



# 300-815<sup>Q&As</sup>

Implementing Cisco Advanced Call Control and Mobility Services  
(CLACCM)

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### QUESTION 1

Refer to the exhibit.

```
voice class codec 100
  codec preference 1 g711alaw
  codec preference 2 g729r8
  codec preference 3 g729br8
  codec preference 4 g711ulaw
!
dial-peer voice 5002 voip
  session protocol sipv2
  session server-group 1
  incoming called-number 5...
  voice-class codec 100
  dtmf-relay rtp-nte
  no vad

m=audio 30104 RTP/AVP 0 9 124 116 18 101
a=rtpmap:0 PCMU/8000
a=rtpmap:9 G722/8000
a=rtpmap:124 iSAC/16000
a=rtpmap:116 iLBC/8000
a=maxptime:20
a=fmtp:116 mode=20
a=rtpmap:18 G729/8000
a=fmtp:18 annexb=no
a=rtpmap:101 telephone-event/8000
a=fmtp:101 0-15
```

The Cisco Unified Border Element receives an INVITE matching inbound dial peer 5002. The outbound dial peer supports only iLBC, and a Local Transcoding Interface is allocated. Based on the configuration and SDP from the INVITE message, which codec is chosen by Cisco Unified Border Element for the inbound call leg?

- A. G.729r8
- B. G.711 A-law
- C. G.711 U-law
- D. G.729br8

Correct Answer: C



QUESTION 2

```
03833226.000 | 11:10:55.116 | SdISig | DaRes | info_da  
| Cdcc(1,100,39,25) | Da(1,100,47,1) | 1,100,251,7289.65^14.48.81.100^* | [[R:N-  
H:O,N:O,L:O,V:O,Z:O,D:O] CI=28377985 Dial ForegoPotentialMatches OffNet  
PretransformCgpn=tn=Onpi=Oti=1nd=+19195741001pi=Osi1  
Cgpn=tn=Onpi=Oti=1nd=+19195741001pi=Osi1 DialingPartition=717ae636-e10b-2d56-6420-  
8b1099f0fdb9 DialingPattern=91.[2-9]XXXXXX DialingRPRE={91}([2-9][0-9][0-9][0-9][0-9][0-9])  
PID={1,181,19} PretransformCdpn=tn=Onpi=Oti=1nd=915745000pi=Osi0 PretransformTags=ACCESS-  
CODE:SUBSCRIBER PretransformPos=91.5745000 CollectedDigits=tn=Onpi=Oti=1nd=5745000pi=Osi0  
Tags=SUBSCRIBER Pos=5745000 CalledPartyDevicePoolPkid= eccTransactionid=0  
isCdpnNonPreemptable=F isCgpnNonPreemptable=F patternUsage =5 requestID =0  
03833226.001 | 11:10:55.116 | AppInfo | processCCMFeatureData: operationIdd=0  
03833226.002 | 11:10:55.116 | AppInfo | findUnfiredInterceptOnPattern numOfPatterns = 0  
---  
03833229.001 | 11:10:55.116 | AppInfo | LineCdpc(46): -dispatchToAllDevices-, sigName=CcProceedReq,  
device=SEP2834A2824611  
---  
03833232.001 | 11:10:55.116 | AppInfo | LBMIF: CI: 28377985 ASSOC 28377986  
03833232.002 | 11:10:55.116 | AppInfo | LBMIF: CI: 28377986 ASSOC 28377985  
---  
03833235.001 | 11:10:55.119 | AppInfo | SIPStationCdfc: CcProceedReq -  
unicodeConnectedUnicodeDisplayName="" asciiConnectedDisplayName=""  
03833235.002 | 11:10:55.119 | AppInfo | SIPStationCdfc: CcProceedReq - unicodeCallingPartyName=""  
asciiCallingPartyName="" callingParty="+19195741001" unicodeCalledPartyName=""  
asciiCalledPartyName="" calledParty="5745000"  
---  
03833240.000 | 11:10:55.119 | SdISig | CcRejInd | wait | Cc(1,100,38,1)  
| SIPD(1,100,181,19) | 1,100,251,7289.65^14.48.81.100^* | [[R:N-H:O,N:1,L:O,V:O,Z:O,D:O]  
CI=28377986 CcBranch=0 c.l=1 c.cid=8 c.cs=0 c.lc=0 c.r=0 CV=1459617833 rejectType=1 dtmDisconn=F  
FDataType=0 opId=0 ssType=0 SsKey=0 invokId=0 resultExp=F bpda=F transparentData=null  
CanSupportSIPtandN=false Transid=0 AllowBitMask=0x0 UserAgentOrServer= OrigDDName=locale: 1  
Name: UnicodeName: pl: 0 mCallerId= mCallerName= TrustRxid=T misMultiForkingEnabled=F  
mediaCause=0 CAL={v=ffffff, m=ffffff, tDev=F, res=F, devType=0} CAL={v=ffffff6, m=ffffff, tDev=F,  
res=F, devType=0}
```

