

لاصتالال قيرط نع لاصتالال عضو بقت مت و JTAPI GW ل قنتم لال ليمع لال لبق نم CUCM

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قمدقملال

يذال ليلكولل "Cisco نم قحومحمل رتويبمكلا قزهجال دحوملال ليمعلال چمانربلال" حيتي قاطنلال ضيري VPN لاصتالال (PSTN) قماع قحومل فتاه قكبش ربع لمعي فتاه يامدختسي يمسر لاصتالال زكرم يلف دوجوم ليلكولل لثم لمعلال قيناكلما (ليلكولال بتكملال حطس تالاصتالال) تاقيبطت قحومر قهچاو قسطاوب هيلف مكحتلالاو هتبقارم متي يذال Cisco IP فتاه مدختسي ليمعلال چمانربلال" حمسي Cisco نم (CUCM) قحوملال تالاصتالال قراجال (JTAPI) Java فتاه مادختسال چماربلال نيوكتب ماظنلال يلوؤسمل "Cisco نم قحومحمل رتويبمكلا قزهجال دحوملال عضو يلف .تنرتنلال ربع لاصتالال و لاصتالال قيرط نع لاصتالال قيرط نع لاصتالال اهاتنا دنع .قدراو قملالكمل لكل "لومحملال ليمعلال" فتاه بلط متي ،فتاهلال قيرط نع لاصتالال قيلعتلال قملالكملل هدادع لبق "لومحملال فتاهلال ليمع" فتاه لاصتالال عطق متي ،قملالكملل

يتم عمل المكالمات طرقة سوابب هب لاصتال متي لومحم لي مع ىل اذراو ةملاكم دن تسملا اذه عبتتتي ىل لي عمل نم امه ادح، لاصتال يتطقن نمضتتي اذهو. CUCM تالجسو JTAPI (JGW) ةبابوب طاقتل وه فدهل. ليكول ىل (RCP) دي عبل CTI ذفنم نم ىرخال او (LCP) لي حمل CTI ذفنم ةملاكملا يقاس رسجل CUCM ىل جج JGW لصحي فيك

ةيساس الابلطتملا

تابلطتملا

دن تسملا اذهل ةصاخ تابلطتم دجوت ال

ةمدختسملا تانوكملا

ةيلال ةيدامل تانوكملا او جماربل تارادصل ىل دن تسملا اذه في ةدراول تامولعمل دن تست

- Unified Contact Center Enterprise، رادصلال 10.0
- CUCM، رادصلال 10.0

ةماع ةرظن

ةملاكملا ليصافت

Communications Manager Express (CME) ىل ع تادادتملا ليكول او لي عمل الفتاوه نم لك دعى CUCM ب ةلصتلم ةبابوبال ىل ISDN PRI لال نم لصلتلملا

```
CME---- ISDN PRI--- SIP Gateway (10.106.61.162)--- CUCM (10.106.81.67)
```

```
LCP : LCP5000F0001, DN 6001  
RCP : RCP5000F0001, DN 6101  
Agent mobile number : 2003  
Caller number: 2001  
PG IP Address: 10.106.81.68  
CVP IP Address:10.106.81.69
```

ىوتسملا يلاع تاملاكملا قفدت

1. (GW) (10.106.61.162) ةبابوبال ىل لريشت يتل، CME 9001 لئاسر ىل ع 2001 لصلتلملا (CVP) لي عمل توص ةبابوبال ىل GW بلط ريظن طاقتن
2. لي عمل ةيمست ICM دي عيو، (ICM) ليكذلا لاصتالال ري دم ىل هيجوت بلط CVP لسري (DN) 6001 بلطلال مقر ءانيم LCP وهو، لومحمل فتاهل
3. JTAPI (JGW) ةبابوب دشرت، LCP ذفنم تاقولح ممت امنيب. CUCM ىل ةوعد CVP لسري RCP 6101 نم 2001 ليكولال فتاهب لاصتالال CUCM
4. راطتالال دي قى قيسوملاب ةلصتلم ليكولال قاس نوكت، ليكولال بي جي نأ درجم ب (MoH) راطتالال دي قى قيسوملاب ةلصتلم ليكولال قاس نوكت، ليكولال بي جي نأ درجم ب
5. LCP ذفنم ىل ع نرت يتل ةدراول ةملاكملا ىل ع درلل JGW CUCM دشري
6. ليكولال قاس دادرتسال CUCM ةكرش JGW دشري، LCP لوكوتورب قاس لاصتالال درجم بو
7. قاس نم (RTP) لي لعفلال تقولال لوقن لوكوتورب ذفنم/انوع ليصافت ىل ع JGW رمي س كعل او ليكولال قاس ىل لي عمل
8. لي عمل او لي عمل ني ب RTP راسم ءاشن او ني قاسل ني ب روسجلال دم ىل ع CUCM لمعي لك عبتتي. CUCM LCP ذفنم ىل ةملاكملا لوصو دن ع، 3 ةوطخلال نم لي لحتل اذه ادب

س وورلا ةطساوب فيرعتلا عم قباطت يتلا CUCM لجس ةصا صق ةرشابم JGW ةصا صق
يلاوتلا يلع CUCM و JGW.

