

# Configure y resuelva problemas la grabación de las llamadas básico

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## Introducción

Este documento describe los fundamentos de la grabación de la llamada dentro del encargado de las Comunicaciones unificadas de Cisco (CUCM), los media previstos fluye, los flujos de la llamada esperada para los dispositivos del Session Initiation Protocol (SIP) y del protocolo skinny client control (SCCP), y un ejemplo de un tipo común de error de la disposición de la grabación de la llamada.

## Prerequisites

### Requisitos

Cisco recomienda que usted tiene conocimiento de CUCM integrado con un servidor de tercera persona de la grabación.

### Componentes usados

La información que contiene este documento se basa en las siguientes versiones de software y hardware.

- CUCM
- Internet Protocol (IP) de Cisco
- Servidor de la grabación de las llamadas telefónicas

La información que contiene este documento se creó a partir de los dispositivos en un ambiente de laboratorio específico. Todos los dispositivos que se utilizan en este documento se pusieron en funcionamiento con una configuración verificada (predeterminada). Si su red está viva, asegúrese de que usted entienda el impacto potencial del comando any.

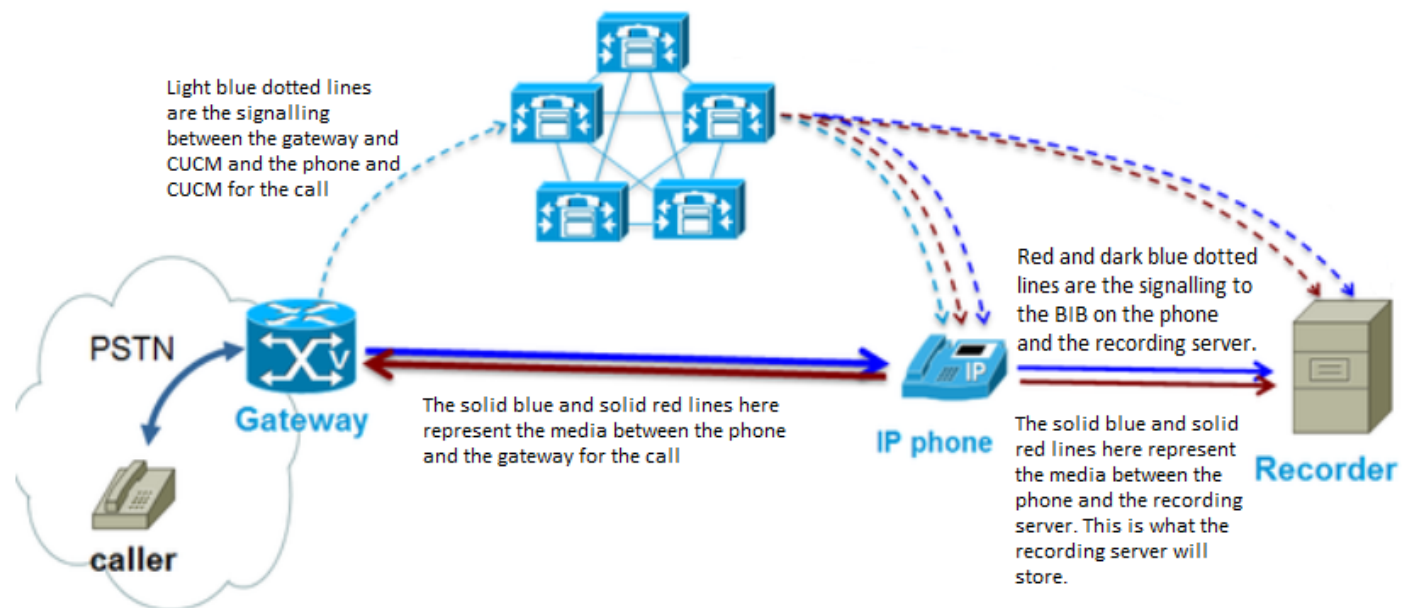
## Tipos de grabación de la llamada

### Automático

Los elementos fundamentales de la grabación de la llamada automática son como sigue:

- Construir-En-puente de las aplicaciones (BABERO) del teléfono IP para bifurcar audio al destino de la grabación
- Iniciado cada vez que el teléfono IP pone una llamada o recibe una llamada
- Requiere solamente un tronco del SORBO entre CUCM y el destino de la grabación. Algunos vendedores de la grabación requieren el Integración de telefonía de computadora (CTI)
- No permite la registración de los teléfonos que están situados fuera de la red administrada (debe tener acceso para enviar el RTP directamente al servidor la registración y a ser un teléfono IP de Cisco capaz de afectar un aparato un BABERO)

En este diagrama, las líneas llenas representan los media previstos fluyen y las líneas discontinuas representan el flujo de señalización previsto:

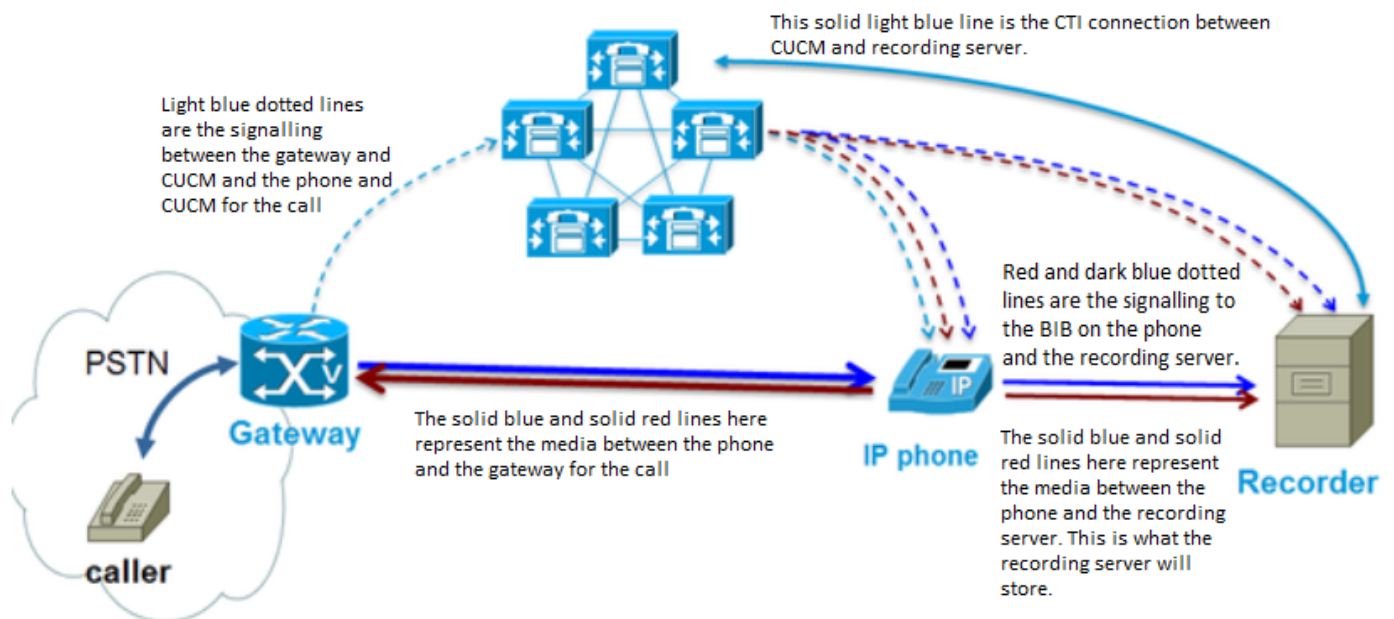


### Aplicación invocada

Los elementos fundamentales de la grabación invocada aplicación de la llamada son como sigue:

- Utiliza el BABERO del teléfono IP para bifurcar audio al destino de la grabación
- Iniciado cuando la aplicación (registrador) dicta que debe ser iniciada
- Requiere el tronco del SORBO y CTI con la aplicación de la grabación
- El usuario de la aplicación CTI debe tener acceso a las puntos finales que necesitan ser registradas
- No permite la registración de los teléfonos que están situados fuera de la red administrada (debe tener acceso para enviar el RTP directamente al servidor la registración)

En el diagrama aquí, las líneas llenas representan los media previstos fluyen y las líneas discontinuas representan el flujo de señalización previsto. La línea llena entre CUCM y el servidor de la grabación denota una conexión CTI entre CUCM y la aplicación.

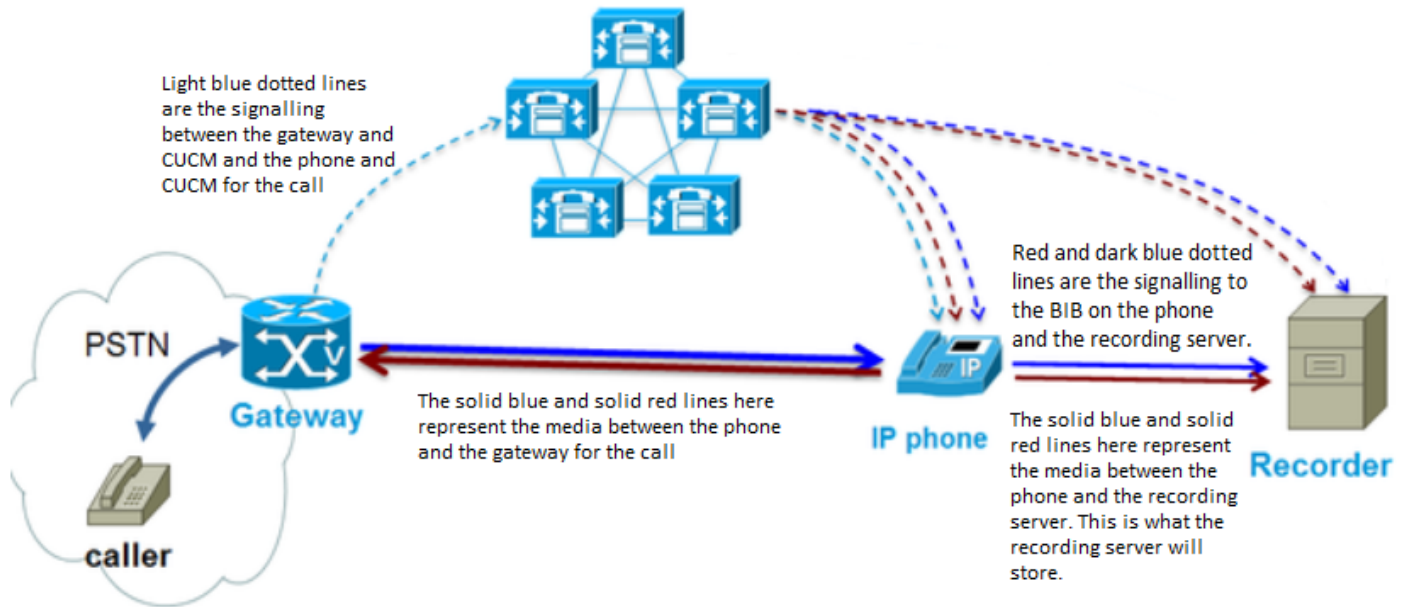


## Selectivo

Los elementos fundamentales de la grabación selectiva de la llamada son como sigue:

- Utiliza el BABERO del teléfono IP para bifurcar audio al destino de la grabación
- Iniciado cada vez que usuario de teléfono IP selecciona la opción de la grabación en su teléfono IP (CUCM 9.x+) o en una aplicación como en [esta imagen](#)
- Requiere típicamente solamente un tronco del SORBO entre CUCM y el destino de la grabación (que depende del vendedor de la aplicación de la grabación)
- Prohíbe a registración de los teléfonos esa mentira fuera de la red administrada (debe tener acceso para enviar el RTP directamente al servidor la registración)

Como usted puede ver en este diagrama aquí, el media y el recorrido de la señal es muy similares a la grabación de la llamada automática:

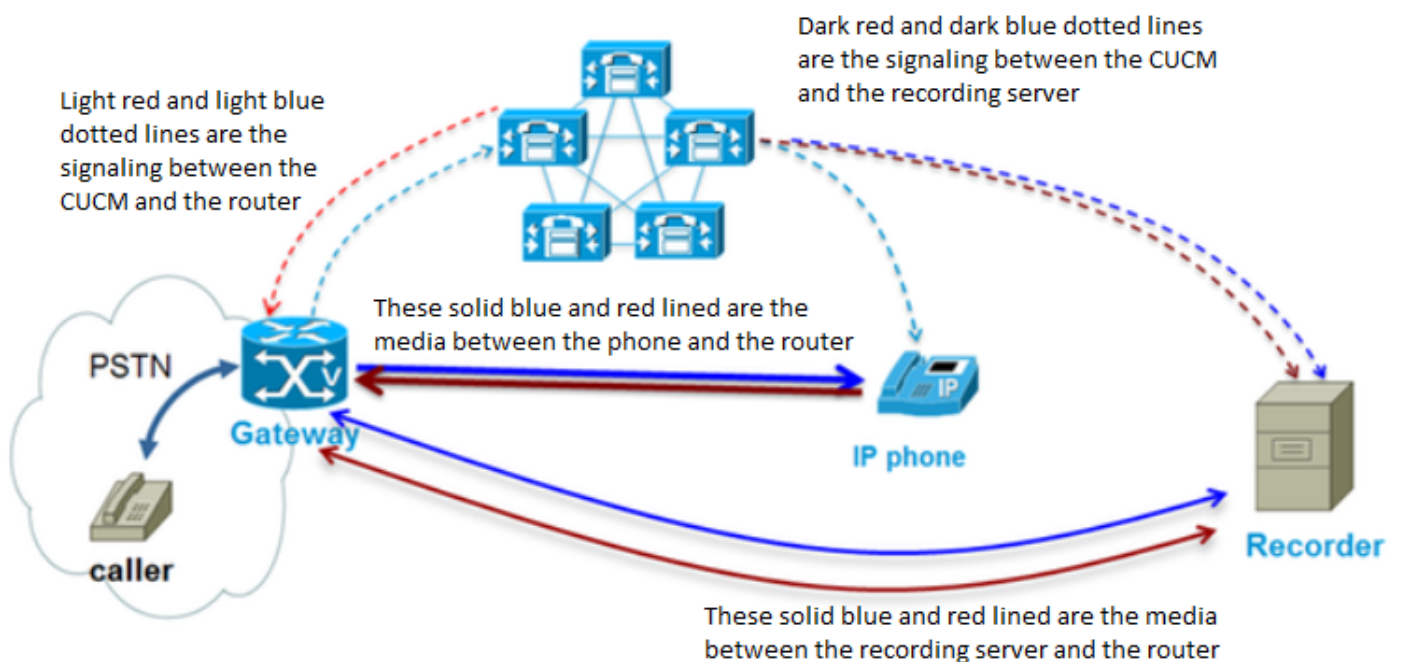


## Gateway-basado

Los elementos fundamentales de la grabación gateway-basada de la llamada son como sigue:

- Expone el gateway bifurca los media hacia el destino de la grabación
- Registros CUCM con el gateway como aplicación
- CUCM utiliza el HTTP para dar instrucciones el gateway (GW) para fluir los media al destino de registración
- CUCM integra con el destino de la grabación vía el tronco del SORBO
- No prohíbe a registración de las llamadas eso simplemente paso a través de la red administrada (por ejemplo, a los usuarios ambulantes) o para los teléfonos que no utilizan el BABERO

Como usted puede ver del diagrama aquí, los media fluyen son muy diferentes de los otros tipos de grabación de la llamada:

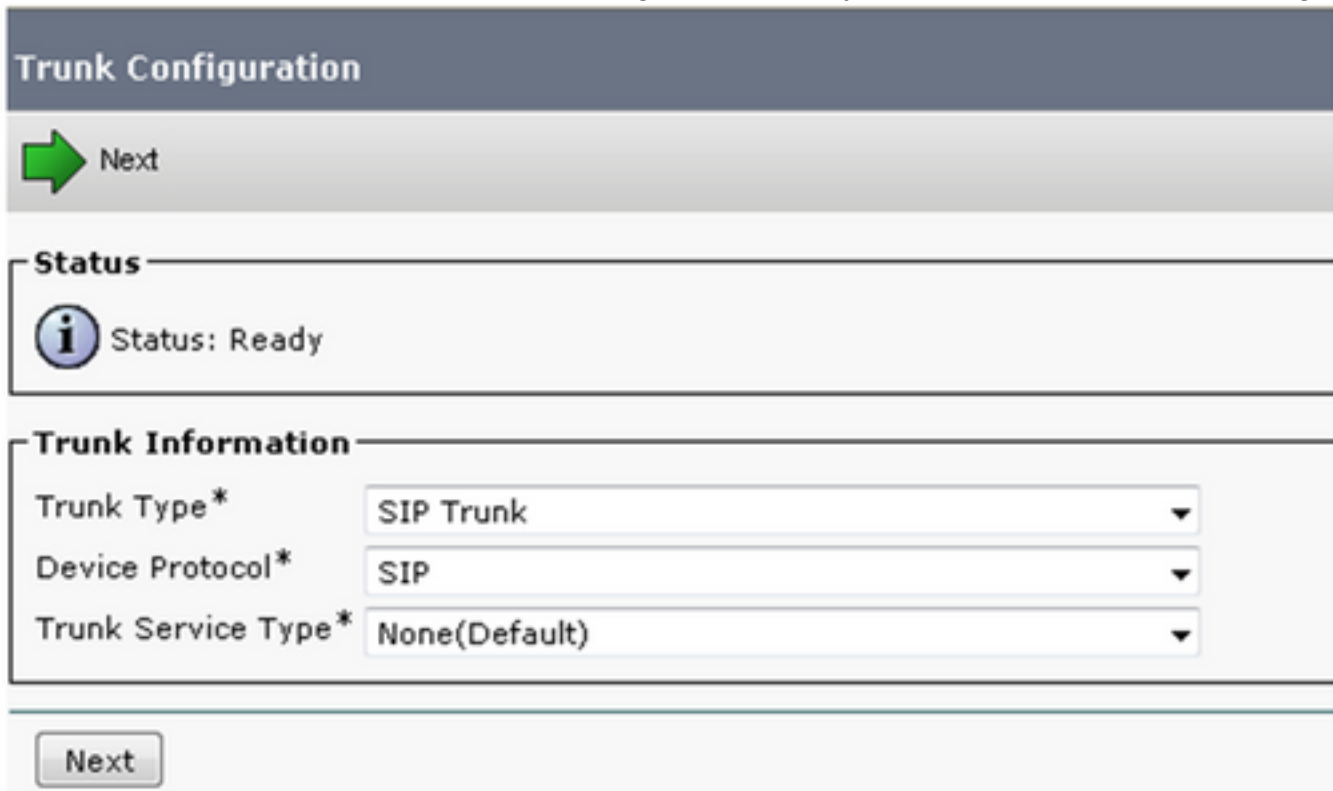


# Configuración de la grabación de la llamada automática para la integración del SORBO solamente

Esta sección describe cómo poner la integración del SORBO de un servidor de la grabación.

