

➤ **Vendor: Cisco**

➤ **Exam Code: 400-051**

➤ **Exam Name: CCIE Collaboration Written**

➤ **Question 301 – Question 350**

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**QUESTION 301**

Which Cisco Unified CM service is responsible for writing Call Management Records into the CDR Analysis and Reporting database?

- A. Cisco CDR Agent
- B. Cisco CAR DB
- C. Cisco CDR Repository Manager
- D. Cisco CAR Scheduler
- E. Cisco Extended Functions

**Answer: D**

**QUESTION 302**

Which directory path on Cisco Unified CM publisher is used to temporarily store the Call Detail Records collected from other nodes until they are processed by the CDR Repository Manager?

- A. car/yyyymmdd
- B. preserve/yyyymmdd
- C. cdr/yyyymmdd
- D. collected/yyyymmdd
- E. processed/yyyymmdd

**Answer: B**

**QUESTION 303**

Which Cisco Unified CM service is responsible for periodically checking disk usage and deleting old Call Management Records files?

- A. Cisco CallManager
- B. Cisco CDR Agent
- C. Cisco CDR Repository Manager
- D. Cisco SOAP ?CallRecord Service
- E. Cisco Extended Functions

**Answer: C**

**QUESTION 304**

Refer to the exhibit. 10.1.1.1 and 10.1.1.2 are node IP addresses of a Cisco Unified CM cluster. Which statement describes the correct Cisco Unified CM configurations that produced the output shown in the exhibit?

```
Gatekeeper#show gatekeeper endpoint
```

GATEKEEPER ENDPOINT REGISTRATION						
CallSignalAddr	Port	RASSignalAddr	Port	Zone Name	Type	Flags
10.1.1.1	1720	10.1.1.1	49960	GK	VOIP-GW	
H323-ID: HQGK_1						
Voice Capacity Max.= Avail.= Current.=						
10.1.1.2	1720	10.1.1.2	49309	GK	VOIP-GW	
H323-ID: HQGK_2						
Voice Capacity Max.= Avail.= Current.= 0						
20.1.1.1	1720	20.1.1.1	49262	GK	H323-GW	
H323-ID: RemoteGK-1						
Voice Capacity Max.= Avail.= Current.= 0						
Total number of active registrations = 3						

- A. Device Name on the Cisco Unified CM Gatekeeper configuration page is HQGK.
- B. Device Name on the Cisco Unified CM H.225 Trunk (Gatekeeper Controlled) configuration page is HQGK.
- C. Device Name on the Cisco Unified CM H.225 Trunk (Gatekeeper Controlled) configuration page is HQGK\_1,HQGK\_2.
- D. Device Name on the Cisco Unified CM Gatekeeper configuration page is HQGK\_1,HQGK\_2.
- E. Not enough information has been provided to answer this question.

**Answer: B**

**QUESTION 305**

Refer to the exhibit. 10.1.1.1 and 10.1.1.2 are node IP addresses of a Cisco Unified CM cluster. Which two statements describe the correct Gatekeeper Information parameters on Cisco Unified CM H.225 Trunk (Gatekeeper Controlled) configuration page that could produce the output shown in the exhibit? (Choose two.)

```
Gatekeeper#show gatekeeper gw
```

GATEWAY TYPE PREFIX TABLE	
=====	
Prefix: 1*	
Zone GK master gateway list:	
10.1.1.2:49392	HQGK_2
10.1.1.1:50972	HQGK_1

- A. Default Technology Prefix is 1\*.
- B. Technology Prefix is 1.
- C. H.323 IDs are HQGK\_1 and HQGK\_2.
- D. H.323 ID is HQGK.
- E. Technology Prefix is 1\*.
- F. Zone name is HQGK.

**Answer: BE**

**QUESTION 306**

Refer to the exhibit. 10.1.1.1 and 10.1.1.2 are node IP addresses of a Cisco Unified CM cluster. Which two options are the correct Cisco IOS Gatekeeper configuration that could produce the output shown in the exhibit? (Choose two.)

```
Gatekeeper#show gatekeeper gw

GATEWAY TYPE PREFIX TABLE
=====
Prefix: 1*
Zone GK master gateway list:
  10.1.1.2:49392 HQGK_2
  10.1.1.1:50972 HQGK_1
```

- A. gw-type-prefix 1 default-technology
- B. no shutdown
- C. zone local GK cciecollab.com
- D. Zone remote HQGK\_2 cciecollab.com 10.1.1.2
- E. gw-type-prefix 1\* default-technology
- F. Zone remote HQGK\_1 cciecollab.com 10.1.1.1

**Answer: BC**

**QUESTION 307**

Refer to the exhibit. Debug RAS output is logged on a H.323 gateway. Which RAS message is sent next by the H.323 gateway?

```
Jan 10 02:31:25.598: h323chan_gw_conn: Created socket fd=1
Jan 10 02:31:25.598: h323chan_gw_conn: Created socket fd=2h323chan_dgram_send:Sent UDP msg.
Bytes sent: 50 to 224.0.1.41:1718 fd=2

Jan 10 02:31:25.598: RASLib::GW_RASSendGRQ: GRQ (seq# 47) sent to 224.0.1.41
Jan 10 02:31:25.598: h323chan_chn_process_read_socket
Jan 10 02:31:25.598: h323chan_chn_process_read_socket: fd=2 of type CONNECTED has data
Jan 10 02:31:25.598: h323chan_chn_process_read_socket: h323chan accepted/connected fd=2

Jan 10 02:31:25.598: h323chan_dgram_rcvdata:rcvd from [10.1.1.2:1718] on fd=2
Jan 10 02:31:25.598: GCF (seq# 47) rcvd from h323chan_dgram_send:Sent UDP msg.
```

- A. ARQ
- B. BRQ
- C. IRQ
- D. LRQ
- E. RRQ

**Answer: E**

**QUESTION 308**

Which three parameters are requested in an Audit Endpoint message from a Cisco Unified CM to an endpoint on a MGCP gateway? (Choose three.)

