

调试 MGCP 包示例

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简介

本文包含**调试MGCP包示例**多种介质网关控制协议(MGCP)呼叫顺序信息包获取。每个顺序在表里按年代顺序地显示。表包含消息(MSG)并且译解字段。MSG字段包含实际debug输出，并且解码字段解释之前的调试消息。目前，有调试顺序显示：

- [话筒是摘机和用户拨号数位](#)
- [话筒接收忙音](#)
- [显示产生和终止端的完全网内语音呼叫](#)
- [在三方之间之间的一个完整呼叫等待顺序](#)

本文是文档套件的**第5部分**。

1. [配置带 IOS MGCP 网关 \(模拟 FXO、FXS 端口 \) 的 Cisco CallManager 3.x](#)
2. [配置 Cisco IOS MGCP 网关](#)
3. [在Cisco CallManager服务器上配置MGCP网关和FXO/FXS端口](#)
4. [验证并且排除Cisco IOS MGCP网关故障](#)
5. 调试 MGCP 包示例
6. [监控、重置和删除Cisco CallManager的MGCP网关](#)

先决条件

要求

本文档没有任何特定的要求。

使用的组件

此配置用Cisco CallManager 3.0，3.1和3.2和Cisco IOS软件版本12.2镜像多种版本测试。屏幕画面和Cisco IOS配置捕获使用软件、硬件和如下所示的其他设备。

- 1 *Cisco VG200/2 X FXS/2 X FXO/1快速以太网10/100端口;Cisco IOS 软件版本 12.1(5)T
- 运行在MCS7835的1 *Cisco CallManager 3.0(5a)
- 2 *模拟电话听筒
- 2 * Cisco 7960 IP 电话

本文档中的信息都是基于特定实验室环境中的设备编写的。本文档中使用的所有设备最初均采用原始（默认）配置。如果您使用的是真实网络，请确保您已经了解所有命令的潜在影响。

对于在Cisco CallManager和Cisco IOS网关之间的推荐的兼容性软件版本，参考[Cisco CallManager软件版本比较](#)。

注意： Cisco IOS软件版本12.2(11)T或以后根据**ccm-manager**命令增强推荐。**ccm-manager**命令要求Cisco IOS软件版本12.1(5)XM或稍后所有路由器(Cisco 2600及3600)和Cisco语音网关200 (VG200)。

Cisco 2600及3600路由器支持MGCP，如果他们运行Cisco IOS软件版本12.1(3)T或以后。您需要的版本决定于您需要启用的功能。Cisco CallManager服务器一定运行版本3.0(5)a或以上。所有类型路由器的配置是相同。Cisco CallManager配置对于所有类型的路由器都是相同的。

Cisco IOS软件版本12.1(5)xm1及以上版本支持VG200。您需要的版本决定于您需要启用的功能。虽然Cisco CallManager更早版本支持VG200，推荐版本3.0(5)a或以上。

规则

有关文档规则的详细信息，请参阅 [Cisco 技术提示规则](#)。

当话筒是摘机和用户拨号数位时，请调试顺序为

MSG字段在如下所示的表里是**debug mgcp packets**命令输出，当电话是摘机时和用户拨号数位的捕获。**解码**字段提供**debug**命令生成的MGCP消息的解释。

M	21:50:26: send_mgcp_msg, MGCP Packet sent --->
S	NTFY 41 aaln/S1/SU0/1@c26001.atl0.cisco.com MGCP 0.1
G	N: mgcp.aSCT1CA.atl0.cisco.com:2427
	X: 50
	O: L/hd
解码	NTFY 41 <i>!--- This is the notify (NTFY) message sent to the call agent to report !--- an observed event. The number 41 is the notify sequence number.</i> aaln/S1/SU0/1@c26001.atl0.cisco.com <i>!--- This is the MGCP endpoint ID. MGCP 0.1 !--- The MGCP version is 0.1. N: mgcp.aSCT1CA.atl0.cisco.com:2427 !--- This is the notified entity ID with destination !--- User Datagram Protocol (UDP) port number. X: 50 !--- The request ID is 50. O: L/hd !--- The observed event (O) off-hook (hd) is detected !--- with use of line package (L).</i>
M	21:50:26: MGCP Packet received <---

S G	200 41 OK
解 码	200 41 OK <i>!--- This receive acknowledgement states that NTFY sequence !--- 41 was executed normally.</i>
M S G	21:50:26: MGCP Packet received <--- RQNT 1825 aaln/S1/SU0/1@c26001.at10.cisco.com MGCP 0.1 N: mgcp.aSCT1CA.at10.cisco.com:2427 X: 50 R: L/hu(N),D/[0-9!--*T](D) S: L/dls
解 码	RQNT 1825 <i>!--- This is the notification request (RQNT) message sent to the call !--- agent to report the observed event. The sequence number is 1825.</i> aaln/S1/SU0/1@c26001.at10.cisco.com <i>!--- This is the MGCP endpoint ID. MGCP 0.1 !--- The MGCP version is 0.1. N: mgcp.aSCT1CA.at10.cisco.com:2427 !--- This is the notified entity ID with destination UDP port number. X: 50 !--- The request ID is 50. R: L/hu(N), !--- The call agent requests (R) to be notified (N) immediately !--- that an on-hook (hu) condition exists. D/[0-9!--*T](D) !--- Additionally, the call agent requests that this !--- residential gateway collect digits 0-9 plus and * until !--- the interdigit timeout (T) expires. S: L/dl !--- The call agent sends a signaling request (S) to have this !--- gateway use the line (L) package !--- and play dial tone (dl) for 16 seconds.</i>
M S G	21:50:26: send_mgcp_msg, MGCP Packet sent ---> 200 1825 OK
解 码	200 1825 OK <i>!--- This sent acknowledgement states that RQNT sequence !--- 1825 was executed normally.</i>
M S G	21:50:41: send_mgcp_msg, MGCP Packet sent ---> NTFY 42 aaln/S1/SU0/1@c26001.at10.cisco.com MGCP 0.1 N: mgcp.aSCT1CA.at10.cisco.com:2427 X: 50 O: D/16783201735
解 码	NTFY 42 <i>!--- The notify message is sent to the call agent to report the observed !--- event. The notify sequence number is 42. aaln/S1/SU0/1@c26001.at10.cisco.com !--- - MGCP endpoint ID. MGCP 0.1 !--- The MGCP version is 0.1. N: mgcp.aSCT1CA.at10.cisco.com:2427 !--- This is the notified entity ID with destination port number. X: 50 !--- Request ID is 50. O: D/16783201735 !--- This residential gateway sends an observed event message !--- that states that it collected the digits (16783201735) which conformed !--- to the digit map.</i>
M S G	21:50:41: MGCP Packet received <--- 200 42 OK
解 码	200 42 OK <i>!--- This receive acknowledgement states that NTFY sequence !--- 42 was executed normally.</i>
M S	21:50:41: MGCP Packet received <--- RQNT 1828 aaln/S1/SU0/1@c26001.at10.cisco.com MGCP

G	0.1 N: mgcp.aSCT1CA.atl0.cisco.com:2427 X: 50 R: L/hu(N)
解码	RQNT 1828 !--- This is the notification request message sent to the call agent !--- to report the observed event. The sequence number is 1828. aaln/S1/SU0/1@c26001.atl0.cisco.com !--- This is the MGCP endpoint ID. MGCP 0.1 !--- The MGCP version is 0.1. N: mgcp.aSCT1CA.atl0.cisco.com:2427 !--- This is the notified entity ID with destination port number. X: 50 !--- Request ID is 50. R: L/hu(N) !--- The call agent requests (R) to be notified (N) immediately !--- that an on-hook (hu) condition exists.
MSG	21:50:41: MGCP Packet received <--- RQNT 1828 aaln/S1/SU0/1@c26001.atl0.cisco.com MGCP 0.1 N: mgcp.aSCT1CA.atl0.cisco.com:2427 X: 50 R: L/hu(N)
解码	RQNT 1828 !--- The notification request message is sent to the call agent !--- to report the observed event. The sequence number is 1828. aaln/S1/SU0/1@c26001.atl0.cisco.com !--- This is the MGCP endpoint ID. MGCP 0.1 !--- The MGCP version is 0.1. N: mgcp.aSCT1CA.atl0.cisco.com:2427 !--- This is the notified entity ID with destination port number. X: 50 !--- The request ID is 50. R: L/hu(N) !--- The call agent requests (R) to be notified (N) immediately !--- that an on-hook (hu) condition exists.
MSG	21:50:41: MGCP Packet received <--- RQNT 1828 aaln/S1/SU0/1@c26001.atl0.cisco.com MGCP 0.1 N: mgcp.aSCT1CA.atl0.cisco.com:2427 X: 50 R: L/hu(N)
解码	RQNT 1828 !--- The notification request message is sent to the call agent to report !--- the observed event. The sequence number is 1828. aaln/S1/SU0/1@c26001.atl0.cisco.com !--- This is the MGCP endpoint ID. MGCP 0.1 !--- The MGCP version is 0.1. N: mgcp.aSCT1CA.atl0.cisco.com:2427 !--- This is the notified entity ID with destination port number. X: 50 !--- The request ID is 50. R: L/hu(N) !--- The call agent requests (R) to be notified (N) immediately !--- that an on-hook (hu) condition exists.
MSG	21:50:41: MGCP Packet received <--- RQNT 1828 aaln/S1/SU0/1@c26001.atl0.cisco.com MGCP 0.1 N: mgcp.aSCT1CA.atl0.cisco.com:2427 X: 50 R: L/hu(N)
解码	RQNT 1828 !--- The notification request message is sent to the call agent to report !--- the observed event. The sequence number is 1828. aaln/S1/SU0/1@c26001.atl0.cisco.com !--- This is the MGCP endpoint ID. MGCP 0.1 !--- The MGCP version is

	<pre>0.1. N: mgcp.aSCT1CA.atl0.cisco.com:2427 !--- This is the notified entity ID with destination port number. X: 50 !--- The request ID is 50. R: L/hu(N) !--- The call agent requests (R) to be notified (N) immediately !--- that an on-hook (hu) condition exists.</pre>
MSG	<pre>21:50:41: send_mgcp_msg, MGCP Packet sent ---> 200 1828 OK</pre>
解码	<pre>200 1828 OK !--- This sent acknowledgement states that RQNT sequence !--- 1828 was executed normally.</pre>

