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Header Examples

Full GUID Header: Example

The following is sample output from the **voice call debug** command when the **full-guid** keyword is specified:

```
Router(config)# voice call debug full-guid
!
00:05:12: //1/0E2C8A90-BC00-11D5-8002-DACCFDCEF87D/VTSP:(0:D):0:0:4385/vtsp_insert_cdb:
00:05:12: //-1/xxxxxxxx-xxxx-xxxx-xxxx-xxxxxxxxxxxx/CCAPI/cc_incr_if_call_volume:
```

In the first line, the following parameters are described:

- 1 denotes the CallEntry ID.
- 0E2C8A90-BC00-11D5-8002-DACCFDCEF87D is the GUID.
- VTSP:(0:D):0:0:4385 is the module and its dependent parameters. In this case, the module is VTSP, the port number is 0:D, the channel number is 0, the DSP slot is 0, and the DSP channel number is 4385.
- vtsp_insert_cdb: is the function name.

In the second line, the following parameters are described:

- -1 indicates that the CallEntry ID for the CCAPI module is unavailable.
- xxxxxxxx-xxxx-xxxx-xxxx-xxxxxxxxxxxx indicates that the GUID is unavailable.
- CCAPI is the module.
- cc_incr_if_call_volume: is the function name.

Short Header: Example

The following is sample output from the **voice call debug** command when the **short-header** keyword is specified:

```
Router(config)# voice call debug short-header
!
00:10:12: //-1/cc_incr_if_call_volume:
00:10:12: //9/vtsp_open_voice_and_set_params:
```

In the first line, the CallEntry ID is not available, and in the following line the CallEntry ID is 9. The remainder of the line displays the function name.

Setup and Teardown: Example

In the following example, the **debug voip ccapi inout** command used with the **voice call debug full-guid** command traces the execution path through the call control API, which serves as the interface between the call session application and the underlying network-specific software. This output shows how calls are being handled by the voice gateway. Using this debug level, you can see the call setup and teardown operations performed on both the telephony and network call legs.

```
Router# debug voip ccapi inout
*Mar 1 15:35:53.588: //-1/xxxxxxxxxxxx/CCAPI/ccTDConstructTDUserContainer: usrContainer[0x638C1BF0]
*Mar 1 15:35:53.592: //-1/xxxxxxxxxxxx/CCAPI/ccTDUtilAddDataToUserContainer: container=0x638C1BF0
*Mar 1 15:35:53.592: //-1/xxxxxxxxxxxx/CCAPI/ccTDConstructInstanceTDObject: tdObject[0x638BC1AC]
*Mar 1 15:35:53.592: //-1/xxxxxxxxxxxx/CCAPI/ccTDPvtAddObjectToContainer: Adding tdObject[0x638BC1AC]
*Mar 1 15:35:53.592: //-1/xxxxxxxxxxxx/CCAPI/ccTDUtilAddDataToUserContainer: container=0x638C1BF0
*Mar 1 15:35:53.592: //-1/xxxxxxxxxxxx/CCAPI/ccTDConstructInstanceTDObject: tdObject[0x63401148]
*Mar 1 15:35:53.592: //-1/xxxxxxxxxxxx/CCAPI/ccTDPvtAddObjectToContainer: Adding tdObject[0x63401148]
```

In the following lines, the CCAPI receives the call setup. The called number is 34999, and the calling number is 55555. The calling number matches dial peer 10002.

```
*Mar 1 15:35:53.592: //-1/xxxxxxxxxxxx/CCAPI/cc_api_display_ie_subfields:
*Mar 1 15:35:53.592: cc_api_call_setup_ind:
*Mar 1 15:35:53.592: cisco-username=
*Mar 1 15:35:53.596: ----- ccCallInfo IE subfields -----
*Mar 1 15:35:53.596: cisco-ani=55555
*Mar 1 15:35:53.596: cisco-anitype=0
*Mar 1 15:35:53.596: cisco-aniplan=0
*Mar 1 15:35:53.596: cisco-anipi=0
*Mar 1 15:35:53.596: cisco-anisi=0
*Mar 1 15:35:53.596: dest=34999
*Mar 1 15:35:53.596: cisco-desttype=0
*Mar 1 15:35:53.596: cisco-destplan=0
*Mar 1 15:35:53.596: cisco-rdn=
*Mar 1 15:35:53.596: cisco-rdntype=-1
*Mar 1 15:35:53.596: cisco-rdnplan=-1
*Mar 1 15:35:53.596: cisco-rdnpi=-1
*Mar 1 15:35:53.596: cisco-rdnssi=-1
*Mar 1 15:35:53.596: cisco-redirectreason=-1
*Mar 1 15:35:53.596: //-1/xxxxxxxxxxxx/CCAPI/cc_api_call_setup_ind: (vdbPtr=0x637EC1E0, callInfo=0x637EC1E0)
*Mar 1 15:35:53.596: //-1/xxxxxxxxxxxx/CCAPI/cc_api_call_setup_ind:
*Mar 1 15:35:53.596: //-1/xxxxxxxxxxxx/CCAPI/cc_api_call_setup_ind: type 13 , prot 0
*Mar 1 15:35:53.596: //-1/xxxxxxxxxxxx/CCAPI/ccCheckClipClir:
*Mar 1 15:35:53.596: ccCheckClipClir: calling number is: "55555", calling oct3a is: 0x0
*Mar 1 15:35:53.596: //-1/xxxxxxxxxxxx/CCAPI/ccCheckClipClir:
*Mar 1 15:35:53.596: Calling Party number is User Provided
*Mar 1 15:35:53.596: //-1/xxxxxxxxxxxx/CCAPI/ccCheckClipClir:
*Mar 1 15:35:53.596: Leaving ccCheckClipClir
    calling number is: "55555"
    calling oct3 is: 0x80
    calling oct3a is: 0x0
```