- A. Bearer Information
- B. Call ID
- C. Capabilities
- D. Connection ID
- E. Connection Mode
- F. Connection Parameters
- G. Request Identifier
- H. Observed Events

**Answer: CDG**

**QUESTION 309**

Which Cisco Unified CM service is installed by default and authenticates certificates on behalf of IP phones and other endpoints?

- A. Cisco CTL Provider
- B. Cisco Certificate Authority Proxy Function
- C. Cisco Trust Verification
- D. Cisco CallManager
- E. Cisco TFTP

**Answer: C**

**QUESTION 310**


Which four requirements are mandatory to enable a mixed mode Cisco Unified CM cluster? (Choose four.)

- A. Cisco CTL Provider Service activated and enabled
- B. Cisco Certificate Authority Proxy Function activated and enabled
- C. Cisco Trust Verification activated and enabled
- D. Cisco CTL client
- E. a minimum of one USB e-token
- F. a minimum of two USB e-token
- G. a minimum of one soft e-token

**Answer: ABDF**




**QUESTION 311**


Refer to the exhibit. Which certificate file contains the private key used to sign the TFTP configuration file for download authentication with Initial Trust List enabled IP phones?


**Cisco Unified Operating System Administration**  
 For Cisco Unified Communications Solutions

Show ▾ Settings ▾ Security ▾ Software Upgrades ▾ Services ▾ Help ▾

**Certificate List**

 Generate New
  Upload Certificate/Certificate chain
  Generate CSR

**Status**  
 21 records found

**Certificate List (1 - 21 of 21)**

Find Certificate List where  ▾ begins with  ▾

Certificate Name	Certificate Type	.PEM File
tomcat	certs	<a href="#">tomcat.pem</a>
ipsec	certs	<a href="#">ipsec.pem</a>
tomcat-trust	trust-certs	<a href="#">PUB.pem</a>
tomcat-trust	trust-certs	<a href="#">VeriSign Class 3 Secure Server CA - G3.pem</a>
tomcat-trust	trust-certs	<a href="#">SUB.pem</a>
ipsec-trust	trust-certs	<a href="#">PUB.pem</a>
CallManager	certs	<a href="#">CallManager.pem</a>
CAPF	certs	<a href="#">CAPF.pem</a>
TVS	certs	<a href="#">TVS.pem</a>
CallManager-trust	trust-certs	<a href="#">Cisco Manufacturing CA.pem</a>
CallManager-trust	trust-certs	<a href="#">CAPF-8b60ebb5.pem</a>
CallManager-trust	trust-certs	<a href="#">CAP-RTP-002.pem</a>
CallManager-trust	trust-certs	<a href="#">CAP-RTP-001.pem</a>
CallManager-trust	trust-certs	<a href="#">SUB.pem</a>
CallManager-trust	trust-certs	<a href="#">CAPF-fbb7020d.pem</a>
CallManager-trust	trust-certs	<a href="#">Cisco Root CA 2048.pem</a>
CAPF-trust	trust-certs	<a href="#">Cisco Manufacturing CA.pem</a>
CAPF-trust	trust-certs	<a href="#">CAPF-8b60ebb5.pem</a>
CAPF-trust	trust-certs	<a href="#">CAP-RTP-002.pem</a>
CAPF-trust	trust-certs	<a href="#">CAP-RTP-001.pem</a>
CAPF-trust	trust-certs	<a href="#">Cisco Root CA 2048.pem</a>

- A. PUB.pem tomcat-trust trust-cert
- B. SUB.pem CallManager-trust trust-cert
- C. CAPF.pem CAPF cert
- D. TVS.pem TVS cert
- E. CallManager.pem CallManager cert

**Answer: E**

**QUESTION 312**

Which configuration file does a Cisco IP phone with MAC address 1111.2222.3333 request from

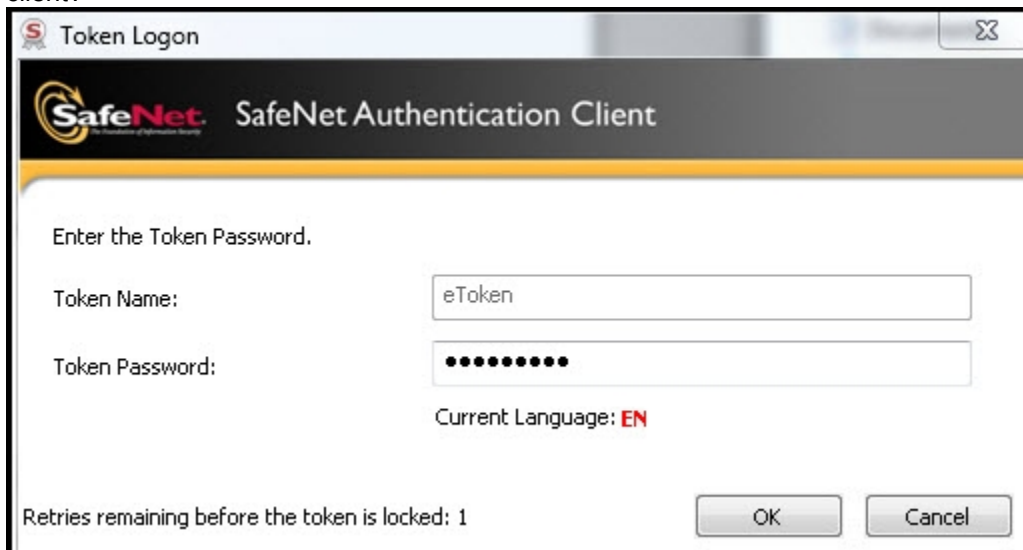
the TFTP server when an Initial Trust List file is present?