接收忙音的话筒的调试顺序

MSG字段在如下所示的表里是debug mgcp packets命令输出，当电话是摘机时，拨号数位的捕获，然后接收忙音。解码字段提供debug命令生成的MGCP消息的解释。

MSG	<pre>21:55:40: send_mgcp_msg, MGCP Packet sent ---> NTFY 98 aaln/S1/SU0/0@c26002.atl0.cisco.com MGCP 0.1 N: mgcp.aSCT1CA.atl0.cisco.com:2427 X: 53 O: D/16783201733</pre>
解码	<pre>NTFY 98 !--- This is the notify message sent to the call agent to report !--- the observed event. The notify sequence number is 98. aaln/S1/SU0/1@c26002.atl0.cisco.com !--- This is the MGCP endpoint ID. MGCP 0.1 !--- The MGCP version is 0.1. N: mgcp.aSCT1CA.atl0.cisco.com:2427 !--- This is the notified entity ID with destination User Datagram Protocol (UDP) !--- port number. X: 53 !--- Request ID is 53. O: D/16783201733 !--- This residential gateway sends an observed event (O) message !--- that states that it collected the digits (16783201733) which conformed to the !--- digit map.</pre>
MSG	<pre>21:55:40: MGCP Packet received - 200 98 OK</pre>
解码	<pre>200 98 OK !--- This received acknowledgement states that NTFY sequence !--- 98 was executed normally.</pre>
MSG	<pre>21:55:40: MGCP Packet received - RQNT 1845 aaln/S1/SU0/0@c26002.atl0.cisco.com MGCP 0.1 N: mgcp.aSCT1CA.atl0.cisco.com:2427 X: 53 R: L/hu(N)</pre>
解码	<pre>RQNT 1845 !--- This is the notification request message received from !--- the call agent to report the observed event. The sequence number is 1845. aaln/S1/SU0/1@c26002.atl0.cisco.com !--- This is the MGCP endpoint ID. MGCP 0.1 !--- The MGCP version is 0.1. N: mgcp.aSCT1CA.atl0.cisco.com:2427 !--- This is the notified entity ID with destination UDP port number. X: 53 !--- The request ID is 53. R: L/hu(N) !--- The call agent requests (R) to be notified (N)</pre>

	<i>immediately !--- that an on-hook (hu) condition exists.</i>
MSG	21:55:40: send_mgcp_msg, MGCP Packet sent ---> 200 1845 OK
解码	200 1845 OK <i>!--- This sent acknowledgement states that RQNT sequence !--- 1845 was executed normally.</i>
MSG	21:55:40: MGCP Packet received - RQNT 1846 aaln/S1/SU0/0@c26002.atl0.cisco.com MGCP 0.1 N: mgcp.aSCT1CA.atl0.cisco.com:2427 X: 53 R: L/hu(N) S: L/bz
解码	RQNT 1846 <i>!--- This is the notification request message received from the call agent to !--- report the observed event. The sequence number is 1846. aaln/S1/SU0/1@c26002.atl0.cisco.com !--- This is the MGCP endpoint ID. MGCP 0.1 !--- The MGCP version is 0.1. N: mgcp.aSCT1CA.atl0.cisco.com:2427 !--- This is the notified entity ID with destination port number. X: 53 !--- The request ID is 53. R: L/hu(N) !--- The call agent requests (R) to be notified (N) immediately !--- that an on-hook (hu) condition exists. S: L/bz !--- The call agent sends a signaling request (S) to have this gateway !--- use the line (L) package and play busy tone (bz) for 30 seconds.</i>
MSG	21:55:40: send_mgcp_msg, MGCP Packet sent ---> 200 1846 OK
解码	200 1846 OK <i>!--- This sent acknowledgement states that RQNT sequence !--- 1846 was executed normally.</i>

显示产生和终止端的完全网内语音呼叫

当完整电话做并且被切断时，MSG字段在如下所示的两个表里是debug mgcp packets命令输出的捕获。而第二个表表示终止端的前景，第一个表从始发端的角度显示呼叫。解码字段提供debug命令生成的MGCP消息的解释。

始发端

MSG	1d00h: send_mgcp_msg, MGCP Packet sent ---> NTFY 166 aaln/S1/SU0/1@c26001.atl0.cisco.com MGCP 0.1 N: mgcp.aSCT1CA.atl0.cisco.com:2427 X: 50 O: L/hd
解码	NTFY 166 <i>!--- The notify message is sent to the call agent to report the !--- observed event. The notify sequence number is 166. aaln/S1/SU0/1@c26001.atl0.cisco.com !--- This is the MGCP endpoint ID. MGCP 0.1 !--- The MGCP version is 0.1. N: mgcp.aSCT1CA.atl0.cisco.com:2427 !--- This is the notified entity ID with destination port number. X:</i>

	50 !--- The request ID is 50. O: L/hd !--- The observed event (O) off-hook (hd) is detected with use of line (L) !--- package.
M S G	1d00h: MGCP Packet received - 200 166 OK
解 码	200 166 OK !--- This received acknowledgement states that NTFY sequence !--- 166 was executed normally.
M S G	1d00h: MGCP Packet received - RQNT 2877 aaln/S1/SU0/1@c26001.at10.cisco.com MGCP 0.1 N: mgcp.aSCT1CA.at10.cisco.com:2427 X: 50 R: L/hu(N),D/[0-9!--*T](D) S: L/dl
解 码	RQNT 2877 !--- This is the notification request message received from the call agent to !--- report the observed event. The sequence number 2877. aaln/S1/SU0/1@c26001.at10.cisco.com !--- This is the MGCP endpoint ID. MGCP 0.1 !--- The MGCP version is 0.1. N: mgcp.aSCT1CA.at10.cisco.com:2427 !--- This is the notified entity ID with destination port number. X: 50 !--- The request ID (X) is 50. R: L/hu(N), !--- The call agent requests (R) to be notified (N) immediately !--- that an on-hook (hu) condition exists. D/[0-9!--*T](D) !--- Additionally, the call agent requests that this !--- residential gateway collect digits 0-9 plus and * until the !--- interdigit timeout (T) expires. S: L/dl !--- The call agent sends a signaling request (S) to have !--- this gateway use the line (L) package and play !--- dial tone (dl) for 16 seconds.
M S G	1d00h: send_mgcp_msg, MGCP Packet sent ---> 200 2877 OK
解 码	200 2877 OK !--- This sent acknowledgement states that RQNT sequence !--- 2877 was executed normally.
M S G	1d00h: send_mgcp_msg, MGCP Packet sent ---> NTFY 167 aaln/S1/SU0/1@c26001.at10.cisco.com MGCP 0.1 N: mgcp.aSCT1CA.at10.cisco.com:2427 X: 50 O: D/6783201737
解 码	NTFY 167 !--- This is the notify message sent to the call agent to report !--- the observed event. The notify sequence number is 167. aaln/S1/SU0/1@c26001.at10.cisco.com !--- This is the MGCP endpoint ID. MGCP 0.1 !--- The MGCP version is 0.1. N: mgcp.aSCT1CA.at10.cisco.com:2427 !--- This is the notified entity ID with destination port number. X: 50 !--- The request ID is 50. O: D/16783201737 !--- This residential gateway sends an observed event (O) message !--- that states that it collected the digits (16783201737) which conformed to the !--- digit map.
M S	1d00h: MGCP Packet received - 200 167 OK

G	
解 码	<p>200 167 OK</p> <p><i>!--- This received acknowledgement states that NOTIFY sequence !--- 167 was executed normally.</i></p>
M S G	<p>1d00h: MGCP Packet received -</p> <p>RQNT 2878 aaln/S1/SU0/1@c26001.atl0.cisco.com MGCP 0.1</p> <p>N: mgcp.aSCT1CA.atl0.cisco.com:2427</p> <p>X: 50</p> <p>R: L/hu(N)</p>
解 码	<p>RQNT 2878</p> <p><i>!--- This notification request message is sent from the call agent !--- to report the observed event. The sequence number is 2878.</i></p> <p><i>aaln/S1/SU0/1@c26001.atl0.cisco.com !--- This is the MGCP endpoint ID. MGCP 0.1 !--- The MGCP version is 0.1. N: mgcp.aSCT1CA.atl0.cisco.com:2427 !--- This is the notified entity ID with destination port number. X: 50 !--- The request ID (X) is 50. R: L/hu(N) !--- The call agent requests (R) to be notified (N) immediately !--- that an on-hook (hu) condition exists.</i></p>
M S G	<p>1d00h: send_mgcp_msg, MGCP Packet sent ---></p> <p>200 2878 OK</p>
解 码	<p>200 2878 OK</p> <p><i>!--- This sent acknowledgement states that RQNT sequence !--- 2878 was executed normally.</i></p>
M S G	<p>1d00h: MGCP Packet received -</p> <p>CRCX 2879 aaln/S1/SU0/1@c26001.atl0.cisco.com MGCP 0.1</p> <p>N: mgcp.aSCT1CA.atl0.cisco.com:2427</p> <p>C: 64</p> <p>L: p:20, a:PCMU;PCMA;G726-32, e:on, s:on, t:00</p> <p>M: recvonly</p>
解 码	<p>CRCX 2879</p> <p><i>!--- This is the create connection (CRCX) message received from the call agent. !--- The sequence number is 2879. aaln/S1/SU0/1@c26001.atl0.cisco.com !--- This is the MGCP endpoint ID. MGCP 0.1 !--- The MGCP version is 0.1. N: mgcp.aSCT1CA.atl0.cisco.com:2427 !--- This is the notified entity ID with destination port number. C: 64 !--- The call identification number (C) is 64. !--- Note: This is NOT the callerid. L: p:20 !--- This local connection option (L) specifies that the packetization !--- period (p) is 20 milliseconds. a:PCMU;PCMA;G726-32 !--- The compression algorithm (a) options are: u-law pulse code modulation (PCM), !--- a-law PCM, or 32 kbps G.726. e:on, s:on !--- The call agent has set both echo cancellation (e) and silence !--- suppression (s), also known as voice activity detection (VAD), to enable. t:00 !--- The type of service (t) for this call is 0. M: recvonly !--- The connection mode (M) is received only at this point, which allows !--- only ring-back tone.</i></p>
M S G	<p>1d00h: send_mgcp_msg, MGCP Packet sent ---></p> <p>200 2879</p> <p>I: 18</p> <p>v=0</p> <p>c=IN IP4 192.168.25.2</p>