In the next line, 44 is the CallEntry ID.

```
*Mar 1 15:35:53.600: //44/xxxxxxxxxxxxx/CCAPI/cc_insert_call_entry: Increment call volume: 0
*Mar 1 15:35:53.600: //44/xxxxxxxxxxxxx/CCAPI/cc_insert_call_entry: current call volume: 1
*Mar 1 15:35:53.600: //44/xxxxxxxxxxxxx/CCAPI/cc_insert_call_entry: entry's incoming TRUE.
*Mar 1 15:35:53.600: //44/xxxxxxxxxxxxx/CCAPI/cc_insert_call_entry: is_incomingis TRUE
*Mar 1 15:35:53.600: //-1/xxxxxxxxxxxxx/CCAPI/ccTDConstructHashProfileTab: profileTable[0x6380E11]
*Mar 1 15:35:53.600: //-1/xxxxxxxxxxxxx/CCAPI/ccTDPvtProfileTableBuildManager: Invoking necessary
*Mar 1 15:35:53.600: //-1/xxxxxxxxxxxxx/CCAPI/ccTDPvtUpdateProfileTabFromContainer: Updating prof
*Mar 1 15:35:53.600: //-1/xxxxxxxxxxxxx/CCAPI/ccTDPvtUpdateProfileTabFromContainer: obtained key[
*Mar 1 15:35:53.600: //-1/xxxxxxxxxxxxx/CCAPI/ccTDPvtAddObjectToProfileBucket: profileTable[0x638
*Mar 1 15:35:53.600: //-1/xxxxxxxxxxxxx/CCAPI/ccTDPvtUpdateProfileTabFromContainer: obtained key[
*Mar 1 15:35:53.600: //-1/xxxxxxxxxxxxx/CCAPI/ccTDPvtAddObjectToProfileBucket: profileTable[0x638
*Mar 1 15:35:53.600: //-1/xxxxxxxxxxxxx/CCAPI/ccTDPvtProfileTableBuildManager:
*Mar 1 15:35:53.600: ccTDUtilDumpAllElemInProfileTab: profileTable[0x6380E11C],
numBuckets[11], numEntries[2]
*Mar 1 15:35:53.600: Bucket { 0 } -----> </nowiki>0x63401148[0x0,t-5,l-276,d-0x63401168,
m-1,u-56153,g-FACE0FFF]
*Mar 1 15:35:53.604:
*Mar 1 15:35:53.604: Bucket { 5 } -----> </nowiki>0x638BC1AC[0x0,t-6,l-16,d-0x638BC1CC,m-1,u-56
*Mar 1 15:35:53.604:
*Mar 1 15:35:53.604: //-1/xxxxxxxxxxxxx/CCAPI/ccTDDeconstructTDUsrContainer: Container[0x638C1BF0]
*Mar 1 15:35:53.604: //-1/xxxxxxxxxxxxx/CCAPI/cc_incr_if_call_volume: not the VoIP or MMoIP
*Mar 1 15:35:53.608: //-1/xxxxxxxxxxxxx/CCAPI/cc_process_call_setup_ind: (event=
0x63073AA0)
```

In the next line, 45F2AAE28044 is the GUID. The tag 10002 entry shows that the incoming dial peer matched the CallEntry ID.

```
*Mar 1 15:35:53.608: //44/45F2AAE28044/CCAPI/cc_process_call_setup_ind: >>>>CCAPI handed cid 44
*Mar 1 15:35:53.608: //44/xxxxxxxxxxxxx/SSAPP:-1:-1/sess_appl: ev(24=CC_EV_CALL_SETUP_IND), cid(44)
*Mar 1 15:35:53.608: //44/xxxxxxxxxxxxx/SSAPP:-1:-1/sess_appl: ev(SSA_EV_CALL_SETUP_IND), cid(44)
*Mar 1 15:35:53.608: //44/xxxxxxxxxxxxx/SSAPP:-1:-1/ssaCallSetupInd:
```

The next line shows CallEntry ID in hexadecimal form, 0x2C (44 in decimal). The CallEntry ID and GUID numbers have been identified. The incoming dial peer is 10002.

```
*Mar 1 15:35:53.608: //44/xxxxxxxxxxxxx/CCAPI/ccCallSetContext: (callID=0x2C, context=0x634A430C)
*Mar 1 15:35:53.608: //44/45F2AAE28044/SSAPP:10002:-1/ssaCallSetupInd: cid(44), st(SSA_CS_MAPPIN
*Mar 1 15:35:53.608: //44/45F2AAE28044/SSAPP:10002:-1/ssaCallSetupInd: src route label=, tgt rou
*Mar 1 15:35:53.608: //44/45F2AAE28044/SSAPP:10002:-1/ssaCallSetupInd: finalDest cllng(55555), c
*Mar 1 15:35:53.612: //44/45F2AAE28044/SSAPP:10002:-1/ssaCallSetupInd: cid(44), st(SSA_CS_CALL_S
```