اهحال صا واطخال فاشكتسا

لوكوتورب تاراشا و JGW لئاسرر اطاخا فاشكتسال هذه اطاخال حيحصت تاوتسم مدختسا
اهحال صا و CUCM يلع ةقباطملا (SIP) لمعلا ةسلج ادب:

يباي

عبتتلا ليغشت لجأ نم ةدعاسملا Procmon ةادأ مدختسا (PG)، "ةيفرطلا ليكولا ةابوب" يلع
JGW ةي لمعل:

```
C:\>procmon <cust_inst> <node> jgw<jtapi instance>  
>>>trace JT_TPREQUESTS /on  
>>>trace JT_JTAPI_EVENT_USED* /on  
>>>trace JT_PIM_EVENT /on  
>>>trace JT_ROUTE_MESSAGE /on  
>>>trace *CONF* /on
```

فرخال ةلحل ةساسح عبتتلا رماو: ةطخال م.

```
Communications Manager:  
Enable SIP tracing from serviceability
```

تاملا كمل القفدتل لصفم لي لحت

LCP ذفنم دراو لا اعادتسال ل NewCallEvent ملتسي JGW

وي لبد ي ج ي ج

```
17:27:19:762 PG1A-jgw1 Trace: 978: Sep 12 17:27:19.762 IST %JTAPI-PROTOCOL-7-UNK:  
(P8-10.106.81.67) received Event: com.cisco.cti.protocol.NewCallEvent {
```

```
eventSequence           = 207  
lineCallManagerID       = 1  
lineID                   = 14  
lineHandleSpecified     = true  
deviceName               = LCP5000F0001  
callCallManagerID       = 1  
callLegID                = 20622152  
globalCallManagerID     = 1  
callID                   = 7017  
callingParty             = 2001
```

calledParty = 6001
CUCM

00584403.005 |17:27:19.520 |AppInfo |SIPTcp - wait_SdlReadRsp: Incoming SIP TCP message from 10.106.81.69 on port 19540 index 9 with 1080 bytes:

[308,NET]

INVITE sip:6001@10.106.81.67;transport=tcp SIP/2.0

Via: SIP/2.0/TCP 10.106.81.69:5060;branch=z9hG4bK0pklbe3yYKOMmlUkMFKs+A~~90

Max-Forwards: 69

To: <sip:6001@10.106.81.67;transport=tcp>

From: 2001 <sip:2001@10.106.81.69:5060>;tag=ds68ab6ea6

Call-ID: **78B041A239AB11E480032C542D7590C8-141054823683618**@10.106.81.69

CSeq: 1 INVITE

Content-Length: 0

Contact: <sip:2001@10.106.81.69:5060;transport=tcp>

Expires: 60

User-Agent: CVP 10.0 (1) Build-490

Call-Info: <sip:10.106.61.162:5060>;purpose=x-cisco-origIP

Remote-Party-ID: <sip:2001@10.106.61.162>;party=calling;screen=no;privacy=off

Date: Fri, 12 Sep 2014 12:02:16 GMT

Min-SE: 1800

Cisco-Guid: 2024817058-0967512548-2147691604-0762679496

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

Allow-Events: telephone-event

X-Cisco-CCBProbe: id:10.106.61.162;loc:https;trunks:1

MIME-Version: 1.0

Cisco-Gucid: 78B041A239AB11E480032C542D7590C8

Supported: timer

Supported: resource-priority

Supported: replaces

Supported: sdp-anat

App-Info: <10.106.81.69:8000:8443>

RCP نم 2003 دي عبال ليكوالا لى اعادتسالا JGW و LCP Rings ادبي

وي ل ب د ي ج ي ج

17:27:19:795 PG1A-jgw1 Trace: 1078: Sep 12 17:27:19.795 IST %JTAPI-PROTOCOL-7-UNK:
(P8-10.106.81.67) [GW-ThreadMakeRemoteAgentCall] sending: com.cisco.cti.protocol.

LineCallInitiateRequest {

```
sequenceNumber      = 124
lineCallManagerID   = 1
lineID              = 10
globalCallManagerID = 1
globalCallID        = 7018
callingAddress       = 6101
destAddress          = 2003
userData             = null
mediaDeviceName     =
mediaResourceId      = 0
featurePriority      = 1
}
```

17:27:19:799 PG1A-jgw1 Trace: 1079: Sep 12 17:27:19.799 IST %JTAPI-PROTOCOL-7-UNK:
(P8-10.106.81.67) received Response: com.cisco.cti.protocol.LineCallInitiateResponse {

```
sequenceNumber      = 124
result              = 0
lineCallManagerID   = 1
lineID              = 10
callManagerID       = 1
callLegID           = 20622153
```

CUCM

00584484.001 |17:27:19.532 |AppInfo |SIPTcp - wait_SdlSPISignal: Outgoing SIP TCP
message to 10.106.81.69 on port 19540 index 9

[310,NET]

SIP/2.0 180 Ringing

Via: SIP/2.0/TCP 10.106.81.69:5060;branch=z9hG4bK0pklbe3yYKOMmlUkMFKs+A~~90

From: 2001 <sip:2001@10.106.81.69:5060>;tag=ds68ab6ea6

To: <sip:6001@10.106.81.67;transport=tcp>;tag=32~9fb3c68a-3291-4bd4-98cd-c82b97aed22a-
20622151