	m=audio 16386 RTP/AVP 0 8
解码	<p>200 2879</p> <p><i>!--- This sent acknowledgement states that CRCX sequence !--- 2879 was executed normally. I: 18 !--- The connection identification number is 18. v=0 !--- The session description protocol (SDP) version is 0. c=IN IP4 192.168.25.2 !--- The connection data (c) field specifies an Internet (IN) IP !--- version 4 address of 192.168.25.2. m=audio 16386 RTP/AVP 0 8 !--- The SDP media description (m) specifies a media type of audio, !--- destination User Datagram Protocol (UDP) port 16386 for voice-bearer traffic, !--- and Real-Time Transport Protocol (RTP) encapsulation using !--- audio video profile (AVP) with RTP payload type of 0 or 8.</i></p>
MSG	<p>1d00h: MGCP Packet received -</p> <p>MDCX 2881 aaln/S1/SU0/1@c26001.atl0.cisco.com MGCP 0.1</p> <p>N: mgcp.aSCT1CA.atl0.cisco.com:2427</p> <p>I: 18</p> <p>C: 64</p> <p>M: recvonly</p> <p>v=0</p> <p>c=IN IP4 192.168.25.6</p> <p>t=0 0</p> <p>m=audio 16388 RTP/AVP 0</p>
解码	<p>MDCX 2881</p> <p><i>!--- This is the modify connection (MDCX) message received from the call agent. !--- The sequence number is 2881. aaln/S1/SU0/1@c26001.atl0.cisco.com !--- This is the MGCP endpoint ID. MGCP 0.1 !--- The MGCP version is 0.1. N: mgcp.aSCT1CA.atl0.cisco.com:2427 !--- This is the notified entity ID with destination port number. I: 18 !--- The connection identification number is 18. C: 64 !--- The call identification number (C) is 64. !--- Note: This is NOT the callerid. M: recvonly !--- The connection mode (M) is received only at this point, which allows !--- only ring-back tone. v=0 !--- The SDP version is 0. c=IN IP4 192.168.25.6 !--- The connection data (c) field specifies an Internet (IN) IP !--- version 4 address of 192.168.25.6. m=audio 16386 RTP/AVP 0 !--- The SDP media description (m) specifies a media type of audio, !--- destination UDP port 16386 for voice-bearer traffic, and RTP !--- encapsulation using AVP with RTP payload type of 0.</i></p>
MSG	<p>1d00h: send_mgcp_msg, MGCP Packet sent ---></p> <p>200 2881 OK</p>
解码	<p>200 2881 OK</p> <p><i>!--- This sent acknowledgement states that MDCX sequence !--- 2881 was executed normally.</i></p>
MSG	<p>1d00h: MGCP Packet received -</p> <p>RQNT 2883 aaln/S1/SU0/1@c26001.atl0.cisco.com MGCP 0.1</p> <p>N: mgcp.aSCT1CA.atl0.cisco.com:2427</p> <p>X: 50</p> <p>R: L/hu(N)</p> <p>S: G/rt</p>
解	<p>RQNT 2883</p> <p><i>!--- The notification request message is sent from</i></p>

码	<p>the call agent !--- to report the observed event. The sequence number is 2883.</p> <p>aaln/S1/SU0/1@c26001.atl0.cisco.com !--- This is the MGCP endpoint ID. MGCP 0.1 !--- The MGCP version is 0.1. N: mgcp.aSCT1CA.atl0.cisco.com:2427 !--- This is the notified entity ID with destination port number.</p> <p>X: 50 !--- The request ID (X) is 50. R: L/hu(N) !--- The call agent requests (R) to be notified (N) immediately !--- that an on-hook (hu) condition exists. S: G/rt !--- The call agent sends a signaling request (S) to have this gateway !--- use the generic (G) package and play the ring-back tone (rt).</p>
MSG	<p>1d00h: send_mgcp_msg, MGCP Packet sent ---> 200 2883 OK</p>
解码	<p>200 2883 OK</p> <p>!--- This sent acknowledgement states that RQNT sequence !--- 2883 was executed normally.</p>
MSG	<p>1d00h: MGCP Packet received - MDCX 2885 aaln/S1/SU0/1@c26001.atl0.cisco.com MGCP 0.1 N: mgcp.aSCT1CA.atl0.cisco.com:2427 I: 18 C: 64 M: sendrecv</p>
解码	<p>MDCX 2885</p> <p>!--- This is the modify connection (MDCX) message received from the call agent. !--- The sequence number is 2885. aaln/S1/SU0/1@c26001.atl0.cisco.com !--- This is the MGCP endpoint ID. MGCP 0.1 !--- The MGCP version is 0.1. N: mgcp.aSCT1CA.atl0.cisco.com:2427 !--- This is the notified entity ID with destination port number. I: 18 !--- The connection identification number is 18. C: 64 !--- The call identification number (C) is 64. !--- Note: This is NOT the callerid. M: sendrecv !--- The connection mode (M) is a two-way send and receive at this point, !--- which allows full conversation.</p>
MSG	<p>1d00h: send_mgcp_msg, MGCP Packet sent ---> 200 2885 OK</p>
解码	<p>200 2885 OK</p> <p>!--- This sent acknowledgement states that MDCX sequence !--- 2885 was executed normally.</p>
MSG	<p>1d00h: MGCP Packet received - RQNT 2886 aaln/S1/SU0/1@c26001.atl0.cisco.com MGCP 0.1 N: mgcp.aSCT1CA.atl0.cisco.com:2427 X: 50 R: L/hu(N),L/hf(N) S:</p>
解码	<p>RQNT 2886</p> <p>!--- The notification request message is sent from the call agent !--- to report the observed event. The sequence number is 2886.</p> <p>aaln/S1/SU0/1@c26001.atl0.cisco.com !--- This is the MGCP endpoint ID. MGCP 0.1 !--- The MGCP version is 0.1. N: mgcp.aSCT1CA.atl0.cisco.com:2427 !--- This is the notified entity ID with destination port number.</p> <p>X: 50 !--- The request ID (X) is 50. R: L/hu(N),L/hf(N) !--- The call agent requests (R) to</p>

	<p><i>be notified (N) immediately !--- that an on-hook (hu) or hook flash (hf) condition exists. S: !--- The call agent sends a signaling request (S) to have this gateway !--- signal nothing, which stops the playout of the ring-back !--- tone (rt).</i></p>
M S G	<p>1d00h: send_mgcp_msg, MGCP Packet sent ---> 200 2886 OK</p>
解 码	<p>200 2886 OK <i>!--- This sent acknowledgement states that RQNT sequence !--- 2886 was executed normally.</i></p>
M S G	<p>1d00h: send_mgcp_msg, MGCP Packet sent ---> NTFY 168 aaln/S1/SU0/1@c26001.atl0.cisco.com MGCP 0.1 N: mgcp.aSCT1CA.atl0.cisco.com:2427 X: 50 O: L/hu</p>
解 码	<p>NTFY 168 <i>!--- The notify (NTFY) message is sent to the call agent to report !--- the observed event. The notify sequence number is 168.</i> aaln/S1/SU0/1@c26001.atl0.cisco.com <i>!--- This is the MGCP endpoint ID. MGCP 0.1 !--- The MGCP version is 0.1. N: mgcp.aSCT1CA.atl0.cisco.com:2427 !--- This is the notified entity ID with destination port number. X: 50 !--- The request ID is 50. O: L/hu !--- This residential gateway sends an observed event (O) that the !--- user went on-hook or hung up (hu).</i></p>
M S G	<p>1d00h: MGCP Packet received - 200 168 OK</p>
解 码	<p>200 168 OK <i>!--- This receive acknowledgement states that NTFY sequence !--- 168 was executed normally.</i></p>
M S G	<p>1d00h: MGCP Packet received - RQNT 2888 aaln/S1/SU0/1@c26001.atl0.cisco.com MGCP 0.1 N: mgcp.aSCT1CA.atl0.cisco.com:2427 X: 50 R: L/hd(N)</p>
解 码	<p>RQNT 2888 <i>!--- The notification request message is sent from the call agent !--- to report the observed event. The sequence number is 2888.</i> aaln/S1/SU0/1@c26001.atl0.cisco.com <i>!--- This is the MGCP endpoint ID. MGCP 0.1 !--- The MGCP version is 0.1. N: mgcp.aSCT1CA.atl0.cisco.com:2427 !--- This is the notified entity ID with destination port number. X: 50 !--- The request ID is 50. R: L/hd(N) !--- The call agent requests (R) to be notified (N) immediately !--- that an off-hook (hd) condition exists.</i></p>
M S G	<p>1d00h: send_mgcp_msg, MGCP Packet sent ---> 200 2888 OK</p>
解 码	<p>200 2888 OK <i>!--- This sent acknowledgement states that RQNT sequence !--- 2888 was executed normally.</i></p>
M S	<p>1d00h: MGCP Packet received - DLCX 2890 aaln/S1/SU0/1@c26001.atl0.cisco.com MGCP 0.1</p>

G	I: 18 C: 64
解码	DLCX 2890 <i>!--- The deleted connection (DLCX) message is received from the call agent. !--- The sequence number is 2890. aaln/S1/SU0/1@c26001.atl0.cisco.com !--- This is the MGCP endpoint ID. MGCP 0.1 !--- The MGCP version is 0.1. I: 18 !--- The connection identification number is 18. C: 64 !--- The call identification number (C) is 64. !--- Note: This is NOT the callerid.</i>
M S G	1d00h: send_mgcp_msg, MGCP Packet sent ---> 250 2890 P: PS=305, OS=47685, PR=501, OR=79722, PL=4, JI=288, LA=3
解码	250 2890 <i>!--- This sent acknowledgement states that the connection was deleted. !--- The DLCX sequence number is 2890. P: PS=305, !--- The connection parameters (P) give call statistics. !--- The number of packets sent (PS) is 305. OS=47685, !--- The number of octets sent (OS) is 47685. PR=501, !--- The number of packets received (PR) is 501. OR=79722, !--- The number of octets received (OR) is 79722. PL=4, !--- The number of packets lost (PL) is 4. JI=288, !--- The jitter (JI) is 288 milliseconds. LA=3 !--- The latency (LA) is 3 milliseconds.</i>