For CallEntry ID 44, two dial-peer tags (10001 and 20002) were matched with called number 34999.

```
*Mar 1 15:35:53.612: //44/45F2AAE28044/SSAPP:10002:-1/ssaDebugPeers: ssaSetupPeer cid(44) peer 1
(34999)
*Mar 1 15:35:53.612: //44/45F2AAE28044/SSAPP:10002:-1/ssaSetupPeer: dialpeer tags in rotary= 100
```

The next line shows that five digits were matched for this dial peer and no prefix was added. The encapType (2) entry indicates a VoIP call.

```
*Mar 1 15:35:53.612: //44/45F2AAE28044/SSAPP:10002:-1/ssaSetupPeer: cid(44), destPat(34999), mat
*Mar 1 15:35:53.612: //-1/xxxxxxxxxxxxx/CCAPI/cc_can_gateway: Call legs: In=6, Out=1
```

The next line shows the voice gateway sending out a call-proceeding message to the incoming call leg with a progress indicator of 0x0.

```
*Mar 1 15:35:53.612: //44/xxxxxxxxxxxxx/CCAPI/ccCallProceeding: (callID=0x2C, prog_ind=0x0)
```

The next line shows the voice gateway sending out the call-setup request to the outgoing call leg. The dial peer is 10001 with the incoming CallEntry ID being 0x2C.

```
*Mar 1 15:35:53.612: //44/xxxxxxxxxxxx/CCAPI/ccCallSetupRequest: (Inbound call= 0x2C, outbound p
  params=0x63085D80 mode=0, *callID=0x63086314, prog_ind = 0callingIE_present 1)
*Mar 1 15:35:53.612: //44/45F2AAE28044/CCAPI/ccCallSetupRequest:
*Mar 1 15:35:53.612: ccCallSetupRequest numbering_type 0x80
*Mar 1 15:35:53.612: //44/45F2AAE28044/CCAPI/ccCallSetupRequest:
*Mar 1 15:35:53.616: ccCallSetupRequest: calling number is:55555
*Mar 1 15:35:53.616: //44/45F2AAE28044/CCAPI/ccCallSetupRequest: calling oct3ais:0x0
*Mar 1 15:35:53.616: //-1/xxxxxxxxxxxx/CCAPI/ccCheckClipClir:
*Mar 1 15:35:53.616: ccCheckClipClir: calling number is: "55555", calling oct3a is: 0x0
*Mar 1 15:35:53.616: //-1/xxxxxxxxxxxx/CCAPI/ccCheckClipClir:
*Mar 1 15:35:53.616: Calling Party number is User Provided
*Mar 1 15:35:53.616: //-1/xxxxxxxxxxxx/CCAPI/ccCheckClipClir:
*Mar 1 15:35:53.616: Leaving ccCheckClipClir
  calling number is: "55555"
  calling oct3 is: 0x80
  calling oct3a is: 0x0
*Mar 1 15:35:53.616: //44/45F2AAE28044/CCAPI/ccCallSetupRequest: after ccCheckClipClir - calling
```

The next line shows that all digits are passed.

```
*Mar 1 15:35:53.616: //44/45F2AAE28044/CCAPI/ccCallSetupRequest: dest pattern 34999, called 3499
*Mar 1 15:35:53.616: //44/45F2AAE28044/CCAPI/ccCallSetupRequest:
*Mar 1 15:35:53.616: callingNumber=55555, calledNumber=34999, redirectNumber= display_info= call
*Mar 1 15:35:53.616: accountNumber=, finalDestFlag=1,guid=45f2.aae2.1571.11cc.8044.95f5.fabb.6b0
*Mar 1 15:35:53.616: peer_tag=10001
*Mar 1 15:35:53.616: //-1/xxxxxxxxxxxx/CCAPI/cc_api_display_ie_subfields:
*Mar 1 15:35:53.616: ccCallSetupRequest:
*Mar 1 15:35:53.616: cisco-username=
*Mar 1 15:35:53.616: ----- ccCallInfo IE subfields -----
*Mar 1 15:35:53.616: cisco-ani=55555
*Mar 1 15:35:53.616: cisco-anitype=0
*Mar 1 15:35:53.616: cisco-aniplan=0
*Mar 1 15:35:53.616: cisco-anipi=0
*Mar 1 15:35:53.616: cisco-anisi=0
*Mar 1 15:35:53.620: dest=34999
*Mar 1 15:35:53.620: cisco-desttype=0
*Mar 1 15:35:53.620: cisco-destplan=0
*Mar 1 15:35:53.620: cisco-rdn=
*Mar 1 15:35:53.620: cisco-rdntype=-1
*Mar 1 15:35:53.620: cisco-rdnplan=-1
*Mar 1 15:35:53.620: cisco-rdnpi=-1
*Mar 1 15:35:53.620: cisco-rdnsi=-1
*Mar 1 15:35:53.620: cisco-redirectreason=-1
*Mar 1 15:35:53.620: //-1/xxxxxxxxxxxx/CCAPI/ccIFCallSetupRequestPrivate: (vdbPtr=0x62EC61A4, de
*Mar 1 15:35:53.620: //-1/xxxxxxxxxxxx/CCAPI/ccIFCallSetupRequestPrivate:
*Mar 1 15:35:53.620: ccIFCallSetupRequestPrivate: src route label tgt route label tg_label_flag
*Mar 1 15:35:53.620: //-1/xxxxxxxxxxxx/CCAPI/ccIFCallSetupRequestPrivate: vdbPtr type = 1
*Mar 1 15:35:53.620: //-1/xxxxxxxxxxxx/CCAPI/ccIFCallSetupRequestPrivate:
*Mar 1 15:35:53.620: //-1/xxxxxxxxxxxx/CCAPI/ccIFCallSetupRequestPrivate: (vdbPtr=0x62EC61A4, de
*Mar 1 15:35:53.620: //-1/xxxxxxxxxxxx/CCAPI/ccIFCallSetupRequestPrivate:
```