Date: Fri, 12 Sep 2014 11:57:19 GMT

Call-ID: **78B041A239AB11E480032C542D7590C8-141054823683618**@10.106.81.69

CSeq: 1 INVITE

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

Allow-Events: presence

Server: Cisco-CUCM10.0

Supported: X-cisco-srtp-fallback

Supported: Geolocation

P-Asserted-Identity: <sip:6001@10.106.81.67>

Remote-Party-ID: <sip:6001@10.106.81.67>;party=called;screen=yes;privacy=off

Contact: <sip:6001@10.106.81.67:5060;transport=tcp>

Content-Length: 0

00584490.000 |17:27:19.566 |SdlSig-I |**CtiLineCallInitiateReq** |restart0
|StationD(1,100,63,4) |CTIDeviceLineMgr(1,200,25,1) |1,200,13,
2.9296^10.106.81.68^RCP5000F0001 |[R:N-H:0,N:0,L:0,V:0,Z:0,D:0]
AsyncResponse=148 LH=1|11 GCH=1|7018 CalledPartyInfo=2003 MediaDeviceName = Media
DevicePid = (0,0,0,0) resource ID=0 FetaurePriority=1

00584582.001 |17:27:19.587 |AppInfo |SIPtcp - wait_SdlSPISignal: Outgoing SIP TCP
message to 10.106.61.162 on port 5060 index 12

[311,NET]

INVITE sip:**2003**@10.106.61.162:5060 SIP/2.0

Via: SIP/2.0/TCP 10.106.81.67:5060;branch=z9hG4bK654d9a6da3

From: <sip:6101@10.106.81.67>;tag=33~9fb3c68a-3291-4bd4-98cd-c82b97aed22a-20622154

To: <sip:2003@10.106.61.162>

Date: Fri, 12 Sep 2014 11:57:19 GMT

Call-ID: **f1283f00-4121df9f-b-43516a0a**@10.106.81.67

Supported: timer,resource-priority,replaces

Min-SE: 1800

User-Agent: Cisco-CUCM10.0

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,X-cisco-original-called

Call-Info: <sip:10.106.81.67:5060>;method="NOTIFY;Event=telephone-event;Duration=500"

Call-Info: <urn:x-cisco-remotecc:callinfo>;x-cisco-video-traffic-class=VIDEO_UNSPECIFIED

Cisco-Guid: 4045946624-0000065536-0000000011-1129409034

Session-Expires: 1800

P-Asserted-Identity: <sip:6101@10.106.81.67>

Remote-Party-ID: <sip:6101@10.106.81.67>;party=calling;screen=yes;privacy=off

Contact: <sip:6101@10.106.81.67:5060;transport=tcp>

Max-Forwards: 70

Content-Length: 0

RCP ذفنم ىل | (MOLC) طئاسولل ةحوتفم ةيقطنم ةانق لسري CUCM و ليمعلا تاباج

ويلبد يچ يچ يچ

17:27:25:285 PG1A-jgw1 Trace: 1203: Sep 12 17:27:25.285 IST %JTAPI-PROTOCOL-7-UNK:(P8-10.106.81.67) received Event: com.cisco.cti.protocol.**DeviceCallOpen LogicalChannelEvent** {

eventSequence = 216

deviceCallManagerID = 1

deviceID = 2

callCallManagerID = 1

callLegID = 20622153

CUCM

00584627.002 |17:27:25.048 |AppInfo |SIPtcp - wait_SdlReadRsp: Incoming SIP TCP message from 10.106.61.162 on port 5060 index 12 with 1021 bytes:

[314,NET]

SIP/2.0 200 OK

Via: SIP/2.0/TCP 10.106.81.67:5060;branch=z9hG4bK654d9a6da3

From: <sip:6101@10.106.81.67>;tag=33~9fb3c68a-3291-4bd4-98cd-c82b97aed22a-20622154

To: <sip:2003@10.106.61.162>;tag=66DAB40-15DF

Date: Fri, 12 Sep 2014 12:02:19 GMT

Call-ID: f1283f00-4121df9f-b-43516a0a@10.106.81.67

CSeq: 101 INVITE

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

Allow-Events: telephone-event

Remote-Party-ID: <sip:2003@10.106.61.162>;party=called;screen=no;privacy=off

Contact: <sip:2003@10.106.61.162:5060;transport=tcp>

Supported: replaces

Supported: sdp-anat

Server: Cisco-SIPGateway/IOS-12.x

Require: timer

Session-Expires: 1800;refresher=uac

Supported: timer

Content-Type: application/sdp

Content-Disposition: session;handling=required

Content-Length: 193

v=0

o=CiscoSystemsSIP-GW-UserAgent 8244 219 IN IP4 10.106.61.162

s=SIP Call

c=IN IP4 10.106.61.162

t=0 0

m=audio 29722 RTP/AVP 0

c=IN IP4 10.106.61.162

a=rtpmap:0 PCMU/8000

a=ptime:20

```
00584677.000 |17:27:25.052 |SdlSig |MXAgenaOpenLogicalChannel
              |call_delivered4 |StationCdpc(1,100,64,18)
              |StationD(1,100,63,4) |1,100,14,27559.6^10.106.61.162^*
              |[R:N-H:0,N:4,L:0,V:0,Z:0,D:0] codec=4 CI=20622153 mediaType=1
audioRate=20 iLBCMode=1 rfc2833PayloadNum=0 confId=0 streamFlag=F partyId=
16777257 PT=F PTId=16777216 dyn payloadTypeNum=0 MediaEncrAlgo=0 ConnType=3
ReqIpAddrType=0 ipAddrType=0 ipv4=10.106.61.162:29722 dscpForMyParty=0xb8
(DSCP=0x2e) dscpForOtherEndParty=0xb8 (DSCP=0x2e) v150MER=F T38MER=F
```