## Cree el tronco del SORBO al destino de registración

- Navegue al **dispositivo > al tronco**, selectos **agregan nuevo**.
- Cree un tronco del SORBO con las configuraciones tal y como se muestra en de la imagen.



The screenshot shows the 'Trunk Configuration' interface. At the top, there is a green arrow labeled 'Next'. Below that, the 'Status' section shows an information icon and the text 'Status: Ready'. The 'Trunk Information' section contains three dropdown menus: 'Trunk Type\*' set to 'SIP Trunk', 'Device Protocol\*' set to 'SIP', and 'Trunk Service Type\*' set to 'None(Default)'. At the bottom of the form, there is a 'Next' button.

- Entre el Nombre del dispositivo, la agrupación de dispositivos, el perfil de seguridad del tronco MRGL, del SORBO, y el perfil apropiados del SORBO
- El direccionamiento de destino configurado es el direccionamiento del servidor de aplicaciones de la grabación. En el ejemplo aquí, el servidor de la grabación es **14.48.32.170** tal y como se muestra en de la imagen.







The screenshot shows the 'SIP Information' section, specifically the 'Destination' part. There is a checkbox labeled 'Destination Address is an SRV' which is unchecked. Below it, there are three input fields: 'Destination Address' with the value '14.48.32.170', 'Destination Address IPv6' which is empty, and 'Destination Port' with the value '5060'.

## Cree el perfil de la grabación


- Navegue al **dispositivo > a las configuraciones del dispositivo > al perfil de la grabación**
- El direccionamiento de destino de registración es adonde las llamadas de la grabación se envían tal y como se muestra en de la imagen.

### Recording Profile Configuration

 Save
  Delete
  Copy
  Add New

---

**Status**

 Status: Ready

---

**Recording Profile Information**

Name\*

Recording Calling Search Space

Recording Destination Address \*

---

## Cree el modelo de la ruta para encaminar las llamadas de la grabación

- Cree un modelo de la ruta que haga juego el direccionamiento de destino de la grabación configurado en el Paso previ3
- Usted puede se1alar a una lista de la ruta en vez de directamente en el tronco del SORBO, si usted desea configurar los troncos redundantes del SORBO

**Note:** La divisi3n asignada a este modelo de la ruta se debe asociar a la **grabaci3n que llama el espacio de b3squeda** y tal y como se muestra en de la imagen.

### Pattern Definition

Route Pattern*	<input type="text" value="8675309"/>
Route Partition	<input type="text" value="INTERNAL_PT"/>
Description	<input type="text"/>
Numbering Plan	<input type="text" value="-- Not Selected --"/>
Route Filter	<input &gt;")"="" none="" type="text" value("&lt;=""/>
MLPP Precedence*	<input type="text" value="Default"/>
<input type="checkbox"/> Apply Call Blocking Percentage	<input type="text"/>
Resource Priority Namespace Network Domain	<input &gt;")"="" none="" type="text" value("&lt;=""/>
Route Class*	<input type="text" value="Default"/>
Gateway/Route List*	<input type="text" value="RecordingTrunk"/> <a href="#">(Edit)</a>
Route Option	<input checked="" type="radio"/> Route this pattern

## Asigne el perfil de la grabaci3n a la l3nea telef3nica

- En un tel3fono ya creado con una extensi3n existente, asigne el perfil de la grabaci3n creado
- Asigne el tipo de grabaci3n de la llamada en esta ubicaci3n tambi3n
- El ejemplo muestra la grabaci3n autom3tica, tal y como se muestra en de la imagen.

Recording Option*	Automatic Call Recording Enabled
Recording Profile	Test Recording Profile
Recording Media Source*	Phone Preferred
Monitoring Calling Search Space	< None >

## Fije el BABERO a encendido y la aislamiento a apagado en la página de la Configuración del teléfono

Mientras que en la página de la configuración del dispositivo, navegue a la sección titulada **información del dispositivo**. Fije construido en el puente a **encendido** y la aislamiento a **apagado** tal y como se muestra en de la imagen.

Built In Bridge*	On
Privacy*	Off

## Verifique

Utilize esta sección para confirmar que su configuración funcione correctamente.

Aquí están las conductas esperadas en los rastros del encargado de llamada para SCCP y SORBEN los teléfonos con la configuración dada. Estos ejemplos son para una llamada de teléfono otro teléfono en el mismo racimo mientras que uno de los teléfonos se pone para la grabación de la llamada.

## SCCP

```

~~~~~
Normal CCM Traces for SCCP phone to SCCP phone with SIP Integrated Call Recording
~~~~~

### Calling phone places call

03796977.001 |20:21:08.055 |AppInfo |StationInit: (0000109) SoftKeyEvent softKeyEvent=1(Redial)
lineInstance=0 callReference=0.

### CUCM performs digit analysis against the dialed digits (dd="9110001")

03797017.001 |20:21:08.057 |AppInfo |Digit Analysis: star_DaReq: daReq.partitionSearchSpace(),
filteredPartitionSearchSpaceString(), partitionSearchSpaceString()
03797017.002 |20:21:08.057 |AppInfo |Digit Analysis: star_DaReq: Matching Legacy Numeric,
digits=9110001
03797017.003 |20:21:08.057 |AppInfo |Digit Analysis: getDaRes data&colon; daRes.ssType=[0]
Intercept DAMR.sstype=[0], TPcount=[0], DAMR.NotifyCount=[0], DaRes.NotifyCount=[0]
03797017.004 |20:21:08.057 |AppInfo |Digit Analysis: getDaRes - Remote Destination [] isURI[1]
03797017.005 |20:21:08.057 |AppInfo |Digit analysis: patternUsage=2
03797017.006 |20:21:08.057 |AppInfo |Digit analysis: match(pi="2", fqcn="9110006",
cn="9110006",plv="5", pss="", TodFilteredPss="", dd="9110001",dac="0")
03797017.007 |20:21:08.057 |AppInfo |Digit analysis: analysis results
03797017.008 |20:21:08.057 |AppInfo ||PretransformCallingPartyNumber=9110006
|CallingPartyNumber=9110006

```



|DialingPartition=  
|DialingPattern=9110001  
|FullyQualifiedCalledPartyNumber=9110001  
|DialingPatternRegularExpression=(9110001)  
|DialingWhere=  
|PatternType=Enterprise  
|PotentialMatches=NoPotentialMatchesExist  
|DialingSdlProcessId=(0,0,0)  
|PretransformDigitString=9110001  
|PretransformTagsList=SUBSCRIBER  
|PretransformPositionalMatchList=9110001  
|CollectedDigits=9110001

### CUCM determines call must stay on same node; go to LineControl  
(PID=LineControl(2,100,174,137))

03797019.001 |20:21:08.058 |AppInfo |Digit analysis: wait\_DmPidRes- Partition=[]  
Pattern=[9110001] Where=[],cmDeviceType=[UserDevice], OutsideDialtone =[0], DeviceOverride=[0],  
PID=LineControl(2,100,174,137),CI=[38960749],Sender=Cdcc(2,100,219,29)

### CUCM extends call to phone

03797036.003 |20:21:08.058 |AppInfo |StationD: (0000114) DEBUG whatToDo: line=1 calls=0  
limit=4, busy=2. GCI=(2, 5033), cm\_PL=(5, 0).  
03797036.004 |20:21:08.058 |AppInfo |StationD: (0000114) DEBUG whatToDo: busy trigger not  
hit... send to open appearance  
03797036.005 |20:21:08.058 |AppInfo |preFilterCapCount =[11], preFilterCaps :: (Cap)= (25) (6)  
(4) (2) (7) (8) (15) (16) (11) (12) (257) Filtering Caps due to Service Parameter Configuration  
postFilterCapCount =[8], postFilterCaps :: (Cap)= (25) (4) (2) (15) (16) (11) (12) (257)  
03797036.006 |20:21:08.058 |AppInfo |preFilterCapCount =[0], preFilterCaps :: (Cap)= Filtering  
Caps due to Service Parameter Configuration postFilterCapCount =[0], postFilterCaps :: (Cap)=  
03797036.007 |20:21:08.058 |Created | |  
|StationCdpc(2,100,64,22) |StationD(2,100,63,114) | |  
|NumOfCurrentInstances: 2  
03797036.008 |20:21:08.058 |AppInfo |StationD: (0000114) DEBUG- getLineRingSetting:  
retVal=4.  
03797036.009 |20:21:08.058 |AppInfo |StationD: (0000114) DEBUG- saveRinger for: ci=38960750,  
line=1, mode=2, cm\_precedence=5, callPhase=5.  
03797036.010 |20:21:08.058 |AppInfo |StationD: (0000114) DEBUG- saveRinger: ci=38960750,  
line=1, mode=2, cm\_precedence=5, callPhase=5, modifier=0  
03797036.011 |20:21:08.058 |AppInfo |StationD: (0000114) INFO sendCallAcceptReq: Try to  
send StationLineCallAccept to cdpc=22 .  
03797036.012 |20:21:08.058 |AppInfo |StationD: (0000114) playRinger for: ci=38960750.  
03797036.013 |20:21:08.058 |AppInfo |StationD: (0000114) DEBUG- getLineRingSetting:  
retVal=4.  
03797036.014 |20:21:08.058 |AppInfo |StationD: (0000114) DEBUG- getLineRingSetting:  
retVal=4.  
03797036.015 |20:21:08.058 |AppInfo |StationD: (0000114) DEBUG- getLineRingSetting:  
retVal=4.

### Called (recorded) phone goes off hook

03797089.001 |20:21:09.335 |AppInfo |StationD: (0000114) restart0\_StationOffHook - INFO:  
CI=38960750 on line=1, SPKMode=0, alwaysPrimeLine=0, alwaysUsePrimeLineForVM=0, fid=0,  
offHookTrigger=0.

### CUCM Tells the calling phone to open the logical channel

03797153.001 |20:21:09.337 |AppInfo |StationD: (0000109) SEP0018195AA209 ,  
star\_MediaExchangeAgenaOpenLogicalChannel packetSize=20, codec=4, ci=38960749

### CUCM Tells the called (recorded party) phone to open the logical channel



03797156.001 |20:21:09.337 |AppInfo |StationD: (0000114) SEP001795BDD16B ,  
star\_MediaExchangeAgenaOpenLogicalChannel packetSize=20, codec=4, ci=38960750

### CUCM Tells the calling phone to open the receive channel

03797164.002 |20:21:09.337 |AppInfo |StationD: (0000109) OpenReceiveChannel  
conferenceID=38960749 passThruPartyID=33554450 millisecondPacketSize=20  
compressionType=4(Media\_Payload\_G711Ulaw64k) RFC2833PayloadType=0 qualifierIn=?  
sourceIpAddr=IpAddr.type:0 ipAddr:0x0e302021000000000000000000000000(14.48.32.33). myIP:  
IpAddr.type:0 ipv4Addr:0x0e30201c(14.48.32.28)

### CUCM Tells the called (recorded party) phone to open the receive channel

03797168.002 |20:21:09.337 |AppInfo |StationD: (0000114) OpenReceiveChannel  
conferenceID=38960750 passThruPartyID=33554451 millisecondPacketSize=20  
compressionType=4(Media\_Payload\_G711Ulaw64k) RFC2833PayloadType=0 qualifierIn=?  
sourceIpAddr=IpAddr.type:0 ipAddr:0x0e30201c000000000000000000000000(14.48.32.28). myIP:  
IpAddr.type:0 ipv4Addr:0x0e302021(14.48.32.33)

### CUCM allocates BIB on called (recorded) phone

03797210.000 |20:21:09.338 |SdlSig |MrmAllocateUcbResourceReq |waiting  
|MediaResourceManager(2,100,138,1) |Cc(2,100,220,1)  
|2,100,14,8384.91^14.48.32.33^SEP001795BDD16B |[R:N-H:0,N:1,L:0,V:0,Z:0,D:0] CI=38960751  
SsType=33554461 SsKey=9 BridgeType=0 MRGLPkid= NumStream=1 Bib=89cdb152-4ef2-4d60-9e6b-  
ab8c77c22618 BibTgCi=38960750 FeatId=159 PL=5 PLDmn=0 DeviceCapability=0 NumVideoCapable=0  
requestDeviceType=0 requestDeviceLocale=64 forkingDevicePosition=2 playToneDir=3

### BiB places first call to recording destination address (cn is calling party which is the BiB  
cn="b00223908001" and it is dialing the recordingdestination dd="8675309")

03797269.001 |20:21:09.340 |AppInfo |Digit Analysis: star\_DaReq: daReq.partitionSearchSpace(),  
filteredPartitionSearchSpaceString(), partitionSearchSpaceString()  
03797269.002 |20:21:09.340 |AppInfo |Digit Analysis: star\_DaReq: Matching Legacy Numeric,  
digits=8675309  
03797269.003 |20:21:09.340 |AppInfo |Digit Analysis: getDaRes data: daRes.ssType=[0] Intercept  
DAMR.sstype=[0], TPcount=[0], DAMR.NotifyCount=[0], DaRes.NotifyCount=[0]  
03797269.004 |20:21:09.340 |AppInfo |Digit Analysis: getDaRes - Remote Destination [8675309]  
isURI[0]  
03797269.005 |20:21:09.340 |AppInfo |CMUtility routeCallThroughCTIRD: no matching  
RemDestDynamic record exists for remdest [8675309]  
03797269.006 |20:21:09.340 |AppInfo |DbMobility: getMatchedRemDest starts: cnumber = 8675309  
03797269.007 |20:21:09.340 |AppInfo |DbMobility: getMatchedRemDest: full match case  
03797269.008 |20:21:09.340 |AppInfo |DbMobility SelectByDestination: no matching RemDestDynamic  
record exists for remdest [8675309]  
03797269.009 |20:21:09.340 |AppInfo |DbMobility: can't find remdest 8675309 in map  
03797269.010 |20:21:09.340 |AppInfo |Digit analysis: patternUsage=5  
03797269.011 |20:21:09.340 |AppInfo |Digit analysis: match(pi="1", fqcn="",  
cn="b00223908001",plv="5", pss="E911\_PT:Phones\_PT:EMERGENCY\_PT:INTERNAL\_PT:INFORMACAST\_PT",  
TodFilteredPss="E911\_PT:Phones\_PT:EMERGENCY\_PT:INTERNAL\_PT:INFORMACAST\_PT",  
dd="8675309",dac="0")  
03797269.012 |20:21:09.340 |AppInfo |Digit analysis: analysis results  
03797269.013 |20:21:09.340 |AppInfo ||PretransformCallingPartyNumber=b00223908001  
|CallingPartyNumber=b00223908001  
|DialingPartition=  
|DialingPattern=8675309  
|FullyQualifiedCalledPartyNumber=8675309  
|DialingPatternRegularExpression=(8675309)  
|DialingWhere=  
|PatternType=Enterprise  
|PotentialMatches=NoPotentialMatchesExist  
|DialingSdlProcessId=(0,0,0)  
|PretransformDigitString=8675309

|PretransformTagsList=SUBSCRIBER  
|PretransformPositionalMatchList=8675309  
|CollectedDigits=8675309

### CUCM sends INVITE #1 to configured recording server (14.48.32.170)

03797320.001 |20:21:09.343 |AppInfo |//SIP/SIPUdp/wait\_SdlSPISignal: Outgoing SIP UDP message to 14.48.32.170:[5060]:  
[212231,NET]  
INVITE sip:8675309@14.48.32.170:5060 SIP/2.0  
Via: SIP/2.0/UDP 14.48.32.90:5060;branch=z9hG4bK204d520fedb3  
From: <sip:9110001@14.48.32.90;x-nearend;x-refci=38960750;x-nearendclusterid=glenscucm10-5;x-nearenddevice=sep001795bdd16b;x-nearendaddr=9110001;x-farendrefci=38960749;x-farendclusterid=glenscucm10-5;x-farenddevice=sep0018195aa209;x-farendaddr=9110006>;tag=73601~713e2333-4032-45f1-blf5-e33cf471acec-38960754  
To: <sip:8675309@14.48.32.170>  
Date: Tue, 30 Sep 2014 00:21:09 GMT  
Call-ID: abbb8e00-4291f775-204c-5a20300e@14.48.32.90  
Supported: timer,resource-priority,replaces  
Min-SE: 1800  
User-Agent: Cisco-CUCM10.5  
Allow: INVITE, OPTIONS, INFO, BYE, CANCEL, ACK, PRACK, UPDATE, REFER, SUBSCRIBE, NOTIFY  
CSeq: 101 INVITE  
Expires: 180  
Allow-Events: presence, kpml  
Supported: X-cisco-srtp-fallback  
Supported: Geolocation  
Call-Info: ;method="NOTIFY;Event=telephone-event;Duration=500"  
Cisco-Guid: 2881195520-0000065536-0000000011-1512058894  
Session-Expires: 1800  
P-Asserted-Identity: <sip:9110001@14.48.32.90>  
Remote-Party-ID: <sip:9110001@14.48.32.90>;party=calling;screen=yes;privacy=off  
Contact: <sip:9110001@14.48.32.90:5060>;isFocus  
Max-Forwards: 70  
Content-Length: 0