In the next line, outgoing CallEntry ID 45 is bound to the same GUID 45F2AAE28044.

```
*Mar 1 15:35:53.620: //45/45F2AAE28044/CCAPI/cc_insert_call_entry: not incoming entry
*Mar 1 15:35:53.620: //45/45F2AAE28044/CCAPI/cc_insert_call_entry: entry's incoming FALSE.
*Mar 1 15:35:53.620: //45/45F2AAE28044/CCAPI/cc_insert_call_entry: is_incomingis FALSE
*Mar 1 15:35:53.624: //44/xxxxxxxxxxxx/CCAPI/ccSaveDialpeerTag: (callID=0x2C, dialpeer_tag=10001
*Mar 1 15:35:53.624: //45/xxxxxxxxxxxx/CCAPI/ccCallSetContext: (callID=0x2D, context=0x634A537C)
*Mar 1 15:35:53.624: //44/xxxxxxxxxxxx/CCAPI/ccCallReportDigits: (callID=0x2C,enable=0x0)
```

The next line shows that the voice gateway informs the incoming call leg that digits were forwarded.

```
*Mar 1 15:35:53.624: //44/xxxxxxxxxxxx/CCAPI/cc_api_call_report_digits_done: (vdbPtr=0x637EC1E0,
*Mar 1 15:35:53.624: //44/xxxxxxxxxxxx/SSAPP:-1:-1/sess_appl: ev(54=CC_EV_CALL_REPORT_DIGITS_DON
*Mar 1 15:35:53.624: //44/45F2AAE28044/SS
Router#APP:10002:-1/ssaTraceSct: cid(44) st (SSA_CS_CALL_SETTING) ev (SSA_EV_CALL_REPORT_DIGITS_DONE)
oldst (SSA_CS_MAPPING) cfid(-1) csize(0) in(1) fDest(1)
*Mar 1 15:35:53.624: //44/45F2AAE28044/SSAPP:10002:-1/ssaTraceSct: -cid2(45) st2 (SSA_CS_CALL_SETT
*Mar 1 15:35:53.624: //44/45F2AAE28044/SSAPP:10002:-1/ssaDebugPeers: ssaReportDigitsDone cid(44)
*Mar 1 15:35:53.624: //44/45F2AAE28044/SSAPP:10002:-1/ssaReportDigitsDone: callid=44 Reporting c
*Mar 1 15:35:53.628: //-1/xxxxxxxxxxxx/CCAPI/cc_api_supported_data: data_mode=0x10082
*Mar 1 15:35:53.628: //45/xxxxxxxxxxxx/CCAPI/cc_api_get_ic_leg_obtained_numbers: callID=0x2D
```

The next two lines show the IP address of the terminating gateway and indicate that the terminating gateway is reached through Ethernet port 0/0.

```
*Mar 1 15:35:53.628: //-1/xxxxxxxxxxxx/CCAPI/cc_incr_if_call_volume: remote IP is 172.31.85.111
*Mar 1 15:35:53.632: //-1/xxxxxxxxxxxx/CCAPI/cc_incr_if_call_volume: hwidb is Ethernet0/0
*Mar 1 15:35:53.632: //-1/xxxxxxxxxxxx/CCAPI/cc_incr_if_call_volume: create entry in list: 1
*Mar 1 15:35:53.636: //45/xxxxxxxxxxxx/CCAPI/ccTDUtilGetInstanceCount: For tagID[1] of callID[45]
*Mar 1 15:35:53.636: //45/45F2AAE28044/CCAPI/ccTDPvtProfileTableObjectAccessManager: No profileT
*Mar 1 15:35:53.636: //45/xxxxxxxxxxxx/CCAPI/ccTDUtilGetInstanceCount: For tagID[2] of callID[45]
*Mar 1 15:35:53.636: //45/45F2AAE28044/CCAPI/ccTDPvtProfileTableObjectAccessManager: No profileT
```