- A. SEP111122223333.cnf.xml
- B. SEP111122223333.cnf
- C. SEP111122223333.cnf.xml.sgn
- D. SEPDefault.cnf.xml.sgn
- E. SEP111122223333.cnf.xml.enc.sgn

**Answer: C**

**QUESTION 313**

Refer to the exhibit. How many failed token password attempts have occurred on this Cisco CTL client?



- A. 4
- B. 9
- C. 14
- D. 19
- E. 24

**Answer: C**

**QUESTION 314**

Refer to the exhibit. Which two phone security functions are available to this Cisco IP phone? (Choose two.)





- A. default Authentication of TFTP downloaded files using a signing key
- B. encryption of TFTP configuration files using a signing key
- C. encrypted call signaling but unencrypted call media
- D. encrypted call media but unencrypted call signaling
- E. encrypted call signaling and media
- F. local trust verification on the phone

**Answer: AB**

**QUESTION 315**

Refer to the exhibit. Which option describes the security encryption status of this active call on a Cisco IP phone?



- A. unencrypted call signaling and media
- B. encrypted call signaling but unencrypted call media
- C. encrypted call media but unencrypted call signaling
- D. encrypted call signaling and media
- E. Not enough information provided to answer this question.

**Answer: D**

**QUESTION 316**

A collaboration engineer has just implemented SAF as a hub-and-spoke network. The hub uses its loopback interface for SAF advertisements. Updates are coming into the hub router, but are not being advertised out. Which option describes the issue?

- A. Multicast is not enabled across the WAN.
- B. SAF is set up on a VRF.
- C. SAF username/password are incorrect.
- D. The autonomous system is mismatched.
- E. Split horizon is enabled.

**Answer: E**

**QUESTION 317**

A collaboration engineer has set up SAF on a Cisco IOS router to advertise and accept SAF information during a maintenance window. Which two commands enable this functionality? (Choose two.)

- A. enroll callcontrol wildcarded
- B. advertise callcontrol 1
- C. subscribe callcontrol wildcarded
- D. register callcontrol wildcarded
- E. publish callcontrol 1
- F. distribute callcontrol 1

**Answer: CE**

**QUESTION 318**

Refer to the exhibit. The Cisco Unified Border Element is configured using high availability with the Hot Standby Routing Protocol. Which two pieces of information can be gathered about the calls traversing these border elements? (Choose two.)

```
CUBE_PSTN#show voice high-availability summary

===== Voice HA DB INFO =====
Number of calls in HA DB: 100
Number of calls in HA sync pending DB: 50
Number of calls in HA preserved session DB: 70
```

- A. The total number of calls is 150.
- B. The number of nonnative calls is 70.
- C. The number of native calls is 50.
- D. The number of calls preserved is 220.
- E. The total number of active calls is 100.

**Answer: AB**

**QUESTION 319**

Refer to the exhibit. What does an outside caller hear when calling a user and forwarding to Cisco Unity Connection?



The screenshot displays the 'Forwarded Routing Rule' configuration for an 'Emergency Message'. The 'Status' is set to 'Active', and the 'Language' is 'English(United States)'. The 'Send Call to' option is 'Call Handler', and the 'Routing Rule Conditions' table is empty. The 'Edit Greeting (Standard)' section shows the 'Status' as 'Greeting Enabled with No End Date and Time'. The 'Callers Hear' section is set to 'System Default Greeting'. The 'After Greeting' section is set to 'Call Action' with the 'Route From Next Call Routing Rule' selected. Below the configuration, a table titled 'Forwarded Routing Rules in Descending Order of Precedence' lists three rules: 'Emergency Message' (Active, Greeting Conversation), 'Attempt Forward' (Active, Attempt Forward), and 'Opening Greeting' (Active, Transfer Conversation).

Display Name	Status	Dialed Number	Calling Number	Forwarding Station	Phone System	Port	Send Call to
Emergency Message	Active						Greeting Conversation
Attempt Forward	Active						Attempt Forward
Opening Greeting	Active						Transfer Conversation

- A. The caller hears the Emergency greeting, followed by the voicemail greeting of the user they originally called.
- B. The caller hears the message "Emergency Message is not available," followed by the voicemail greeting of the user they originally called.
- C. The caller hears the emergency greeting followed by the Opening Greeting message.
- D. The caller hears the Main Message greeting and then the call is disconnected.

**Answer: B**

### QUESTION 320

A Cisco Unity Connection administrator receives a request from a user who wants the ability to change the caller input option 0 in their voicemail box as needed without calling for support. How does the administrator grant these rights to the user?

- A. The administrator can set the caller input to "Transfer to alternate contact number" so the user can log into their voicemail account through the TUI and set their alternate contact number.
- B. The administrator can set the caller input to "Transfer to alternate contact number" so the user can log into their voicemail account through their Cisco PCA page and set their alternate contact number.
- C. The administrator can create a new call handler of which the user is an owner. The user controls the destination of that call handler by logging into the call handler via greetings administrator.
- D. The administrator informs the user that this feature is a built-in option to the user Cisco PCA page under caller input.
- E. The administrator informs the user that this feature is a built-in option for the user in the TUI under personal settings.