ديع بل RTP ذفنم/ناونع لي صافات RCP LEG ب صاخلا StartTransmissionEvent رفوي

وي لبد ي ج ي ج ي ج

17:27:25:286 PG1A-jgw1 Trace: 1205: Sep 12 17:27:25.286 IST %JTAPI-PROTOCOL-7-
UNK:(P8-10.106.81.67) received Event: com.cisco.cti.protocol.StartTransmission

Event {

```
eventSequence          = 217
deviceCallManagerID   = 1
deviceID               = 2
callCallManagerID     = 1
callLegID              = 20622153
ipAddr                 = -1573033462
rtpPortNumber         = 29722
```

CUCM

```
00584686.000 |17:27:25.052 |SdlSig | StationOutputStartMediaTransmission
|restart0 |StationD(1,100,63,4)
|StationCdpc(1,100,64,18) |1,100,14,27559.6^10.106.61.162^*
|[R:N-H:0,N:7,L:0,V:0,Z:0,D:0] ConfId=20622153 remoteIpAddr=.type=0 .addr=
0x{a,6a,3d,a2,0,0,0,0,0,0,0,0,0,0,0,0}(10.106.61.162) Port=29722 PacketSize=
20 PayloadType=4 CI=20622153 DiffServ=0xb8 (DSCP=0x2e) Silent=0 MaxFrms=0
G723BitRate=0 PartyId=0x1000029 RFC2833PayloadType=0 mixingMode=0 partyDir=0
```

ةحوت فم لة قطن مل اة نقل ل ACK تام ل عم م ادخت ساب JGW ب جت سي

دعب LCP لوصو ةطقن لاصتا مدعل ارظن PG لوكوت و ربل IP ناوع وه اذه :ةطالحالم

وي لبد ج ج ج

```
17:27:25:299 PG1A-jgw1 Trace: 1241: %JTAPI-JTAPI-7-UNK:(P8-pguser)[ObserverThread
(com.cisco.icm.jgw.jtapi.JTapiObj@14323d5)][RCP5000F0001]Request: setRTPParams(Cisco
RTPParams10.106.81.68/31025)
```

```
17:27:25:299 PG1A-jgw1 Trace: 1242: Sep 12 17:27:25.299 IST %JTAPI-PROTOCOL-7-UNK:
(P8-10.106.81.67) [ObserverThread(com.cisco.icm.jgw.jtapi.JTapiObj@14323d5)] sending:
com.cisco.cti.protocol.DeviceSetRTPForCallRequest {
```

```
17:27:25:300 PG1A-jgw1 Trace:
```

```
sequenceNumber        = 125
callManagerID         = 1
deviceID               = 2
callCallManagerID     = 1
callLegID              = 20622153
ipAddress              = 1146186250
rtpPortNumber         = 31025
```

CUCM

00584713.000 |17:27:25.070 |SdlSig | **CtiDeviceSetRTPForCallReq**
|active10 |StationCdpc(1,100,64,18)
|StationD(1,100,63,4) |1,200,13,2.9297^10.106.81.68
^RCP5000F0001 |[R:N-H:0,N:0,L:0,V:0,Z:0,D:0] AsyncResponse=149mCtiInterface
(1,200,25,1) DH=1|3 CH=1|**20622153** RtpDestination**1146186250**|**31025**

00584718.000 |17:27:25.070 |SdlSig | **MXAgenaOpenLogicalChannelAck**
|waitForMXCapabilitiesorOfferorAnswer |AgenaInterface(1,100,244,25)
|StationCdpc(1,100,64,18) |1,200,13,2.9297^10.106.81.68^RCP5000F0001
|[R:N-H:0,N:1,L:0,V:0,Z:0,D:0] rc=0 isMultiMedia=F LCN=0 partyId=16777257 port=
31025 ipAddrType=0 ipv4=**10.106.81.68**

00584745.001 |17:27:25.080 |AppInfo |SIPTcp - wait_SdlSPISignal: Outgoing SIP
TCP message to 10.106.61.162 on port 5060 index 12

[315,NET]

ACK sip:2003@10.106.61.162:5060;transport=tcp SIP/2.0

Via: SIP/2.0/TCP 10.106.81.67:5060;branch=z9hG4bK667d8dda73

From: <sip:6101@10.106.81.67>;tag=33~9fb3c68a-3291-4bd4-98cd-c82b97aed22a-20622154