终止端

M S G	1d00h: MGCP Packet received - CRCX 2899 aaln/S1/SU0/1@c26001.atl0.cisco.com MGCP 0.1 N: mgcp.aSCT1CA.atl0.cisco.com:2427 C: 65 L: p:20, a:PCMU;PCMA, e:on, s:on, t:00, nt:IN M: sendrecv v=0 c=IN IP4 192.168.25.6 t=0 0 m=audio 16384 RTP/AVP 0 8
解码	CRCX 2899 <i>!--- The create connection (CRCX) message is received from the call agent. !--- The sequence number is 2899. aaln/S1/SU0/1@c26001.atl0.cisco.com !--- This is the MGCP endpoint ID. MGCP 0.1 !--- The MGCP version is 0.1. N: mgcp.aSCT1CA.atl0.cisco.com:2427 !--- This is the notified entity ID with destination port number. C: 65 !--- The call identification number (C) is 65. !--- Note: This is NOT the callerid. L: p:20 !--- This local connection option (L) specifies that the packetization !--- period (p) is 20 milliseconds. a:PCMU;PCMA !--- The compression algorithm (a) options are: u-law pulse code modulation (PCM) !--- or a-law PCM. e:on, s:on !--- The call agent has set both echo cancellation (e) and silence !--- suppression (s), also known as VAD, to enabled. t:00 !--- The type of service (t) for this call is 0. nt:IN !--- The type of network (nt) is Internet (IN). M: sendrecv !--- The connection mode (M) is a two-way send and receive at this point, !--- which allows full conversation. v=0 !--- The SDP</i>

	<pre>version is 0. c=IN IP4 192.168.25.6 !--- The connection data (c) field specifies an Internet (IN) IP version !--- 4 address of 192.168.25.6. t=0 0 !--- The (t) represents the start (0) and stop (0) times for this call !--- instance. When both start and stop are 0, the call is considered permanent. m=audio 16384 RTP/AVP 0 8 !--- The SDP media description (m) specifies a media type of audio, !--- destination User Datagram Protocol (UDP) port 16384 for voice- bearer traffic, !--- and Real-Time Transport Protocol (RTP) encapsulation using !--- audio video profile (AVP) with RTP payload type of 0 or 8.</pre>
MSG	<pre>1d00h: send_mgcp_msg, MGCP Packet sent ---> 200 2899 I: 19 v=0 c=IN IP4 192.168.25.2 m=audio 16386 RTP/AVP 0</pre>
解码	<pre>200 2899 !--- This sent acknowledgement states that CRCX sequence !--- 2899 was executed normally. I: 19 !--- The connection identification number is 19. v=0 !--- The session description protocol (SDP) version is 0. c=IN IP4 192.168.25.2 !--- The connection data (c) field specifies an Internet (IN) IP !--- version 4 address of 192.168.25.2. m=audio 16386 RTP/AVP 0 !--- The SDP media description (m) specifies a media type of audio, !--- destination UDP port 16386 for voice- bearer traffic, and RTP !--- encapsulation using AVP with RTP payload type of 0.</pre>
MSG	<pre>1d00h: MGCP Packet received - RQNT 2901 aaln/S1/SU0/1@c26001.atl0.cisco.com MGCP 0.1 N: mgcp.aSCT1CA.atl0.cisco.com:2427 X: 50 R: L/hd(N) S: L/rg</pre>
解码	<pre>RQNT 2901 !--- This is the notification request message sent from the call agent to report !--- the observed event. The sequence number is 2901. aaln/S1/SU0/1@c26001.atl0.cisco.com !--- This is the MGCP endpoint ID. MGCP 0.1 !--- The MGCP version is 0.1. N: mgcp.aSCT1CA.atl0.cisco.com:2427 !--- This is the notified entity ID with destination port number. X: 50 !--- The request ID is 50. R: L/hd(N) !--- The call agent requests (R) to be notified (N) immediately !--- that an off-hook (hd) condition exists. S: L/rg !--- The call agent sends a signaling request (S) to have this gateway !--- use the generic (L) package and generate a ringing tone (rg).</pre>
MSG	<pre>1d00h: send_mgcp_msg, MGCP Packet sent ---> 200 2901 OK</pre>
解码	<pre>200 2901 OK !--- This sent acknowledgement states that RQNT sequence !--- 2901 was executed normally.</pre>
MSG	<pre>1d00h: send_mgcp_msg, MGCP Packet sent ---> NTFY 169 aaln/S1/SU0/1@c26001.atl0.cisco.com MGCP 0.1 N: mgcp.aSCT1CA.atl0.cisco.com:2427 X: 50 O: L/hd</pre>

解码	<p>NTFY 169</p> <p><i>!--- This is the notify message sent to the call agent to report !--- the observed event. The notify sequence number is 169.</i></p> <p><i>aaln/S1/SU0/1@c26001.at10.cisco.com !--- This is the MGCP endpoint ID. MGCP 0.1 !--- The MGCP version is 0.1. N: mgcp.aSCT1CA.at10.cisco.com:2427 !--- This is the notified entity ID with destination port number. X: 50 !--- The request ID is 50. O: L/hd !--- Observed event (O) off-hook (hd) is detected with use of !--- line (L) package.</i></p>
MSG	<p>1d00h: MGCP Packet received -</p> <p>200 169 OK</p>
解码	<p>200 169 OK</p> <p><i>!--- This received acknowledgement states that NTFY sequence !--- 169 was executed normally.</i></p>
MSG	<p>1d00h: MGCP Packet received -</p> <p>RQNT 2903 aaln/S1/SU0/1@c26001.at10.cisco.com MGCP 0.1</p> <p>N: mgcp.aSCT1CA.at10.cisco.com:2427</p> <p>X: 50</p> <p>R: L/hu(N),L/hf(N)</p>
解码	<p>RQNT 2903</p> <p><i>!--- This is the notification request message sent from the call agent to report !--- the observed event. The sequence number is 2886.</i></p> <p><i>aaln/S1/SU0/1@c26001.at10.cisco.com !--- This is the MGCP endpoint ID. MGCP 0.1 !--- The MGCP version is 0.1. N: mgcp.aSCT1CA.at10.cisco.com:2427 !--- This is the notified entity ID with destination port number. X: 50 !--- The request ID (X) is 50. R: L/hu(N),L/hf(N) !--- The call agent requests (R) to be notified (N) immediately !--- that an on-hook (hu) or hook flash (hf) condition exists.</i></p>
MSG	<p>1d00h: send_mgcp_msg, MGCP Packet sent ---></p> <p>200 2903 OK</p>
解码	<p>200 2903 OK</p> <p><i>!--- This sent acknowledgement states that RQNT sequence !--- 2903 was executed normally.</i></p>
MSG	<p>1d00h: send_mgcp_msg, MGCP Packet sent ---></p> <p>NTFY 170 aaln/S1/SU0/1@c26001.at10.cisco.com MGCP 0.1</p> <p>N: mgcp.aSCT1CA.at10.cisco.com:2427</p> <p>X: 50</p> <p>O: L/hu</p>
解码	<p>NTFY 170</p> <p><i>!--- The notify message is sent to the call agent to report the observed !--- event. The notify sequence number is 170. aaln/S1/SU0/1@c26001.at10.cisco.com !--- This is the MGCP endpoint ID. MGCP 0.1 !--- The MGCP version is 0.1. N: mgcp.aSCT1CA.at10.cisco.com:2427 !--- This is the notified entity ID with destination port number. X: 50 !--- The request ID is 50. O: L/hu !--- This residential gateway sends an observed event (O) that the !--- user went on-hook or hung up (hu).</i></p>
MSG	<p>1d00h: MGCP Packet received -</p> <p>200 170 OK</p>

解码	200 170 OK <i>!--- This received acknowledgement states that NTFY sequence !--- 170 was executed normally.</i>
MSG	1d00h: MGCP Packet received - RQNT 2906 aaln/S1/SU0/1@c26001.at10.cisco.com MGCP 0.1 N: mgcp.aSCT1CA.at10.cisco.com:2427 X: 50 R: L/hd(N)
解码	RQNT 2906 <i>!--- The notification request message is sent from the call agent to !--- report the observed event. The sequence number is 2906.</i> aaln/S1/SU0/1@c26001.at10.cisco.com <i>!--- This is the MGCP endpoint ID. MGCP 0.1 !--- The MGCP version is 0.1. N: mgcp.aSCT1CA.at10.cisco.com:2427 !--- This is the notified entity ID with destination port number. X: 50 !--- The request ID is 50. R: L/hd(N) !--- The call agent requests (R) to be notified (N) !--- immediately that an off-hook (hd) condition exists.</i>
MSG	1d00h: send_mgcp_msg, MGCP Packet sent ---> 200 2906 OK
解码	200 2906 OK <i>!--- This sent acknowledgement states that RQNT sequence !--- 2906 was executed normally.</i>
MSG	1d00h: MGCP Packet received - DLCX 2907 aaln/S1/SU0/1@c26001.at10.cisco.com MGCP 0.1 I: 19 C: 65
解码	DLCX 2907 <i>!--- The delete connection (DLCX) message is received from the call agent. !--- The sequence number is 2907. aaln/S1/SU0/1@c26001.at10.cisco.com !--- This is the MGCP endpoint ID. MGCP 0.1 !--- The MGCP version is 0.1. I: 19 !--- The connection identification number is 19. C: 65 !--- The call identification number (C) is 65. !--- Note: This is NOT the callerid.</i>
MSG	1d00h: send_mgcp_msg, MGCP Packet sent ---> 250 2907 P: PS=334, OS=52843, PR=293, OR=46601, PL=0, JI=512, LA=3
解码	250 2907 <i>!--- This sent acknowledgement states that the connection was deleted. !--- The DLCX sequence number is 2907. P: PS=334, !--- The connection parameters (P) provide call statistics. !--- The packets sent (PS) is 334. OS=52843, !--- The octets sent (OS) is 52843. PR=293, !--- The packets received (PR) is 293. OR=46601, !--- The octets received (OR) is 46601. PL=0, !--- The packets lost (PL) is 0. JI=512, !--- The jitter (JI) is 512 milliseconds. LA=3 !--- The latency (LA) is 3 milliseconds.</i>

一个在三方之间的完整呼叫等待顺序

当呼叫等待发信号到一个网关终点由呼叫代理时，MSG字段在如下所示的两个表里是debug mgcp

packets命令输出的捕获。第一个表显示终端aaln/S1/SU0/0@opt0-2611-1.ss.cisco.com做电话对472-0002，在呼叫期间，在同一住宅网关终止，并且接收呼叫等待征兆。第二个表显示终端aaln/S1/SU0/1@opt0-2611-2.ss.cisco.com，查找在另一住宅网关，发出启动呼叫等待征兆对aaln/S1/SU0/0@opt0-2611-1.ss.cisco.com呼叫。解码字段提供debug命令生成的MGCP消息的解释。