**Answer: A**

**QUESTION 321**

A company is decommissioning a site where a Cisco Unity Connection cluster resides. This cluster is part of a larger network of Unity Connection servers linked using HTTPS networking. Which three steps remove the site from the network? (Choose three.)

- A. Determine if the Unity Connection cluster to be decommissioned sits between the hub and another Unity Connection site in the hub-and-spoke topology.
- B. Remove the Unity Connection primary server from the HTTPS network on each node in the cluster.
- C. Remove all servers in the Unity Connection cluster from the other clusters in the HTTPS network.
- D. Update any downstream Unity Connection locations so that they link with a Unity Connection that will continue to have access to the hub location.
- E. Remove the existing link to the remaining Unity Connection locations subtree and add new links to locations that will remain connected to the hub.
- F. Update any remote call handlers and interview handlers that targeted the users on the location as well as any location downstream from the commissioned site to be removed.

**Answer: AEF**

**QUESTION 322**

Refer to the exhibit. A Cisco collaboration engineer is writing a report to summarize the call distribution characteristics in a Cisco Unified Contact Center Express queue.

Which three characteristics can be reported about the call distribution? (Choose three.)

**Cisco Unified CCX Administration**  
For Cisco Unified Communications Solutions

System Applications Subsystems Wizards Tools Help

## Contact Service Queue Configuration

Next Delete Cancel Open Printable Report of this CSQ configuration

Status

Status : Ready

Contact Service Queue Name\*

Contact Service Queue Type\*

Contact Queuing Criteria

Automatic Work\* ☒ Enabled ☐ Disabled

Wrapup Time\* ☒ Enabled  Second(s) ☐ Disabled

Resource Pool Selection Model\*

Service Level\*

Service Level Percentage\*

Prompt

\*- indicates required item

- A. This queue will not work because no prompt has been selected.
- B. Calls to this queue can be distributed in a round-robin manner between agents.
- C. Agents that are answering calls for this queue can answer calls to other queues if available.
- D. Agents in this queue are expected to finish (wrap-up) a call within 60 seconds.
- E. Calls to this queue are handled in the order they were received unless prioritized by the script.
- F. Changing the queue name from SupportQueue to Support01 requires updates to the script.
- G. Agents logged in to this queue automatically receive calls without the need to do anything else (automatic work).

**Answer: CEF**

**QUESTION 323**

A Cisco Unified Contact Center Express manager wants to add database integration to the self-service interactive voice response application. Which four types of licensing and database servers support this requirement? (Choose four.)

- A. The server must have enhanced licensing.
- B. The server must have premium licensing.
- C. A server running Sybase Adaptive Server is required.
- D. A server running Oracle is required.
- E. A server running PostgreSQL is required.
- F. A server running SAP SQL server is required.
- G. A server running Microsoft SQL server is required.
- H. The server must have standard licensing.

**Answer: BCDG**

**QUESTION 324**

Multiple Jabber for Windows users are having problems logging into the voicemail server. The Cisco Unity Connection administrator has reset the password and emailed them the new credentials, as well as the instructions about how to reset them in Jabber. The users cannot see the Phone Accounts tab under Jabber settings to complete the instructions. Which two steps resolve this issue? (Choose two.)

- A. In the Cisco Unified CM Jabber Service Profile, change the Credentials source for voicemail service to "not set".
- B. In Cisco Unified CM, create a MailStore service and assign it to the Jabber Service Profile as Primary.
- C. In the IM&P server CCMCIP Profile, uncheck the "Make this the default CCMCIP Profile for the system".
- D. In the IM&P server Enterprise Parameters Configuration, enable the Phone Personalization parameter.
- E. In the Cisco Unified CM Jabber Service Profile, uncheck "Make this the default service profile for the system".

**Answer: AB**

**QUESTION 325**

A customer has a single Active Directory domain with users in various email domains. Each user is associated to only one email domain. The customer wants their users to federate to external organizations using their email addresses. What two methods are used to set up the integration between Active Directory, Cisco Unified CM, and IM&P? (Choose two.)

- A. CUCM LDAP Attribute for User ID set to sAMAccountName, CUCM LDAP Directory URI set to mail, IM Address Scheme set to Directory URI
- B. CUCM LDAP Attribute for User ID set to mail, IM Address Scheme set to User ID
- C. CUCM LDAP Attribute for User ID set to sAMAccountName, CUCM LDAP Directory URI set to msRTCSIP-primaryuseraddress, IM Address Scheme set to Directory URI
- D. CUCM LDAP Attribute for User ID set to mail, CUCM LDAP Directory URI set to mail, IM Address Scheme set to Directory URI
- E. CUCM LDAP Attribute for User ID set to mail, IM Address Scheme set to mail

**Answer: AD**

**QUESTION 326**

A collaboration engineer is designing an Cisco IM&P implementation to support instant messaging logging for compliance. Which two external databases can be used to support that functionality? (Choose two.)

- A. Oracle database
- B. MySQL database
- C. Microsoft SQL database
- D. PostgreSQL database
- E. Informix SQL database

**Answer: AD**

**QUESTION 327**

Refer to the exhibit. A PSTN caller initiates an inbound call.