### BiB places second call to recording destination address (cn is calling party which is the BiB cn="b00223908001" and it is dialing the recordingdestination dd="8675309")  
Note that the BiB number stayed the same (b00223908001) and so did the recordingdestination number

03797367.010 |20:21:09.344 |AppInfo |Digit analysis: patternUsage=5  
03797367.011 |20:21:09.344 |AppInfo |Digit analysis: match(pi="1", fqcn="",  
cn="b00223908001",plv="5", pss="E911\_PT:Phones\_PT:EMERGENCY\_PT:INTERNAL\_PT:INFORMACAST\_PT",  
TodFilteredPss="E911\_PT:Phones\_PT:EMERGENCY\_PT:INTERNAL\_PT:INFORMACAST\_PT",  
dd="8675309",dac="0")  
03797367.012 |20:21:09.344 |AppInfo |Digit analysis: analysis results  
03797367.013 |20:21:09.344 |AppInfo ||PretransformCallingPartyNumber=b00223908001  
|CallingPartyNumber=b00223908001  
|DialingPartition=  
|DialingPattern=8675309  
|FullyQualifiedCalledPartyNumber=8675309  
|DialingPatternRegularExpression=(8675309)  
|DialingWhere=  
|PatternType=Enterprise  
|PotentialMatches=NoPotentialMatchesExist  
|DialingSdlProcessId=(0,0,0)  
|PretransformDigitString=8675309  
|PretransformTagsList=SUBSCRIBER  
|PretransformPositionalMatchList=8675309  
|CollectedDigits=8675309

### CUCM receives 200 OK in response to INVITE #1

03797390.001 |20:21:09.345 |AppInfo |//SIP/SIPUdp/wait\_SdlDataInd: Incoming SIP UDP message  
size 737 from 14.48.32.170:[5060]:  
[212232,NET]  
SIP/2.0 200 OK  
Via: SIP/2.0/UDP 14.48.32.90:5060;branch=z9hG4bK204d520fedb3  
From: <sip:9110001@14.48.32.90;x-nearend;x-refci=38960750;x-nearendclusterid=glenscucm10-5;x-  
nearenddevice=sep001795bdd16b;x-nearendaddr=9110001;x-farendrefci=38960749;x-  
farendclusterid=glenscucm10-5;x-farenddevice=sep0018195aa209;x-  
farendaddr=9110006>;tag=73601~713e2333-4032-45f1-b1f5-e33cf47lacec-38960754  
To: <sip:8675309@14.48.32.170>;tag=1  
Call-ID: abbb8e00-4291f775-204c-5a20300e@14.48.32.90  
CSeq: 101 INVITE  
Contact: <sip:14.48.32.170:5060;transport=udp>  
Content-Type: application/sdp  
Content-Length: 135

v=0  
o=user1 53655765 2353687637 IN IP4 14.48.32.170  
s=-  
c=IN IP4 14.48.32.170  
t=0 0  
m=audio 6000 RTP/AVP 0  
a=rtpmap:0 PCMU/8000

### CUCM sends INVITE #2 to recording server (14.48.32.170)

03797445.001 |20:21:09.348 |AppInfo |//SIP/SIPUdp/wait\_SdlSPISignal: Outgoing SIP UDP message  
to 14.48.32.170:[5060]:  
[212233,NET]  
INVITE sip:8675309@14.48.32.170:5060 SIP/2.0  
Via: SIP/2.0/UDP 14.48.32.90:5060;branch=z9hG4bK204e754eaeae  
From: <sip:9110001@14.48.32.90;x-farend;x-refci=38960750;x-nearendclusterid=glenscucm10-5;x-  
nearenddevice=sep001795bdd16b;x-nearendaddr=9110001;x-farendrefci=38960749;x-  
farendclusterid=glenscucm10-5;x-farenddevice=sep0018195aa209;x-  
farendaddr=9110006>;tag=73602~713e2333-4032-45f1-b1f5-e33cf47lacec-38960757  
To: <sip:8675309@14.48.32.170>  
Date: Tue, 30 Sep 2014 00:21:09 GMT  
Call-ID: abbb8e00-4291f775-204d-5a20300e@14.48.32.90  
Supported: timer,resource-priority,replaces  
Min-SE: 1800  
User-Agent: Cisco-CUCM10.5  
Allow: INVITE, OPTIONS, INFO, BYE, CANCEL, ACK, PRACK, UPDATE, REFER, SUBSCRIBE, NOTIFY  
CSeq: 101 INVITE  
Expires: 180  
Allow-Events: presence, kpml  
Supported: X-cisco-srtp-fallback  
Supported: Geolocation  
Call-Info: ;method="NOTIFY;Event=telephone-event;Duration=500"  
Cisco-Guid: 2881195520-0000065536-0000000012-1512058894  
Session-Expires: 1800  
P-Asserted-Identity: <sip:9110001@14.48.32.90>  
Remote-Party-ID: <sip:9110001@14.48.32.90>;party=calling;screen=yes;privacy=off  
Contact: <sip:9110001@14.48.32.90:5060>;isFocus  
Max-Forwards: 70  
Content-Length: 0

### CUCM receives 200 OK in response to INVITE #2

03797498.001 |20:21:09.350 |AppInfo |//SIP/SIPUdp/wait\_SdlDataInd: Incoming SIP UDP message  
size 736 from 14.48.32.170:[5060]:  
[212235,NET]  
SIP/2.0 200 OK

Via: SIP/2.0/UDP 14.48.32.90:5060;branch=z9hG4bK204e754eaeae  
From: <sip:9110001@14.48.32.90;x-farend;x-refci=38960750;x-nearendclusterid=glenscucm10-5;x-nearenddevice=sep001795bdd16b;x-nearendaddr=9110001;x-farendrefci=38960749;x-farendclusterid=glenscucm10-5;x-farenddevice=sep0018195aa209;x-farendaddr=9110006>;tag=73602~713e2333-4032-45f1-blf5-e33cf471acec-38960757  
To: <sip:8675309@14.48.32.170>;tag=2  
Call-ID: abbb8e00-4291f775-204d-5a20300e@14.48.32.90  
CSeq: 101 INVITE  
Contact: <sip:14.48.32.170:5060;transport=udp>  
Content-Type: application/sdp  
Content-Length: 135

v=0  
o=user1 53655765 2353687637 IN IP4 14.48.32.170  
s=-  
c=IN IP4 14.48.32.170  
t=0 0  
m=audio 6000 RTP/AVP 0  
a=rtpmap:0 PCMU/8000

### CUCM sends outbound ACK in response to 200 OK #1

03797500.001 |20:21:09.351 |AppInfo |//SIP/SIPUdp/wait\_SdlSPISignal: Outgoing SIP UDP message to 14.48.32.170:[5060]:

[212236,NET]

ACK sip:14.48.32.170:5060;transport=UDP SIP/2.0

Via: SIP/2.0/UDP 14.48.32.90:5060;branch=z9hG4bK204f50bef815

From: <sip:9110001@14.48.32.90;x-nearend;x-refci=38960750;x-nearendclusterid=glenscucm10-5;x-nearenddevice=sep001795bdd16b;x-nearendaddr=9110001;x-farendrefci=38960749;x-farendclusterid=glenscucm10-5;x-farenddevice=sep0018195aa209;x-farendaddr=9110006>;tag=73601~713e2333-4032-45f1-blf5-e33cf471acec-38960754

To: <sip:8675309@14.48.32.170>;tag=1

Date: Tue, 30 Sep 2014 00:21:09 GMT

Call-ID: abbb8e00-4291f775-204c-5a20300e@14.48.32.90

User-Agent: Cisco-CUCM10.5

Max-Forwards: 70

CSeq: 101 ACK

Allow-Events: presence, kpml

Content-Type: application/sdp

Content-Length: 254

v=0  
o=CiscoSystemsCCM-SIP 73601 1 IN IP4 14.48.32.90  
s=SIP Call  
c=IN IP4 14.48.32.33  
b=TIAS:64000  
b=CT:64  
b=AS:64  
t=0 0  
m=audio 4000 RTP/AVP 0 101  
a=ptime:20  
a=rtpmap:0 PCMU/8000  
a=sendonly  
a=rtpmap:101 telephone-event/8000  
a=fmtp:101 0-15

### CUCM sends startMediaTransmission to the called (recorded) phone telling the phone to send RTP to recording server (14.48.32.170)

03797479.001 |20:21:09.350 |AppInfo |StationD: (0000114) startMediaTransmission  
conferenceID=38960750 passThruPartyID=33554452 remoteIpAddress=IpAddr.type:0  
ipAddr:0x0e3020aa000000000000000000000000(14.48.32.170) remotePortNumber=6000  
milliSecondPacketSize=20 compressType=4(Media\_Payload\_G711Ulaw64k) RFC2833PayloadType=0

qualifierOut=?. myIP: IpAddr.type:0 ipv4Addr:0x0e302021(14.48.32.33)

### CUCM sends startMediaTransmission #2 to the called (recorded) phone telling the phone to send RTP to recording server (14.48.32.170)

03797596.001 |20:21:09.354 |AppInfo |StationD: (0000114) startMediaTransmission  
conferenceID=38960750 passThruPartyID=33554453 remoteIpAddress=IpAddr.type:0  
ipAddr:0x0e3020aa000000000000000000000000(14.48.32.170) remotePortNumber=6000  
milliSecondPacketSize=20 compressType=4(Media\_Payload\_G711Ulaw64k) RFC2833PayloadType=0  
qualifierOut=?. myIP: IpAddr.type:0 ipv4Addr:0x0e302021(14.48.32.33)

### CUCM sends outbound ACK in response to 200 OK #2

03797615.001 |20:21:09.354 |AppInfo |//SIP/SIPUdp/wait\_SdlSPISignal: Outgoing SIP UDP message  
to 14.48.32.170:[5060]:  
[212237,NET]  
ACK sip:14.48.32.170:5060;transport=UDP SIP/2.0  
Via: SIP/2.0/UDP 14.48.32.90:5060;branch=z9hG4bK2050183495f1  
From: <sip:9110001@14.48.32.90;x-farend;x-refci=38960750;x-nearendclusterid=glenscucm10-5;x-  
nearenddevice=sep001795bdd16b;x-nearendaddr=9110001;x-farendrefci=38960749;x-  
farendclusterid=glenscucm10-5;x-farenddevice=sep0018195aa209;x-  
farendaddr=9110006>;tag=73602~713e2333-4032-45f1-blf5-e33cf47lacec-38960757  
To: <sip:8675309@14.48.32.170>;tag=2  
Date: Tue, 30 Sep 2014 00:21:09 GMT  
Call-ID: abbb8e00-4291f775-204d-5a20300e@14.48.32.90  
User-Agent: Cisco-CUCM10.5  
Max-Forwards: 70  
CSeq: 101 ACK  
Allow-Events: presence, kpml  
Content-Type: application/sdp  
Content-Length: 254

v=0  
o=CiscoSystemsCCM-SIP 73602 1 IN IP4 14.48.32.90  
s=SIP Call  
c=IN IP4 14.48.32.33  
b=TIAS:64000  
b=CT:64  
b=AS:64  
t=0 0  
m=audio 4000 RTP/AVP 0 101  
a=ptime:20  
a=rtpmap:0 PCMU/8000  
a=sendonly  
a=rtpmap:101 telephone-event/8000  
a=fmtp:101 0-15

### Calling phone sends CUCM the ORC ACK

03797634.001 |20:21:09.385 |AppInfo |StationInit: (0000109) OpenReceiveChannelAck Status=0,  
IpAddr=IpAddr.type:0 ipAddr:0x0e30201c000000000000000000000000(14.48.32.28), Port=17996,  
PartyID=33554450

### CUCM sends startMediaTransmission to the called (recorded) phone telling the phone to send RTP to the calling phone (14.48.32.28)

03797642.001 |20:21:09.385 |AppInfo |StationD: (0000114) startMediaTransmission  
conferenceID=38960750 passThruPartyID=33554451 remoteIpAddress=IpAddr.type:0  
ipAddr:0x0e30201c000000000000000000000000(14.48.32.28) remotePortNumber=17996  
milliSecondPacketSize=20 compressType=4(Media\_Payload\_G711Ulaw64k) RFC2833PayloadType=0  
qualifierOut=?. myIP: IpAddr.type:0 ipv4Addr:0x0e302021(14.48.32.33)

### Called (recorded) phone sends CUCM the ORC ACK

03797643.001 |20:21:09.454 |AppInfo |StationInit: (0000114) OpenReceiveChannelAck Status=0,  
IpAddr=IpAddr.type:0 ipAddr:0x0e302021000000000000000000000000(14.48.32.33), Port=32588,  
PartyID=33554451

### CUCM sends startMediaTransmission to the calling phone telling the phone to send RTP to the  
called phone (14.48.32.33)

03797655.001 |20:21:09.454 |AppInfo |StationD: (0000109) startMediaTransmission  
conferenceID=  
38960749 passThruPartyID=33554450 remoteIpAddress=IpAddr.type:0  
ipAddr:0x0e302021000000000000000000000000(14.48.32.33) remotePortNumber=32588  
milliSecondPacketSize=20 compressType=4(Media\_Payload\_G711Ulaw64k) RFC2833PayloadType=0  
qualifierOut=?. myIP: IpAddr.type:0 ipv4Addr:0x0e30201c(14.48.32.28)

## SORBO

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Normal CCM Traces for SCCP phone to SIP phone with SIP Integrated Call Recording

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### Calling phone places call

01314118.001 |11:18:44.472 |AppInfo |StationInit: (0000004) EnblocCall calledParty=9110011.

### CUCM performs digit analysis against the dialed digits (dd="9110011")

01314127.001 |11:18:44.473 |AppInfo |Digit Analysis: star\_DaReq: daReq.partitionSearchSpace(),  
filteredPartitionSearchSpaceString(), partitionSearchSpaceString()  
01314127.002 |11:18:44.473 |AppInfo |Digit Analysis: star\_DaReq: Matching Legacy Numeric,  
digits=9110011  
01314127.003 |11:18:44.499 |AppInfo |Digit Analysis: getDaRes data: daRes.ssType=[0] Intercept  
DAMR.sstype=[0], TPcount=[0], DAMR.NotifyCount=[0], DaRes.NotifyCount=[0]  
01314127.004 |11:18:44.499 |AppInfo |Digit Analysis: getDaRes - Remote Destination [] isURI[1]  
01314127.005 |11:18:44.506 |AppInfo |Digit analysis: patternUsage=2  
01314127.006 |11:18:44.506 |AppInfo |Digit analysis: match(pi="2", fqcn="9110006",  
cn="9110006",plv="5", pss="", TodFilteredPss="", dd="9110011",dac="1")  
01314127.007 |11:18:44.506 |AppInfo |Digit analysis: analysis results  
01314127.008 |11:18:44.506 |AppInfo ||PretransformCallingPartyNumber=9110006  
|CallingPartyNumber=9110006  
|DialingPartition=  
|DialingPattern=9110011  
|FullyQualifiedCalledPartyNumber=9110011  
|DialingPatternRegularExpression=(9110011)  
|DialingWhere=  
|PatternType=Enterprise  
|PotentialMatches=NoPotentialMatchesExist  
|DialingSdlProcessId=(0,0,0)  
|PretransformDigitString=9110011  
|PretransformTagsList=SUBSCRIBER  
|PretransformPositionalMatchList=9110011  
|CollectedDigits=9110011

### CUCM determines call must stay on same node and go to LineControl  
(PID=LineControl(2,100,174,19))

01314129.001 |11:18:44.506 |AppInfo |Digit analysis: wait\_DmPidRes- Partition=[]  
Pattern=[9110011] Where=[],cmDeviceType=[UserDevice], OutsideDialtone =[0], DeviceOverride=[0],  
PID=LineControl(2,100,174,19),CI=[47601637],Sender=Cdcc(2,100,219,1)

### CUCM sends outbound INVITE to called (recorded) phone

01314173.001 |11:18:44.754 |AppInfo |SIPTcp - wait\_SdlSPISignal: Outgoing SIP TCP message to 14.48.32.17 on port 50841 index 17  
[106316,NET]  
INVITE sip:56ce4d7f-d3a2-40fd-a8b3-3f93c8832b9d@14.48.32.17:50841;transport=tcp SIP/2.0  
Via: SIP/2.0/TCP 14.48.32.90:5060;branch=z9hG4bK203b13880683  
From: <sip:9110006@14.48.32.90>;tag=38244~713e2333-4032-45f1-b1f5-e33cf471acec-47601638  
To: <sip:9110011@14.48.32.90>  
Date: Tue, 14 Oct 2014 15:18:44 GMT  
Call-ID: 6198e780-43d13ed4-203c-5a20300e@14.48.32.90  
Supported: timer,resource-priority,replaces  
Min-SE: 1800  
User-Agent: Cisco-CUCM10.5  
Allow: INVITE, OPTIONS, INFO, BYE, CANCEL, ACK, PRACK, UPDATE, REFER, SUBSCRIBE, NOTIFY  
CSeq: 101 INVITE  
Expires: 180  
Allow-Events: presence  
Call-Info: ; security= Unknown; orientation= from; gci= 2-6001; isVoip; call-instance= 1  
Send-Info: conference, x-cisco-conference  
Alert-Info:  
Remote-Party-ID: <sip:9110006@14.48.32.90;x-cisco-callback-number=9110006>;party=calling;screen=yes;privacy=off  
Contact: <sip:9110006@14.48.32.90:5060;transport=tcp>  
Max-Forwards: 70  
Content-Length: 0