To: <sip:2003@10.106.61.162>;tag=66DAB40-15DF

Date: Fri, 12 Sep 2014 11:57:19 GMT

Call-ID: f1283f00-4121df9f-b-43516a0a@10.106.81.67

User-Agent: Cisco-CUCM10.0

Max-Forwards: 70

CSeq: 101 ACK

Allow-Events: presence, kpml

Content-Type: application/sdp

Content-Length: 186

v=0

o=CiscoSystemsCCM-SIP 33 1 IN IP4 10.106.81.67

s=SIP Call

c=IN IP4 **10.106.81.68**

b=TIAS:64000

b=CT:64

b=AS:64

t=0 0

m=audio **31025** RTP/AVP 0

a=ptime:20

a=rtpmap:0 PCMU/8000

راظت نال دي قاس RCP ج وول ج وول JGW تابلط

وي لبد ي ج ي ج ي ج

17:27:25:309 PG1A-jgw1 Trace: 1262: Sep 12 17:27:25.309 IST %JTAPI-PROTOCOL-7-
UNK:(P8-10.106.81.67) [pool-1-thread-22-JTAPIGW-22] sending: com.cisco.cti.
protocol.**CallHoldRequest** {

sequenceNumber = 126

lineCallManagerID = 1

lineID = 10

callLegCallManagerID = 1

callLegID = 20622153

CUCM

00585451.000 |17:27:38.419 |SdlSig-I |**CtiLineCallHoldReq**
|restart0 |StationD(1,100,63,4)
|CTIDeviceLineMgr(1,200,25,1) |1,200,13,2.9303^10.106.81.68
^RCP5000F0001 |[R:N-H:0,N:0,L:0,V:0,Z:0,D:0] AsyncResponse=155 CH=1|**20622153**
LH=1|11 ContentId=

001 |17:27:38.420 |AppInfo |SIPTcp - wait_SdlSPISignal: Outgoing SIP TCP message
to 10.106.61.162 on port 5060 index 12

[340,NET]

INVITE sip:2003@10.106.61.162:5060;transport=tcp SIP/2.0

Via: SIP/2.0/TCP 10.106.81.67:5060;branch=z9hG4bK712fda313c

From: <sip:6101@10.106.81.67>;tag=33~9fb3c68a-3291-4bd4-98cd-c82b97aed22a-20622154

To: <sip:2003@10.106.61.162>;tag=66DAB40-15DF

Date: Fri, 12 Sep 2014 11:57:38 GMT

Call-ID: f1283f00-4121df9f-b-43516a0a@10.106.81.67

Supported: timer,resource-priority,replaces

User-Agent: Cisco-CUCM10.0

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

CSeq: 106 INVITE

Max-Forwards: 70

Expires: 180

Allow-Events: presence

Call-Info: <urn:x-cisco-remotec:callinfo>;x-cisco-video-traffic-class=VIDEO_UNSPECIFIED

Supported: X-cisco-srtp-fallback

Supported: Geolocation

Session-Expires: 1800;refresher=uac

Min-SE: 1800

P-Asserted-Identity: <sip:6101@10.106.81.67>

Remote-Party-ID: <sip:6101@10.106.81.67>;party=calling;screen=yes;privacy=off

Contact: <sip:6101@10.106.81.67:5060;transport=tcp>

Content-Type: application/sdp

Content-Length: 193

v=0

o=CiscoSystemsCCM-SIP 33 6 IN IP4 10.106.81.67

s=SIP Call

c=IN IP4 0.0.0.0

b=TIAS:64000

b=CT:64

b=AS:64

t=0 0

m=audio 16390 RTP/AVP 0

a=ptime:20

a=rtpmap:0 PCMU/8000

a=inactive

(LCP) لاسرالا يف مكحتلا لوكوتورب قاس ىلع ةباجلل JGW CUCM دشري

ويلبد يچ يچ يچ

17:27:25:312 PG1A-jgw1 Trace: 1270: Sep 12 17:27:25.312 IST %JTAPI-PROTOCOL-7-UNK:(P8-10.106.81.67) [GW-ThreadAnswerCall] sending: com.cisco.cti.protocol.

CallAnswerRequest {

sequenceNumber = 127

lineCallManagerID = 1

lineID = 14

callLegCallManagerID = 1

callLegID = 20622152
CUCM

00584785.000 |17:27:25.082 |SdlSig-I |**CtiLineCallAnswerReq**
|restart0 |StationD(1,100,63,3)
|CTIDeviceLineMgr(1,200,25,1) |1,200,13,2.9299^10.106.81.68
^LCP5000F0001 |[R:N-H:0,N:0,L:0,V:0,Z:0,D:0] mAsyncResponse=151 CH=1|20622152
LH=1|15 MediaDeviceName = MediaDevicePid = (0,0,0,0) resource ID=0

00584875.001 |17:27:25.088 |AppInfo |SIPTcp - wait_SdlSPISignal: Outgoing SIP TCP
message to 10.106.81.69 on port 19540 index 9

[317,NET]

SIP/2.0 200 OK

Via: SIP/2.0/TCP 10.106.81.69:5060;branch=z9hG4bK0pklbe3yYKOMmlUkMFKs+A~~90

From: 2001 <sip:2001@10.106.81.69:5060>;tag=ds68ab6ea6

To: <sip:6001@10.106.81.67;transport=tcp>;tag=32~9fb3c68a-3291-4bd4-98cd-c82b97
aed22a-20622151