Refer to the exhibit. An administrator configured a new SIP trunk between Cisco UCM and Cisco Unified Border Element. Calls that use this new trunk are failing, and debugs from the Cisco Unified Border Element do not show any signaling received from Cisco UCM. The administrator verified that OPTIONS is enabled on the SIP profile configured on the trunk on Cisco UCM. The route pattern matched for this call is correctly configured to send calls to the Cisco Unified Border Element using this new trunk. What is the cause of this failure?

- A. The calling search space on the calling line/device does not contain the partition of the route pattern
- B. The called party number is not complete because it contains only 7 digits
- C. A connectivity issue between Cisco UCM and Cisco Unified Border Element prevents Cisco UCM from receiving a



response to the OPTIONS it is sending to Cisco Unified Border Element

D. There are multiple matches for the dialed number, and Cisco UCM is trying to send the call to SEP2834A2824611 rather than Cisco Unified Border Element

Correct Answer: C

### QUESTION 3

The screenshot shows the Cisco Unified CM Administration interface. The main window displays the 'SIP Route Patterns' configuration page. A table lists two route patterns: '\*.\*' and '\*.cisco.com'. The '\*.\*' pattern has a 'Route Partition' of 'Default' and a 'Block Pattern' of 'None'. The '\*.cisco.com' pattern has a 'Route Partition' of 'Default' and a 'Block Pattern' of 'Block'. A 'Real Time Monitoring Tool' window is open in the foreground, showing a table of call records. The table has columns for Start Time, Calling DN, Orig Called DN, Final Called DN, Ca, Call, and Termination Cause Code. The first row shows a call from 2021/12/13 08:41:25:50000 to sip@voic.com, which was terminated with cause code 1 (Unallocated/unassigned).

Refer to the exhibit. A collaboration engineer is troubleshooting a Cisco UCM issue where users report that calls placed to the domain cisco.com are failing and calls to sip.cisco.com are working. Which action resolves the issue?

- A. Change the "Route Partition" setting on the \*.cisco.com route pattern.
- B. Add a SIP route pattern for \*.\*.
- C. Select "Block Pattern" on the \*.cisco.com route pattern.
- D. Delete the \*.cisco.com route pattern.

Correct Answer: B

### QUESTION 4

Refer to the exhibit.



```
voice translation-profile incoming
  translate called 999
!
voice translation-rule 999
  rule 1/\ (^[1-2] [1-2] [1-2]\ ) 333\ ([4-5] [4-5] .\ ) $ / / \2333\1/
!
dial-peer voice 999 voip
  translation-profile outgoing incoming
  session protocol sipv2
  incoming called-number
  dtmf-relay rtp-nte
  codec transparent
  destination dpg 888
  no vad
!
voice class dpg 888
  dial-peer 888
!
dial-peer voice 888 voip
  destination-pattern 888
  session protocol sipv2
  session target ipv4:192.168.0.1
  codec transparent
  dtmf-relay rtp-nte
  no vad
```