### Called (recorded) phone returns 100 Trying

01314174.002 |11:18:44.758 |AppInfo |SIPTcp - wait\_SdlReadRsp: Incoming SIP TCP message from 14.48.32.17 on port 50841 index 17 with 802 bytes:  
[106317,NET]  
SIP/2.0 100 Trying  
Via: SIP/2.0/TCP 14.48.32.90:5060;branch=z9hG4bK203b13880683  
From: <sip:9110006@14.48.32.90>;tag=38244~713e2333-4032-45f1-b1f5-e33cf471acec-47601638  
To: <sip:9110011@14.48.32.90>  
Call-ID: 6198e780-43d13ed4-203c-5a20300e@14.48.32.90  
Date: Tue, 14 Oct 2014 15:18:51 GMT  
CSeq: 101 INVITE  
Server: Cisco-CP8841/10.2.1  
Contact: <sip:56ce4d7f-d3a2-40fd-a8b3-3f93c8832b9d@14.48.32.17:50841;transport=tcp>  
Allow: ACK,BYE,CANCEL,INVITE,NOTIFY,OPTIONS,REFER,REGISTER,UPDATE,SUBSCRIBE,INFO  
Supported: replaces,join,sdp-anat,norefersub,resource-priority,extended-refer,X-cisco-callinfo,X-cisco-serviceuri,X-cisco-escapecodes,X-cisco-service-control,X-cisco-srtp-fallback,X-cisco-monrec,X-cisco-config,X-cisco-sis-7.0.0,X-cisco-xsi-8.5.1  
Allow-Events: kpml,dialog  
Content-Length: 0

### Called (recorded) phone returns 180 Ringing

01314178.002 |11:18:45.357 |AppInfo |SIPTcp - wait\_SdlReadRsp: Incoming SIP TCP message from 14.48.32.17 on port 50841 index 17 with 950 bytes:  
[106318,NET]  
SIP/2.0 180 Ringing  
Via: SIP/2.0/TCP 14.48.32.90:5060;branch=z9hG4bK203b13880683  
From: <sip:9110006@14.48.32.90>;tag=38244~713e2333-4032-45f1-b1f5-e33cf471acec-47601638  
To: <sip:9110011@14.48.32.90>;tag=b000b4d9e8cb0bba73e445ee-3cc7e650  
Call-ID: 6198e780-43d13ed4-203c-5a20300e@14.48.32.90  
Date: Tue, 14 Oct 2014 15:18:51 GMT  
CSeq: 101 INVITE  
Server: Cisco-CP8841/10.2.1  
Contact: <sip:56ce4d7f-d3a2-40fd-a8b3-3f93c8832b9d@14.48.32.17:50841;transport=tcp>  
Allow: ACK,BYE,CANCEL,INVITE,NOTIFY,OPTIONS,REFER,REGISTER,UPDATE,SUBSCRIBE,INFO



Remote-Party-ID: "9110011" <sip:9110011@14.48.32.90>;party=called;id-type=subscriber;privacy=off;screen=yes  
Supported: replaces,join,sdp-anat,norefersub,resource-priority,extended-refer,X-cisco-callinfo,X-cisco-serviceuri,X-cisco-escapecodes,X-cisco-service-control,X-cisco-srtp-fallback,X-cisco-monrec,X-cisco-config,X-cisco-sis-7.0.0,X-cisco-xsi-8.5.1  
Allow-Events: kpml,dialog  
Content-Length: 0

### Called (recorded) phone returns 200 OK

01314217.002 |11:18:48.466 |AppInfo |SIPTcp - wait\_SdlReadRsp: Incoming SIP TCP message from 14.48.32.17 on port 50841 index 17 with 1430 bytes:

[106319,NET]

SIP/2.0 200 OK

Via: SIP/2.0/TCP 14.48.32.90:5060;branch=z9hG4bK203b13880683

From: <sip:9110006@14.48.32.90>;tag=38244~713e2333-4032-45f1-b1f5-e33cf471acec-47601638

To: <sip:9110011@14.48.32.90>;tag=b000b4d9e8cb0bba73e445ee-3cc7e650

Call-ID: 6198e780-43d13ed4-203c-5a20300e@14.48.32.90

Date: Tue, 14 Oct 2014 15:18:54 GMT

CSeq: 101 INVITE

Server: Cisco-CP8841/10.2.1

Contact: <sip:56ce4d7f-d3a2-40fd-a8b3-3f93c8832b9d@14.48.32.17:50841;transport=tcp>

Allow: ACK,BYE,CANCEL,INVITE,NOTIFY,OPTIONS,REFER,REGISTER,UPDATE,SUBSCRIBE,INFO

Remote-Party-ID: "9110011" <sip:9110011@14.48.32.90>;party=called;id-

type=subscriber;privacy=off;screen=yes

Supported: replaces,join,sdp-anat,norefersub,resource-priority,extended-refer,X-cisco-callinfo,X-cisco-serviceuri,X-cisco-escapecodes,X-cisco-service-control,X-cisco-srtp-fallback,X-cisco-monrec,X-cisco-config,X-cisco-sis-7.0.0,X-cisco-xsi-8.5.1

Allow-Events: kpml,dialog

Content-Length: 404

Content-Type: application/sdp

Content-Disposition: session;handling=optional

v=0

o=Cisco-SIPUA 15076 0 IN IP4 14.48.32.17

s=SIP Call

t=0 0

m=audio 28354 RTP/AVP 0 8 18 102 9 116 124 101

c=IN IP4 14.48.32.17

a=rtpmap:0 PCMU/8000

a=rtpmap:8 PCMA/8000

a=rtpmap:18 G729/8000

a=fmtp:18 annexb=yes

a=rtpmap:102 L16/16000

a=rtpmap:9 G722/8000

a=rtpmap:116 iLBC/8000

a=fmtp:116 mode=20

a=rtpmap:124 ISAC/16000

a=rtpmap:101 telephone-event/8000

a=fmtp:101 0-15

a=sendrecv

### CUCM Tells the calling phone to open the logical channel

01314284.001 |11:18:48.599 |AppInfo |StationD: (0000004) SEP0018195AA209 , star\_MediaExchangeAgenaOpenLogicalChannel packetSize=20, codec=4, ci=47601637

### CUCM Tells the calling phone to open the receive channel

01314294.002 |11:18:48.599 |AppInfo |StationD: (0000004) OpenReceiveChannel conferenceID=47601637 passThruPartyID=33554433 millisecondPacketSize=20 compressionType=4(Media\_Payload\_G711Ulaw64k) RFC2833PayloadType=101 qualifierIn=? sourceIpAddr=IpAddr.type:0 ipAddr:0x0e302011000000000000000000000000(14.48.32.17). myIP:

IpAddr.type:0 ipv4Addr:0x0e30201c(14.48.32.28)

### CUCM sends startMediaTransmission to the calling phone telling the phone to send RTP to the called (recorded) phone (14.48.32.17)

01314295.001 |11:18:48.599 |AppInfo |StationD: (0000004) startMediaTransmission  
conferenceID=47601637 passThruPartyID=33554433 remoteIpAddress=IpAddr.type:0  
ipAddr:0x0e302011000000000000000000000000(14.48.32.17) remotePortNumber=28354  
milliSecondPacketSize=20 compressType=4(Media\_Payload\_G711Ulaw64k) RFC2833PayloadType=101  
qualifierOut=?. myIP: IpAddr.type:0 ipv4Addr:0x0e30201c(14.48.32.28)

### CUCM sends ACK to called (recorded) phone telling the called phone to send media to the calling phone (14.48.32.28)

01314344.001 |11:18:48.652 |AppInfo |SIPTcp - wait\_SdlSPISignal: Outgoing SIP TCP message to 14.48.32.17 on port 50841 index 17

[106320,NET]  
ACK sip:56ce4d7f-d3a2-40fd-a8b3-3f93c8832b9d@14.48.32.17:50841;transport=tcp SIP/2.0  
Via: SIP/2.0/TCP 14.48.32.90:5060;branch=z9hG4bK203c2831c118  
From: <sip:9110006@14.48.32.90>;tag=38244~713e2333-4032-45f1-b1f5-e33cf471acec-47601638  
To: <sip:9110011@14.48.32.90>;tag=b000b4d9e8cb0bba73e445ee-3cc7e650  
Date: Tue, 14 Oct 2014 15:18:44 GMT  
Call-ID: 6198e780-43d13ed4-203c-5a20300e@14.48.32.90  
User-Agent: Cisco-CUCM10.5  
Max-Forwards: 70  
CSeq: 101 ACK  
Allow-Events: presence  
Content-Type: application/sdp  
Content-Length: 243

v=0  
o=CiscoSystemsCCM-SIP 38244 1 IN IP4 14.48.32.90  
s=SIP Call  
c=IN IP4 14.48.32.28  
b=TIAS:64000  
b=CT:64  
b=AS:64  
t=0 0  
m=audio 17260 RTP/AVP 0 101  
a=ptime:20  
a=rtpmap:0 PCMU/8000  
a=rtpmap:101 telephone-event/8000  
a=fmtp:101 0-15

### CUCM allocates BiB on called (recorded) phone

01314383.000 |11:18:48.675 |SdlSig |MrmAllocateUcbResourceReq |waiting  
|MediaResourceManager(2,100,138,1) |Cc(2,100,220,1)  
|2,100,14,20.16735^14.48.32.28^SEP0018195AA209 |[R:N-H:0,N:3,L:1,V:0,Z:0,D:0] CI=47601639  
SsType=33554461 SsKey=1 BridgeType=0 MRGLPkid= NumStream=1 Bib=c32d6714-48bd-43d7-b96f-  
91363aff3aa0 BibTgCi=47601638 FeatId=159 PL=5 PLDmn=0 DeviceCapability=0 NumVideoCapable=0  
requestDeviceType=0 requestDeviceLocale=64 forkingDevicePosition=2 playToneDir=3

### CUCM sends INVITE #1 to called (recorded) phone with record-invoker=auto in Call-Info field and original Call-ID in Join field  
Notice the SDP has a=inactive to tear down the media

01314446.001 |11:18:48.682 |AppInfo |SIPTcp - wait\_SdlSPISignal: Outgoing SIP TCP message to 14.48.32.17 on port 50841 index 17

[106321,NET]  
INVITE sip:56ce4d7f-d3a2-40fd-a8b3-3f93c8832b9d@14.48.32.17:50841;transport=tcp SIP/2.0  
Via: SIP/2.0/TCP 14.48.32.90:5060;branch=z9hG4bK203d55363a7c  
From: "Call Manager" ;tag=38246~713e2333-4032-45f1-b1f5-e33cf471acec-47601641

To: <sip:9110011@14.48.32.90>  
Date: Tue, 14 Oct 2014 15:18:48 GMT  
Call-ID: 63fb4180-43d13ed8-203d-5a20300e@14.48.32.90  
Supported: timer,resource-priority,replaces  
Min-SE: 1800  
User-Agent: Cisco-CUCM10.5  
Allow: INVITE, OPTIONS, INFO, BYE, CANCEL, ACK, PRACK, UPDATE, SUBSCRIBE, NOTIFY  
CSeq: 101 INVITE  
Expires: 180  
Allow-Events: presence  
Call-Info: ; isVoip; record-invoker=auto  
Join: 6198e780-43d13ed4-203c-5a20300e@14.48.32.90;from-tag=b000b4d9e8cb0bba73e445ee-3cc7e650;to-tag=38244~713e2333-4032-45f1-b1f5-e33cf471acec-47601638  
Contact: <sip:14.48.32.90:5060;transport=tcp>  
Remote-Party-ID: "Call Manager" ;party=calling;screen=yes;privacy=off  
Max-Forwards: 70  
Content-Type: application/sdp  
Content-Length: 188

v=0  
o=CiscoSystemsCCM-SIP 38246 1 IN IP4 14.48.32.90  
s=SIP Call  
c=IN IP4 14.48.32.90  
t=0 0  
m=audio 4000 RTP/AVP 0  
a=label:X-relay-nearend  
a=rtpmap:0 PCMU/8000  
a=inactive  
a=mid:1

### Called (recorded) phone returns 200 OK  
Notice the SDP has a=inactive to tear down the media

01314449.002 |11:18:48.702 |AppInfo |SIPTcp - wait\_SdlReadRsp: Incoming SIP TCP message from 14.48.32.17 on port 50841 index 17 with 1235 bytes:

[106323,NET]

SIP/2.0 200 OK

Via: SIP/2.0/TCP 14.48.32.90:5060;branch=z9hG4bK203d55363a7c

From: "Call Manager" ;tag=38246~713e2333-4032-45f1-b1f5-e33cf471acec-47601641

To: <sip:9110011@14.48.32.90>;tag=b000b4d9e8cb0bbb4457e725-6869188a

Call-ID: 63fb4180-43d13ed8-203d-5a20300e@14.48.32.90

Date: Tue, 14 Oct 2014 15:18:55 GMT

CSeq: 101 INVITE

Server: Cisco-CP8841/10.2.1

Contact: <sip:56ce4d7f-d3a2-40fd-a8b3-3f93c8832b9d@14.48.32.17:50841;transport=tcp>

Allow: ACK,BYE,CANCEL,INVITE,NOTIFY,OPTIONS,REFER,REGISTER,UPDATE,SUBSCRIBE,INFO

Remote-Party-ID: "9110011" <sip:9110011@14.48.32.90>;party=called;id-

type=subscriber;privacy=off;screen=yes

Supported: replaces,join,sdp-anat,norefersub,resource-priority,extended-refer,X-cisco-

callinfo,X-cisco-serviceuri,X-cisco-escapecodes,X-cisco-service-control,X-cisco-srtp-fallback,X-

cisco-monrec,X-cisco-config,X-cisco-sis-7.0.0,X-cisco-xsi-8.5.1

Allow-Events: kpml,dialog

Content-Length: 202

Content-Type: application/sdp

Content-Disposition: session;handling=optional

v=0  
o=Cisco-SIPUA 4077 0 IN IP4 14.48.32.17  
s=SIP Call  
t=0 0  
m=audio 28512 RTP/AVP 0 101  
c=IN IP4 14.48.32.17  
a=rtpmap:0 PCMU/8000

a=rtpmap:101 telephone-event/8000  
a=fmtp:101 0-15  
a=inactive

### CUCM responds to called (recorded) phone with ACK

01314452.001 |11:18:48.702 |AppInfo |SIPtcp - wait\_SdlSPISignal: Outgoing SIP TCP message to 14.48.32.17 on port 50841 index 17  
[106324,NET]  
ACK sip:56ce4d7f-d3a2-40fd-a8b3-3f93c8832b9d@14.48.32.17:50841;transport=tcp SIP/2.0  
Via: SIP/2.0/TCP 14.48.32.90:5060;branch=z9hG4bK203e9999fc7  
From: "Call Manager" ;tag=38246~713e2333-4032-45f1-b1f5-e33cf471acec-47601641  
To: <sip:9110011@14.48.32.90>;tag=b000b4d9e8cb0bbb4457e725-6869188a  
Date: Tue, 14 Oct 2014 15:18:48 GMT  
Call-ID: 63fb4180-43d13ed8-203d-5a20300e@14.48.32.90  
User-Agent: Cisco-CUCM10.5  
Max-Forwards: 70  
CSeq: 101 ACK  
Allow-Events: presence  
Content-Length: 0

### BiB places first call to recording destination address (cn is calling party which is the BiB cn="b0028310001" and it is dialing the recordingdestination dd="8675309")

01314484.003 |11:18:48.753 |AppInfo |Digit Analysis: getDaRes data: daRes.ssType=[0] Intercept DAMR.sstype=[0], TPcount=[0], DAMR.NotifyCount=[0], DaRes.NotifyCount=[0]  
01314484.004 |11:18:48.753 |AppInfo |Digit Analysis: getDaRes - Remote Destination [8675309] isURI[0]  
01314484.005 |11:18:48.765 |AppInfo |CMUtility routeCallThroughCTIRD: no matching RemDestDynamic record exists for remdest [8675309]  
01314484.006 |11:18:48.765 |AppInfo |DbMobility: getMatchedRemDest starts: cnumber = 8675309  
01314484.007 |11:18:48.765 |AppInfo |DbMobility: getMatchedRemDest: full match case  
01314484.008 |11:18:48.765 |AppInfo |DbMobility SelectByDestination: no matching RemDestDynamic record exists for remdest [8675309]  
01314484.009 |11:18:48.765 |AppInfo |DbMobility: can't find remdest 8675309 in map  
01314484.010 |11:18:48.765 |AppInfo |Digit analysis: patternUsage=5  
01314484.011 |11:18:48.765 |AppInfo |Digit analysis: match(pi="1", fqcn="", cn="b0028310001", plv="5", pss="E911\_PT:Phones\_PT:EMERGENCY\_PT:INTERNAL\_PT:INFORMACAST\_PT", TodFilteredPss="E911\_PT:Phones\_PT:EMERGENCY\_PT:INTERNAL\_PT:INFORMACAST\_PT", dd="8675309", dac="1")  
01314484.012 |11:18:48.765 |AppInfo |Digit analysis: analysis results  
01314484.013 |11:18:48.765 |AppInfo ||PretransformCallingPartyNumber=b0028310001  
|CallingPartyNumber=b0028310001  
|DialingPartition=  
|DialingPattern=8675309  
|FullyQualifiedCalledPartyNumber=8675309  
|DialingPatternRegularExpression=(8675309)  
|DialingWhere=  
|PatternType=Enterprise  
|PotentialMatches=NoPotentialMatchesExist  
|DialingSdlProcessId=(0,0,0)  
|PretransformDigitString=8675309  
|PretransformTagsList=SUBSCRIBER  
|PretransformPositionalMatchList=8675309  
|CollectedDigits=8675309