The next line shows that the voice gateway received a call proceeding message from the terminating gateway. The following line shows that the voice gateway received a call alert from the terminating gateway.

```
*Mar 1 15:35:53.740: //45/xxxxxxxxxxxx/CCAPI/cc_api_call_proceeding: (vdbPtr=0x62EC61A4, callID=
prog_ind=0x0)
*Mar 1 15:35:53.740: //45/xxxxxxxxxxxx/CCAPI/cc_api_call_alert: (vdbPtr=0x62EC61A4, callID=0x2D,
*Mar 1 15:35:53.744: //45/xxxxxxxxxxxx/SSAPP:-1:-1/sess_appl: ev(21=CC_EV_CALL_PROCEEDING), cid
*Mar 1 15:35:53.744: //45/45F2AAE28044/SSAPP:0:-1/ssaTraceSct: cid(45) st (SSA_CS_CALL_SETTING) ev
oldst (SSA_CS_MAPPING) cfid(-1) csize(0) in(0) fDest(0)
*Mar 1 15:35:53.744: //45/45F2AAE28044/SSAPP:0:-1/ssaTraceSct: -cid2(44) st2 (SSA_CS_CALL_SETTING)
*Mar 1 15:35:53.744: //45/45F2AAE28044/SSAPP:0:-1/ssaCallProc:
*Mar 1 15:35:53.744: //44/xxxxxxxxxxxx/CCAPI/ccGetDialpeerTag: (callID=0x2C)
*Mar 1 15:35:53.744: //45/45F2AAE28044/SSAPP:0:-1/ssaIgnore: cid(45), st (SSA_CS_CALL_SETTING), ol
*Mar 1 15:35:53.744: //45/xxxxxxxxxxxx/SSAPP:-1:-1/sess_appl: ev(7=CC_EV_CALL_ALERT), cid(45), c
*Mar 1 15:35:53.744: //45/45F2AAE28044/SSAPP:0:-1/ssaTraceSct: cid(45) st (SSA_CS_CALL_SETTING) ev
*Mar 1 15:35:53.744: //45/45F2AAE28044/SSAPP:0:-1/ssaTraceSct: -cid2(44) st2 (SSA_CS_CALL_SETTING)
*Mar 1 15:35:53.744: //44/45F2AAE28044/SSAPP:10002:-1/ssaAlert:
*Mar 1 15:35:53.744: //44/xxxxxxxxxxxx/CCAPI/ccGetDialpeerTag: (callID=0x2C)
Router#
```

In the following line, the voice gateway forwarded a call alert to the originating gateway.

```
*Mar 1 15:35:53.744: //44/xxxxxxxxxxxx/CCAPI/ccCallAlert: (callID=0x2C, prog_ind=0x0, sig_ind=0x0)
Router#
```

The phone is answered at the called number.

```
Router#!call answered
```

The voice gateway receives a connect message from the terminating gateway.

```
*Mar 1 15:36:05.016: //45/xxxxxxxxxxxx/CCAPI/cc_api_call_connected: (vdbPtr=0x62EC61A4, callID=0
*Mar 1 15:36:05.016: //45/45F2AAE28044/CCAPI/cc_api_call_connected: setting callEntry->connected
```

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The next line shows that the call accounting starts. The `leg_type=False` message means this is for an outgoing call. The line that follows shows that AAA accounting is not configured.

```
*Mar 1 15:36:05.016: //45/45F2AAE28044/CCAPI/cc_api_call_connected: calling accounting start for
*Mar 1 15:36:05.020: //45/xxxxxxxxxxxx/CCAPI/ccCallSetAAA_Accounting: callID=0x2D, accounting=0
*Mar 1 15:36:05.020: //45/xxxxxxxxxxxx/SSAPP:-1:-1/sess_appl: ev(8=CC_EV_CALL_CONNECTED), cid(45)
*Mar 1 15:36:05.020: //45/45F2AAE28044/SSAPP:0:-1/ssaTraceSct: cid(45) st (SSA_CS_ALERT_RCVD) ev(SS
oldst (SSA_CS_CALL_SETTING) cfid(-1) csize(0) in(0) fDest(0)
*Mar 1 15:36:05.020: //45/45F2AAE28044/SSAPP:0:-1/ssaTraceSct: -cid2(44) st2 (SSA_CS_ALERT_RCVD) ol
*Mar 1 15:36:05.020: //45/45F2AAE28044/SSAPP:0:-1/ssaConnect:
*Mar 1 15:36:05.020: //44/xxxxxxxxxxxx/CCAPI/ccGetDialpeerTag: (callID=0x2C)
```

The next lines show a conference being set up between the two call legs 0x2C and 0x2D. Bridge complete messages are sent to both the terminating and originating gateways.

```
*Mar 1 15:36:05.020: //44/xxxxxxxxxxxx/CCAPI/ccConferenceCreate: (confID=0x63086424, callID1=0x2
*Mar 1 15:36:05.020: //45/xxxxxxxxxxxx/CCAPI/cc_api_bridge_done: (confID=0x15, srcIF=0x62EC61A4,
*Mar 1 15:36:05.024: //44/xxxxxxxxxxxx/CCAPI/cc_api_bridge_done: (confID=0x15, srcIF=0x637EC1E0,
```

