

350-801 Dumps

Implementing and Operating Cisco Collaboration Core Technologies

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NEW QUESTION 1

Which Cisco Unified Communications Manager configuration is required for SIP MWI integrations?

- A. Select "Redirecting Diversion Header Delivery - Inbound" on the SIP trunk.
- B. Enable "Accept presence subscription" on the SIP Trunk Security Profile.
- C. Enable "Accept unsolicited notification" on the SIP Trunk Security Profile.
- D. Select "Redirecting Diversion Header Delivery - Outbound" on the SIP trunk.

Answer: A

NEW QUESTION 2

An engineer with troubleshoots poor voice quality on multiple calls. After looking at packet captures, the engineer notices high levels of jitter. Which two areas does the engineer check to prevent jitter? (Choose two.)

- A. The network meets bandwidth requirements.
- B. MTP is enabled on the SIP trunk to Cisco Unified Border Element.
- C. Cisco UBE manages voice traffic, not data traffic.
- D. All devices use wired connections instead of wireless connections.
- E. Voice packets are classified and marked.

Answer: AE

Explanation:

Reference: <https://www.cisco.com/c/en/us/support/docs/voice/voice-quality/20371-troubleshoot-qos-voice.html>

NEW QUESTION 3

On which Cisco Unified Communications Manager nodes can the TFTP service be enabled?

- A. any node
- B. any two nodes
- C. only nodes that have Cisco Unified CM service enabled
- D. any subscriber nodes

Answer: C

Explanation:

You can configure the TFTP service on the first node or a subsequent node, but usually you should configure it on the first node. For small systems, the TFTP server can coexist with a Cisco Unified Communications Manager on the same server.

NEW QUESTION 4

Which issue causes slips on a PRI?

- A. incorrect clock source
- B. incorrect encapsulation
- C. incorrectly configured time zone
- D. change in the line code

Answer: A

NEW QUESTION 5

Which command is used in Cisco IOS XE TDM gateway to configure the voice T1/E1 controller to provide clocking?

- A. clock source line
- B. Cisco IOS XE TDM gateway T1/E1 controller cannot provide clocking.
- C. clocking source internal
- D. clocking source network

Answer: C

Explanation:

Reference: <https://www.cisco.com/c/en/us/td/docs/routers/access/interfaces/NIM/software/configuration/guide/4gen-t1-e1-nim-guide.html>

NEW QUESTION 6

Refer to the exhibit.

```
C:\Users\CISCO>nslookup
Default Server: dns.example.com
Address: 192.168.100.1

>set type=SRV
>_collab-edge._tcp.example.com
Server: dns.example.com
Address: 192.168.100.1

Non-authoritative answer:
_collab-edge._tcp.example.com          SRV service location:
    priority      = 10
    weight        = 10
    port          = 8443
    srv hostname  = expe.example.com
```

You deploy Mobile and Remote Access for Jabber and discover that Jabber for Windows does not register to Cisco Unified Communication Manager while outside of the office. What is a cause of this issue?

- A. Server 4.2.2.2 is not a valid DNS server.
- B. The DNS record should be created for _cisco-uds._tcp.example.com.
- C. The DNS record should be changed from _collab-edge._tcp.example.com to _collab-edge._tls.example.com.
- D. The DNS record type should be changed from SRV to A.

Answer: C

Explanation:

Reference: https://www.cisco.com/c/en/us/td/docs/voice_ip_comm/jabber/Windows/9_7/CJAB_BK_C606D8A9_00_cisco-jabber-dns-configuration-guide/CJAB_BK_C606D8A9_00_cisco-jabber-dns-configuration-guide_chapter_010.html