### CUCM sends INVITE #1 to configured recording server (14.48.32.170)

01314552.001 |11:18:48.795 |AppInfo |//SIP/SIPUdp/wait\_SdlSPISignal: Outgoing SIP UDP message to 14.48.32.170:[5060]:  
[106325,NET]  
INVITE sip:8675309@14.48.32.170:5060 SIP/2.0

Via: SIP/2.0/UDP 14.48.32.90:5060;branch=z9hG4bK203f3135e715  
From: <sip:9110011@14.48.32.90;x-nearend;x-refci=47601638;x-nearendclusterid=glenscucm10-5;x-nearenddevice=sepb000b4d9e8cb;x-nearendaddr=9110011;x-farendrefci=47601637;x-farendclusterid=glenscucm10-5;x-farenddevice=sep0018195aa209;x-farendaddr=9110006>;tag=38248~713e2333-4032-45f1-b1f5-e33cf471acec-47601642  
To: <sip:8675309@14.48.32.170>  
Date: Tue, 14 Oct 2014 15:18:48 GMT  
Call-ID: 63fb4180-43d13ed8-203e-5a20300e@14.48.32.90  
Supported: timer,resource-priority,replaces  
Min-SE: 1800  
User-Agent: Cisco-CUCM10.5  
Allow: INVITE, OPTIONS, INFO, BYE, CANCEL, ACK, PRACK, UPDATE, REFER, SUBSCRIBE, NOTIFY  
CSeq: 101 INVITE  
Expires: 180  
Allow-Events: presence, kpml  
Supported: X-cisco-srtp-fallback  
Supported: Geolocation  
Call-Info: ;method="NOTIFY;Event=telephone-event;Duration=500"  
Call-Info: ;x-cisco-video-traffic-class=DESKTOP  
Cisco-Guide: 1677410688-0000065536-0000000001-1512058894  
Session-Expires: 1800  
P-Asserted-Identity: <sip:9110011@14.48.32.90>  
Remote-Party-ID: <sip:9110011@14.48.32.90>;party=calling;screen=yes;privacy=off  
Contact: <sip:9110011@14.48.32.90:5060>;isFocus  
Max-Forwards: 70  
Content-Length: 0

### CUCM sends INVITE #2 to called (recorded) phone with record-invoker=auto in Call-Info field and original Call-ID in Join field  
Notice the SDP has a=inactive to tear down the media

01314575.001 |11:18:48.796 |AppInfo |SIPTcp - wait\_SdlSPISignal: Outgoing SIP TCP message to 14.48.32.17 on port 50841 index 17  
[106326,NET]  
INVITE sip:56ce4d7f-d3a2-40fd-a8b3-3f93c8832b9d@14.48.32.17:50841;transport=tcp SIP/2.0  
Via: SIP/2.0/TCP 14.48.32.90:5060;branch=z9hG4bK20401b237b36  
From: "Call Manager" ;tag=38249~713e2333-4032-45f1-b1f5-e33cf471acec-47601644  
To: <sip:9110011@14.48.32.90>  
Date: Tue, 14 Oct 2014 15:18:48 GMT  
Call-ID: 63fb4180-43d13ed8-203f-5a20300e@14.48.32.90  
Supported: timer,resource-priority,replaces  
Min-SE: 1800  
User-Agent: Cisco-CUCM10.5  
Allow: INVITE, OPTIONS, INFO, BYE, CANCEL, ACK, PRACK, UPDATE, SUBSCRIBE, NOTIFY  
CSeq: 101 INVITE  
Expires: 180  
Allow-Events: presence  
Call-Info: ; isVoip; record-invoker=auto  
Join: 6198e780-43d13ed4-203c-5a20300e@14.48.32.90;from-tag=b000b4d9e8cb0bba73e445ee-3cc7e650;to-tag=38244~713e2333-4032-45f1-b1f5-e33cf471acec-47601638  
Contact: <sip:14.48.32.90:5060;transport=tcp>  
Remote-Party-ID: "Call Manager" ;party=calling;screen=yes;privacy=off  
Max-Forwards: 70  
Content-Type: application/sdp  
Content-Length: 187

v=0  
o=CiscoSystemsCCM-SIP 38249 1 IN IP4 14.48.32.90  
s=SIP Call  
c=IN IP4 14.48.32.90  
t=0 0  
m=audio 4000 RTP/AVP 0  
a=label:X-relay-farend

a=rtpmap:0 PCMU/8000  
a=inactive  
a=mid:1

### CUCM receives 200 OK in response to INVITE #1 to recording server

01314583.001 |11:18:48.862 |AppInfo |//SIP/SIPUdp/wait\_SdlDataInd: Incoming SIP UDP message size 737 from 14.48.32.170:[5060]:  
[106328,NET]  
SIP/2.0 200 OK  
Via: SIP/2.0/UDP 14.48.32.90:5060;branch=z9hG4bK203f3135e715  
From: <sip:9110011@14.48.32.90;x-nearend;x-refci=47601638;x-nearendclusterid=glenscucm10-5;x-nearenddevice=sepb000b4d9e8cb;x-nearendaddr=9110011;x-farendrefci=47601637;x-farendclusterid=glenscucm10-5;x-farenddevice=sep0018195aa209;x-farendaddr=9110006>;tag=38248~713e2333-4032-45f1-blf5-e33cf471acec-47601642  
To: <sip:8675309@14.48.32.170>;tag=1  
Call-ID: 63fb4180-43d13ed8-203e-5a20300e@14.48.32.90  
CSeq: 101 INVITE  
Contact: <sip:14.48.32.170:5060;transport=udp>  
Content-Type: application/sdp  
Content-Length: 135

v=0  
o=user1 53655765 2353687637 IN IP4 14.48.32.170  
s=-  
c=IN IP4 14.48.32.170  
t=0 0  
m=audio 6000 RTP/AVP 0  
a=rtpmap:0 PCMU/8000

### CUCM sends re-INVITE to called (recorded) phone for call #1 to invoke the BiB (notice there is no SDP)

01314644.001 |11:18:48.864 |AppInfo |SIPTcp - wait\_SdlSPISignal: Outgoing SIP TCP message to 14.48.32.17 on port 50841 index 17  
[106329,NET]  
INVITE sip:56ce4d7f-d3a2-40fd-a8b3-3f93c8832b9d@14.48.32.17:50841;transport=tcp SIP/2.0  
Via: SIP/2.0/TCP 14.48.32.90:5060;branch=z9hG4bK204176d717cd  
From: "Call Manager" ;tag=38246~713e2333-4032-45f1-blf5-e33cf471acec-47601641  
To: <sip:9110011@14.48.32.90>;tag=b000b4d9e8cb0bbb4457e725-6869188a  
Date: Tue, 14 Oct 2014 15:18:48 GMT  
Call-ID: 63fb4180-43d13ed8-203d-5a20300e@14.48.32.90  
Supported: timer,resource-priority,replaces  
User-Agent: Cisco-CUCM10.5  
Allow: INVITE, OPTIONS, INFO, BYE, CANCEL, ACK, PRACK, UPDATE, SUBSCRIBE, NOTIFY  
CSeq: 102 INVITE  
Max-Forwards: 70  
Expires: 180  
Allow-Events: presence  
Call-Info: ; isVoip; record-invoker=auto  
Min-SE: 1800  
Remote-Party-ID: "Call Manager" ;party=calling;screen=yes;privacy=off  
Contact: <sip:14.48.32.90:5060;transport=tcp>  
Content-Length: 0

### Called (recorded) phone returns 200 OK in response to INVITE #2 to invoke BiB  
Notice the SDP has a=inactive to tear down the media

01314645.002 |11:18:48.865 |AppInfo |SIPTcp - wait\_SdlReadRsp: Incoming SIP TCP message from 14.48.32.17 on port 50841 index 17 with 1236 bytes:  
[106330,NET]  
SIP/2.0 200 OK  
Via: SIP/2.0/TCP 14.48.32.90:5060;branch=z9hG4bK20401b237b36

From: "Call Manager" ;tag=38249~713e2333-4032-45f1-b1f5-e33cf471acec-47601644  
To: <sip:9110011@14.48.32.90>;tag=b000b4d9e8cb0bbc4d5b7fc6-3ab2172f  
Call-ID: 63fb4180-43d13ed8-203f-5a20300e@14.48.32.90  
Date: Tue, 14 Oct 2014 15:18:55 GMT  
CSeq: 101 INVITE  
Server: Cisco-CP8841/10.2.1  
Contact: <sip:56ce4d7f-d3a2-40fd-a8b3-3f93c8832b9d@14.48.32.17:50841;transport=tcp>  
Allow: ACK,BYE,CANCEL,INVITE,NOTIFY,OPTIONS,REFER,REGISTER,UPDATE,SUBSCRIBE,INFO  
Remote-Party-ID: "9110011" <sip:9110011@14.48.32.90>;party=called;id-  
type=subscriber;privacy=off;screen=yes  
Supported: replaces,join,sdp-anat,norefersub,resource-priority,extended-refer,X-cisco-  
callinfo,X-cisco-serviceuri,X-cisco-escapecodes,X-cisco-service-control,X-cisco-srtp-fallback,X-  
cisco-monrec,X-cisco-config,X-cisco-sis-7.0.0,X-cisco-xsi-8.5.1  
Allow-Events: kpml,dialog  
Content-Length: 203  
Content-Type: application/sdp  
Content-Disposition: session;handling=optional

v=0  
o=Cisco-SIPUA 11326 0 IN IP4 14.48.32.17  
s=SIP Call  
t=0 0  
m=audio 19696 RTP/AVP 0 101  
c=IN IP4 14.48.32.17  
a=rtpmap:0 PCMU/8000  
a=rtpmap:101 telephone-event/8000  
a=fmtp:101 0-15  
a=inactive

### CUCM responds with ACK for 200 OK for INVITE #2 to invoke the BiB

01314648.001 |11:18:48.866 |AppInfo |SIPTcp - wait\_SdlSPISignal: Outgoing SIP TCP message to  
14.48.32.17 on port 50841 index 17  
[106331,NET]  
ACK sip:56ce4d7f-d3a2-40fd-a8b3-3f93c8832b9d@14.48.32.17:50841;transport=tcp SIP/2.0  
Via: SIP/2.0/TCP 14.48.32.90:5060;branch=z9hG4bK20424175effe  
From: "Call Manager" ;tag=38249~713e2333-4032-45f1-b1f5-e33cf471acec-47601644  
To: <sip:9110011@14.48.32.90>;tag=b000b4d9e8cb0bbc4d5b7fc6-3ab2172f  
Date: Tue, 14 Oct 2014 15:18:48 GMT  
Call-ID: 63fb4180-43d13ed8-203f-5a20300e@14.48.32.90  
User-Agent: Cisco-CUCM10.5  
Max-Forwards: 70  
CSeq: 101 ACK  
Allow-Events: presence  
Content-Length: 0

### BiB places second call to recording destination address (cn is calling party which is the  
BiB cn="b0028310001" and it is dialing the recordingdestination dd="8675309")  
Note that the BiB number stayed the same (b0028310001) and so did the recordingdestination  
number

01314680.003 |11:18:48.867 |AppInfo |Digit Analysis: getDaRes data: daRes.ssType=[0] Intercept  
DAMR.sstype=[0], TPcount=[0], DAMR.NotifyCount=[0], DaRes.NotifyCount=[0]  
01314680.004 |11:18:48.867 |AppInfo |Digit Analysis: getDaRes - Remote Destination [8675309]  
isURI[0]  
01314680.005 |11:18:48.867 |AppInfo |CMUtility routeCallThroughCTIRD: no matching  
RemDestDynamic record exists for remdest [8675309]  
01314680.006 |11:18:48.867 |AppInfo |DbMobility: getMatchedRemDest starts: cnumber = 8675309  
01314680.007 |11:18:48.867 |AppInfo |DbMobility: getMatchedRemDest: full match case  
01314680.008 |11:18:48.867 |AppInfo |DbMobility SelectByDestination: no matching RemDestDynamic  
record exists for remdest [8675309]  
01314680.009 |11:18:48.867 |AppInfo |DbMobility: can't find remdest 8675309 in map  
01314680.010 |11:18:48.867 |AppInfo |Digit analysis: patternUsage=5



01314680.011 |11:18:48.867 |AppInfo |Digit analysis: match(pi="1", fqcn="",  
cn="b0028310001", plv="5", pss="E911\_PT:Phones\_PT:EMERGENCY\_PT:INTERNAL\_PT:INFORMACAST\_PT",  
TodFilteredPss="E911\_PT:Phones\_PT:EMERGENCY\_PT:INTERNAL\_PT:INFORMACAST\_PT",  
dd="8675309", dac="1")

01314680.012 |11:18:48.867 |AppInfo |Digit analysis: analysis results

01314680.013 |11:18:48.867 |AppInfo ||PretransformCallingPartyNumber=b0028310001

|CallingPartyNumber=b0028310001  
|DialingPartition=  
|DialingPattern=8675309  
|FullyQualifiedCalledPartyNumber=8675309  
|DialingPatternRegularExpression=(8675309)  
|DialingWhere=  
|PatternType=Enterprise  
|PotentialMatches=NoPotentialMatchesExist  
|DialingSdlProcessId=(0,0,0)  
|PretransformDigitString=8675309  
|PretransformTagsList=SUBSCRIBER  
|PretransformPositionalMatchList=8675309  
|CollectedDigits=8675309

### CUCM sends INVITE #2 to configured recording server

01314731.001 |11:18:48.870 |AppInfo |//SIP/SIPUdp/wait\_SdlSPISignal: Outgoing SIP UDP message  
to 14.48.32.170:[5060]:

[106333,NET]

INVITE sip:8675309@14.48.32.170:5060 SIP/2.0

Via: SIP/2.0/UDP 14.48.32.90:5060;branch=z9hG4bK20432a53d34c

From: <sip:9110011@14.48.32.90;x-farend;x-refci=47601638;x-nearendclusterid=glenscucm10-5;x-  
nearenddevice=sepb000b4d9e8cb;x-nearendaddr=9110011;x-farendrefci=47601637;x-  
farendclusterid=glenscucm10-5;x-farenddevice=sep0018195aa209;x-  
farendaddr=9110006>;tag=38251~713e2333-4032-45f1-blf5-e33cf471acec-47601645

To: <sip:8675309@14.48.32.170>

Date: Tue, 14 Oct 2014 15:18:48 GMT

Call-ID: 63fb4180-43d13ed8-2040-5a20300e@14.48.32.90

Supported: timer,resource-priority,replaces

Min-SE: 1800

User-Agent: Cisco-CUCM10.5

Allow: INVITE, OPTIONS, INFO, BYE, CANCEL, ACK, PRACK, UPDATE, REFER, SUBSCRIBE, NOTIFY

CSeq: 101 INVITE

Expires: 180

Allow-Events: presence, kpml

Supported: X-cisco-srtp-fallback

Supported: Geolocation

Call-Info: ;method="NOTIFY;Event=telephone-event;Duration=500"

Call-Info: ;x-cisco-video-traffic-class=DESKTOP

Cisco-Guid: 1677410688-0000065536-0000000002-1512058894

Session-Expires: 1800

P-Asserted-Identity: <sip:9110011@14.48.32.90>

Remote-Party-ID: <sip:9110011@14.48.32.90>;party=calling;screen=yes;privacy=off

Contact: <sip:9110011@14.48.32.90:5060>;isFocus

Max-Forwards: 70

Content-Length: 0

### CUCM receives 200 OK in response to INVITE #2 from configured recording server

01314751.001 |11:18:48.871 |AppInfo |//SIP/SIPUdp/wait\_SdlDataInd: Incoming SIP UDP message  
size 736 from 14.48.32.170:[5060]:

[106335,NET]

SIP/2.0 200 OK

Via: SIP/2.0/UDP 14.48.32.90:5060;branch=z9hG4bK20432a53d34c

From: <sip:9110011@14.48.32.90;x-farend;x-refci=47601638;x-nearendclusterid=glenscucm10-5;x-  
nearenddevice=sepb000b4d9e8cb;x-nearendaddr=9110011;x-farendrefci=47601637;x-  
farendclusterid=glenscucm10-5;x-farenddevice=sep0018195aa209;x-

faresaddr=9110006>;tag=38251~713e2333-4032-45f1-b1f5-e33cf471acec-47601645  
To: <sip:8675309@14.48.32.170>;tag=2  
Call-ID: 63fb4180-43d13ed8-2040-5a20300e@14.48.32.90  
CSeq: 101 INVITE  
Contact: <sip:14.48.32.170:5060;transport=udp>  
Content-Type: application/sdp  
Content-Length: 135

v=0  
o=user1 53655765 2353687637 IN IP4 14.48.32.170  
s=-  
c=IN IP4 14.48.32.170  
t=0 0  
m=audio 6000 RTP/AVP 0  
a=rtpmap:0 PCMU/8000

### CUCM sends re-INVITE #2 to called (recorded) phone for second BiB invocation call  
Notice there is no SDP

01314828.001 |11:18:48.875 |AppInfo |SIPTcp - wait\_SdlSPISignal: Outgoing SIP TCP message to  
14.48.32.17 on port 50841 index 17  
[106336,NET]