MSG	send_mgcp_msg, MGCP Packet sent ---> NTFY 171 aaln/S1/SU0/0@opt0-2611-1.ss.cisco.com MGCP 0.1 N: mgcp.ss-rtp-opt0CA.ss.cisco.com:2427 X: 5 O: L/hd
解码	NTFY 171!--- This is the notify message sent to the call agent to report the observed event. !--- The notify sequence number is 171. aaln/S1/SU0/0@opt0-2611-1.ss.cisco.com !--- This is the MGCP endpoint ID. MGCP 0.1 !--- The MGCP version is 0.1. N: mgcp.ss-rtp-opt0CA.ss.cisco.com:2427 !--- This is the notified entity ID with destination port number. X: 5 !--- The request ID is 5. O: L/hd !--- The observed event (O) off-hook (hd) is detected with use of !--- line (L) package.
MSG	MGCP Packet received - 200 171 OK
解码	200 171 OK !--- The received acknowledgement states that NTFY sequence !--- 171 was executed normally.
MSG	MGCP Packet received - RQNT 23 aaln/S1/SU0/0@opt0-2611-1.ss.cisco.com MGCP 0.1 N: mgcp.ss-rtp-opt0CA.ss.cisco.com:2427 X: 5 R: L/hu(N),D/[0-9!--*T](D) S: L/dl
解码	RQNT 23 !--- The notification request message is sent from the call agent to !--- report the observed event. The sequence number is 23. aaln/S1/SU0/0@opt0-2611-1.ss.cisco.com !--- This is the MGCP endpoint ID. MGCP 0.1 !--- The MGCP version is 0.1. N: mgcp.ss-rtp-opt0CA.ss.cisco.com:2427 !--- This is the notified entity ID with destination port number. X: 5 !--- The request ID is 5. R: L/hu(N),D/[0-9!--*T](D) !--- The call agent requests (R) to be notified (N) immediately !--- that an on-hook (hu) condition exits and evaluates the digits received !--- with use of the digit map ((D)) and the dual tone multifrequency (DTMF) (D/) !--- package. S: L/dl !--- The call agent sends a signaling request (S) to have this !--- gateway use the line (L) package and play dial tone (dl) !--- for 16 seconds to endpoint aaln/S1/SU0/0@opt0-2611-1.ss.cisco.com.
MSG	send_mgcp_msg, MGCP Packet sent ---> 200 23 OK
解码	200 2906 OK !--- This sent acknowledgement states that RQNT sequence !--- 2906 was executed normally.
M	send_mgcp_msg, MGCP Packet sent ---> NTFY 172 aaln/S1/SU0/0@opt0-2611-1.ss.cisco.com MGCP

S G	0.1 N: mgcp.ss-rtp-opt0CA.ss.cisco.com:2427 X: 5 O: D/4720002
解 码	NTFY 172 <i>!--- This is the notify message sent to the call agent to report !--- the observed event. The notify sequence number is 172. aaln/S1/SU0/0@opt0-2611-1.ss.cisco.com !--- This is the MGCP endpoint ID. MGCP 0.1 !--- The MGCP version is 0.1. N: mgcp.ss-rtp-opt0CA.ss.cisco.com:2427 !--- This is the notified entity ID with destination port number. X: 5 !--- The request ID is 5. O: D/4720002 !--- The observed event (O) dialed digits (472-0002) is detected !--- with use of the DTMF (D) package.</i>
M S G	MGCP Packet received - 200 172 OK
解 码	200 172 OK <i>!--- This received acknowledgement states that NTFY sequence !--- 172 was executed normally.</i>
M S G	MGCP Packet received - RQNT 24 aaln/S1/SU0/0@opt0-2611-1.ss.cisco.com MGCP 0.1 N: mgcp.ss-rtp-opt0CA.ss.cisco.com:2427 X: 5 R: L/hu(N)
解 码	RQNT 24 <i>!--- This is the notification request message sent from the call agent to !--- report the observed event. The sequence number is 24. aaln/S1/SU0/0@opt0-2611-1.ss.cisco.com !--- This is the MGCP endpoint ID. MGCP 0.1 !--- The MGCP version is 0.1. N: mgcp.ss-rtp-opt0CA.ss.cisco.com:2427 !--- This is the notified entity ID with destination port number. X: 5 !--- The request ID is 5. R: L/hu(N) !--- The call agent requests (R) to be notified (N) !--- immediately that an on-hook (hu) event occurs.</i>
M S G	send_mgcp_msg, MGCP Packet sent ---> 200 24 OK
解 码	200 24 OK <i>!--- This sent acknowledgement states that RQNT sequence !--- 24 was executed normally.</i>
M S G	MGCP Packet received - CRCX 25 aaln/S1/SU0/0@opt0-2611-1.ss.cisco.com MGCP 0.1 N: mgcp.ss-rtp-opt0CA.ss.cisco.com:2427 C: 2 L: p:10-20, a:PCMU;PCMA;G726-32, e:off, s:off, t:a0 M: recvonly
解 码	CRCX 25 <i>!--- This is the create connection (CRCX) message received from the call agent. !--- The sequence number is 25. aaln/S1/SU0/0@opt0-2611-1.ss.cisco.com !--- This is the MGCP endpoint ID. !--- Note: This is the calling party. MGCP 0.1 !--- The MGCP version is 0.1. N: mgcp.ss-rtp-opt0CA.ss.cisco.com:2427 !--- This is the notified entity ID with destination port number. C: 2 !--- The call identification number (C) is 2. !--- Note: This is NOT the callerid. L: p:10-20</i>

	<pre>!--- This local connection option (L) requests a packetization !--- period (p) of 10 or 20 milliseconds. a:PCMU;PCMA;G726-32, !--- The compression algorithm (a) options are: u-law pulse code modulation (PCM), !--- a-law PCM, or 32 kbps G.726. e:off, s:off, !--- The call agent has set both echo cancellation (e) and !--- silence suppression (s), also known as voice activity detection (VAD), !- -- to disabled. t:a0 !--- The IP header type of service (t) byte for this call is !--- hexadecimal a0, which indicates IP precedence of 5 and minimized delay. M: recvonly !--- The connection mode (M) is a one-way receive at this !--- point until the called party answers.</pre>
MSG	<pre>send_mgcp_msg, MGCP Packet sent ---> 200 25 I: 1D v=0 o=- 2 0 IN IP4 13.200.2.6 s=Cisco SDP 0 c=IN IP4 13.200.2.6 t=0 0 m=audio 16386 RTP/AVP 0 8</pre>
解码	<pre>200 25 !--- This sent acknowledgement states that CRCX sequence !--- 25 was executed normally. I: 1D !--- The connection identification number is 1D. !--- Note: This is for the calling leg. v=0 !--- The SDP version is 0. o=- 2 0 IN IP4 13.200.2.6 !--- The origin (o) field indicates that no user IDs are used via (-). !--- The session ID is 2 and the version of this announcement is 0. !--- An Internet (IN) IP version 4 source address of 13.200.2.6 !--- is also specified. s=Cisco SDP 0 !--- The session name (s) is "Cisco SDP 0". c=IN IP4 13.200.2.6 !--- The connection data (c) field specifies an Internet (IN) IP !--- version 4 source address of 13.200.2.6. t=0 0 !--- The (t) represents the start (0) and stop (0) times !--- for this call instance. !--- When both start and stop are 0, the call is considered permanent. m=audio 16386 RTP/AVP 0 8 !--- This SDP media description (m) specifies a media type of audio, !--- destination User Datagram Protocol (UDP) port 16386 for voice-bearer traffic, !--- and Real- Time Transport Protocol (RTP) encapsulation using !-- - audio video profile (AVP) with RTP payload type of 0 or 8.</pre>
MSG	<pre>MGCP Packet received - CRCX 26 aaln/S1/SU0/1@opt0-2611-1.ss.cisco.com MGCP 0.1 N: mgcp.ss-rtp-opt0CA.ss.cisco.com:2427 C: 2 L: p:10-20, a:PCMU;PCMA, e:off, s:off, t:a0, nt:IN M: sendrecv v=0 o=- 2 0 IN IP4 13.200.2.6 s=Cisco SDP 0 c=IN IP4 13.200.2.6 t=0 0 m=audio 16386 RTP/AVP 0 8</pre>
解码	<pre>CRCX 26 !--- The create connection (CRCX) message is received from the call agent. !--- The sequence number is 26.</pre>

aaln/S1/SU0/1@opt0-2611-1.ss.cisco.com !--- This is the MGCP endpoint ID. !--- **Note:** This is the called party. MGCP 0.1 !--- The MGCP version is 0.1. N: mgcp.ss-rtp-opt0CA.ss.cisco.com:2427 !--- This is the notified entity ID with destination port number. C: 2 !--- The call identification number (C) is 2. !--- **Note:** This is NOT the callerid. L: p:10-20 !--- This local connection option (L) requests a packetization !--- period (p) of 10 or 20 milliseconds. a:PCMU;PCMA, !--- The compression algorithm (a) options are: u-law PCM or a-law PCM. e:off, s:off, !--- The call agent has set both echo cancellation (e) and !--- silence suppression (s), also known as VAD, to disabled. t:a0 !--- The IP header type of service (t) byte for this call !--- is hexadecimal a0, which indicates IP precedence !--- of 5 and minimized delay. M: sendrecv !--- The connection mode (M) is a two-way send and receive at !--- this point, which allows full conversation. v=0 !--- The SDP version is 0. o=- 2 0 IN IP4 13.200.2.6 !--- The origin (o) field indicates that no user IDs are used via (-). !--- The session ID is 2 and the version of this announcement is 0. !--- The Internet (IN) IP version 4 source address of 13.200.2.6 !--- is also specified. s=Cisco SDP 0 !--- The session name (s) is "Cisco SDP 0". c=IN IP4 13.200.2.6 !--- The connection data (c) field specifies an Internet (IN) !--- IP version 4 source address of 13.200.2.6. t=0 0 !--- The (t) represents the start (0) and stop (0) times !--- for this call instance. When both start and stop are 0, !--- the call is considered permanent. m=audio 16386 RTP/AVP 0 8 !--- The SDP media description (m) specifies a media type !--- of audio, destination UDP port 16386 for voice-bearer !--- traffic, and RTP encapsulation using AVP with !--- RTP payload type of 0 or 8.