Here, the voice gateway sets up negotiating capability with the originating telephony leg.

```
*Mar 1 15:36:05.024: //44/xxxxxxxxxxxx/CCAPI/cc_api_caps_ind: (dstVdbPtr=0x62EC61A4, dstCallId=0
caps={codec=0x2887F, fax_rate=0xBF, vad=0x3, modem=0x2
codec_bytes=0, signal_type=3})
*Mar 1 15:36:05.024: //44/xxxxxxxxxxxx/CCAPI/cc_api_caps_ind: (Playout: mode 0, initial 60, min 4
*Mar 1 15:36:05.024: //44/xxxxxxxxxxxx/SSAPP:-1:-1/sess_appl: ev(29=CC_EV_CONF_CREATE_DONE), cid
*Mar 1 15:36:05.024: //44/45F2AAE28044/SSAPP:10002:21/ssaTraceSct: cid(44) st (SSA_CS_CONFERENCING
oldst (SSA_CS_CALL_SETTING) cfid(21) csize(2) in(1) fDest(1)
*Mar 1 15:36:05.024: //44/45F2AAE28044/SSAPP:10002:21/ssaTraceSct: -cid2(45) st2 (SSA_CS_CONFERENC
*Mar 1 15:36:05.024: //44/45F2AAE28044/SSAPP:10002:21/ssaConfCreateDone:
*Mar 1 15:36:05.024: //44/xxxxxxxxxxxx/CCAPI/ccCallConnect: (callID=0x2C), prog_ind = 0
*Mar 1 15:36:05.024: //44/45F2AAE28044/CCAPI/ccCallConnect: setting callEntry->connected to TRUE
*Mar 1 15:36:05.024: //44/45F2AAE28044/SSAPP:10002:21/ssaDebugPeers: ssaFlushPeerTagQueue cid(44
*Mar 1 15:36:05.028: //-1/xxxxxxxxxxxx/CCAPI/cc_process_notify_bridge_done: (event=0x63067FC0)
```

The voice gateway sets up negotiating capability with the terminating VoIP leg.

```
*Mar 1 15:36:05.028: //45/xxxxxxxxxxxx/CCAPI/cc_api_caps_ind: (dstVdbPtr=0x637EC1E0, dstCallId=0
caps={codec=0x4, fax_rate=0x2, vad=0x2, modem=0x0
codec_bytes=20, signal_type=2})
*Mar 1 15:36:05.028: //45/xxxxxxxxxxxx/CCAPI/cc_api_caps_ind: (Playout: mode 0, initial 60, min 4
```

The capabilities are acknowledged for both call legs.

```
*Mar 1 15:36:05.028: //45/xxxxxxxxxxxx/CCAPI/cc_api_caps_ack: (dstVdbPtr=0x637EC1E0, dstCallId=0
caps={codec=0x4, fax_rate=0x2, vad=0x2, modem=0x0
codec_bytes=20, signal_type=2, seq_num_start=2944})
*Mar 1 15:36:05.028: //44/xxxxxxxxxxxx/CCAPI/cc_api_caps_ack: (dstVdbPtr=0x62EC
61A4, dstCallId=0x2D, srcCallId=0x2C,
caps={codec=0x4, fax_rate=0x2, vad=0x2, modem=0x0
codec_bytes=20, signal_type=2, seq_num_start=2944})
*Mar 1 15:36:05.032: //44/xxxxxxxxxxxx/CCAPI/cc_api_voice_mode_event: callID=0x2C
*Mar 1 15:36:05.032: //44/45F2AAE28044/CCAPI/cc_api_voice_mode_event: Call Pointer =634A430C
*Mar 1 15:36:05.032: //44/xxxxxxxxxxxx/SSAPP:-1:-1/sess_appl: ev(52=CC_EV_VOICE_MODE_DONE), cid
*Mar 1 15:36:05.032: //44/45F2AAE28044/SSAPP:10002:21/ssaTraceSct:
Router#
Router#cid(44) st (SSA_CS_ACTIVE) ev (SSA_EV_VOICE_MODE_DONE) oldst (SSA_CS_CONFERENCING) cfid(21) csi
*Mar 1 15:36:05.032: //44/45F2AAE28044/SSAPP:10002:21/ssaTraceSct: -cid2(45) st2 (SSA_CS_ACTIVE) ol
*Mar 1 15:36:05.032: //44/45F2AAE28044/SSAPP:10002:21/ssaIgnore: cid(44), st (SSA_CS_ACTIVE), olds
Router#
Router#! digit punched
```

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Router#

The phone at the terminating gateway enters digit 1.

```
*Mar 1 15:36:11.204: //45/xxxxxxxxxxxx/CCAPI/cc_api_call_digit_begin: (dstVdbPtr=0x637EC1E0, dstCallId=0x2C, srcCallId=0x2D, digit=1, digit_begin_flags=0x0, rtp_timestamp=0x0, rtp_expiration=0x0, dest_mask=0x2)
*Mar 1 15:36:11.504: //45/xxxxxxxxxxxx/CCAPI/cc_api_call_digit_end: (dstVdbPtr=0x637EC1E0, dstCallId=0x2C, srcCallId=0x2D, digit=1, duration=300, xruleCallingTag=0, xruleCalledTag=0, dest_mask=0x2), digit_tone_mode=0
```