Date: Fri, 12 Sep 2014 11:57:19 GMT

Call-ID: **78B041A239AB11E480032C542D7590C8-141054823683618**@10.106.81.69

CSeq: 1 INVITE

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

Allow-Events: presence, kpml

Supported: replaces

Server: Cisco-CUCM10.0

Supported: X-cisco-srtp-fallback

Supported: Geolocation

Session-Expires: 1800;refresher=uas

Require: timer

P-Asserted-Identity: <sip:6001@10.106.81.67>

Remote-Party-ID: <sip:6001@10.106.81.67>;party=called;screen=yes;privacy=off

Contact: <sip:6001@10.106.81.67:5060;transport=tcp>

Content-Type: application/sdp

Content-Length: 183

v=0

o=CiscoSystemsCCM-SIP 32 1 IN IP4 10.106.81.67

s=SIP Call
c=IN IP4 0.0.0.0
b=TIAS:64000
b=AS:64
t=0 0
m=audio 4000 RTP/AVP 0
a=ptime:20
a=rtpmap:0 PCMU/8000
a=sendonly
LCP لى CUCM MOLC لى سرى و LCP قاس لى دع درلا متي

وي لى بد يى جى جى

17:27:25:345 PG1A-jgw1 Trace: 1327: Sep 12 17:27:25.344 IST %JTAPI-PROTOCOL-7-
UNK:(P8-10.106.81.67) received Event: com.cisco.cti.protocol.**DeviceCallOpen LogicalChannelEvent** {

eventSequence = 226
deviceCallManagerID = 1
deviceID = 4
callCallManagerID = 1
callLegID = **20622152**

CUCM

00585043.000 |17:27:25.113 |SdlSig |**MXAgenaOpenLogicalChannel**
|restart0 |StationD(1,100,63,3)
|AgenaInterface(1,100,244,26) |1,100,14,27389.6^10.106.81.69^*
|[R:N-H:0,N:1,L:1,V:0,Z:0,D:0] codec=4 CI=**20622152** mediaType=1
audioRate=20 iLBCMode=1 rfc2833PayloadNum=0 confid=0 streamFlag=F partyId=
16777260 PT=F PTid=16777216 dyn payloadTypeNum=0 MediaEncrAlgo=0 ConnType=3
ReqIpAddressType=0 ipAddressType=0 ipv4=**10.106.61.162:16390** dscpForMyParty=0xb8
(DSCP=0x2e) dscpForOtherEndParty=0xb8 (DSCP=0x2e) v150MER=F T38MER=F

MOLC بى لى ط ملى تسى نأ درج ملى لى كولا لى رى قاس تى بى ثت اءل لى لى جى و جى دى رى

وي لى بد يى جى جى

17:27:25:358 PG1A-jgw1 Trace: 1367: Sep 12 17:27:25.358 IST %JTAPI-PROTOCOL-7-
UNK:(P8-10.106.81.67) [pool-1-thread-23-JTAPIGW-23] sending: com.cisco.cti.protocol.
CallRetrieveRequest {

sequenceNumber = 128
lineCallManagerID = 1

lineID = 10

callLegCallManagerID = 1

callLegID = 20622153

CUCM

00585056.000 |17:27:25.128 |SdlSig-I |**CtiLineCallHoldRetrieveReq**
|restart0 |StationD(1,100,63,4)
|CTIDeviceLineMgr(1,200,25,1) |1,200,13,2.9300^10.106.81.68^
RCP5000F0001 |[R:N-H:0,N:0,L:0,V:0,Z:0,D:0] AsyncResponse=152 CH=1|**20622153** LH=1|11

00585090.001 |17:27:25.130 |AppInfo |SIPTcp - wait_SdlSPISignal: Outgoing SIP TCP message to 10.106.61.162 on port 5060 index 12

[326,NET]

INVITE sip:2003@10.106.61.162:5060;transport=tcp SIP/2.0

Via: SIP/2.0/TCP 10.106.81.67:5060;branch=z9hG4bK6b6d73b3b4

From: <sip:6101@10.106.81.67>;tag=33~9fb3c68a-3291-4bd4-98cd-c82b97aed22a-20622154

To: <sip:2003@10.106.61.162>;tag=66DAB40-15DF

Date: Fri, 12 Sep 2014 11:57:25 GMT

Call-ID: f1283f00-4121df9f-b-43516a0a@10.106.81.67

Supported: timer,resource-priority,replaces

User-Agent: Cisco-CUCM10.0

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

CSeq: 104 INVITE

Max-Forwards: 70

Expires: 180

Allow-Events: presence

Call-Info: <urn:x-cisco-remotec:callinfo>;x-cisco-video-traffic-class=VIDEO_UNSPECIFIED

Supported: X-cisco-srtp-fallback

Supported: Geolocation

Session-Expires: 1800;refresher=uac

Min-SE: 1800

P-Asserted-Identity: <sip:6101@10.106.81.67>

Remote-Party-ID: <sip:6101@10.106.81.67>;party=calling;screen=yes;privacy=off

Contact: <sip:6101@10.106.81.67:5060;transport=tcp>

Content-Type: application/sdp

Content-Length: 182

v=0

o=CiscoSystemsCCM-SIP 33 4 IN IP4 10.106.81.67

s=SIP Call

c=IN IP4 0.0.0.0

t=0 0

m=audio 4000 RTP/AVP 0

a=X-cisco-media:umoh

a=ptime:20

a=rtpmap:0 PCMU/8000

a=inactive

قېلىنغان ئاۋدىيو سىنكرونىزىمىسىنىڭ ئىشلىتىش ئورنىدا RCP ئىشلىتىش ئورنىدا CUCM MOLC لىنىيەسى