INVITE sip:56ce4d7f-d3a2-40fd-a8b3-3f93c8832b9d@14.48.32.17:50841;transport=tcp SIP/2.0  
Via: SIP/2.0/TCP 14.48.32.90:5060;branch=z9hG4bK20443475e621  
From: "Call Manager" ;tag=38249~713e2333-4032-45f1-b1f5-e33cf471acec-47601644  
To: <sip:9110011@14.48.32.90>;tag=b000b4d9e8cb0bbc4d5b7fc6-3ab2172f  
Date: Tue, 14 Oct 2014 15:18:48 GMT  
Call-ID: 63fb4180-43d13ed8-203f-5a20300e@14.48.32.90  
Supported: timer,resource-priority,replaces  
User-Agent: Cisco-CUCM10.5  
Allow: INVITE, OPTIONS, INFO, BYE, CANCEL, ACK, PRACK, UPDATE, SUBSCRIBE, NOTIFY  
CSeq: 102 INVITE  
Max-Forwards: 70  
Expires: 180  
Allow-Events: presence  
Call-Info: ; isVoip; record-invoker=auto  
Min-SE: 1800  
Remote-Party-ID: "Call Manager" ;party=calling;screen=yes;privacy=off  
Contact: <sip:14.48.32.90:5060;transport=tcp>  
Content-Length: 0

### Called (recorded) phone returns 200 OK to re-INVITE #1

01314829.002 |11:18:48.876 |AppInfo |SIPTcp - wait\_SdlReadRsp: Incoming SIP TCP message from  
14.48.32.17 on port 50841 index 17 with 1235 bytes:

[106337,NET]  
SIP/2.0 200 OK  
Via: SIP/2.0/TCP 14.48.32.90:5060;branch=z9hG4bK204176d717cd  
From: "Call Manager" ;tag=38246~713e2333-4032-45f1-b1f5-e33cf471acec-47601641  
To: <sip:9110011@14.48.32.90>;tag=b000b4d9e8cb0bbb4457e725-6869188a  
Call-ID: 63fb4180-43d13ed8-203d-5a20300e@14.48.32.90  
Date: Tue, 14 Oct 2014 15:18:55 GMT  
CSeq: 102 INVITE  
Server: Cisco-CP8841/10.2.1  
Contact: <sip:56ce4d7f-d3a2-40fd-a8b3-3f93c8832b9d@14.48.32.17:50841;transport=tcp>  
Allow: ACK,BYE,CANCEL,INVITE,NOTIFY,OPTIONS,REFER,REGISTER,UPDATE,SUBSCRIBE,INFO  
Remote-Party-ID: "9110011" <sip:9110011@14.48.32.90>;party=called;id-  
type=subscriber;privacy=off;screen=yes  
Supported: replaces,join,sdp-anat,norefersub,resource-priority,extended-refer,X-cisco-  
callinfo,X-cisco-serviceuri,X-cisco-escapecodes,X-cisco-service-control,X-cisco-srtp-fallback,X-  
cisco-monrec,X-cisco-config,X-cisco-sis-7.0.0,X-cisco-xsi-8.5.1  
Allow-Events: kpml,dialog  
Content-Length: 202

Content-Type: application/sdp  
Content-Disposition: session;handling=optional

v=0  
o=Cisco-SIPUA 4077 1 IN IP4 14.48.32.17  
s=SIP Call  
t=0 0  
m=audio 28512 RTP/AVP 0 101  
c=IN IP4 14.48.32.17  
a=rtpmap:0 PCMU/8000  
a=rtpmap:101 telephone-event/8000  
a=fmtp:101 0-15  
a=sendrecv

### CUCM sends ACK to called (recorded) phone for re-INVITE #1

01314873.001 |11:18:48.880 |AppInfo |SIPTcp - wait\_SdlSPISignal: Outgoing SIP TCP message to 14.48.32.17 on port 50841 index 17  
[106338,NET]  
ACK sip:56ce4d7f-d3a2-40fd-a8b3-3f93c8832b9d@14.48.32.17:50841;transport=tcp SIP/2.0  
Via: SIP/2.0/TCP 14.48.32.90:5060;branch=z9hG4bK204521531f4b  
From: "Call Manager" ;tag=38246~713e2333-4032-45f1-blf5-e33cf471acec-47601641  
To: <sip:9110011@14.48.32.90>;tag=b000b4d9e8cb0bbb4457e725-6869188a  
Date: Tue, 14 Oct 2014 15:18:48 GMT  
Call-ID: 63fb4180-43d13ed8-203d-5a20300e@14.48.32.90  
User-Agent: Cisco-CUCM10.5  
Max-Forwards: 70  
CSeq: 102 ACK  
Allow-Events: presence  
Content-Type: application/sdp  
Content-Length: 178

v=0  
o=CiscoSystemsCCM-SIP 38246 3 IN IP4 14.48.32.90  
s=SIP Call  
c=IN IP4 14.48.32.170  
b=TIAS:64000  
b=AS:64  
t=0 0  
m=audio 6000 RTP/AVP 0  
a=rtpmap:0 PCMU/8000  
a=recvonly

### CUCM sends ACK to configured recording server for INVITE #1

01314875.001 |11:18:48.880 |AppInfo |//SIP/SIPUdp/wait\_SdlSPISignal: Outgoing SIP UDP message to 14.48.32.170:[5060]:  
[106339,NET]  
ACK sip:14.48.32.170:5060;transport=UDP SIP/2.0  
Via: SIP/2.0/UDP 14.48.32.90:5060;branch=z9hG4bK20467ee6be7  
From: <sip:9110011@14.48.32.90;x-nearend;x-refci=47601638;x-nearendclusterid=glenscucm10-5;x-nearenddevice=sepb000b4d9e8cb;x-nearendaddr=9110011;x-farendrefci=47601637;x-farendclusterid=glenscucm10-5;x-farenddevice=sep0018195aa209;x-farendaddr=9110006>;tag=38248~713e2333-4032-45f1-blf5-e33cf471acec-47601642  
To: <sip:8675309@14.48.32.170>;tag=1  
Date: Tue, 14 Oct 2014 15:18:48 GMT  
Call-ID: 63fb4180-43d13ed8-203e-5a20300e@14.48.32.90  
User-Agent: Cisco-CUCM10.5  
Max-Forwards: 70  
CSeq: 101 ACK  
Allow-Events: presence, kpml  
Content-Type: application/sdp  
Content-Length: 234

v=0  
o=CiscoSystemsCCM-SIP 38248 1 IN IP4 14.48.32.90  
s=SIP Call  
c=IN IP4 14.48.32.17  
b=TIAS:64000  
b=AS:64  
t=0 0  
m=audio 28512 RTP/AVP 0 101  
a=rtpmap:0 PCMU/8000  
a=sendonly  
a=rtpmap:101 telephone-event/8000  
a=fmtp:101 0-15

### Called (recorded) phone returns 200 OK for re-INVITE #2

01314878.005 |11:18:48.881 |AppInfo |SIPTcp - wait\_SdlReadRsp: Incoming SIP TCP message from 14.48.32.17 on port 50841 index 17 with 1236 bytes:  
[106341,NET]  
SIP/2.0 200 OK  
Via: SIP/2.0/TCP 14.48.32.90:5060;branch=z9hG4bK20443475e621  
From: "Call Manager" ;tag=38249~713e2333-4032-45f1-b1f5-e33cf471acec-47601644  
To: <sip:9110011@14.48.32.90>;tag=b000b4d9e8cb0bbc4d5b7fc6-3ab2172f  
Call-ID: 63fb4180-43d13ed8-203f-5a20300e@14.48.32.90  
Date: Tue, 14 Oct 2014 15:18:55 GMT  
CSeq: 102 INVITE  
Server: Cisco-CP8841/10.2.1  
Contact: <sip:56ce4d7f-d3a2-40fd-a8b3-3f93c8832b9d@14.48.32.17:50841;transport=tcp>  
Allow: ACK,BYE,CANCEL,INVITE,NOTIFY,OPTIONS,REFER,REGISTER,UPDATE,SUBSCRIBE,INFO  
Remote-Party-ID: "9110011" <sip:9110011@14.48.32.90>;party=called;id-type=subscriber;privacy=off;screen=yes  
Supported: replaces,join,sdp-anat,norefersub,resource-priority,extended-refer,X-cisco-callinfo,X-cisco-serviceuri,X-cisco-escapecodes,X-cisco-service-control,X-cisco-srtp-fallback,X-cisco-monrec,X-cisco-config,X-cisco-sis-7.0.0,X-cisco-xsi-8.5.1  
Allow-Events: kpml,dialog  
Content-Length: 203  
Content-Type: application/sdp  
Content-Disposition: session;handling=optional

v=0  
o=Cisco-SIPUA 11326 1 IN IP4 14.48.32.17  
s=SIP Call  
t=0 0  
m=audio 19696 RTP/AVP 0 101  
c=IN IP4 14.48.32.17  
a=rtpmap:0 PCMU/8000  
a=rtpmap:101 telephone-event/8000  
a=fmtp:101 0-15  
a=sendrecv

### CUCM sends ACK to called (recorded) phone for re-INVITE #2

01314907.001 |11:18:48.883 |AppInfo |SIPTcp - wait\_SdlSPISignal: Outgoing SIP TCP message to 14.48.32.17 on port 50841 index 17  
[106342,NET]  
ACK sip:56ce4d7f-d3a2-40fd-a8b3-3f93c8832b9d@14.48.32.17:50841;transport=tcp SIP/2.0  
Via: SIP/2.0/TCP 14.48.32.90:5060;branch=z9hG4bK204755ae79c7  
From: "Call Manager" ;tag=38249~713e2333-4032-45f1-b1f5-e33cf471acec-47601644  
To: <sip:9110011@14.48.32.90>;tag=b000b4d9e8cb0bbc4d5b7fc6-3ab2172f  
Date: Tue, 14 Oct 2014 15:18:48 GMT  
Call-ID: 63fb4180-43d13ed8-203f-5a20300e@14.48.32.90  
User-Agent: Cisco-CUCM10.5  
Max-Forwards: 70

CSeq: 102 ACK  
Allow-Events: presence  
Content-Type: application/sdp  
Content-Length: 178

v=0  
o=CiscoSystemsCCM-SIP 38249 3 IN IP4 14.48.32.90  
s=SIP Call  
c=IN IP4 14.48.32.170  
b=TIAS:64000  
b=AS:64  
t=0 0  
m=audio 6000 RTP/AVP 0  
a=rtpmap:0 PCMU/8000  
a=recvonly

### CUCM sends ACK to configured recording server for INVITE #2

01314909.001 |11:18:48.883 |AppInfo |//SIP/SIPUdp/wait\_SdlSPISignal: Outgoing SIP UDP message to 14.48.32.170:[5060]:

[106343,NET]

ACK sip:14.48.32.170:5060;transport=UDP SIP/2.0

Via: SIP/2.0/UDP 14.48.32.90:5060;branch=z9hG4bK204854e1b53f

From: <sip:9110011@14.48.32.90;x-farend;x-refci=47601638;x-nearendclusterid=glenscucm10-5;x-nearenddevice=sepb000b4d9e8cb;x-nearendaddr=9110011;x-farendrefci=47601637;x-farendclusterid=glenscucm10-5;x-farenddevice=sep0018195aa209;x-farendaddr=9110006>;tag=38251~713e2333-4032-45f1-blf5-e33cf471acec-47601645

To: <sip:8675309@14.48.32.170>;tag=2

Date: Tue, 14 Oct 2014 15:18:48 GMT

Call-ID: 63fb4180-43d13ed8-2040-5a20300e@14.48.32.90

User-Agent: Cisco-CUCM10.5

Max-Forwards: 70

CSeq: 101 ACK

Allow-Events: presence, kpml

Content-Type: application/sdp

Content-Length: 234

v=0  
o=CiscoSystemsCCM-SIP 38251 1 IN IP4 14.48.32.90  
s=SIP Call  
c=IN IP4 14.48.32.17  
b=TIAS:64000  
b=AS:64  
t=0 0  
m=audio 19696 RTP/AVP 0 101  
a=rtpmap:0 PCMU/8000  
a=sendonly  
a=rtpmap:101 telephone-event/8000  
a=fmtp:101 0-15

## Troubleshooting

Esta sección proporciona a la información que usted puede utilizar para resolver problemas su configuración.

### Negociación de códec

Éste es un ejemplo de uno de la mayoría de los tipos comunes de errores de la grabación de la llamada - discrepancia de códec entre el teléfono registrado y el servidor de la grabación:

~~~~~  
Codec Negotiation Failure  
~~~~~

### Calling phone places call

00019629.001 |12:48:34.510 |AppInfo |StationInit: (0000005) EnblocCall calledParty=9110001.

### CUCM performs digit analysis against the dialed digits (dd="9110001")

00019638.001 |12:48:34.511 |AppInfo |Digit Analysis: star\_DaReq: daReq.partitionSearchSpace(),  
filteredPartitionSearchSpaceString(), partitionSearchSpaceString()  
00019638.002 |12:48:34.511 |AppInfo |Digit Analysis: star\_DaReq: Matching Legacy Numeric,  
digits=9110001  
00019638.003 |12:48:34.522 |AppInfo |Digit Analysis: getDaRes data: daRes.ssType=[0] Intercept  
DAMR.sstype=[0], TPcount=[0], DAMR.NotifyCount=[0], DaRes.NotifyCount=[0]  
00019638.004 |12:48:34.522 |AppInfo |Digit Analysis: getDaRes - Remote Destination [] isURI[1]  
00019638.005 |12:48:34.522 |AppInfo |Digit analysis: patternUsage=2  
00019638.006 |12:48:34.522 |AppInfo |Digit analysis: match(pi="2", fqcn="9110006",  
cn="9110006",plv="5", pss="", TodFilteredPss="", dd="9110001",dac="1")  
00019638.007 |12:48:34.522 |AppInfo |Digit analysis: analysis results  
00019638.008 |12:48:34.522 |AppInfo ||PretransformCallingPartyNumber=9110006  
|CallingPartyNumber=9110006  
|DialingPartition=  
|DialingPattern=9110001  
|FullyQualifiedCalledPartyNumber=9110001  
|DialingPatternRegularExpression=(9110001)  
|DialingWhere=  
|PatternType=Enterprise  
|PotentialMatches=NoPotentialMatchesExist  
|DialingSdlProcessId=(0,0,0)  
|PretransformDigitString=9110001  
|PretransformTagsList=SUBSCRIBER  
|PretransformPositionalMatchList=9110001  
|CollectedDigits=9110001

### CUCM determines call must stay on same node and go to LineControl  
(PID=LineControl(2,100,174,19))

00019640.001 |12:48:34.522 |AppInfo |Digit analysis: wait\_DmPidRes- Partition=[]  
Pattern=[9110001] Where=[],cmDeviceType=[UserDevice], OutsideDialtone =[0], DeviceOverride=[0],  
PID=LineControl(2,100,174,7),CI=[49613637],Sender=Cdcc(2,100,219,1)

### CUCM extends the call to the called phone

00019657.003 |12:48:34.560 |AppInfo |StationD: (0000007) DEBUG whatToDo: line=1 calls=0  
limit=4, busy=2. GCI=(2, 7001), cm\_PL=(5, 0).  
00019657.004 |12:48:34.560 |AppInfo |StationD: (0000007) DEBUG whatToDo: busy trigger not  
hit... send to open appearance  
00019657.005 |12:48:34.560 |AppInfo |preFilterCapCount =[11], preFilterCaps :: (Cap)= (25) (6)  
(4) (2) (7) (8) (15) (16) (11) (12) (257) Filtering Caps due to Service Parameter Configuration  
postFilterCapCount =[8], postFilterCaps :: (Cap)= (25) (4) (2) (15) (16) (11) (12) (257)  
00019657.006 |12:48:34.560 |AppInfo |preFilterCapCount =[0], preFilterCaps :: (Cap)= Filtering  
Caps due to Service Parameter Configuration postFilterCapCount =[0], postFilterCaps :: (Cap)=  
00019657.007 |12:48:34.560 |Created | |  
|StationCdpc(2,100,64,2) |StationD(2,100,63,7) |  
|NumOfCurrentInstances: 2  
00019657.008 |12:48:34.560 |AppInfo |StationD: (0000007) DEBUG- getLineRingSetting:

```
retVal=4.
00019657.009 |12:48:34.560 |AppInfo |StationD: (0000007) DEBUG- saveRinger for: ci=49613638,
line=1, mode=2, cm_precedence=5, callPhase=5.
00019657.010 |12:48:34.560 |AppInfo |StationD: (0000007) DEBUG- saveRinger: ci=49613638,
line=1, mode=2, cm_precedence=5, callPhase=5, modifier=0
00019657.011 |12:48:34.560 |AppInfo |StationD: (0000007) INFO sendCallAcceptReq: Try to
send StationLineCallAccept to cdpc=2 .
00019657.012 |12:48:34.560 |AppInfo |StationD: (0000007) playRinger for: ci=49613638.
00019657.013 |12:48:34.560 |AppInfo |StationD: (0000007) DEBUG- getLineRingSetting:
retVal=4.
00019657.014 |12:48:34.560 |AppInfo |StationD: (0000007) DEBUG- getLineRingSetting:
retVal=4.
00019657.015 |12:48:34.560 |AppInfo |StationD: (0000007) DEBUG- getLineRingSetting:
retVal=4.
```

### The Called (recorded) phone goes off hook

```
00019709.001 |12:48:36.042 |AppInfo |StationD: (0000007) restart0_StationOffHook - INFO:
CI=49613638 on line=1, SPKMode=0, alwaysPrimeLine=0, alwaysUsePrimeLineForVM=0, fid=9999,
offHookTrigger=1.
```