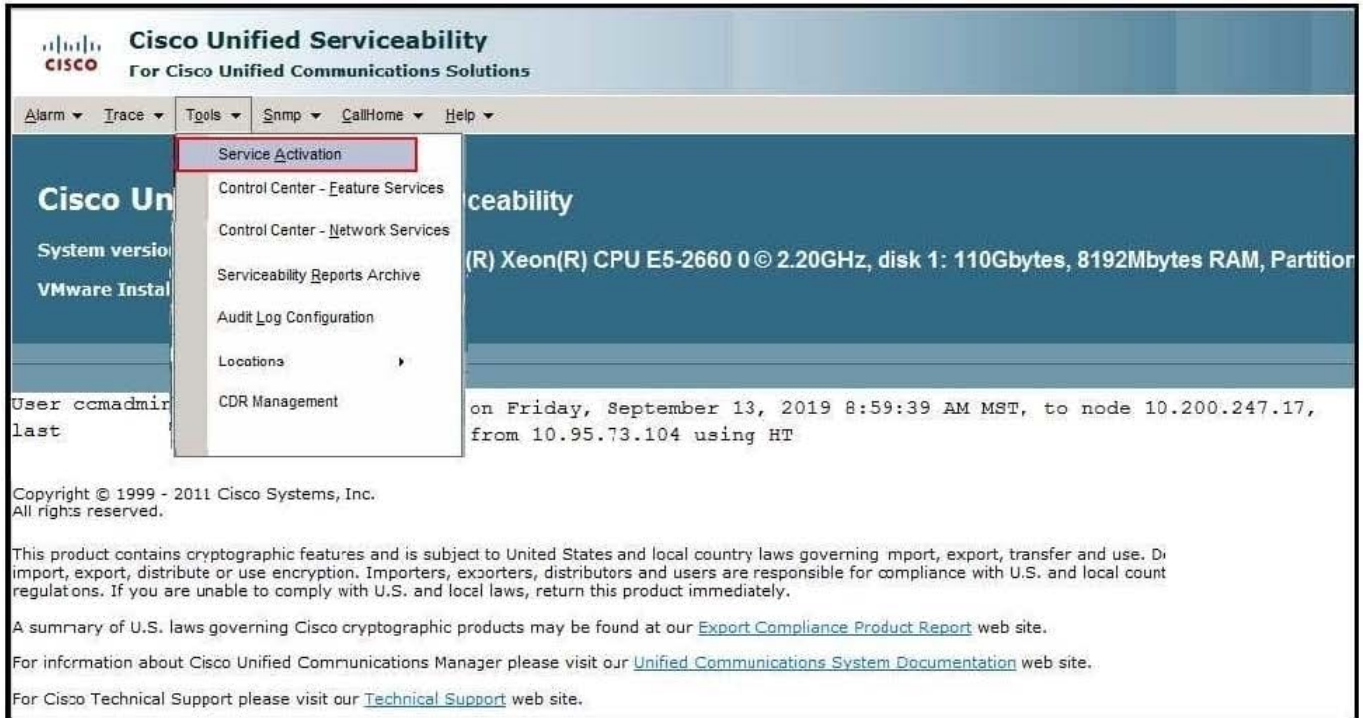
Calls incoming from the provider are not working through newly set up Cisco Unified Border Element. Provider engineers get the 404 Not Found SIP message. Incoming calls are coming from the provider with called number "222333444" and Cisco UCM is expecting the called number to be delivered as "444333222". The administrator already verified that the IP address of the Cisco UCM is set up correctly, and there are no dial peers configured other than those shown in the exhibit. Which action should the administrator take to fix the issue?

- A. Change the destination-pattern on the outgoing dial peer to match "444333222".
- B. Set up translation-profile on the incoming dial peer to match incoming traffic.
- C. Create specific matching for "222333444" on the incoming dial peer.
- D. Fix the voice translation-rule to match specifically number "222333444" and change it to "444333222".

Correct Answer: B

## QUESTION 5

Refer to the exhibit.



An administrator is troubleshooting a situation where a call placed from a phone registered to Cisco UCM does not complete. The administrator wants to use the Dialed Number Analyzer on Cisco UCM to check which translation pattern the call is matching. However, when logging in to Cisco Unified Serviceability, there is no option for Dialed Number Analyzer under the tool menu. Which two steps should be taken to resolve this issue? (Choose two.)

- A. Restart the subscriber.
- B. Activate the Cisco Extended Functions service.
- C. Activate the Cisco CallManager service.
- D. Activate the Cisco Dialed Number Analyzer service.
- E. Activate the Cisco Dialed Number Analyzer Server service.

Correct Answer: DE

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