ويلىنىش ئورنىدا ئىشلىتىش

17:27:25:376 PG1A-jgw1 Trace: 1387: Sep 12 17:27:25.376 IST %JTAPI-PROTOCOL-7-
UNK:(P8-10.106.81.67) received Event: com.cisco.cti.protocol.DeviceCallOpen
LogicalChannelEvent {

eventSequence = 228

deviceCallManagerID = 1

deviceID = 2

callCallManagerID = 1

callLegID = 20622153

CUCM

00585195.002 |17:27:25.143 |AppInfo |SIPTcp - wait_SdlReadRsp: Incoming SIP TCP
message from 10.106.61.162 on port 5060 index 12 with 973 bytes:

[332,NET]

SIP/2.0 200 OK

Via: SIP/2.0/TCP 10.106.81.67:5060;branch=z9hG4bK6d5a13fb6a

From: <sip:6101@10.106.81.67>;tag=33~9fb3c68a-3291-4bd4-98cd-c82b97aed22a-20622154

To: <sip:2003@10.106.61.162>;tag=66DAB40-15DF

Date: Fri, 12 Sep 2014 12:02:25 GMT

Call-ID: f1283f00-4121df9f-b-43516a0a@10.106.81.67

17:27:25:378 PG1A-jgw1 Trace: 1390: Sep 12 17:27:25.377 IST %JTAPI-PROTOCOL-7-
UNK:(P8-10.106.81.67) received Event: com.cisco.cti.protocol.**StartTransmissionEvent** {

eventSequence = 229
deviceCallManagerID = 1
deviceID = 2
callCallManagerID = 1
callLegID = 20622153
ipAddr = -1573033462
rtpPortNumber = 29722

CUCM

00585220.000 |17:27:25.144 |SdlSig |**StationOutputStartMediaTransmission**
|restart0 |StationD(1,100,63,4) |StationCdpc
(1,100,64,18) |1,100,14,27559.17^10.106.61.162^* |[R:N-H:0,N:5,L:0,
V:0,Z:0,D:0] ConfId=20622153 remoteIpAddr=.type=0 .addr=0x{a,6a,3d,a2,0,0,0,0,0,
0,0,0,0,0}(10.106.61.162) Port=29722 PacketSize=20 PayloadType=4 CI=20622153
DiffServ=0xb8 (DSCP=0x2e) Silent=0 MaxFrms=0 G723BitRate=0 PartyId=0x100002d RFC
2833PayloadType=0 mixingMode=0 partyDir=0

LCP جلاعم ىلع لىكولل RTP تاملعم دادعاب لىمعل طئاس ورسجتل JGW CUCM دشري

ويلبديجيج

17:27:25:386 PG1A-jgw1 Trace: 1410: Sep 12 17:27:25.386 IST %JTAPI-PROTOCOL-7-
UNK:(P8-10.106.81.67) [ObserverThread(com.cisco.icm.jgw.jtapi.JTapiObj@14323d5)]
sending: com.cisco.cti.protocol.**DeviceSetRTPForCallRequest** {

17:27:25:387 PG1A-jgw1 Trace:

sequenceNumber = 129
callManagerID = 1
deviceID = 4
callCallManagerID = 1
callLegID = 20622152
ipAddress = -1573033462
rtpPortNumber = 29722

17:27:25:390 PG1A-jgw1 Trace: **MediaMgr::connectLocalMedia:** <LCP5000F0001>#4
setRTPParams on handle: 20622152/1 Address: /10.106.61.162 Port: 29722 on CID:
16784233 with RespTime: 4 milsecs

CUCM

00585227.000 |17:27:25.157 |SdlSig-I |**CtiDeviceSetRTPForCallReq**
|restart0 |StationD(1,100,63,3)

|CTIDeviceLineMgr(1,200,25,1) |1,200,13,2.9301^10.
106.81.68^LCP5000F0001 |[R:N-H:0,N:0,L:0,V:0,Z:0,D:0] AsyncResponse=
153mCtiInterface(1,200,25,1) DH=1|5 CH=1|20622152 RtpDestination
2721933834|29722

00585240.001 |17:27:25.169 |AppInfo |SIPTcp - wait_SdlSPISignal:
Outgoing SIP TCP message to 10.106.81.69 on port 5060 index 11

[333,NET]

INVITE sip:2001@10.106.81.69:5060;transport=tcp SIP/2.0

Via: SIP/2.0/TCP 10.106.81.67:5060;branch=z9hG4bK6e48afa3a0

From: <sip:6001@10.106.81.67;transport=tcp>;tag=32~9fb3c68a-3291-
4bd4-98cd-c82b97aed22a-20622151