M
S
G

send_mgcp_msg, MGCP Packet sent --->
200 26
I: 1E
v=0
o=- 2 0 IN IP4 13.200.2.6
s=Cisco SDP 0
c=IN IP4 13.200.2.6
t=0 0
m=audio 16388 RTP/AVP 0

解
码

200 26
!--- This sent acknowledgement states that CRCX sequence !--- 26 was executed normally. I: 1E !--- The connection identification number is 1E. !--- **Note:** This is for the called leg. v=0 !--- The SDP version is 0. o=- 2 0 IN IP4 13.200.2.6 !--- The origin (o) field indicates that no user IDs are used via (-). !--- The session ID is 2 and the version of this announcement is 0. !--- An Internet (IN) IP version 4 source address of 13.200.2.6 !--- is also specified. s=Cisco SDP 0 !--- The session name (s) is "Cisco SDP 0". c=IN IP4 13.200.2.6 !--- The connection data (c) field specifies an Internet (IN) IP version !--- 4 source address of 13.200.2.6. t=0 0 !--- The (t) represents the start (0) and stop (0) times for !--- this call instance. When both start and stop are 0, !--- the call is considered permanent. m=audio 16388 RTP/AVP 0 8 !--- The SDP

	<p><i>media description (m) specifies a media !--- type of audio, destination UDP port 16388 for !--- voice-bearer traffic, and RTP encapsulation using !--- AVP with RTP payload type of 0 or 8.</i></p>
M S G	<p>MGCP Packet received - MDCX 27 aaln/S1/SU0/0@opt0-2611-1.ss.cisco.com MGCP 0.1 N: mgcp.ss-rtp-opt0CA.ss.cisco.com:2427 I: 1D C: 2 M: recvonly v=0 o=- 2 0 IN IP4 13.200.2.6 s=Cisco SDP 0 c=IN IP4 13.200.2.6 t=0 0 m=audio 16388 RTP/AVP 0</p>
解 码	<p>MDCX 27 <i>!--- This is the modify connection (MDCX) message received from the call agent. !--- The sequence number is 27. aaln/S1/SU0/0@opt0-2611-1.ss.cisco.com !--- This is the MGCP endpoint ID. !--- Note: This is the called party. MGCP 0.1 !--- The MGCP version is 0.1. N: mgcp.ss-rtp-opt0CA.ss.cisco.com:2427 !--- This is the notified entity ID with destination port number. I: 1D !--- The connection identification number is 1D. !--- Note: This is for the calling leg. C: 2 !--- The call identification number (C) is 2. !--- Note: This is NOT the callerid. M: recvonly !--- The connection mode (M) is a one-way receive at this point until !--- the called party answers. v=0 !--- The SDP version is 0. o=- 2 0 IN IP4 13.200.2.6 !--- The origin (o) field indicates that no user IDs are used via (-). !--- The session ID is 2 and the version of this announcement is 0. !--- An Internet (IN) IP version 4 destination address of 13.200.2.6 !--- is also specified. s=Cisco SDP 0 !--- The session name (s) is "Cisco SDP 0". c=IN IP4 13.200.2.6 !--- The connection data (c) field specifies an Internet (IN) IP !--- version 4 destination address of 13.200.2.6. t=0 0 !--- The (t) represents the start (0) and stop (0) times for !--- this call instance. When both start and stop are 0, !--- the call is considered permanent. m=audio 16388 RTP/AVP 0 !--- The SDP media description (m) specifies a media type of audio, !--- destination UDP port 16388 for voice-bearer traffic, and !--- RTP encapsulation using AVP with RTP payload type of 0.</i></p>
M S G	<p>send_mgcp_msg, MGCP Packet sent ---> 200 27 OK</p>
解 码	<p>200 27 OK <i>!--- This sent acknowledgement states that MDCX sequence !--- 27 was executed normally.</i></p>
M S G	<p>MGCP Packet received - RQNT 28 aaln/S1/SU0/1@opt0-2611-1.ss.cisco.com MGCP 0.1 N: mgcp.ss-rtp-opt0CA.ss.cisco.com:2427 X: 6 R: L/hd(N) S: L/rg</p>
解	<p>RQNT 28</p>

码	<pre>!--- This is the notification request message sent from !--- the call agent to report the observed event. !--- The sequence number is 28. aaln/S1/SU0/1@opt0-2611-1.ss.cisco.com !--- This is the MGCP endpoint ID. MGCP 0.1 !--- The MGCP version is 0.1. N: mgcp.ss-rtp-opt0CA.ss.cisco.com:2427 !--- This is the notified entity ID with destination port number. X: 6 !--- The request ID is 6. R: L/hd(N) !-- - The call agent requests (R) to be notified (N) !--- immediately that an off-hook (hd) condition exists. S: L/rg !--- The call agent sends a signaling request (S) to have this !--- gateway use the line (L) package and generate a ringing tone (rg).</pre>
MSG	<pre>send_mgcp_msg, MGCP Packet sent ---> 200 28 OK</pre>
解码	<pre>200 28 OK !--- This sent acknowledgement states that RQNT sequence !--- 28 was executed normally.</pre>
MSG	<pre>MGCP Packet received - RQNT 29 aaln/S1/SU0/0@opt0-2611-1.ss.cisco.com MGCP 0.1 N: mgcp.ss-rtp-opt0CA.ss.cisco.com:2427 X: 5 R: L/hu(N) S: G/rt</pre>
解码	<pre>RQNT 29 !--- This is the notification request message sent from the call agent to !--- report the observed event. The sequence number is 29. aaln/S1/SU0/0@opt0- 2611-1.ss.cisco.com !--- This is the MGCP endpoint ID. MGCP 0.1 !--- The MGCP version is 0.1. N: mgcp.ss-rtp-opt0CA.ss.cisco.com:2427 !--- This is the notified entity ID with destination port number. X: 5 !--- The request ID is 5. R: L/hu(N) !--- The call agent requests (R) to be notified (N) immediately !-- - that an on-hook (hu) condition exists. S: G/rt !--- The call agent sends a signaling request (S) to have !--- this gateway use the generic (G) package and generate a !--- ring-back tone.</pre>
MSG	<pre>send_mgcp_msg, MGCP Packet sent ---> 200 29 OK</pre>
解码	<pre>200 29 OK !--- This sent acknowledgement states that RQNT sequence !--- 29 was executed normally.</pre>
MSG	<pre>send_mgcp_msg, MGCP Packet sent ---> NTFY 173 aaln/S1/SU0/1@opt0-2611-1.ss.cisco.com MGCP 0.1 N: mgcp.ss-rtp-opt0CA.ss.cisco.com:2427 X: 6 O: L/hd</pre>
解码	<pre>NTFY 173 !--- This is the notify message sent to the call agent to report !--- the observed event. The notify sequence number is 173. aaln/S1/SU0/1@opt0-2611- 1.ss.cisco.com !--- This is the MGCP endpoint ID. MGCP 0.1 !--- The MGCP version is 0.1. N: mgcp.ss- rtp-opt0CA.ss.cisco.com:2427 !--- This is the notified entity ID with destination port number. X: 6 !--- The request ID is 6. O: L/hd !--- The observed</pre>

	<i>(O) event off-hook (hd) is detected with use of !--- line (L) package.</i>
MSG	MGCP Packet received - 200 173 OK
解码	200 173 OK <i>!--- This received acknowledgement states that NTFY sequence !--- 173 was executed normally.</i>
MSG	MGCP Packet received - MDCX 31 aaln/S1/SU0/0@opt0-2611-1.ss.cisco.com MGCP 0.1 N: mgcp.ss-rtp-opt0CA.ss.cisco.com:2427 I: 1D C: 2 M: sendrecv
解码	MDCX 27 <i>!--- This is the modify connection (MDCX) message received from the call agent. !--- The sequence number is 27. aaln/S1/SU0/0@opt0-2611-1.ss.cisco.com !--- This is the MGCP endpoint ID. !--- Note: This is the calling party. MGCP 0.1 !--- The MGCP version is 0.1. N: mgcp.ss-rtp-opt0CA.ss.cisco.com:2427 !--- This is the notified entity ID with destination port number. I: 1D !--- The connection identification number is 1D. !--- Note: This is for the calling leg. C: 2 !--- The call identification number (C) is 2. !--- Note: This is NOT the callerid. M: sendrecv !--- The connection mode (M) is a two-way send and receive at this point, !--- which allows full conversation.</i>
MSG	send_mgcp_msg, MGCP Packet sent ---> 200 31 OK
解码	200 31 OK <i>!--- This sent acknowledgement states that MDCX sequence !--- 31 was executed normally.</i>
MSG	MGCP Packet received - RQNT 32 aaln/S1/SU0/0@opt0-2611-1.ss.cisco.com MGCP 0.1 N: mgcp.ss-rtp-opt0CA.ss.cisco.com:2427 X: 5 R: L/hu(N),L/hf(N) S:
解码	RQNT 32 <i>!--- This is the notification request message sent from the call agent to !--- report the observed event. The sequence number is 32. aaln/S1/SU0/0@opt0-2611-1.ss.cisco.com !--- This is the MGCP endpoint ID. MGCP 0.1 !--- The MGCP version is 0.1. N: mgcp.ss-rtp-opt0CA.ss.cisco.com:2427 !--- This is the notified entity ID with destination port number. X: 5 !--- The request ID (X) is 5. R: L/hu(N),L/hf(N) !--- The call agent requests (R) to be notified (N) immediately !--- that an on-hook (hu) or hook flash (hf) condition exists. S: !--- The call agent sends a signaling request (S) to have this !--- gateway signal nothing, thereby stopping the !--- playout of the ring-back tone (rt).</i>
MSG	send_mgcp_msg, MGCP Packet sent ---> 200 32 OK