Which two dial peers can be selected as inbound dial peers? (Choose two.)

```
Jun  1 17:59:16.839: ISDN Se0/0/0:15 Q931: RX <- SETUP pd = 8  callref = 0x17FF
    Bearer Capability i = 0x8090A3
        Standard = CCITT
        Transfer Capability = Speech
        Transfer Mode = Circuit
        Transfer Rate = 64 kbit/s
    Channel ID i = 0xA98392
        Exclusive, Channel 18
    Progress Ind i = 0x8283 - Origination address is non-ISDN
    Calling Party Number i = 0x2181, '2014582589'
        Plan:ISDN, Type:National
    Called Party Number i = 0xC1, '6727498'
        Plan:ISDN, Type:Subscriber(local)
    Sending Complete
Jun  1 17:59:16.847: ISDN Se0/0/0:15 Q931: TX -> CALL_PROC pd = 8  callref = 0x97FF
    Channel ID i = 0xA98392
        Exclusive, Channel 18
PSTN_VG01#
```

- A. dial-peer voice 100 pots  
answer-address [2-9]..[2-9]...\$  
voice-port 0/0/0:23
- B. dial-peer voice 200 pots  
destination-pattern [2-9]..[2-9]..[2-9]...\$  
voice-port 0/1/0:15
- C. dial-peer voice 300 pots  
incoming called-number 704[2-9]...\$  
voice-port 0/1/0:15
- D. dial-peer voice 400 pots  
answer-address 672[2-9]...\$  
voice-port 0/0/0:15
- E. dial-peer voice 500 pots  
incoming called-number 6..[2345689]...\$  
voice-port 0/1/0:15

**Answer: BE**

**QUESTION 328**

Refer to the exhibit. A Cisco Unified CME administrator is configuring SNR for a line and has these requirements:

-The remote phone should receive the call after the local phones ring for 10 seconds.

-The ANI displayed on the remote phones should be the local extension number.

Which two configuration commands complete these requirements? (Choose two.)

```
ephone-dn 3 octo-line
  number 1645
  label 1645
  description John Doe
  name John Doe
  mobility

!
ephone-template 1
  softkeys idle Redial Newcall Mobility Cfgdall Pickup Dnd
  softkeys connected Endcall Hold Mobility
!
ephone 3
  device-security-mode none
  mac-address 0023.5EB7.2949
  ephone-template 1
  type 7962
  button 1:3
```

- A. snr 92875421 delay 15 timeout 10
- B. snr 92875421 delay 10 timeout 20
- C. snr calling-number local
- D. snr calling-number remote
- E. snr answer-too-soon 10

**Answer: BC**

**QUESTION 329**

Refer to the exhibit. A call is received on a Cisco Unified Border Element gateway.

The debug captures this SIP INVITE message.

Which configurations result in 915556781234 as the final called number?



```
Received:
INVITE sip:+15552341234@10.41.11.21:5060 SIP/2.0
Via: SIP/2.0/TCP 10.41.11.10:5060;branch=z9hG4bK4bb12565f6120d
Via: SIP/2.0/TCP 10.10.20.20:5060;branch=z9hG4bK2d4790;received=192.0.2.111
Via: SIP/2.0/TCP 10.50.40.30:5060;branch=z9hG4bK2d6014;received=192.0.2.20
From: "Test" <sip:5559874321@customer.com>;tag=15269661~58798a82-6f11-4d0c-9024-092b2761f953-71117600
To: <sip:+15552341234@10.41.11.21>
Cisco-Guid: 2960899712-0000065536-0000112086-0202057994
P-Asserted-Identity: "Test" <sip:5559874321@customer.com>
Remote-Party-ID: "Test" <sip:5559874321@customer.com>;party=calling;screen=yes;privacy=off
Contact: <sip:5559874321@10.41.11.10:5060;transport=tcp>
```

```
voice translation-rule 1
rule 1 /\+/ //
!
voice translation-rule 2
rule 1 /\+1/ //
!
voice translation-rule 3
rule 1 /\+1/ /91/
!
voice translation-profile 1
translate called 1
voice translation-profile 2
translate called 2
voice translation-profile 3
translate called 3
```

- A. voice class uri 1 sip  
host ipv4:10.41.11.10  
!  
voice class uri 2 sip  
host ipv4:10.50.40.30  
!  
dial-peer voice 1 voip  
incoming uri via 1  
translation-profile incoming 1  
!  
dial-peer voice 2 voip  
incoming uri via 2  
translation-profile incoming 2  
!  
dial-peer voice 3 voip  
incoming called-number +1T  
translation-profile incoming 3
- B. voice class uri 1 sip  
host dns:customer.com  
voice class uri 2 sip  
host ipv4:10.50.40.30  
dial-peer voice 1 voip  
incoming uri via 1  
translation-profile incoming 1  
dial-peer voice 2 voip  
incoming uri via 2  
translation-profile incoming 2  
dial-peer voice 3 voip  
incoming called-number +1T  
translation-profile incoming 3
- C. voice class uri 1 sip  
host ipv4:10.41.11.10  
voice class uri 2 sip  
host ipv4:10.50.40.30  
dial-peer voice 1 voip

incoming called-number +1[2-9]..[2-9].....  
translation-profile incoming 3  
dial-peer voice 2 voip  
incoming uri via 2  
translation-profile incoming 2  
dial-peer voice 3 voip  
incoming called-number [2-9]..[2-9].....  
translation-profile incoming 1