### CUCM Tells the calling phone to open the logical channel

```
00019773.001 |12:48:36.061 |AppInfo |StationD: (0000005) SEP0018195AA209 ,
star_MediaExchangeAgenaOpenLogicalChannel packetSize=20, codec=4, ci=49613637
```

### CUCM Tells the called (recorded) to open the logical channel

```
00019776.001 |12:48:36.061 |AppInfo |StationD: (0000007) SEP001795BDD16B ,
star_MediaExchangeAgenaOpenLogicalChannel packetSize=20, codec=4, ci=49613638
```

### CUCM Tells the calling phone to open the receive channel

```
00019784.002 |12:48:36.062 |AppInfo |StationD: (0000005) OpenReceiveChannel
conferenceID=49613637 passThruPartyID=33554433 millisecondPacketSize=20
compressionType=4(Media_Payload_G711Ulaw64k) RFC2833PayloadType=0 qualifierIn=?
sourceIpAddr=IpAddr.type:0 ipAddr:0x0e302021000000000000000000000000(14.48.32.33). myIP:
IpAddr.type:0 ipv4Addr:0x0e30201c(14.48.32.28)
```

### Codec locked due to recording on called (recorded) phone

```
00019785.003 |12:48:36.062 |AppInfo | StationCdpc: star_MediaExchangeAgenaQueryCapability -
Device SEP001795BDD16B, codec locked due to recording, codecType=4
```

### CUCM Tells the called (recorded) phone to open the receive channel

```
00019788.002 |12:48:36.062 |AppInfo |StationD: (0000007) OpenReceiveChannel
conferenceID=49613638 passThruPartyID=33554434 millisecondPacketSize=20
compressionType=4(Media_Payload_G711Ulaw64k) RFC2833PayloadType=0 qualifierIn=?
sourceIpAddr=IpAddr.type:0 ipAddr:0x0e30201c000000000000000000000000(14.48.32.28). myIP:
IpAddr.type:0 ipv4Addr:0x0e302021(14.48.32.33)
```

### CUCM allocates the BiB on the called (recorded) phone

```
00019830.000 |12:48:36.074 |SdlSig |MrmAllocateUcbResourceReq |waiting
|MediaResourceManager(2,100,138,1) |Cc(2,100,220,1)
|2,100,14,19.206^14.48.32.33^SEP001795BDD16B |[R:N-H:0,N:1,L:0,V:0,Z:0,D:0] CI=49613639
SsType=33554461 SsKey=1 BridgeType=0 MRGLPkid= NumStream=1 Bib=89cdb152-4ef2-4d60-9e6b-
ab8c77c22618 BibTgCi=49613638 FeatId=159 PL=5 PLDmn=0 DeviceCapability=0 NumVideoCapable=0
requestDeviceType=0 requestDeviceLocale=64 forkingDevicePosition=2 playToneDir=3
```

### BiB places it's first call to recording destination address (cn is calling number which is



the BiB cn="b00223906001" and it is dialing the recordingdestination dd="8675309")

00019889.001 |12:48:36.100 |AppInfo |Digit Analysis: star\_DaReq: daReq.partitionSearchSpace(), filteredPartitionSearchSpaceString(), partitionSearchSpaceString()  
00019889.002 |12:48:36.100 |AppInfo |Digit Analysis: star\_DaReq: Matching Legacy Numeric, digits=8675309  
00019889.003 |12:48:36.100 |AppInfo |Digit Analysis: getDaRes data: daRes.ssType=[0] Intercept DAMR.sstype=[0], TPcount=[0], DAMR.NotifyCount=[0], DaRes.NotifyCount=[0]  
00019889.004 |12:48:36.100 |AppInfo |Digit Analysis: getDaRes - Remote Destination [8675309] isURI[0]  
00019889.005 |12:48:36.100 |AppInfo |CMUtility routeCallThroughCTIRD: no matching RemDestDynamic record exists for remdest [8675309]  
00019889.006 |12:48:36.100 |AppInfo |DbMobility: getMatchedRemDest starts: cnumber = 8675309  
00019889.007 |12:48:36.100 |AppInfo |DbMobility: getMatchedRemDest: full match case  
00019889.008 |12:48:36.100 |AppInfo |DbMobility SelectByDestination: no matching RemDestDynamic record exists for remdest [8675309]  
00019889.009 |12:48:36.100 |AppInfo |DbMobility: can't find remdest 8675309 in map  
00019889.010 |12:48:36.100 |AppInfo |Digit analysis: patternUsage=5  
00019889.011 |12:48:36.100 |AppInfo |Digit analysis: match(pi="1", fqcn="", cn="b00223906001", plv="5", pss="E911\_PT:Phones\_PT:EMERGENCY\_PT:INTERNAL\_PT:INFORMACAST\_PT", TodFilteredPss="E911\_PT:Phones\_PT:EMERGENCY\_PT:INTERNAL\_PT:INFORMACAST\_PT", dd="8675309", dac="1")  
00019889.012 |12:48:36.100 |AppInfo |Digit analysis: analysis results  
00019889.013 |12:48:36.100 |AppInfo ||PretransformCallingPartyNumber=b00223906001  
|CallingPartyNumber=b00223906001  
|DialingPartition=  
|DialingPattern=8675309  
|FullyQualifiedCalledPartyNumber=8675309  
|DialingPatternRegularExpression=(8675309)  
|DialingWhere=  
|PatternType=Enterprise  
|PotentialMatches=NoPotentialMatchesExist  
|DialingSdlProcessId=(0,0,0)  
|PretransformDigitString=8675309  
|PretransformTagsList=SUBSCRIBER  
|PretransformPositionalMatchList=8675309  
|CollectedDigits=8675309

### Calling phone sends CUCM the ORC ACK

00019912.001 |12:48:36.139 |AppInfo |StationInit: (0000005) OpenReceiveChannelAck Status=0, IpAddr=IpAddr.type:0 ipAddr:0x0e30201c000000000000000000000000(14.48.32.28), Port=31678, PartyID=33554433

### CUCM sends startMediaTransmission to the called (recorded) phone telling the phone to send RTP to the calling phone (14.48.32.28)

00019920.001 |12:48:36.139 |AppInfo |StationD: (0000007) startMediaTransmission conferenceID=49613638 passThruPartyID=33554434 remoteIpAddress=IpAddr.type:0 ipAddr:0x0e30201c000000000000000000000000(14.48.32.28) remotePortNumber=31678 milliSecondPacketSize=20 compressType=4(Media\_Payload\_G711Ulraw64k) RFC2833PayloadType=0 qualifierOut=?. myIP: IpAddr.type:0 ipv4Addr:0x0e302021(14.48.32.33)

### Called (recorded) phone sends CUCM the ORC ACK

00019959.001 |12:48:36.145 |AppInfo |StationInit: (0000007) OpenReceiveChannelAck Status=0, IpAddr=IpAddr.type:0 ipAddr:0x0e302021000000000000000000000000(14.48.32.33), Port=28360, PartyID=33554434

### CUCM sends startMediaTransmission to the calling phone telling the phone to send RTP to the called phone (14.48.32.33)

00019977.001 |12:48:36.146 |AppInfo |StationD: (0000005) startMediaTransmission

conferenceID=49613637 passThruPartyID=33554433 remoteIpAddress=IpAddr.type:0  
ipAddr:0x0e302021000000000000000000000000(14.48.32.33) remotePortNumber=28360  
milliSecondPacketSize=20 compressType=4(Media\_Payload\_G711Ulaw64k) RFC2833PayloadType=0  
qualifierOut=?. myIP: IpAddr.type:0 ipv4Addr:0x0e30201c(14.48.32.28)

### BiB places second call to recording destination address (cn is calling number which is the  
BiB cn="b00223906001" and it is dialing the recordingdestination dd="8675309")  
Note that the BiB number stayed the same (b00223906001) and so did the recordingdestination  
number 00020002.001 |12:48:36.147 |AppInfo |Digit Analysis: star\_DaReq:  
daReq.partitionSearchSpace(), filteredPartitionSearchSpaceString(), partitionSearchSpaceString()  
00020002.002 |12:48:36.147 |AppInfo |Digit Analysis: star\_DaReq: Matching Legacy Numeric,  
digits=8675309 00020002.003 |12:48:36.147 |AppInfo |Digit Analysis: getDaRes data:  
daRes.ssType=[0] Intercept DAMR.sstype=[0], TPcount=[0], DAMR.NotifyCount=[0],  
DaRes.NotifyCount=[0] 00020002.004 |12:48:36.147 |AppInfo |Digit Analysis: getDaRes - Remote  
Destination [8675309] isURI[0] 00020002.005 |12:48:36.147 |AppInfo |CMUtility  
routeCallThroughCTIRD: no matching RemDestDynamic record exists for remdest [8675309]  
00020002.006 |12:48:36.147 |AppInfo |DbMobility: getMatchedRemDest starts: cnumber = 8675309  
00020002.007 |12:48:36.147 |AppInfo |DbMobility: getMatchedRemDest: full match case 00020002.008  
|12:48:36.147 |AppInfo |DbMobility SelectByDestination: no matching RemDestDynamic record exists  
for remdest [8675309] 00020002.009 |12:48:36.147 |AppInfo |DbMobility: can't find remdest  
8675309 in map 00020002.010 |12:48:36.147 |AppInfo |Digit analysis: patternUsage=5 00020002.011  
|12:48:36.147 |AppInfo |Digit analysis: match(pi="1", fqcn="", cn="b00223906001",plv="5",  
pss="E911\_PT:Phones\_PT:EMERGENCY\_PT:INTERNAL\_PT:INFORMACAST\_PT",  
TodFilteredPss="E911\_PT:Phones\_PT:EMERGENCY\_PT:INTERNAL\_PT:INFORMACAST\_PT",  
dd="8675309",dac="1") 00020002.012 |12:48:36.147 |AppInfo |Digit analysis: analysis results  
00020002.013 |12:48:36.147 |AppInfo ||PretransformCallingPartyNumber=b00223906001  
|CallingPartyNumber=b00223906001 |DialingPartition= |DialingPattern=8675309  
|FullyQualifiedCalledPartyNumber=8675309 |DialingPatternRegularExpression=(8675309)  
|DialingWhere= |PatternType=Enterprise |PotentialMatches=NoPotentialMatchesExist  
|DialingSdlProcessId=(0,0,0) |PretransformDigitString=8675309 |PretransformTagsList=SUBSCRIBER  
|PretransformPositionalMatchList=8675309 |CollectedDigits=8675309 |UnconsumedDigits=  
|TagsList=SUBSCRIBER |PositionalMatchList=8675309

### CUCM sends INVITE #1 to configured recording server (14.48.32.170)

00020086.001 |12:48:36.156 |AppInfo |//SIP/SIPUdp/wait\_SdlSPISignal: Outgoing SIP UDP message  
to 14.48.32.170:[5060]:  
[901,NET]  
INVITE sip:8675309@14.48.32.170:5060 SIP/2.0  
Via: SIP/2.0/UDP 14.48.32.90:5060;branch=z9hG4bK4f2a857d3d  
From: <sip:9110001@14.48.32.90;x-nearend;x-refci=49613638;x-nearendclusterid=glenscucm10-5;x-  
nearenddevice=sep001795bdd16b;x-nearendaddr=9110001;x-farendrefci=49613637;x-  
farendclusterid=glenscucm10-5;x-farenddevice=sep0018195aa209;x-  
farendaddr=9110006>;tag=351~713e2333-4032-45f1-blf5-e33cf471lacec-49613642  
To: <sip:8675309@14.48.32.170>  
Date: Tue, 14 Oct 2014 16:48:36 GMT  
Call-ID: ef7acf80-43d153e4-50-5a20300e@14.48.32.90  
Supported: timer,resource-priority,replaces  
Min-SE: 1800  
User-Agent: Cisco-CUCM10.5  
Allow: INVITE, OPTIONS, INFO, BYE, CANCEL, ACK, PRACK, UPDATE, REFER, SUBSCRIBE, NOTIFY  
CSeq: 101 INVITE  
Expires: 180  
Allow-Events: presence, kpml  
Supported: X-cisco-srtp-fallback  
Supported: Geolocation  
Call-Info: ;method="NOTIFY;Event=telephone-event;Duration=500"  
Cisco-Guid: 4017803136-0000065536-000000001-1512058894  
Session-Expires: 1800  
P-Asserted-Identity: <sip:9110001@14.48.32.90>  
Remote-Party-ID: <sip:9110001@14.48.32.90>;party-calling;screen=yes;privacy=off  
Contact: <sip:9110001@14.48.32.90:5060>;isFocus  
Max-Forwards: 70

Content-Length: 0

### CUCM sends INVITE #2 to configured recording server (14.48.32.170)

00020088.001 |12:48:36.157 |AppInfo |//SIP/SIPUdp/wait\_SdlSPISignal: Outgoing SIP UDP message to 14.48.32.170:[5060]:

[902,NET]

INVITE sip:8675309@14.48.32.170:5060 SIP/2.0

Via: SIP/2.0/UDP 14.48.32.90:5060;branch=z9hG4bK5014378d0b

From: <sip:9110001@14.48.32.90;x-farend;x-refci=49613638;x-nearendclusterid=glenscucm10-5;x-nearenddevice=sep001795bdd16b;x-nearendaddr=9110001;x-farendrefci=49613637;x-farendclusterid=glenscucm10-5;x-farenddevice=sep0018195aa209;x-farendaddr=9110006>;tag=352~713e2333-4032-45f1-b1f5-e33cf471lacec-49613645

To: <sip:8675309@14.48.32.170>

Date: Tue, 14 Oct 2014 16:48:36 GMT

Call-ID: ef7acf80-43d153e4-51-5a20300e@14.48.32.90

Supported: timer,resource-priority,replaces

Min-SE: 1800

User-Agent: Cisco-CUCM10.5

Allow: INVITE, OPTIONS, INFO, BYE, CANCEL, ACK, PRACK, UPDATE, REFER, SUBSCRIBE, NOTIFY

CSeq: 101 INVITE

Expires: 180

Allow-Events: presence, kpml

Supported: X-cisco-srtp-fallback

Supported: Geolocation

Call-Info: ;method="NOTIFY;Event=telephone-event;Duration=500"

Cisco-Guid: 4017803136-0000065536-0000000002-1512058894

Session-Expires: 1800

P-Asserted-Identity: <sip:9110001@14.48.32.90>

Remote-Party-ID: <sip:9110001@14.48.32.90>;party=calling;screen=yes;privacy=off

Contact: <sip:9110001@14.48.32.90:5060>;isFocus

Max-Forwards: 70

Content-Length: 0

### CUCM receives a 200 OK from recording server for INVITE #1

00020089.001 |12:48:36.161 |AppInfo |//SIP/SIPUdp/wait\_SdlDataInd: Incoming SIP UDP message size 731 from 14.48.32.170:[5060]:

[903,NET]

SIP/2.0 200 OK

Via: SIP/2.0/UDP 14.48.32.90:5060;branch=z9hG4bK4f2a857d3d

From: <sip:9110001@14.48.32.90;x-nearend;x-refci=49613638;x-nearendclusterid=glenscucm10-5;x-nearenddevice=sep001795bdd16b;x-nearendaddr=9110001;x-farendrefci=49613637;x-farendclusterid=glenscucm10-5;x-farenddevice=sep0018195aa209;x-farendaddr=9110006>;tag=351~713e2333-4032-45f1-b1f5-e33cf471lacec-49613642

To: <sip:8675309@14.48.32.170>;tag=1

Call-ID: ef7acf80-43d153e4-50-5a20300e@14.48.32.90

CSeq: 101 INVITE

Contact: <sip:14.48.32.170:5060;transport=udp>

Content-Type: application/sdp

Content-Length: 135

v=0

o=user1 53655765 2353687637 IN IP4 14.48.32.170

s=-

c=IN IP4 14.48.32.170

t=0 0

m=audio 6000 RTP/AVP 0

a=rtpmap:0 PCMU/8000

### CUCM receives a 200 OK from recording server for INVITE #2

00020092.001 |12:48:36.161 |AppInfo |//SIP/SIPUdp/wait\_SdlDataInd: Incoming SIP UDP message

size 730 from 14.48.32.170:[5060]:  
[905,NET]  
SIP/2.0 200 OK  
Via: SIP/2.0/UDP 14.48.32.90:5060;branch=z9hG4bK5014378d0b  
From: <sip:9110001@14.48.32.90;x-farend;x-refci=49613638;x-nearendclusterid=glenscucm10-5;x-nearenddevice=sep001795bdd16b;x-nearendaddr=9110001;x-farendrefci=49613637;x-farendclusterid=glenscucm10-5;x-farenddevice=sep0018195aa209;x-farendaddr=9110006>;tag=352-713e2333-4032-45f1-b1f5-e33cf47lacec-49613645  
To: <sip:8675309@14.48.32.170>;tag=2  
Call-ID: ef7acf80-43d153e4-51-5a20300e@14.48.32.90  
CSeq: 101 INVITE  
Contact: <sip:14.48.32.170:5060;transport=udp>  
Content-Type: application/sdp  
Content-Length: 135

v=0  
o=user1 53655765 2353687637 IN IP4 14.48.32.170  
s=-  
c=IN IP4 14.48.32.170  
t=0 0  
m=audio 6000 RTP/AVP 0  
a=rtpmap:0 PCMU/8000