The phone at the terminating gateway enters digit 2.

```
*Mar 1 15:36:11.604: //45/xxxxxxxxxxxx/CCAPI/cc_api_call_digit_begin: (dstVdbPtr=0x637EC1E0, dstCallId=0x2C, srcCallId=0x2D, digit=2, digit_begin_flags=0x0, rtp_timestamp=0x0, rtp_expiration=0x0, dest_mask=0x2)
*Mar 1 15:36:11.904: //45/xxxxxxxxxxxx/CCAPI/cc_api_call_digit_end: (dstVdbPtr=0x637EC1E0, dstCallId=0x2C, srcCallId=0x2D, digit=2, duration=300, xruleCallingTag=0, xruleCalledTag=0, dest_mask=0x2), digit_tone_mode=0
Router#
*Mar 1 15:36:14.476: //-1/xxxxxxxxxxxx/CCAPI/cc_handle_periodic_timer: Calling the callback, ccTimerCtx=0x628B6330
*Mar 1 15:36:14.476: //-1/xxxxxxxxxxxx/CCAPI/ccTimerStart: ccTimerctx - 0x628B6330
Router#
Router#!call hung up The user at the terminating gateway hangs up the call.
Router#
```

The voice gateway receives a disconnect message from the terminating gateway. The cause code is 0x10 which is normal call clearing.

```
*Mar 1 15:36:22.916: //45/xxxxxxxxxxxx/CCAPI/cc_api_call_disconnected: (vdbPtr=0x62EC61A4, callID=0x2D, cause=0x10)
*Mar 1 15:36:22.920: //45/xxxxxxxxxxxx/SSAPP:-1:-1/sess_appl: ev(11=CC_EV_CALL_DISCONNECTED), cid(45)
*Mar 1 15:36:22.920: //45/45F2AAE28044/SSAPP:0:21/ssaTraceSct: cid(45)st(SSA_CS_ACTIVE)ev(SSA_CS_ACTIVE)oldst(SSA_CS_ALERT_RCVD)cfid(21)csize(2)in(0)fDest(0)
*Mar 1 15:36:22.920: //45/45F2AAE28044/SSAPP:0:21/ssaTraceSct: -cid2(44)st2(SSA_CS_ACTIVE)oldst2(SSA_CS_ACTIVE)
*Mar 1 15:36:22.920: ssa: Disconnected cid(45) state(5) cause(0x10)
```

The voice gateway begins tearing down the conference and dropping the bridge.

```
*Mar 1 15:36:22.920: //-1/xxxxxxxxxxxx/CCAPI/ccConferenceDestroy: (confID=0x15, tag=0x0)
*Mar 1 15:36:22.920: //45/xxxxxxxxxxxx/CCAPI/cc_api_bridge_drop_done: (confID=0x15, srcIF=0x62EC61A4)
*Mar 1 15:36:22.920: //44/xxxxxxxxxxxx/CCAPI/cc_api_bridge_drop_done: (confID=0x15, srcIF=0x637E9A00)
*Mar 1 15:36:22.924: //44/xxxxxxxxxxxx/SSAPP:-1:-1/sess_appl: ev(30=CC_EV_CONF_DESTROY_DONE), cid(44)
*Mar 1 15:36:22.924: //44/45F2AAE28044/SSAPP:10002:21/ssaTraceSct: cid(44)st(SSA_CS_CONF_DESTROYING)oldst(SSA_CS_ACTIVE)cfid(21)csize(2)in(1)fDest(1)
*Mar 1 15:36:22.924: //44/45F2AAE28044/SSAPP:10002:21/ssaTraceSct: -cid2(45)st2(SSA_CS_CONF_DESTROYING)oldst2(SSA_CS_ACTIVE)
*Mar 1 15:36:22.924: //45/45F2AAE28044/SSAPP:0:-1/ssaConfDestroyDone:
*Mar 1 15:36:22.924: //44/xxxxxxxxxxxx/CCAPI/ccCallDisconnect: (callID=0x2C, cause=0x10 tag=0x0)
```

The voice gateway stops call accounting on the incoming call, indicated by the leg_type=True message. The cause code is then set for the originating leg.

```
*Mar 1 15:36:22.924: //44/45F2AAE28044/CCAPI/ccCallDisconnect: calling accounting start for call
*Mar 1 15:36:22.924: //44/45F2AAE28044/CCAPI/ccCallDisconnect: existing_cause = 0x0, new_cause = 0x10
*Mar 1 15:36:22.924: //44/xxxxxxxxxxxx/CCAPI/cc_api_get_transfer_info: (callID=0x2C)
*Mar 1 15:36:22.924: //45/xxxxxxxxxxxx/CCAPI/ccCallDisconnect: (callID=0x2D, cause=0x10 tag=0x0)
```