- D. voice class uri 1 sip  
host dns:customer.com  
voice class uri 2 sip  
host ipv4:10.50.40.30  
dial-peer voice 1 voip  
incoming uri via 1  
translation-profile incoming 1  
dial-peer voice 2 voip  
incoming uri via 2  
translation-profile incoming 1  
dial-peer voice 3 voip  
incoming called-number +1T  
translation-profile incoming 3
- E. voice class uri 1 sip  
host ipv4:10.41.11.10  
voice class uri 2 sip  
host ipv4:10.50.40.30  
voice class uri 3 sip  
host dns:customer.com  
dial-peer voice 1 voip  
incoming uri via 1  
translation-profile incoming 2  
dial-peer voice 2 voip  
incoming uri via 2  
translation-profile incoming 1  
dial-peer voice 3 voip  
incoming uri via 3  
incoming called-number +1T  
translation-profile incoming 1
- F. voice class uri 1 sip  
host ipv4:10.41.11.10  
voice class uri 2 sip  
host ipv4:10.50.40.30  
voice class uri 3 sip  
host dns:customer.com  
dial-peer voice 1 voip  
incoming uri via 1  
translation-profile outgoing 3  
dial-peer voice 2 voip  
incoming uri via 2  
translation-profile incoming 2  
dial-peer voice 3 voip  
incoming called-number +1T  
translation-profile incoming 2

**Answer: B**

**QUESTION 330**

An engineer received this requirement from a service provider:

Diversion header should match the network DID "123456@company.com" for Call Forward and transfer scenarios back to PSTN.

Which SIP profile configuration satisfies this request?

- A. voice class sip-profiles 200  
request INVITE sip-header Diversion modify "sip:(.\*)" "123456@company.com">  
request REINVITE sip-header Diversion modify "sip:(.\*)" "123456@company.com">
- B. voice class sip-profiles 200  
request INVITE sdp-header Diversion modify "sip:(.\*)" "123456@company.com">  
request REINVITE sdp-header Diversion modify "sip:(.\*)" "123456@company.com">
- C. voice class sip-profiles 200  
response 200 sdp-header Diversion modify "sip:(.\*)" "123456@company.com">
- D. voice class sip-profiles 200  
response 200 sip-header Diversion modify "sip:(.\*)" "123456@company.com">

**Answer: A**

**QUESTION 331**

Refer to the exhibit. Which three options are potential reasons the FXO port is not receiving Caller ID? (Choose three.)

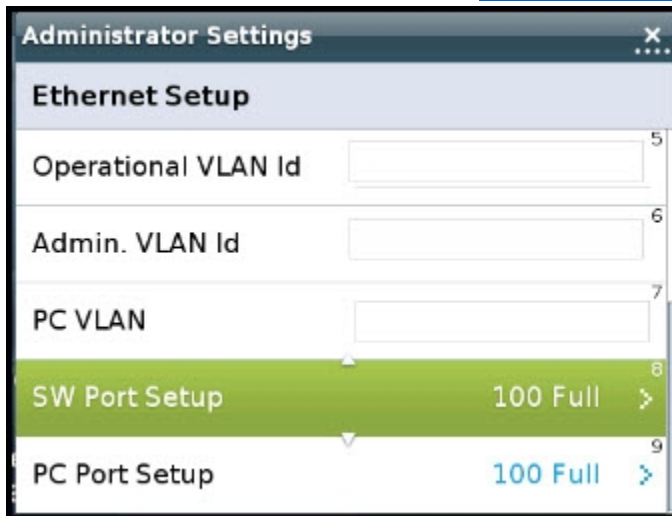
```
38587249.000 |18:49:37.585 |AppInfo |MGCPHandler received msg from: 10.163.25.1
NTFY 416258700 aaln/S0/SU0/0@cisco.com MGCP 0.1
N: ca@10.163.34.5:2427
X: 0
O: H/ci("", "", 0)
```

- A. "Enable Caller ID" was not configured on the Cisco Unified Communications Manager configuration.
- B. The FXO port was configured to "loop-start" instead of "ground-start".
- C. The Timing Guard-out parameter is incorrectly set to 1500 ms.
- D. "Connection polar opx immediate" was used and does support caller ID.
- E. Gateway with IOS 12.4(24T) was used and does not support this feature.
- F. The NTFY message contains a Hung Up parameter.

**Answer: ACE**

**QUESTION 332**

Refer to the exhibit. Which three Ethernet Setup Administrator Settings are manually configurable locally on the Cisco 9971 IP phone? (Choose three)



- A. Operational VLAN Id
- B. Admin VLAN Id
- C. PC VLAN
- D. SW Port Setup
- E. PC Port Setup

**Answer:** BDE

**QUESTION 333**

Refer to the exhibit. What caused this message on a Cisco 9971 IP phone, connected to a Cisco 3750X PoE switch, when a mobile phone is plugged into the IP Phone's back USB port?



- A. The back USB port only supports Cisco USB devices such as a Cisco Unified Video camera
- B. USB classes for this USB port are not properly configured
- C. The USB port is not enabled by the administrator
- D. The mobile phone is requesting more power than the USB port could provide
- E. USB devices are not supported when the IP phone is powered by a Cisco PoE switch

**Answer: D**

**QUESTION 334**

Under which three conditions will a Cisco 9971 IP Phone request the "xmldefault.cnf.xml" file from a TFTP server in a Cisco Unified CM cluster? (Choose three)

- A. The phone is registered to the CUCM cluster but need to update its firmware
- B. The phone is attempting to register to the CUCM cluster for the first time
- C. Auto-registration is disabled on CUCM cluster
- D. The phone has not yet been defined in the CUCM database
- E. The phone is attempting to change from SIP firmware to SCCP firmware
- F. Auto-registration is enabled on CUCM cluster

**Answer: BDF**

**QUESTION 335**

Which two options are Power Save configuration parameters for Cisco 9971 IP Phones? (Choose two.)