### Region information for connecting audio for recording call, both appear to support G.711.  
Note that the bandwidth capabilities printed is kbps=8 meaning the region relationship between the two regions is limited to codecs using 8kbps or less. 00020160.005 |12:48:36.190 |AppInfo |DET-RegionsServer::matchCapabilities-- savedOption=3, PREF\_NONE, regionA=(null) regionB=(null) latentCaps(A=0, B=0) kbps=8, capACount=1, capBCount=1 00020160.006 |12:48:36.190 |AppInfo |DET-MediaManager-(2)::checkAudioPassThru, param(bPostMTPAllocation=0,chkTrp=1), capCount(1,1), mtpPT=1, aPT=2 00020160.007 |12:48:36.190 |AppInfo |DET-MediaManager-(2)::preCheckCapabilities, **region1=Default, region2=RecordingTrunk, Pty1** capCount=1 (Cap,ptime)=(**4,20**), **Pty2** capCount=1 (Cap,ptime)=(**4,20**) 00020160.008 |12:48:36.190 |AppInfo |DET-RegionsServer::matchCapabilities-- savedOption=0, PREF\_NONE, regionA=(null) regionB=(null) latentCaps(A=0, B=0) **kbps=8**, capACount=1, capBCount=1

### CUCCM determines 2 transcoders are required and attempts to allocate

00020160.011 |12:48:36.190 |AppInfo |DET-MediaManager-(2)::preCheckCapabilities, **caps mismatch! Xcoder Req'd. kbps(8)**, filtered A[capCount=0 (Cap,ptime)=], B[capCount=0 (Cap,ptime)=] allowMTP=0 **numXcoderRequired=2** xcodingSide=0

### CUCCM determines 2 transcoders are required and attempts to allocate

00020160.011 |12:48:36.190 |AppInfo |DET-MediaManager-(2)::preCheckCapabilities, **caps mismatch! Xcoder Req'd. kbps(8)**, filtered A[capCount=0 (Cap,ptime)=], B[capCount=0 (Cap,ptime)=] allowMTP=0 **numXcoderRequired=2** xcodingSide=0

### CUCCM sendt the ACK and BYE to the recording server in response to INVITE #1  
Note the Q.850 cause code

00020210.001 |12:48:36.216 |AppInfo |//SIP/SIPUdp/wait\_SdlSPISignal: Outgoing SIP UDP message to 14.48.32.170:[5060]:  
[906,NET]  
ACK sip:14.48.32.170:5060;transport=UDP SIP/2.0  
Via: SIP/2.0/UDP 14.48.32.90:5060;branch=z9hG4bK51257b2b47  
From: <sip:9110001@14.48.32.90;x-nearend;x-refci=49613638;x-nearendclusterid=glenscucm10-5;x-nearenddevice=sep001795bdd16b;x-nearendaddr=9110001;x-farendrefci=49613637;x-farendclusterid=glenscucm10-5;x-farenddevice=sep0018195aa209;x-farendaddr=9110006>;tag=351-713e2333-4032-45f1-b1f5-e33cf47lacec-49613642  
To: <sip:8675309@14.48.32.170>;tag=1  
Date: Tue, 14 Oct 2014 16:48:36 GMT  
Call-ID: ef7acf80-43d153e4-50-5a20300e@14.48.32.90  
User-Agent: Cisco-CUCCM10.5

Max-Forwards: 70  
CSeq: 101 ACK  
Allow-Events: presence, kpml  
Content-Length: 0

00020211.001 |12:48:36.216 |AppInfo |//SIP/SIPUdp/wait\_SdlSPISignal: Outgoing SIP UDP message to 14.48.32.170:[5060]:

[907,NET]

BYE sip:14.48.32.170:5060;transport=UDP SIP/2.0

Via: SIP/2.0/UDP 14.48.32.90:5060;branch=z9hG4bK526f3d2afa

From: <sip:9110001@14.48.32.90;x-nearend;x-refci=49613638;x-nearendclusterid=GlensCUCM10-5;x-nearenddevice=SEP001795BDD16B;x-nearendaddr=9110001;x-farendrefci=49613637;x-farendclusterid=GlensCUCM10-5;x-farenddevice=SEP0018195AA209;x-farendaddr=9110006>;tag=351~713e2333-4032-45f1-b1f5-e33cf47lacec-49613642

To: <sip:8675309@14.48.32.170>;tag=1

Date: Tue, 14 Oct 2014 16:48:36 GMT

Call-ID: ef7acf80-43d153e4-50-5a20300e@14.48.32.90

User-Agent: Cisco-CUCM10.5

Max-Forwards: 70

P-Asserted-Identity: <sip:9110001@14.48.32.90>

CSeq: 102 BYE

**Reason: Q.850;cause=47**

Content-Length: 0

### CUCM sendt the ACK and BYE to the recording server in response to INVITE #2  
Note the Q.850 cuase code in the BYE

00020248.001 |12:48:36.218 |AppInfo |//SIP/SIPUdp/wait\_SdlSPISignal: Outgoing SIP UDP message to 14.48.32.170:[5060]:

[908,NET]

ACK sip:14.48.32.170:5060;transport=UDP SIP/2.0

Via: SIP/2.0/UDP 14.48.32.90:5060;branch=z9hG4bK531df920a6

From: <sip:9110001@14.48.32.90;x-farend;x-refci=49613638;x-nearendclusterid=glenscucm10-5;x-nearenddevice=sep001795bdd16b;x-nearendaddr=9110001;x-farendrefci=49613637;x-farendclusterid=glenscucm10-5;x-farenddevice=sep0018195aa209;x-farendaddr=9110006>;tag=352~713e2333-4032-45f1-b1f5-e33cf47lacec-49613645

To: <sip:8675309@14.48.32.170>;tag=2

Date: Tue, 14 Oct 2014 16:48:36 GMT

Call-ID: ef7acf80-43d153e4-51-5a20300e@14.48.32.90

User-Agent: Cisco-CUCM10.5

Max-Forwards: 70

CSeq: 101 ACK

Allow-Events: presence, kpml

Content-Length: 0

00020249.001 |12:48:36.218 |AppInfo |//SIP/SIPUdp/wait\_SdlSPISignal: Outgoing SIP UDP message to 14.48.32.170:[5060]: [909,NET] BYE sip:14.48.32.170:5060;transport=UDP SIP/2.0 Via: SIP/2.0/UDP 14.48.32.90:5060;branch=z9hG4bK5462aba807 From: <sip:9110001@14.48.32.90;x-farend;x-refci=49613638;x-nearendclusterid=glenscucm10-5;x-nearenddevice=sep001795bdd16b;x-nearendaddr=9110001;x-farendrefci=49613637;x-farendclusterid=glenscucm10-5;x-farenddevice=sep0018195aa209;x-farendaddr=9110006>;tag=352~713e2333-4032-45f1-b1f5-e33cf47lacec-49613645 To: <sip:8675309@14.48.32.170>;tag=2 Date: Tue, 14 Oct 2014 16:48:36 GMT Call-ID: ef7acf80-43d153e4-51-5a20300e@14.48.32.90 User-Agent: Cisco-CUCM10.5 Max-Forwards: 70 P-Asserted-Identity: <sip:9110001@14.48.32.90> CSeq: 102 BYE **Reason: Q.850;cause=47**

Content-Length: 0

## Misconfiguración que incluye los problemas CSS y pinta

Los comandos aquí permiten que revisen a la mayoría de las configuraciones de la grabación rápidamente con solamente conocer la dirección MAC de un teléfono que no esté registrando las llamadas. Substituya simplemente a la parte del comando **MAC\_of\_Phone** por la dirección MAC real del teléfono según lo en los ejemplos vistos aquí.

Esto le da el DN (todos si hay más de uno) para el MAC que usted está buscando encendido, el MAC del teléfono apenas para la confirmación, la configuración del BABERO, la configuración de la aislamiento, el tipo de grabación (refiérase a los valores enumerados a los ejemplos del laboratorio), el perfil de la grabación funcionando por el teléfono, el nombre de los espacios de búsqueda de la llamada de la grabación (CSS), el destino de la grabación para ese perfil de la grabación, y la división que registrando el destino está asociado a basado en el MAC le está buscando encendido:

```
### CUCM sendt the ACK and BYE to the recording server in response to INVITE #2
Note the Q.850 cuase code in the BYE
```

```
00020248.001 |12:48:36.218 |AppInfo |//SIP/SIPUdp/wait_SdlSPISignal: Outgoing SIP UDP message
to 14.48.32.170:[5060]:
[908,NET]
ACK sip:14.48.32.170:5060;transport=UDP SIP/2.0
Via: SIP/2.0/UDP 14.48.32.90:5060;branch=z9hG4bK531df920a6
From: <sip:9110001@14.48.32.90;x-farend;x-refci=49613638;x-nearendclusterid=glenscucm10-5;x-
nearenddevice=sep001795bdd16b;x-nearendaddr=9110001;x-farendrefci=49613637;x-
farendclusterid=glenscucm10-5;x-farenddevice=sep0018195aa209;x-
farendaddr=9110006>;tag=352~713e2333-4032-45f1-b1f5-e33cf471acec-49613645
To: <sip:8675309@14.48.32.170>;tag=2
Date: Tue, 14 Oct 2014 16:48:36 GMT
Call-ID: ef7acf80-43d153e4-51-5a20300e@14.48.32.90
User-Agent: Cisco-CUCM10.5
Max-Forwards: 70
CSeq: 101 ACK
Allow-Events: presence, kpml
Content-Length: 0
```

```
00020249.001 |12:48:36.218 |AppInfo |//SIP/SIPUdp/wait_SdlSPISignal: Outgoing SIP UDP message to
14.48.32.170:[5060]: [909,NET] BYE sip:14.48.32.170:5060;transport=UDP SIP/2.0 Via: SIP/2.0/UDP
14.48.32.90:5060;branch=z9hG4bK5462aba807 From: <sip:9110001@14.48.32.90;x-farend;x-
refci=49613638;x-nearendclusterid=glenscucm10-5;x-nearenddevice=sep001795bdd16b;x-
nearendaddr=9110001;x-farendrefci=49613637;x-farendclusterid=glenscucm10-5;x-
farenddevice=sep0018195aa209;x-farendaddr=9110006>;tag=352~713e2333-4032-45f1-b1f5-e33cf471acec-
49613645 To: <sip:8675309@14.48.32.170>;tag=2 Date: Tue, 14 Oct 2014 16:48:36 GMT Call-ID:
ef7acf80-43d153e4-51-5a20300e@14.48.32.90 User-Agent: Cisco-CUCM10.5 Max-Forwards: 70 P-
Asserted-Identity: <sip:9110001@14.48.32.90> CSeq: 102 BYE Reason: Q.850;cause=47
Content-Length: 0
```

Esto le da la lista de divisiones que se asocian al CSS de registraci3n en el perfil de la grabaci3n que se asocia al MAC del tel3fono que usted est3 buscando contra.

```
### CUCM sendt the ACK and BYE to the recording server in response to INVITE #2
Note the Q.850 cuase code in the BYE
```

```
00020248.001 |12:48:36.218 |AppInfo |//SIP/SIPUdp/wait_SdlSPISignal: Outgoing SIP UDP message
to 14.48.32.170:[5060]:
[908,NET]
ACK sip:14.48.32.170:5060;transport=UDP SIP/2.0
Via: SIP/2.0/UDP 14.48.32.90:5060;branch=z9hG4bK531df920a6
From: <sip:9110001@14.48.32.90;x-farend;x-refci=49613638;x-nearendclusterid=glenscucm10-5;x-
nearenddevice=sep001795bdd16b;x-nearendaddr=9110001;x-farendrefci=49613637;x-
farendclusterid=glenscucm10-5;x-farenddevice=sep0018195aa209;x-
farendaddr=9110006>;tag=352~713e2333-4032-45f1-b1f5-e33cf471acec-49613645
To: <sip:8675309@14.48.32.170>;tag=2
Date: Tue, 14 Oct 2014 16:48:36 GMT
Call-ID: ef7acf80-43d153e4-51-5a20300e@14.48.32.90
User-Agent: Cisco-CUCM10.5
Max-Forwards: 70
```

CSeq: 101 ACK  
Allow-Events: presence, kpml  
Content-Length: 0

```
00020249.001 |12:48:36.218 |AppInfo |//SIP/SIPUdp/wait_SdlSPISignal: Outgoing SIP UDP message to
14.48.32.170:[5060]: [909,NET] BYE sip:14.48.32.170:5060;transport=UDP SIP/2.0 Via: SIP/2.0/UDP
14.48.32.90:5060;branch=z9hG4bK5462aba807 From: <sip:9110001@14.48.32.90;x-farend;x-
refci=49613638;x-nearendclusterid=glenscucm10-5;x-nearenddevice=sep001795bdd16b;x-
nearendaddr=9110001;x-farendrefci=49613637;x-farendclusterid=glenscucm10-5;x-
farenddevice=sep0018195aa209;x-farendaddr=9110006>;tag=352~713e2333-4032-45f1-b1f5-e33cf471acec-
49613645 To: <sip:8675309@14.48.32.170>;tag=2 Date: Tue, 14 Oct 2014 16:48:36 GMT Call-ID:
ef7acf80-43d153e4-51-5a20300e@14.48.32.90 User-Agent: Cisco-CUCM10.5 Max-Forwards: 70 P-
Asserted-Identity: <sip:9110001@14.48.32.90> CSeq: 102 BYE Reason: Q.850;cause=47
Content-Length: 0
```

Aquí están los ejemplos de la salida del laboratorio para un teléfono con la dirección MAC **SEPC80084AA8743**:

En este comando, usted puede ver el teléfono tiene solamente un DN en él cuál es **2003**, nosotros también ve que el **BABERO** está prendido, la aislamiento está apagada, el tipo de grabación es automático, la fuente preferida es teléfono, el perfil de la grabación es **perfil de la grabación de la prueba**, la grabación que llama el espacio de búsqueda es **INTERNAL\_CSS**, el modelo de la ruta para las llamadas registradas es **8675309** y ese modelo se asocia a la división **INTERNAL\_PT**.

### CUCM sendt the ACK and BYE to the recording server in response to INVITE #2  
Note the Q.850 cuase code in the BYE

```
00020248.001 |12:48:36.218 |AppInfo |//SIP/SIPUdp/wait_SdlSPISignal: Outgoing SIP UDP message
to 14.48.32.170:[5060]:
[908,NET]
ACK sip:14.48.32.170:5060;transport=UDP SIP/2.0
Via: SIP/2.0/UDP 14.48.32.90:5060;branch=z9hG4bK531df920a6
From: <sip:9110001@14.48.32.90;x-farend;x-refci=49613638;x-nearendclusterid=glenscucm10-5;x-
nearenddevice=sep001795bdd16b;x-nearendaddr=9110001;x-farendrefci=49613637;x-
farendclusterid=glenscucm10-5;x-farenddevice=sep0018195aa209;x-
farendaddr=9110006>;tag=352~713e2333-4032-45f1-b1f5-e33cf471acec-49613645
To: <sip:8675309@14.48.32.170>;tag=2
Date: Tue, 14 Oct 2014 16:48:36 GMT
Call-ID: ef7acf80-43d153e4-51-5a20300e@14.48.32.90
User-Agent: Cisco-CUCM10.5
Max-Forwards: 70
CSeq: 101 ACK
Allow-Events: presence, kpml
Content-Length: 0
```

```
00020249.001 |12:48:36.218 |AppInfo |//SIP/SIPUdp/wait_SdlSPISignal: Outgoing SIP UDP message to
14.48.32.170:[5060]: [909,NET] BYE sip:14.48.32.170:5060;transport=UDP SIP/2.0 Via: SIP/2.0/UDP
14.48.32.90:5060;branch=z9hG4bK5462aba807 From: <sip:9110001@14.48.32.90;x-farend;x-
refci=49613638;x-nearendclusterid=glenscucm10-5;x-nearenddevice=sep001795bdd16b;x-
nearendaddr=9110001;x-farendrefci=49613637;x-farendclusterid=glenscucm10-5;x-
farenddevice=sep0018195aa209;x-farendaddr=9110006>;tag=352~713e2333-4032-45f1-b1f5-e33cf471acec-
49613645 To: <sip:8675309@14.48.32.170>;tag=2 Date: Tue, 14 Oct 2014 16:48:36 GMT Call-ID:
ef7acf80-43d153e4-51-5a20300e@14.48.32.90 User-Agent: Cisco-CUCM10.5 Max-Forwards: 70 P-
Asserted-Identity: <sip:9110001@14.48.32.90> CSeq: 102 BYE Reason: Q.850;cause=47
Content-Length: 0
```

Con la salida de este comando, usted puede controlar todas las divisiones del CSS de registración y del perfil de la grabación asociado al teléfono del interés. Usted puede ver aquí que la división **INTERNAL\_PT** es una de las divisiones asociadas al espacio de búsqueda de llamada **INTERNAL\_CSS**. Esto significa que no debe haber problemas con el **BABERO** del teléfono que

puede llamar el modelo de la ruta de la grabación.

```
run sql select css.name as name_of_the_recording_css, rp.name as partitions_in_recording_css,
csm.sortorder from callingsearchspace as css inner join callingsearchspacemember as csm on
csm.fkcallingsearchspace = css.pkid inner join routepartition as rp on csm.fkroutepartition =
rp.pkid inner join recordingprofile as rcrdpro on rcrdpro.fkcallingsearchspace_callrecording =
css.pkid inner join devicenumplanmap as devnumplanmap on rcrdpro.pkid =
devnumplanmap.fkrecordingprofile inner join device as dev on devnumplanmap.fkdevice = dev.pkid
where css.pkid = rcrdpro.fkcallingsearchspace_callrecording and dev.name='SEPC80084AA8743'
name_of_the_recording_css partitions_in_recording_css sortorder
=====
INTERNAL_CSS          E911_PT              1
INTERNAL_CSS          Phones_PT            2
INTERNAL_CSS          EMERGENCY_PT        3
INTERNAL_CSS         INTERNAL_PT         4
INTERNAL_CSS          INFORMACAST_PT      5
```