解 码	<pre>200 32 OK !--- This sent acknowledgement states that RQNT sequence !--- 32 was executed normally.</pre>
M S G	<pre>MGCP Packet received - CRCX 36 aaln/S1/SU0/0@opt0-2611-1.ss.cisco.com MGCP 0.1 N: mgcp.ss-rtp-opt0CA.ss.cisco.com:2427 C: 3 L: p:10-20, a:PCMU;PCMA, e:off, s:off, t:a0, nt:IN M: inactive v=0 o=- 3 0 IN IP4 13.200.2.7 s=Cisco SDP 0 c=IN IP4 13.200.2.7 t=0 0 m=audio 16388 RTP/AVP 0 8</pre>
解 码	<pre>CRCX 36 !--- The create connection (CRCX) message is received from the call agent. !--- The sequence number is 26. !--- This is a new call coming from another endpoint. aaln/S1/SU0/0@opt0-2611-1.ss.cisco.com !--- This is the MGCP endpoint ID. !--- Note: This is the called party. MGCP 0.1 !--- The MGCP version is 0.1. N: mgcp.ss-rtp-opt0CA.ss.cisco.com:2427 !--- This is the notified entity ID with destination port number. C: 3 !--- The call identification number (C) is 3. !--- Note: This is NOT the callerid. !--- This is a new incoming call. L: p:10-20 !--- This local connection option (L) requests a packetization !--- period (p) of 10 or 20 milliseconds. a:PCMU;PCMA, !--- The compression algorithm (a) options are: u-law PCM or a-law PCM. e:off, s:off, !--- The call agent has set both echo cancellation (e) and !--- silence suppression (s), also known as VAD, to disabled. t:a0 !--- The IP header type of service (t) byte for this call is !--- hexadecimal a0, which indicates IP precedence of 5 and !--- minimized delay. M: inactive !--- The connection mode (M) is inactive, which tells the gateway to !--- neither send nor receive packets on this connection. v=0 !--- The SDP version is 0. o=- 3 0 IN IP4 13.200.2.7 !--- The origin (o) field indicates that no user ids are used via (-). !--- The session ID is 3 and the version of this announcement is 0. !--- An Internet (IN) IP version 4 destination address !--- of 13.200.2.7 is also specified. s=Cisco SDP 0 !--- The session name (s) is "Cisco SDP 0". c=IN IP4 13.200.2.7 !--- The connection data (c) field specifies an Internet (IN) !--- IP version 4 destination address of 13.200.2.7. t=0 0 !--- The (t) represents the start (0) and stop (0) times for this !--- call instance. When both start and stop are 0, the call !--- is considered permanent. m=audio 16388 RTP/AVP 0 8 !--- The SDP media description (m) specifies a media type of audio, !--- destination UDP port 16388 for voice-bearer traffic, !--- and RTP encapsulation using AVP !--- with RTP payload type of 0 or 8.</pre>
M S G	<pre>send_mgcp_msg, MGCP Packet sent ---> 200 36 I: 1F v=0 o=- 2 0 IN IP4 13.200.2.6 s=Cisco SDP 0</pre>

	<pre>c=IN IP4 13.200.2.6 t=0 0 m=audio 16390 RTP/AVP 0</pre>
解码	<pre>200 36 !--- This sent acknowledgement states that CRCX sequence !--- 36 was executed normally. I: 1F !--- The connection identification number is 1F. !--- Note: This is for the called leg of the second call. v=0 !--- The SDP version is 0. o=- 2 0 IN IP4 13.200.2.6 !--- The origin (o) field indicates that no user IDs are used via (-). !--- The session ID is 2 and the version of this announcement is 0. !--- An Internet (IN) IP version 4 source address of 13.200.2.6 !--- is also specified. s=Cisco SDP 0 !--- The session name (s) is "Cisco SDP 0". c=IN IP4 13.200.2.6 !--- The connection data (c) field specifies an Internet (IN) !--- IP version 4 source address of 13.200.2.6. t=0 0 !--- The (t) represents the start (0) and stop (0) times for this !--- call instance. When both start and stop are 0, the !--- call is considered permanent. m=audio 16390 RTP/AVP 0 !--- The SDP media description (m) specifies a media type of audio, !--- destination UDP port 16390 for voice-bearer traffic, and RTP !--- encapsulation using AVP with RTP payload type of 0.</pre>
MSG	<pre>MGCP Packet received - RQNT 38 aaln/S1/SU0/0@opt0-2611-1.ss.cisco.com MGCP 0.1 N: mgcp.ss-rtp-opt0CA.ss.cisco.com:2427 X: 5 R: L/hu(N),L/hf(N) S: L/wt</pre>
解码	<pre>RQNT 38 !--- The notification request message is sent from the call agent !--- to report the observed event. The sequence number is 38. aaln/S1/SU0/0@opt0-2611- 1.ss.cisco.com !--- This is the MGCP endpoint ID. MGCP 0.1 !--- The MGCP version is 0.1. N: mgcp.ss- rtp-opt0CA.ss.cisco.com:2427 !--- This is the notified entity ID with destination port number. X: 5 !--- The request ID (X) is 5. R: L/hu(N),L/hf(N) !--- The call agent requests (R) to be notified (N) !--- immediately that an on-hook (hu) or hook flash (hf) !--- condition exists. S: L/wt !--- The call agent sends a signaling request (S) to have this !--- gateway use the line (L) package and play the call !- -- waiting tone (wt).</pre>
MSG	<pre>send_mgcp_msg, MGCP Packet sent ---> 200 38 OK</pre>
解码	<pre>200 38 OK !--- This sent acknowledgement states that RQNT sequence !--- 38 was executed normally.</pre>
MSG	<pre>send_mgcp_msg, MGCP Packet sent ---> NTFY 174 aaln/S1/SU0/0@opt0-2611-1.ss.cisco.com MGCP 0.1 N: mgcp.ss-rtp-opt0CA.ss.cisco.com:2427 X: 5 O: L/hf</pre>
解码	<pre>NTFY 174 !--- This is the notify message sent to the call agent to report !--- the observed event. The notify</pre>

	<pre>sequence number is 174. aaln/S1/SU0/0@opt0-2611-1.ss.cisco.com !--- This is the MGCP endpoint ID. MGCP 0.1 !--- The MGCP version is 0.1. N: mgcp.ss-rtp-opt0CA.ss.cisco.com:2427 !--- This is the notified entity ID with destination port number. X: 5 !--- The request ID is 5. O: L/hf !--- The observed (O) event hook flash (hf) is detected with use of line (L) !--- package.</pre>
MSG	<pre>MGCP Packet received - 200 174 OK</pre>
解码	<pre>200 174 OK !--- The received acknowledgement states that NTFY sequence !--- 174 was executed normally.</pre>
MSG	<pre>MGCP Packet received - RQNT 40 aaln/S1/SU0/0@opt0-2611-1.ss.cisco.com MGCP 0.1 N: mgcp.ss-rtp-opt0CA.ss.cisco.com:2427 X: 5 R: L/hu(N),L/hf(N) S:</pre>
解码	<pre>RQNT 40 !--- This is the notification request message sent from the call agent !--- to report the observed event. The sequence number is 40. aaln/S1/SU0/0@opt0-2611-1.ss.cisco.com !--- This is the MGCP endpoint ID. MGCP 0.1 !--- The MGCP version is 0.1. N: mgcp.ss-rtp-opt0CA.ss.cisco.com:2427 !--- This is the notified entity ID with destination port number. X: 5 !--- The request ID (X) is 5. R: L/hu(N),L/hf(N) !--- The call agent requests (R) to be notified (N) !--- immediately that an on-hook (hu) or hook flash (hf) !--- condition exists. S: !--- The call agent sends a signaling request (S) to have this !--- gateway signal nothing, which stops the playout of !--- the call waiting tone (wt).</pre>
MSG	<pre>send_mgcp_msg, MGCP Packet sent ---> 200 40 OK</pre>
解码	<pre>200 40 OK !--- This sent acknowledgement states that RQNT sequence !--- 40 was executed normally.</pre>
MSG	<pre>MGCP Packet received - MDCX 41 aaln/S1/SU0/0@opt0-2611-1.ss.cisco.com MGCP 0.1 N: mgcp.ss-rtp-opt0CA.ss.cisco.com:2427 I: 1D C: 2 M: inactive</pre>
解码	<pre>MDCX 41 !--- This is the modify connection (MDCX) message received !--- from the call agent. The sequence number is 41. aaln/S1/SU0/0@opt0-2611-1.ss.cisco.com !--- This is the MGCP endpoint ID. !--- Note: This is the calling party. MGCP 0.1 !--- The MGCP version is 0.1. N: mgcp.ss-rtp-opt0CA.ss.cisco.com:2427 !--- This is the notified entity ID with destination port number. I: 1D !--- The connection identification number is 1D. !--- Note: This is for the calling leg of the first call. C: 2 !--- The call identification number (C) is 2. !--- Note: This is NOT the callerid.</pre>

	M: inactive !--- The connection mode (M) is inactive, which tells the gateway !--- to neither send nor receive packets on this connection.
MSG	send_mgcp_msg, MGCP Packet sent ---> 200 41 OK
解码	200 41 OK !--- This received acknowledgement states that MDCX sequence !--- 41 was executed normally.
MSG	MGCP Packet received - MDCX 42 aaln/S1/SU0/0@opt0-2611-1.ss.cisco.com MGCP 0.1 N: mgcp.ss-rtp-opt0CA.ss.cisco.com:2427 I: 1F C: 3 M: sendrecv
解码	MDCX 42 !--- The modify connection (MDCX) message is received from the call agent. !--- The sequence number is 42. aaln/S1/SU0/0@opt0-2611-1.ss.cisco.com !--- This is the MGCP endpoint ID. !--- Note: This is the second called party. MGCP 0.1 !--- The MGCP version is 0.1. . N: mgcp.ss-rtp-opt0CA.ss.cisco.com:2427 !--- This is the notified entity ID with destination port number. I: 1F !--- The connection identification number is 1F. !--- Note: This is for the called leg of the second call. C: 3 !--- The call identification number (C) is 3. !--- Note: This is NOT the callerid. M: sendrecv !--- The connection mode (M) is a two-way send and receive at this point, !--- which allows full conversation.
MSG	send_mgcp_msg, MGCP Packet sent ---> 200 42 OK
解码	200 42 OK !--- This received acknowledgement states that MDCX sequence !--- 42 was executed normally.
MSG	send_mgcp_msg, MGCP Packet sent ---> NTFY 175 aaln/S1/SU0/0@opt0-2611-1.ss.cisco.com MGCP 0.1 N: mgcp.ss-rtp-opt0CA.ss.cisco.com:2427 X: 5 O: L/hf
解码	NTFY 175 !--- The notify message is sent to the call agent to report !--- the observed event. The notify sequence number is 175. aaln/S1/SU0/0@opt0-2611-1.ss.cisco.com !--- This is the MGCP endpoint ID. MGCP 0.1 !--- The MGCP version is 0.1. N: mgcp.ss-rtp-opt0CA.ss.cisco.com:2427 !--- This is the notified entity ID with destination port number. X: 5 !--- The request ID is 5. O: L/hf !--- The observed event (O) hook flash (hf) is detected with use of line (L) !--- package.
MSG	MGCP Packet received - 200 175 OK
解码	200 175 OK !--- This received acknowledgement states that NTFY sequence !--- 175 was executed normally.