- A. Phone On Time
- B. Phone Off Idle Timeout
- C. Day Display Not Active
- D. Enable Audio Alert
- E. Enable Power Save Plus
- F. Display on Duration

**Answer: CF**

**QUESTION 336**

Which Cisco Unified CM Application user is created by default and used by Cisco Unified CM Extension Mobility?

- A. CCMAAdministrator
- B. EMSysUser
- C. TabSyncSysUser
- D. CCMSysUser
- E. CTIGWUser

**Answer: D**

**QUESTION 337**

Tom Lee is an active user in a Cisco Unified CM deployment with fully functional LDAP synchronization and authentication to an Active Directory.

Daily resynchronization is set at 11:00 pm. At 8:00 am on March 1st 2014, this user was deleted from the AD.

What will Tom Lee experience when he attempts to log in Extension Mobility at an IP phone and then access his Unified CM User Options page on his PC, at 9:00 am on March 1st 2014?

- A. Extension Mobility will not work, but the User Options page will work.
- B. Extension Mobility and the User Options page will not work.
- C. Extension Mobility will work, but the User Options page will not work.
- D. Extension Mobility and the User Options page will work.
- E. The information provided is insufficient to answer this question.

**Answer: C**

**QUESTION 338**

Tom Lee is an active user in a Cisco Unified CM deployment with fully functional LDAP synchronization and authentication to an Active Directory. Daily resynchronization is set at 11:00 pm. At 8:00 am on March 1st 2014, this user was deleted from the AD.

What is the status of this user in the Unified CM database at 1:00 am on March 2nd 2014?

- A. active
- B. inactive
- C. delete pending
- D. awaiting authorization
- E. permanently deleted

**Answer: B**



**QUESTION 339**

Which option is a mandatory LDAP attribute for a user to be synchronized to Cisco Unified Communications Manager?

- A. uid
- B. telephoneNumber
- C. employeeNumber
- D. sn
- E. mail

**Answer: D**

**QUESTION 340**

Which three softkeys can be offered on a Cisco IP Phone 7965, running SCCP firmware, when it is in On Hold state? (Choose three.)

- A. Select
- B. Confm
- C. NewCall
- D. EndCall
- E. iDivert
- F. Park
- G. Hold

**Answer: ACE**

**QUESTION 341**

Which two SCCP call states support the MeetMe softkey? (Choose two.)

- A. On Hook
- B. Connected
- C. On Hold
- D. Off Hook
- E. Ring Out
- F. Connected Conference

**Answer: AD**

**QUESTION 342**

Which option is a mandatory softkey for a Cisco IP 7965, running SCCP firmware, in the Off Hook call state?

- A. Redial
- B. NewCall
- C. EndCall
- D. CfwdAll
- E. There is no mandatory softkey in the Off Hook call state.

**Answer: E**

**QUESTION 343**

Which three softkeys can be offered on a Cisco IP Phone 7965, running SCCP firmware, when it is in Remote In Use state? (Choose three.)

- A. Resume
- B. EndCall
- C. Select
- D. Barge
- E. NewCall
- F. cBarge
- G. Join

**Answer: DEF**

**QUESTION 344**

Which Cisco Unified IP Phone supports the most number of speed dial phone buttons?

- A. Cisco Unified 7961
- B. Cisco Unified 7965
- C. Cisco Unified 7975
- D. Cisco Unified 9951
- E. Cisco Unified 9971

**Answer: C**

**QUESTION 345**

Refer to the exhibit. Assume there are no classes of service restrictions and all numbers shown are reachable from this Cisco Unified IP 7965 Phone. Which statement about the dialing key strokes that allow the owner of this phone to reach directory number 2000 is true?

The screenshot shows the Cisco Unified CM Administration interface for a Cisco 7965 phone. The top navigation bar includes System, Call Routing, Media Resources, Advanced Features, Device, Application, User Management, Bulk Administration, and Help. The main section is titled 'Phone Configuration' and includes a toolbar with Save, Delete, Copy, Reset, Apply Config, and Add New buttons. Below the toolbar, there is a 'Status' section indicating 'Update successful'. The 'Association Information' section shows a list of line buttons, including 'Line [1] - 1002 (no partition)', 'Line [2] - Add a new DN', and several speed dial buttons (1000, 1001, 1003, 1004, 2000, 2001, 2002). The 'Phone Type' section shows 'Product Type: Cisco 7965' and 'Device Protocol: SCCP'. The 'Device Information' section includes fields for Registration, IP Address, Active Load ID, Download Status, Device is Active, Device is trusted, MAC Address\*, Description, Device Pool\*, Common Device Configuration, Phone Button Template\*, Softkey Template, and Common Phone Profile\*.