The voice gateway stops call accounting for the outgoing call, indicated by the leg_type=False message. The cause code is verified for the terminating leg.

```
*Mar 1 15:36:22.924: //45/45F2AAE28044/CCAPI/ccCallDisconnect: calling accounting start for call
*Mar 1 15:36:22.924: //45/45F2AAE28044/CCAPI/ccCallDisconnect: existing_cause = 0x10, new_cause
*Mar 1 15:36:22.924: //45/45F2AAE28044/CCAPI/ccCallDisconnect: using the existing_cause 0x10
*Mar 1 15:36:22.928: //45/xxxxxxxxxxxx/CCAPI/cc_api_get_transfer_info: (callID=0x2D)
*Mar 1 15:36:22.932: //-1/xxxxxxxxxxxx/CCAPI/cc_api_icpif: expect factor = 0
*Mar 1 15:36:22.932: //-1/xxxxxxxxxxxx/CCAPI/g113_calculate_impairment: (delay=79,
loss=0), Io=0 Iq=0 Idte=0 Idd=0 Ie=10 Itot=10
*Mar 1 15:36:22.932: //-1/xxxxxxxxxxxx/CCAPI/cc_decr_if_call_volume: the remote IP is 171.69.85.
*Mar 1 15:36:22.932: //-1/xxxxxxxxxxxx/CCAPI/cc_decr_if_call_volume: hwidb is Ethernet0/0
*Mar 1 15:36:22.932: //-1/xxxxxxxxxxxx/CCAPI/cc_decr_if_call_volume: reduce callnum of entry: 0,
*Mar 1 15:36:22.932: //-1/xxxxxxxxxxxx/CCAPI/cc_decr_if_call_volume: remove anentry
*Mar 1 15:36:22.932: //45/xxxxxxxxxxxx/CCAPI/cc_api_call_disconnect_done: (vdbPtr=0x62EC61A4, ca
*Mar 1 15:36:22.932: //45/45F2AAE28044/CCAPI/ccTDPvtProfileTableObjectAccessManager: No profileT
*Mar 1 15:36:22.936: //45/xxxxxxxxxxxx/CCAPI/ccTDUtilGetDataByRef: No tdObjectfound in profileTa
*Mar 1 15:36:22.936: //45/45F2AAE28044/CCAPI/cc_delete_call_entry: not incoming entry
*Mar 1 15:36:22.936: //45/45F2AAE28044/CCAPI/cc_delete_call_entry: entry's incoming FALSE.
*Mar 1 15:36:22.936: //45/45F2AAE28044/CCAPI/cc_delete_call_entry: is_incomingis FALSE
*Mar 1 15:36:22.940: //45/xxxxxxxxxxxx/SSAPP:-1:-1/sess_appl: ev(12=CC_EV_CALL_DISCONNECT_DONE),
*Mar 1 15:36:22.940: //45/45F2AAE28044/SSAPP:0:-1/ssaTraceSct: cid(45)st(SSA_CS
_DISCONNECTING)ev(SSA_EV_CALL_DISCONNECT_DONE)oldst(SSA_CS_ACTIVE)cfid(-1)csiz(2)in(0)fDest(0)
*Mar 1 15:36:22.940: //45/45F2AAE28044/SSAPP:0:-1/ssaTraceSct: -cid2(44)st2(SSA_CS_DISCONNECTING)
*Mar 1 15:36:22.940: //45/45F2AAE28044/SSAPP:0:-1/ssaDisconnectDone:
*Mar 1 15:36:22.940: //45/xxxxxxxxxxxx/CCAPI/ccCallSetAAA_Accounting: callID=0x2D, accounting=0
*Mar 1 15:36:22.944: //-1/xxxxxxxxxxxx/CCAPI/cc_decr_if_call_volume: not the VoIP or MMoIP
*Mar 1 15:36:22.948: //44/xxxxxxxxxxxx/CCAPI/cc_api_call_disconnect_done: (vdbPtr=0x637EC1E0, ca
*Mar 1 15:36:22.948: //44/45F2AAE28044/CCAPI/cc_delete_call_entry: ccFreeRawMsgInfo(0x6307595C)
*Mar 1 15:36:22.948: //44/45F2AAE28044/CCAPI/cc_delete_call_entry: Decrement call volume counter
*Mar 1 15:36:22.948: //44/45F2AAE28044/CCAPI/cc_delete_call_entry: current call volume: 0
*Mar 1 15:36:22.948: //44/45F2AAE28044/CCAPI/cc_delete_call_entry: entry's incoming TRUE.
*Mar 1 15:36:22.948: //44/45F2AAE28044/CCAPI/cc_delete_call_entry: is_incomingis TRUE
*Mar 1 15:36:22.948: //44/45F2AAE28044/CCAPI/cc_delete_call_entry: Deleting profileTable[0x6380E
*Mar 1 15:36:22.948: //-1/xxxxxxxxxxxx/CCAPI/ccTDestructTDHashProfileTab: Destructor Profile Ta
*Mar 1 15:36:22.948: //-1/xxxxxxxxxxxx/CCAPI/ccTDestructInstanceTDOject: tdObject[0x63401148]
*Mar 1 15:36:22.948: //-1/xxxxxxxxxxxx/CCAPI/ccTDestructInstanceTDOject: tdObject[0x638BC1AC]
*Mar 1 15:36:22.956: //44/xxxxxxxxxxxx/SSAPP:-1:-1/sess_appl: ev(12=CC_EV_CALL_DISCONNECT_DONE),
*Mar 1 15:36:22.956: //44/45F2AAE28044/SSAPP:10002:-1/ssaTraceSct: cid(44)st(SSA_CS_DISCONNECTIN
Router#
*Mar 1 15:36:22.956: //44/45F2AAE28044/SSAPP:10002:-1/ssaDisconnectDone:
```