NEW QUESTION 7

Refer to the exhibit.

```
INVITE sip:1@10.10.10.219;user=phone SIP/2.0
Via: SIP/2.0/TCP 10.10.10.84:50083;branch=z9hG4bK471df613
From: "1234 - My Phone" <sip:1234@10.10.10.219>;tag=381claba7a78002c558eda31-12b8af63
To: <sip:1@10.10.10.219>
Call-ID: 381claba-7a78000d-4ca6894a-41dd3e0f@10.10.10.84
Max-Forwards: 70
CSeq: 101 INVITE
Contact: <sip:1234@10.10.10.84:50083;transport=tcp>
Allow: ACK,BYE,CANCEL,INVITE,NOTIFY,OPTIONS,REFER,REGISTER,UPDATE,SUBSCRIBE,INFO
Allow-Events: kpml,dialog
Content-Type: application/sdp
Content-Length: 658

v=0
o=Cisco-SIPUA 26529 0 IN IP4 10.10.10.84
s=SIP Call
b=AS:4064
t=0 0
m=audio 32136 RTP/AVP 114 9 124 113 115 0 8 116 18
c=IN IP4 10.10.10.84
b=TIAS:64000
a=rtpmap:114 opus/48000/2
a=fmtp:114
maxplaybackrate=16000;sprop-maxcapture=16000;maxaveragebitrate=64000;stereo=0;sprop-
stereo=0;usedtx=0
a=rtpmap:9 G722/8000
a=rtpmap:124 ISAC/16000
a=rtpmap:113 AMR-WB/16000
a=fmtp:113 octet-align=0,mode-change-capability=2
a=rtpmap:115 AMR-WB/16000
a=fmtp:115 octet-align=1,mode-change-capability=2
a=rtpmap:0 PCMU/8000
a=rtpmap:8 PCMA/8000
a=rtpmap:116 iLBC/8000
a=fmtp:116 mode=20
a=rtpmap:18 G729/8000
a=fmtp:18 annexb=yes
a=sendrecv
```

When a UC Administrator is troubleshooting DTMF negotiated by this SIP INVITE, which two messages should be examined next to further troubleshoot the issue? (Choose two.)

- A. REGISTER
- B. UPDATE
- C. PRACK
- D. NOTIFY
- E. SUBSCRIBE

Answer: DE

NEW QUESTION 8

An administrator recently upgraded a Cisco Webex DX80 through its web interface but discovered the next morning that the unit has received to its previous version. What must the administrator do to prevent this from happening again?

- A. Assign a phone security profile with secure SIP.
- B. Set the prepare cluster for rollback to pre-8-0 enterprise parameter to true.
- C. Confirm the phone load name in the phone configuration.
- D. Assign a universal device template to the phone.

Answer: C

NEW QUESTION 9

What field is configured to change the caller ID information on a SIP route pattern?

- A. Route Partition
- B. Called Party Transformation Mask
- C. Calling Party Transformation Mask
- D. Connected Line ID Presentation

Answer: D

Explanation:

Reference: https://www.cisco.com/c/en/us/td/docs/voice_ip_comm/cucm/admin/10_0_1/ccmcfg/CUCM_BK_C95ABA82_00_admin-guide-100/CUCM_BK_C95ABA82_00_admin-guide-100_chapter_0100111.pdf

NEW QUESTION 10

An engineer configures Cisco Unified Communications Manager to prevent toll fraud. At which two points does the engineer block the pattern in Cisco Unified CM to complete this task? (Choose two.)

- A. route pattern
- B. route group
- C. translation pattern
- D. partition
- E. CSS

Answer: CE

NEW QUESTION 10

What causes poor voice quality and video pixelization in a video call?

- A. The QoS is configured incorrectly.
- B. A firewall is blocking the RTP ports.
- C. Cisco Unified Communications Manager is configured to use G.711 instead of G.729.
- D. 1 Gbps network ports are used instead of 100 Mbps network ports.

Answer: A

NEW QUESTION 11

Which action is required if an engineer wants to have Cisco Unified Communications Manager control the configuration for an MGCP gateway?

- A. Apply the ccm-manager configuration commands to the gateway.
- B. Upload the custom configuration in the TFTP server in Cisco Unified CM.
- C. From Cisco Unified CM > Device > Gateway > Add gateway, check the auto-configuration check box.
- D. Configure the Cisco Unified CM's IP in voice service VoIP.

Answer: C

NEW QUESTION 14

Which two conditions must a user meet to provision a new device using the Self-Provisioning feature? (Choose two.)

- A. The user must have a primary extension.
- B. At least two DNS must be assigned to the user device.
- C. The user must be part of "Standard CCM Super User".
- D. The user must have the appropriate universal device template linked to the user profile.
- E. The user must have at least user device profile assigned.

Answer: AD

NEW QUESTION 18

How many DNS SRV entries can be defined in the SIP trunk destination address field in Cisco Unified Communications Manager?

- A. 1
- B. 8

- C. 16
- D. 4

Answer: C

Explanation:

Reference: https://www.cisco.com/c/en/us/td/docs/voice_ip_comm/cucm/admin/11_5_1/sysConfig/CUCM_BK_SE5DAF88_00_cucm-system-configuration-guide-1151/CUCM_BK_SE5DAF88_00_cucm-system-configuration-guide1151_chapter_01110.html

NEW QUESTION 21

Which call flow matches traffic from a Mobile and Remote Access registered endpoint to central call control?

- A. Endpoint > Expressway-E > Expressway-C > Cisco Unified CM
- B. Endpoint > Expressway-E > Cisco Unified CM
- C. Endpoint > Expressway-C > Cisco Unified CM
- D. Endpoint > Expressway-C > Expressway-E > Cisco Unified CM

Answer: A

NEW QUESTION 22

Refer to the exhibit.

```
v=0
o=Cisco-SIPUA 13439 0 IN IP4 10.10.10.10
s=SIP Call
b=AS:4064
t=0 0
m=audio 0 RTP/AVP 114 9 124 113 115 0 8 116 18 101
c=IN IP4 10.10.10.10
b=TIAS:64000
a=rtpmap:114 opus/48000/2
a=fmtp:114 maxplaybackrate=16000;sprop-maxcapture=16000;maxaveragebitrate=64000;stereo=0;sprop-stereo=0;usedtx=0
a=rtpmap:9 G722/8000
a=rtpmap:124 ISAC/16000
a=rtpmap:113 AMR-WB/16000
a=fmtp:113 octet-align=0,mode-change-capability=2
a=rtpmap:115 AMR-WB/16000
a=fmtp:115 octet-align=1,mode-change-capability=2
a=rtpmap:0 PCMU/8000
a=rtpmap:8 PCMA/8000
a=rtpmap:116 iLBC/8000
a=fmtp:116 mode=20
a=rtpmap:18 G729/8000
a=fmtp:18 annexb=yes
a=rtpmap:101 telephone-event/8000
a=fmtp:101 0-15
a=sendrecv
```

A call is failing to establish between two SIP Devices The called device answers with this SOP. Which SDP parameter causes this issue?

- A. The payload for G.711ulaw must be 18.
- B. The calling device did not offer aptime value.
- C. The media stream is set to sendonly.
- D. The RTP port is set to 0.

Answer: D

NEW QUESTION 27

Regarding SIP integrations with Cisco Unified Communications Manager, if the Cisco Unity Connection is configured to listen for incoming IPv4 and IPv6 traffic, how should the addressing mode be set up in the Cisco Unity Connection?

- A. Set up is not required.
- B. Set up for each group to use IPv4 and IPv6.
- C. Set up media ports for each port group to use IPv4.
- D. Set up IPv4 and IPv6 in Cisco Unified CM.

Answer: B

NEW QUESTION 31

An engineer with ID012345678 must build an international dial plan in Cisco Unified Communications Manager. Which action should be taken when building a variable-length route pattern?

- A. reduce the T302 timer to less than 4 seconds
- B. configure single route pattern for international calls
- C. create a second route pattern followed by the # wildcard
- D. set up all international route patterns to 0.!

Answer: A

NEW QUESTION 32

Refer to the exhibit

```
INVITE sip:2002@10.10.10.10:5060 SIP/2.0
[..truncated..]
v=0
o=UAC 6107 7816 IN IP4 10.10.10.11
s=SIP Call
c=IN IP4 10.10.10.11
t=0 0
m=audio 8190 RTP/AVP 18 110
c=IN IP4 10.10.10.11
a=rtpmap:18 G729/8000
a=fmtp:18 annexb=no
a=rtpmap:110 telephone-event/8000
a=fmtp:110 0-16
a=ptime:20

SIP/2.0 200 OK
[..truncated..]
v=0
o=UAS 4692 9609 IN IP4 10.10.10.10
s=SIP Call
c=IN IP4 10.10.10.10
t=0 0
m=audio 8056 RTP/AVP 18
c=IN IP4 10.10.10.10
a=rtpmap:18 G729/8000
a=fmtp:18 annexb=no
a=ptime:20
```

The SDP offer/answer has been completed successfully but there is no DTMF when users press keys. What is the cause of the issue?

- A. DTMF was negotiated properly in these messages.
- B. G.729 rather than G.711ulaw was negotiated.
- C. Payload type 110 was negotiated rather than type 101.
- D. DTMF was not negotiated on the call.

Answer: D

NEW QUESTION 33

Which two types of device are supported by the Bulk Administration Tool? (Choose two.)

- A. H.322 clients
- B. Cisco Unified IP phones (all models)
- C. SIP trunks
- D. H.225 trunks
- E. music on hold servers

Answer: AB

NEW QUESTION 35

Which two functionalities does Cisco Expressway provide in the Cisco Collaboration architecture? (Choose two.)

- A. Survivable Remote Site Telephony functionality
- B. customer interaction management services
- C. secure firewall and NAT traversal for mobile or remote Cisco Jabber and TelePresence Video endpoints
- D. MGCP gateway registration
- E. Secure business-to-business communications

Answer: CE

NEW QUESTION 40

A remote office has a less-than-optimal WAN connection and experiences packet loss, delay, and jitter. Which VoIP codec should be used in this situation?

- A. G.711ulaw
- B. iLBC
- C. G.722.1
- D. G.729A

Answer: D

Explanation:

Reference: <https://community.cisco.com/t5/collaboration-voice-and-video/summary-of-cucm-supported-codecs/ta-p/3162905>

NEW QUESTION 43

A collaboration engineer must configure Cisco Unified Border Element to support up to five concurrent outbound calls across an Ethernet link with a bandwidth of 160 kb to the Internet Telephony Service Provider. Which set of commands allows the engineer to complete the task without compromising voice quality?

- A. dial-peer voice 1 voip translation-profile outgoing Strip9 max-conn 5 destination-pattern 91[2-9]..[2-9].....\$session protocol sipv2 session target ipv4:142.45.10.1 dtmf-relay rtp-nte sip-notify sip-kpml
- B. dial-peer voice 1 voip translation-profile outgoing Strip9 max-conn 5 destination-pattern 91[2-9]..[2-9].....\$ session protocol sipv2 session target ipv4:142.45.10.1 dtmf-relay rtp-nte sip-notify sip-kpml codec ilbc mode 20
- C. dial-peer voice 1 voip translation-profile outgoing Strip9 max-conn 5 destination-pattern 91[2-9]..[2-9].....\$ session protocol sipv2 session target ipv4:142.45.10.1 dtmf-relay rtp-nte sip-notify sip-kpml codec aacld
- D. dial-peer voice 1 voip translation-profile outgoing Strip9 max-conn 5 destination-pattern 91[2-9]..[2-9].....\$ session protocol sipv2 session target ipv4:142.45.10.1 dtmf-relay rtp-nte sip-notify sip-kpml codec mp4a-latm

Answer: B

NEW QUESTION 45

A customer is deploying a SIP IOS gateway for a customer who requires that in-band DTMF relay is first priority and out-of-band DTMF relay is second priority. Which IOS entry sets the required priority?

- A. dtmf-relay rtp-nte sip-notify B.dtmf-relay cisco-rtp
- B. sip-notify dtmf-relay rtp-nte
- C. dtmf-relay sip-kpml cisco-rtp

Answer: A

NEW QUESTION 47

Which method is used to avoid toll fraud with Cisco Unified Communications Manager calls?

- A. call policy service
- B. TOLLFRAUD_APP
- C. default zone access rules
- D. class of service

Answer: D

NEW QUESTION 49

Which access control group is required on an end user to allow Jabber to do deskphone mode?

- A. Allow Control of Device from CTI
- B. Standard CTI Enabled
- C. Standard CTI Allow Reception of SRTP Key Material
- D. Standard CTI Secure Connection

Answer: B

NEW QUESTION 51

A customer wants a video conference with five Cisco TelePresence IX5000 Series systems. Which media resource is necessary in the design to fully utilize the immersive functions?

- A. Cisco PVDM4-128
- B. software conference bridge on Cisco Unified Communications Manager
- C. Cisco Webex Meetings Server
- D. Cisco Meeting Server

Answer: C

NEW QUESTION 53

Which issue can occur if QoS is not deployed on a Cisco Collaboration architecture across the WAN?

- A. 403 Forbidden errors on SIP calls
- B. excessive jitter
- C. unexpected shut-down on Cisco Unified Communications Manager
- D. packet fragmentation

Answer: B

NEW QUESTION 58

Which transport protocol does the application layer protocol SNMP use?

- A. XML
- B. UDP
- C. SIP
- D. HTTP

Answer: B

Explanation:

Reference: <https://www.geeksforgeeks.org/simple-network-management-protocol-snmp/>

NEW QUESTION 59

Which two functions are provided by Cisco Expressway Series? (Choose two.)

- A. interworking of SIP and H.323
- B. endpoint registration
- C. intercluster extension mobility
- D. voice and video transcoding
- E. voice and video conference

Answer: AD

Explanation:

Reference: https://www.cisco.com/c/dam/en/us/td/docs/voice_ip_comm/expressway/config_guide/X8-11/Cisco-Meeting-Server-2-4-with-Cisco-Expressway-Deployment-Guide_X8-11-4.pdf

NEW QUESTION 61

When a remote office location is set up with limited bandwidth resources, which codec carries the most voice calls?

- A. G.711
- B. G.722
- C. G.723
- D. G.729

Answer: D

Explanation:

Reference: https://www.cisco.com/c/en/us/td/docs/voice_ip_comm/cucm/srnd/collab10/collab10/media.html

NEW QUESTION 63

Which call routing pattern is used for phone numbers that are in the E.164 format?

- A. \+! Route Pattern
- B. \+! Translation Pattern
- C. /+! Route Pattern
- D. \+1.[2-9]XX[2-9]XXXXXX Called Party Transformation Pattern

Answer: D

Explanation:

Reference: https://www.cisco.com/c/en/us/td/docs/voice_ip_comm/cucm/srnd/collab12/collab12/dialplan.html#pgfId-1591747

NEW QUESTION 67

Which two DNS records must be created to configure Service Discovery for or premises Jabber? (Choose two.)

- A. _cisco-uds._tls.cisco.com pointing to the IP address of Cisco Unified Communications Manager
- B. _cuplogin._tcp.cisco.com pointing to a record of IM&P
- C. _cuplogin._tls.cisco.com pointing to the IP address of IM&P
- D. _cisco-uds._tcp.cisco.com pointing to a record of Cisco Unified CM
- E. _xmpp._tls.cisco.com pointing to a record of IM&P

Answer: AB

Explanation:

Reference: https://www.cisco.com/c/en/us/td/docs/voice_ip_comm/jabber/Windows/9_7/CJAB_BK_C606D8A9_00_cisco-jabber-dns-configuration-guide/CJAB_BK_C606D8A9_00_cisco-jabber-dns-configuration-guide_chapter_010.html

NEW QUESTION 72

Why would we not include an end user's PC device in a QoS trust boundary?

- A. The end user could incorrectly tag their traffic to bypass firewalls.
- B. The end user may incorrectly tag their traffic to be prioritized over other network traffic.
- C. There is no reason not to include an end user's PC device in a QoS trust boundary.
- D. The end user could incorrectly tag their traffic to advertise their PC as a default gateway.

Answer: B

NEW QUESTION 76

DRAG DROP

According to the QoS Baseline Model, drag and drop the applications from the left onto the correct Per-Hop Behavior values on the right.

voice	AF11
interactive video	CS2
bulk data	EF
call-signaling	AF31/CS3
network management	AF41

- A. Mastered
- B. Not Mastered

Answer: A

Explanation:

voice	bulk data
interactive video	network management
bulk data	voice
call-signaling	call-signaling
network management	interactive video

NEW QUESTION 79

A user dials 9011841234567 to reach Vietnam. Which steps send the call to the PSTN provider as 011841234567?

- A. in the Called Party Transformation Pattern Configuration section, configure the Pattern as 9.011841234567
configure the Discard Digits as Predot
- A. in the Calling Party Transformation Patterns section, configure the Pattern as 9.011841234567
configure the Discard Digits as Predot 10-10-Dialing
- B. in the Called Party Transformation Pattern Configuration section, configure the Pattern as 9.011841234587
configure the Discard Digits as Predot 10-10-Dialing
- C. in the Calling Party Transformation Patterns section, configure the Pattern as a 011841234557
configure the Discard Digits as Predot

Answer: A

NEW QUESTION 83

When a phone is registered over Mobile and Remote Access, where does it register?

- A. Cisco Unified Presence Server
- B. Expressway-E
- C. Cisco Unified Communications Manager
- D. Expressway-C

Answer: B

Explanation:

Reference: https://www.cisco.com/c/en/us/td/docs/voice_ip_comm/cucm/admin/12_0_1/systemConfig/cucm_b_system-configuration-guide-1201/cucm_b_system-configuration-guide-1201_chapter_01011010.html QUESTION

NEW QUESTION 88

Due to provider requirements, outgoing calls from the Enterprise to the PSTN must start with channel 1. Which ISDN command changes the channel selection an IOS to meet this requirement?

- A. isdn bchan-number-order decending
- B. isdn bchan-number-order ascending
- C. isdn protocol-emulate network
- D. isdn incoming-voice voice

Answer: B

NEW QUESTION 91

Which wildcard must an engineer configure to match a whole domain in SIP route patterns?

- A. .
- B. !
- C. @
- D. *

Answer: D

Explanation:

Reference: https://www.cisco.com/c/en/us/td/docs/voice_ip_comm/cucm/admin/10_0_1/ccmcf/CUCM_BK_C95ABA82_00_admin-guide-100/CUCM_BK_C95ABA82_00_admin-guide-100_chapter_0100111.html

NEW QUESTION 93

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