Association Information	
1	Line [1] - 1002 (no partition)
2	Line [2] - Add a new DN
3	1000
4	1001
5	1003
6	1004
----- Unassigned Associated Items -----	
7	2000
8	2001
9	2002
10	Add a new SURF
11	Add a new BLF SD

Phone Type	
Product Type:	Cisco 7965
Device Protocol:	SCCP

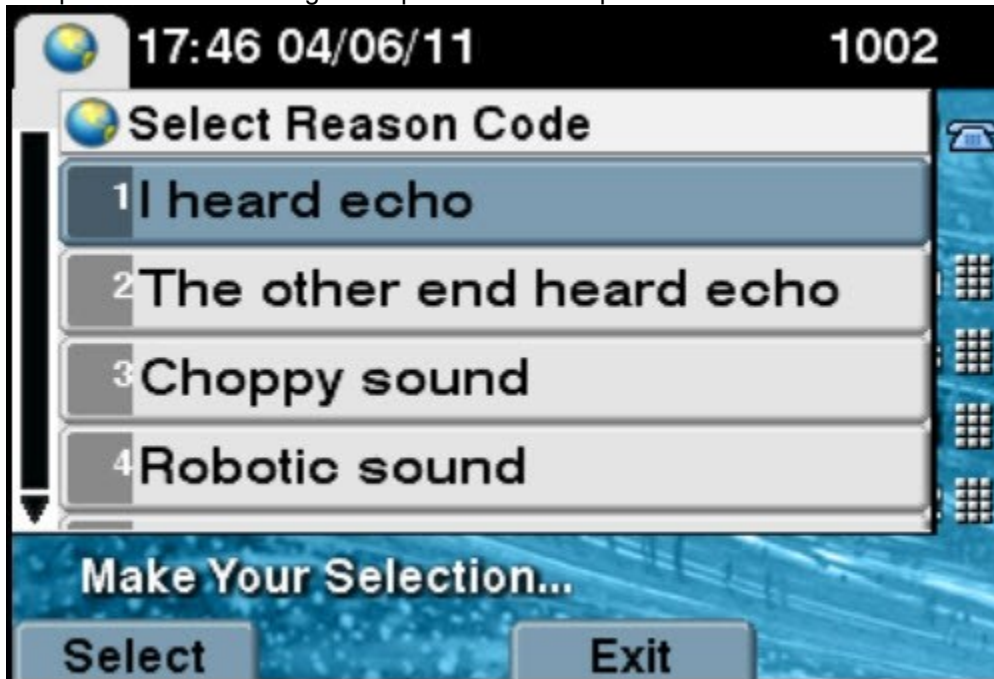
Device Information	
Registration	Registered with Cisco Unified Communications Manager
IP Address	
Active Load ID	SCCP45.9-3-1SR1-1S
Download Status	Unknown
Device is Active	<input checked="" type="checkbox"/>
Device is trusted	<input checked="" type="checkbox"/>
MAC Address*	EC44761E44CC
Description	Auto 1002
Device Pool*	Default
Common Device Configuration	< None >
Phone Button Template*	Standard 7965 SCCP
Softkey Template	Standard User
Common Phone Profile*	Standard Common Phone Profile

- A. Press the last button on the right hand side of the phone screen.
- B. There is no way to speed dial to directory number 2000 because the speed dial entry is not assigned.
- C. Press 7 on the phone keypad, followed by the Dial softkey.
- D. Press 6 on the phone keypad, followed by the Dial softkey.
- E. Press 5 on the phone keypad, followed by the AbbrDial softkey.

**Answer: E**

**QUESTION 346**

Refer to the exhibit. Which Cisco Unified CM service interfaces with Cisco IP Phones to allow users to report audio and other general problems on the phones?



- A. Cisco Serviceability Reporter
- B. Cisco Audit Event Service
- C. Cisco CallManager Serviceability
- D. Cisco Extended Functions
- E. Cisco RTMT Reporter Servlet

**Answer: D**

**QUESTION 347**

The Information Technologies policy of your company mandates logging of all unsuccessful calls that resulted in reorder tone in Call Detail Records. Which option is the minimum Cisco Unified CM Service Parameter configuration that is needed to ensure compliance to this policy?

- A. Set CDR Enabled Flag and CDR Log Calls with Zero Duration Flag to True.
- B. Set CDR Enabled Flag to True and set Call Diagnostics Enabled to Enable Only When CDR Enabled Flag is True.
- C. Set CDR Enabled Flag to True and set Call Diagnostics Enabled to Enable Regardless of CDR Enabled Flag.

D. Leave CDR Enabled Flag and Call Diagnostics Enabled to their default settings.

**Answer: A**

**QUESTION 348**

Drag and Drop Question

Drag and drop the Cisco Unified CM database replication status values on the left to the correct replication status definition on the right.

0	Replication setup did not succeed
1	Logical connections successful and all tables match between servers
2	Incorrect replicate counts
3	Replication did not start or is still initializing
4	Logical connections established but tables did not match

**Answer:**

0	4
1	2
2	1
3	0
4	3

**QUESTION 349**

An engineer notices that two Cisco utility Connection servers in a cluster are in split-brain mode. The engineer corrects a network issue that allows the two servers to communicate again. Which two statements describe negative effects of this event? (Choose two)

- A. A user calling in to check their voicemail during the recovery may be informed that their messages are not available.
- B. Message waiting lights can become out of sync after the split-brain recovery. Forcing the administrator to run an MWI Synchronization.
- C. The replication between the nodes becomes defunct, requiring the administrator to run `utils cuc cluster activate` to re-establish intracuster.
- D. A message left on the subscriber server during the outage may be lost during the cluster recovery.

- E. The replication between the nodes becomes defunct, requiring the administrator to run `utils cuc cluster renegotiate` to re-establish intracluster communication.
- F. The Unity Connection Database can become corrupted, causing the need to reinstall the subscriber server.

**Answer: AC**

**QUESTION 350**

Which two power saving parameters are available on a Cisco 9971 IP Phone only when it is connected to a Cisco switch with the EnergyWise feature enabled? (Choose two)

- A. Enable Power Save Plus
- B. Power Negotiation
- C. Phone On Time
- D. Display on Time
- E. LLDP Power Priority
- F. Day Display Not Active

**Answer: AC**

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