To: 2001 <sip:2001@10.106.81.69:5060>;tag=ds68ab6ea6

Date: Fri, 12 Sep 2014 11:57:25 GMT

Call-ID: 78B041A239AB11E480032C542D7590C8-141054823683618@10.106.81.69

Supported: timer,resource-priority,replaces

Cisco-Guid: 2024817058-0967512548-2147691604-0762679496

User-Agent: Cisco-CUCM10.0

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

SUBSCRIBE, NOTIFY

CSeq: 101 INVITE

Max-Forwards: 70

Expires: 180

Allow-Events: presence, kpml

Supported: X-cisco-srtp-fallback

Supported: Geolocation

Session-Expires: 1800;refresher=uac

Min-SE: 1800

P-Asserted-Identity: <sip:6001@10.106.81.67>

Remote-Party-ID: <sip:6001@10.106.81.67>;party=calling;screen=yes;

privacy=off

Contact: <sip:6001@10.106.81.67:5060;transport=tcp>

Content-Type: application/sdp

Content-Length: 178

v=0

o=CiscoSystemsCCM-SIP 32 2 IN IP4 10.106.81.67

s=SIP Call

c=IN IP4 10.106.61.162

b=TIAS:64000

b=AS:64

t=0 0

m=audio 29722 RTP/AVP 0

a=ptime:20

a=rtpmap:0 PCMU/8000

لېمعالا ىلى لCP طحمل RTP ذفنم/ناونع لىصافت عم CUCM StartTransmissionEvent لىسرى

ويلىبد ىچ ىچ ىچ

17:27:25:440 PG1A-jgw1 Trace: 1424: Sep 12 17:27:25.440 IST %JTAPI-PROTOCOL-7-
UNK:(P8-10.106.81.67) received Event: com.cisco.cti.protocol.**StartTransmission**
Event {

eventSequence = 231<

deviceCallManagerID = 1

17:27:25:440 PG1A-jgw1 Trace:

deviceID = 4

callCallManagerID = 1

callLegID = 20622152

ipAddr = -1573033462

rtpPortNumber = 16390

CUCM

00585246.002 |17:27:25.204 |AppInfo |SIPtcp - wait_SdlReadRsp: Incoming SIP TCP
message from 10.106.81.69 on port 5060 index 11 with 1094 bytes:

[335,NET]

SIP/2.0 200 Ok

Via: SIP/2.0/TCP 10.106.81.67:5060;branch=z9hG4bK6e48afa3a0

To: 2001 <sip:2001@10.106.81.69:5060>;tag=ds68ab6ea6

From: <sip:6001@10.106.81.67;transport=tcp>;tag=32~9fb3c68a-3291-4bd4-98cd-c82b97
aed22a-20622151

Call-ID: 78B041A239AB11E480032C542D7590C8-141054823683618@10.106.81.69

17:27:25:447 PG1A-jgw1 Trace: 1441: Sep 12 17:27:25.447 IST %JTAPI-PROTOCOL-7-
UNK:(P8-10.106.81.67) [ObserverThread(com.cisco.icm.jgw.jtapi.JTapiObj@14323d5)]
sending: com.cisco.cti.protocol.**DeviceSetRTPForCallRequest** {

17:27:25:447 PG1A-jgw1 Trace:

sequenceNumber = 130
callManagerID = 1
deviceID = 2
callCallManagerID = 1
callLegID = 20622153
ipAddress = -1573033462
rtpPortNumber = 16390

17:27:25:449 PG1A-jgw1 Trace: MediaMgr::connectRemoteMedia: <**RCP5000F0001**>
setRTPParams on **handle: 20622153**/1 Address: /**10.106.61.162** Port: **16390** on CID:
16784233 with RespTime: 2 milsecs

CUCM

00585300.000 |17:27:25.217 |SdlSig |CtiDeviceSetRTPForCallReq
|active10 |StationCdpc(1,100,64,18)
|StationD(1,100,63,4) |1,200,13,2.9302^10.106.81.68^
RCP5000F0001 |[R:N-H:0,N:0,L:0,V:0,Z:0,D:0] AsyncResponse=154mCtiInterface
(1,200,25,1) DH=1|3 CH=1|**20622153** RtpDestination**2721933834**|**16390**

00585328.001 |17:27:25.218 |AppInfo |SIPTcp - wait_SdlSPISignal: Outgoing SIP TCP
message to 10.106.61.162 on port 5060 index 12

[337,NET]

ACK sip:2003@10.106.61.162:5060;transport=tcp SIP/2.0

Via: SIP/2.0/TCP 10.106.81.67:5060;branch=z9hG4bK705adddfae

From: <sip:6101@10.106.81.67>;tag=33~9fb3c68a-3291-4bd4-98cd-c82b97aed22a-20622154

To: <sip:2003@10.106.61.162>;tag=66DAB40-15DF

Date: Fri, 12 Sep 2014 11:57:25 GMT

Call-ID: f1283f00-4121df9f-b-43516a0a@10.106.81.67

User-Agent: Cisco-CUCM10.0

Max-Forwards: 70

CSeq: 105 ACK

Allow-Events: presence, kpml

Content-Type: application/sdp

Content-Length: 187G

v=0

o=CiscoSystemsCCM-SIP 33 5 IN IP4 10.106.81.67

s=SIP Call

c=IN IP4 10.106.61.162

b=TIAS:64000

b=CT:64

b=AS:64

t=0 0

m=audio 16390 RTP/AVP 0

a=ptime:20

a=rtpmap:0 PCMU/8000

هات إلای ئانث توصب نیقاسلا طبر متی، ةطقنلا هذه دنعو.

