GW
Device Protocol Digital Access PRI
Registration: Unknown
IPv4 Address: None

 Device is not trusted

End-Point Name* S0/SU0/DS1-0@MGCP-GW

Description S0/SU0/DS1-0@MGCP-GW

Exhibit4

```

MGCP Domain Name: HQ
Priority      Status      Host
=====
Primary      Backup Ready      10.1.5.25
First Backup  Registering with CM 10.1.5.26
Second Backup None

Current active Call Manager:      None
Backhaul/Redundant link port:    2428
Failover Interval:               30 seconds
Keepalive Interval:              15 seconds
Last keepalive sent:             21:44:55 UTC Feb 10 2015 (elapsed time: 00:20:03)
Last MGCP traffic time:          22:04:42 UTC Feb 10 2015 (elapsed time: 00:00:15)
Last failover time:              22:04:42 UTC Feb 10 2015 from (10.1.5.25)
Last switchback time:           22:04:12 UTC Feb 10 2015 from (10.1.5.26)
Switchback mode:                 Graceful
MGCP fallback mode:              Not Selected
Last MGCP fallback start time:   None
Last MGCP fallback end time:     None
MGCP download tones:            Disabled
TFTP retry count to shut ports: 2

FAX mode: disable
Configuration Error History:
  
```

Which command can be used to obtain the status of an MGCP gateway from the IOS device, as shown in the given output?

- A. show mgcp registration
- B. show mgcp-gw
- C. show mgcp connection
- D. show ccm-manager

Correct Answer: D

Section: (none)

Explanation

Explanation/Reference:

QUESTION 57

Refer to topology and Exhibits below:

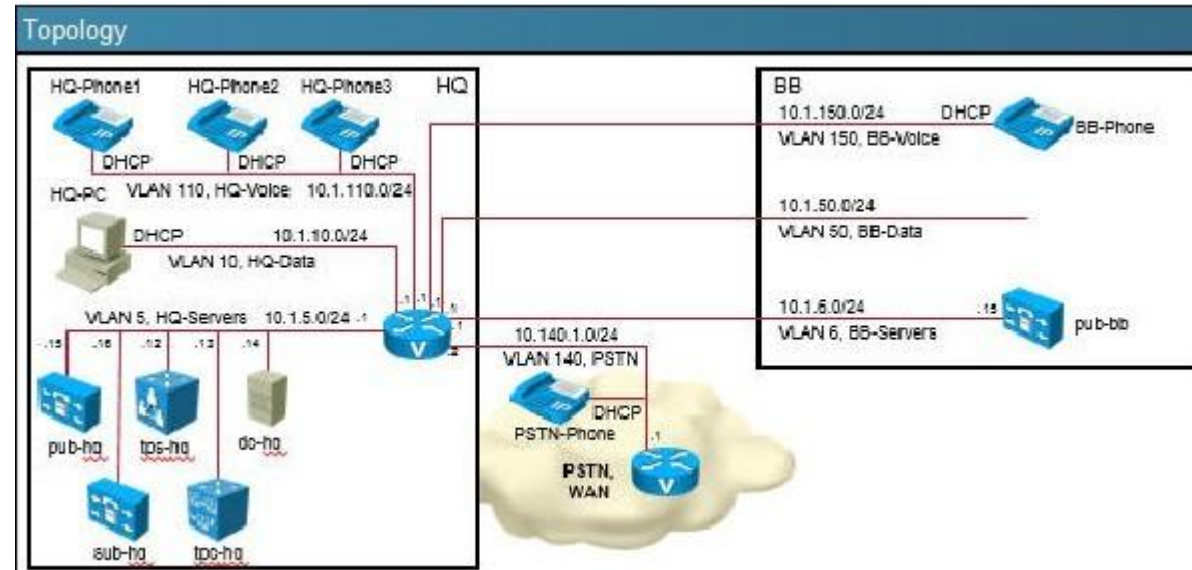



Exhibit2

Gateway Details

Product Cisco 3925
Gateway MGCP-GW
Protocol MGCP

 Device is not trusted

Domain Name* MGCP-GW

Description MGCP-GW

Cisco Unified Communications Manager Group* Default

Configured Slots, VICs and Endpoints


Module in Slot 0 NM-4VWIC-MBRD

Subunit 0 VWIC2-1MFT-T1E1-T1 0/0/0 

Exhibit3

Device Information

Product Cisco MGCP T1 Port
Gateway MGCP-GW
Device Protocol Digital Access PRI
Registration: Unknown
IPv4 Address: None

 Device is not trusted

End-Point Name * S0/SU0/DS1-0@MGCP-GW

Description S0/SU0/DS1-0@MGCP-GW

Exhibit4

```

MGCP Domain Name: HQ
Priority      Status      Host
=====
Primary      Backup Ready    10.1.5.25
First Backup  Registering with CM 10.1.5.26
Second Backup None

Current active Call Manager: None
Backhaul/Redundant link port: 2428
Failover Interval: 30 seconds
Keepalive Interval: 15 seconds
Last keepalive sent: 21:44:55 UTC Feb 10 2015 (elapsed time: 00:20:03)
Last MGCP traffic time: 22:04:42 UTC Feb 10 2015 (elapsed time: 00:00:15)
Last failover time: 22:04:42 UTC Feb 10 2015 from (10.1.5.25)
Last switchback time: 22:04:12 UTC Feb 10 2015 from (10.1.5.26)
Switchback mode: Graceful
MGCP fallback mode: Not Selected
Last MGCP fallback start time: None
Last MGCP fallback end time: None
MGCP download tones: Disabled
TFTP retry count to shut ports: 2

FAX mode: disable
Configuration Error History:
  
```

What is the reason that this MGCP gateway is not registered with Cisco Unified Communications Manager?

- A. The primary server address is incorrect.
- B. The MGCP domain name is incorrect on either the Cisco Unified Communications Manager or the router.
- C. Backhaul/Redundant link port is incorrect
- D. This MGCP gateway is not down; it is operational.

Correct Answer: B

Section: (none)

Explanation

Explanation/Reference: