300-815 Q&As

Implementing Cisco Advanced Call Control and Mobility Services (CLACCM)

QUESTION 1

An administrator is configuring a SIP trunk to an ITSP. The SIP connection will traverse from a Cisco UCM to the ISTP through a Cisco Unified Border Element. The ITSP has indicated that they require an in-band method for DTMF. Which command on the outbound dial-peer to the ITSP will meet this requirement?

A. router (config-dial-peer) dtmf-relay sip-notify

B. router (config-dial-peer) dtmf-relay sip-kpml

C. router (config-dial-peer) dtmf-relay h245-alphanumeric

D. router (config-dial-peer) dtmf-relay rtp-nte

Correct Answer: D

QUESTION 2

Which configuration element of a hunt group allows for changing Calling Party Transformations settings?

A. line group

B. hunt pilot

C. route group

D. hunt list

Correct Answer: B

Reference: https://community.cisco.com/t5/ip-telephony-and-phones/call-alerting-on-hunt-group-as-shared-line/td-p/2658015

QUESTION 3

```
SIP/2.0 183 Session Progress
Via: SIP/2.0/TCP 10.5.5.5:5060;branch=z6a3c1K21d5aca213a1b
From: <sip:1000@10.5.5.5>;tag=11031~feddb418-c7b4-dce4-0b8b-901ba1db345c-13319871
To: <sip:2000@10.10.10.10>;tag=4C2F0432-8C1B
Date: Fri, 09 Apr 2021 01:41:33 GMT
Call-ID: c7011a00-d51ff310-31978-b42ab014@10.5.5.5
CSeq: 101 INVITE
RSeq: 1541
Allow: INVTE, OPTIONS, BYE, CANCEL, ACK, PRACK, UPDATE, REFER, SUBSCRIBE, NOTIFY, INFO, REGISTER
Allow-Events: telephone-event
Contact: <sip:2000@10.10.10.10:5060;transport=tcp>
Supported: sdp-anat
Supported: X-cisco-srtp-fallback
Server: Cisco-SIPGateway/IOS-15.7.3M8
Content-Length: 330

v=0
o=CiscoSystemsSIP-GW-UserAgent 9841 5325 IN IP4 10.10.10.10
s=SIP Call
c=IN IP4 10.10.10.10
t=0 0
m=audio 15697 RTP/AVP 8 0 18 101 19
c=IN IP4 10.10.10.10
a=rtpmap:8 PCMA/8000
a=rtpmap:0 PCMU/8000
a=rtpmap: 18 G729/8000
a=fmtp:18 annexb=no
a=rtpmap:101 telephone-event/8000
a=fmtp:101 0-15
a=rtpmap:19 CN/8000
```

Refer to the exhibit. An administrator received reports that users do not hear a ringback when they dial specific external numbers. For example, the Cisco Unified Border Element receives a delayed offer invite from Cisco UCM and responds with the 183 session progress in the exhibit. Assume that the PSTN is responsible for generating ringback in these problematic scenarios. Which action resolves the issue?

A. On Cisco Unified Border Element: voice service voip sip rel1xx disable 100rel

B. Edit the configuration for SIP Rel1XX Options in the appropriate SIP profile on Cisco UCM to Send PRACK if 1xx Contains SDP.

C. On Cisco Unified Border Element: voice service voip sip rel1xx require 100rel

D. Enable early media on the appropriate SIP trunk on Cisco UCM.

Correct Answer: B

QUESTION 4

An administrator is troubleshooting call failures on an H.323 gateway via the CLI. To see signaling for media and call setup, which two debugs should the Administrator turn on? (Choose two.)

A. debug H.245 asn1

B. debug H.323 message

C. debug H.225 asn1

D. debug H.225 media

E. debug H.323 asn1

Correct Answer: AC

QUESTION 5

Refer to the exhibit.

55697959.007 |12:20:50.913 |AppInfo |RouteListCdrc::createPartyTransformedCcSetupReqMsg - before DAapplyCdpnXform() preXformCdpn=11112222 preTag=SUBSCRIBER prePos=11112222 crCdpnMask=33334444 crPrefixDigit=

crDDI=2

55697959.008 |12:20:50.913 |AppInfo |RouteListCdrc::createPartyTransformedCcSetupReqMsg - after DAapplyCdpnXform() xformCdpn=33334444 xformTag=SUBSCRIBER xformPos=11112222 55697959.009 |12:20:50.913 |AppInfo |

RouteListCdrc::transformed cdpn (without unconsumpt digits) = 33334444, unconsumed digit=

Which INVITE is sent to 10.10.100.123 as a result of this log?

A. 55698034.001 |12:20:50.922 |AppInfo |SIPTcp - wait_SdlSPISignal: Outgoing SIP TCP message to 10.10.100.123 on port 5060 index 41 [95992364,NET] INVITE sip:33334444@10.10.100.123:5060 SIP/2.0 Via: SIP/2.0/TCP 10.122.200.50:5060;branch=z9hG4bK268d6e4e48f3ae From: "1000" ;tag=32412716~41f7 To: Date: Thu, 01 Apr 2021 17:20:50 GMT Call-ID: 99878a80-66100f2-265e57-67071d0a@10.122.200.50 Supported: timer,resource-priority,replaces Min-SE: 1800 User-Agent: Cisco-CUCM12.0

B. 55698034.001 |12:20:50.922 |AppInfo |SIPTcp - wait_SdlSPISignal: Outgoing SIP TCP message to 10.10.100.123 on port 5060 index 41 [95992364,NET] INVITE sip:33334444@10.10.100.123:5060 SIP/2.0 Via: SIP/2.0/TCP 10.122.200.50:5060;branch=z9hG4bK268d6e4e48f3ae From: "11112222" ;tag=32412716~41f7 To: Date: Thu, 01 Apr 2021 17:20:50 GMT Call-ID: 99878a80-66100f2-265e57-67071d0a@10.122.200.50 Supported: timer,resource-priority,replaces Min-SE: 1800 User-Agent: Cisco-CUCM12.0

C. 55698034.001 |12:20:50.922 |AppInfo |SIPTcp - wait_SdlSPISignal: Outgoing SIP TCP message to 10.10.100.123 on port 5060 index 41 [95992364,NET] INVITE sip:11112222@10.10.100.123:5060 SIP/2.0 Via: SIP/2.0/TCP 10.122.200.50:5060;branch=z9hG4bK268d6e4e48f3ae From: "1000" ;tag=32412716~41f7 To: Date: Thu, 01 Apr 2021 17:20:50 GMT Call-ID: 99878a80-66100f2-265e57-67071d0a@10.122.200.50 Supported: timer,resource-priority,replaces Min-SE: 1800 User-Agent: Cisco-CUCM12.0

D. 55698034.001 |12:20:50.922 |AppInfo |SIPTcp - wait_SdlSPISignal: Outgoing SIP TCP message to 10.10.100.123 on port 5060 index 41 [95992364,NET] INVITE sip:11112222@10.10.100.123:5060 SIP/2.0 Via: SIP/2.0/TCP 10.122.200.50:5060;branch=z9hG4bK268d6e4e48f3ae From: "11112222" ;tag=32412716~41f7 To: Date: Thu, 01 Apr 2021 17:20:50 GMT Call-ID: 99878a80-66100f2-265e57-67071d0a@10.122.200.50 Supported: timer,resource-priority,replaces Min-SE: 1800 User-Agent: Cisco-CUCM12.0

Correct Answer: C