MSG	MGCP Packet received - RQNT 45 aaln/S1/SU0/0@opt0-2611-1.ss.cisco.com MGCP 0.1 N: mgcp.ss-rtp-opt0CA.ss.cisco.com:2427 X: 5 R: L/hu(N),L/hf(N) S:
解码	RQNT 45 !--- The notification request message is sent from the call agent to !--- report the observed event. The sequence number is 45. aaln/S1/SU0/0@opt0-2611- 1.ss.cisco.com !--- This is the MGCP endpoint ID. MGCP 0.1 !--- The MGCP version is 0.1. N: mgcp.ss- rtp-opt0CA.ss.cisco.com:2427 !--- This is the notified entity ID with destination port number. X: 5 !--- The request ID (X) is 5. R: L/hu(N),L/hf(N) !--- The call agent requests (R) to be notified (N) immediately !--- that an on-hook (hu) or hook flash (hf) condition exists. S: !--- The call agent sends a signaling request (S) to have this !--- gateway signal nothing to the endpoint.
MSG	send_mgcp_msg, MGCP Packet sent ---> 200 45 OK
解码	200 45 OK !--- This sent acknowledgement states that RQNT sequence !--- 45 was executed normally.
MSG	MGCP Packet received - MDCX 46 aaln/S1/SU0/0@opt0-2611-1.ss.cisco.com MGCP 0.1 N: mgcp.ss-rtp-opt0CA.ss.cisco.com:2427 I: 1F C: 3 M: inactive
解码	MDCX 46 !--- The modify connection (MDCX) message is received from the call agent. !--- The sequence number is 46. aaln/S1/SU0/0@opt0-2611-1.ss.cisco.com !--- This is the MGCP endpoint ID. !--- Note: This is the called party. MGCP 0.1 !--- The MGCP version is 0.1. N: mgcp.ss-rtp-opt0CA.ss.cisco.com:2427 !--- This is the notified entity ID with destination port number. I: 1F !--- The connection identification number is 1F. !--- Note: This is for the called leg of the second call. C: 3 !--- The call identification number (C) is 3. !--- Note: This is NOT the callerid. M: inactive !--- The connection mode (M) is inactive, which tells the gateway to neither !--- send nor receive packets on this connection.
MSG	send_mgcp_msg, MGCP Packet sent ---> 200 46 OK
解码	200 46 OK !--- This received acknowledgement states that MDCX sequence !--- 46 was executed normally.
MSG	MGCP Packet received - MDCX 47 aaln/S1/SU0/0@opt0-2611-1.ss.cisco.com MGCP 0.1 N: mgcp.ss-rtp-opt0CA.ss.cisco.com:2427 I: 1D C: 2

	M: sendrecv
解码	<p>MDCX 47</p> <p>!--- The modify connection (MDCX) message is received from the call agent. !--- The sequence number is 47. aaln/S1/SU0/0@opt0-2611-1.ss.cisco.com !--- This is the MGCP endpoint ID. !--- Note: This is the first calling party. MGCP 0.1 !--- The MGCP version is 0.1. N: mgcp.ss-rtp-opt0CA.ss.cisco.com:2427 !--- This is the notified entity ID with destination port number. I: 1D !--- The connection identification number is 1D. !--- Note: This is for the calling leg of the first call. C: 2 !--- The call identification number (C) is 2. !--- Note: This is NOT the callerid. M: sendrecv !--- The connection mode (M) is a two-way send and receive at this !--- point, which allows full conversation.</p>
MSG	send_mgcp_msg, MGCP Packet sent ---> 200 47 OK
解码	<p>200 47 OK</p> <p>!--- The received acknowledgement states that MDCX sequence !--- 47 was executed normally.</p>
MSG	<p>send_mgcp_msg, MGCP Packet sent ---></p> <p>NTFY 86 aaln/S1/SU0/1@opt0-2611-2.ss.cisco.com MGCP 0.1</p> <p>N: mgcp.ss-rtp-opt0CA.ss.cisco.com:2427</p> <p>X: 8</p> <p>O: D/4720001</p>
解码	<p>NTFY 86</p> <p>!--- This is the notify message sent to the call agent to report !--- the observed event. The notify sequence number is 86. aaln/S1/SU0/1@opt0-2611-2.ss.cisco.com !--- This is the MGCP endpoint ID. MGCP 0.1 !--- The MGCP version is 0.1. N: mgcp.ss-rtp-opt0CA.ss.cisco.com:2427 !--- This is the notified entity ID with destination port number. X: 8 !--- The request ID is 8. O: D/4720001 !--- The observed event (O) dialed digits (472-0001) is detected with use of !--- the DTMF (D) package.</p>
MSG	MGCP Packet received - 200 86 OK
解码	<p>200 86 OK</p> <p>!--- This received acknowledgement states that NTFY sequence !--- 86 was executed normally.</p>
MSG	<p>MGCP Packet received -</p> <p>RQNT 34 aaln/S1/SU0/1@opt0-2611-2.ss.cisco.com MGCP 0.1</p> <p>N: mgcp.ss-rtp-opt0CA.ss.cisco.com:2427</p> <p>X: 8</p> <p>R: L/hu(N)</p>
解码	<p>RQNT 34</p> <p>!--- This is the notification request message sent from the call agent !--- to report the observed event. The sequence number is 34. aaln/S1/SU0/1@opt0-2611-2.ss.cisco.com !--- This is the MGCP endpoint ID. MGCP 0.1 !--- The MGCP version is 0.1. N: mgcp.ss-rtp-opt0CA.ss.cisco.com:2427 !--- This is the notified entity ID with destination port number. X: 8 !--- The request ID is 8. R: L/hu(N) !--- The call agent requests (R) to be notified (N) immediately !---</p>

	- that an on-hook (hu) event occurs.
MSG	send_mgcp_msg, MGCP Packet sent ---> 200 34 OK
解码	200 34 OK <i>!--- This sent acknowledgement states that RQNT sequence !--- 34 was executed normally.</i>
MSG	MGCP Packet received - CRCX 35 aaln/S1/SU0/1@opt0-2611-2.ss.cisco.com MGCP 0.1 N: mgcp.ss-rtp-opt0CA.ss.cisco.com:2427 C: 3 L: p:10-20, a:PCMU;PCMA;G726-32, e:off, s:off, t:a0 M: recvonly
解码	CRCX 35 <i>!--- The create connection (CRCX) message is received from the call agent. !--- The sequence number is 35. aaln/S1/SU0/1@opt0-2611-2.ss.cisco.com !--- This is the MGCP endpoint ID. !--- Note: This is the calling party. MGCP 0.1 !--- The MGCP version is 0.1. N: mgcp.ss-rtp-opt0CA.ss.cisco.com:2427 !--- This is the notified entity ID with destination port number. C: 3 !--- The call identification number (C) is 3. !--- Note: This is NOT the callerid. L: p:10-20 ! !--- This local connection option (L) requests a packetization !--- period (p) of 10 or 20 milliseconds. a:PCMU;PCMA;G726-32, !--- The compression algorithm (a) options are: u-law pulse code modulation (PCM), !--- a-law,PCM, or 32 kbps G.726. e:off, s:off, !--- The call agent has set both echo cancellation (e) and silence !--- suppression (s), also known as VAD, to disabled. t:a0 !--- The IP header type of service (t) byte for this call is !--- hexadecimal a0, which indicates IP precedence of 5 and !--- minimized delay. M: recvonly !--- The connection mode (M) is a one-way receive at this point, until !--- the called party answers.</i>
MSG	send_mgcp_msg, MGCP Packet sent ---> 200 35 I: 11 v=0 o=- 3 0 IN IP4 13.200.2.7 s=Cisco SDP 0 c=IN IP4 13.200.2.7 t=0 0 m=audio 16388 RTP/AVP 0 8
解码	200 35 <i>!--- This sent acknowledgement states that CRCX sequence !--- 36 was executed normally. I: 11 !--- The connection identification number is 11. v=0 !--- The session description protocol (SDP) version is 0. o=- 3 0 IN IP4 13.200.2.7 !--- The origin (o) field indicates that no user IDs are used via (-). !--- The session ID is 3 and the version of this announcement is 0. !--- An Internet (IN) IP version 4 source address of !--- 13.200.2.7 is also specified. s=Cisco SDP 0 !--- The session name (s) is "Cisco SDP 0". c=IN IP4 13.200.2.7 !--- The connection data (c) field specifies an Internet (IN) !--- IP version 4 source address of 13.200.2.7. t=0 0 !--- The (t) represents the start (0) and stop (0) times for this !--- call instance. When both start and stop are 0,</i>

	<p><i>the call !--- is considered permanent. m=audio 16388 RTP/AVP 0 8 !--- The SDP media description (m) specifies a media type of audio, !--- destination User Datagram Protocol (UDP) port 16388 for voice-bearer traffic, !--- and Real-Time Transport Protocol (RTP) encapsulation using !--- audio video profile (AVP) with RTP payload type of 0 or 8.</i></p>
M S G	<p>MGCP Packet received - MDCX 37 aaln/S1/SU0/1@opt0-2611-2.ss.cisco.com MGCP 0.1 N: mgcp.ss-rtp-opt0CA.ss.cisco.com:2427 I: 11 C: 3 M: recvonly v=0 o=- 2 0 IN IP4 13.200.2.6 s=Cisco SDP 0 c=IN IP4 13.200.2.6 t=0 0 m=audio 16390 RTP/AVP 0</p>
解 码	<p>MDCX 37 <i>!--- This modify connection (MDCX) message is received from the call agent. !--- The sequence number is 37. aaln/S1/SU0/1@opt0-2611-2.ss.cisco.com !--- This is the MGCP endpoint ID. !--- Note: This is the calling party. MGCP 0.1 !--- The MGCP version is 0.1. N: mgcp.ss-rtp-opt0CA.ss.cisco.com:2427 !--- This is the notified entity ID with destination port number. I: 11 !--- The connection identification number is 11. !--- Note: This is for the calling leg. C: 3 !--- The call identification number (C) is 3. !--- Note: This is the calling party. M: recvonly !--- The connection mode (M) is a one-way receive at this point, !--- until the called party answers. v=0 !--- The SDP version is 0. o=- 2 0 IN IP4 13.200.2.6 !--- The origin (o) field indicates that no user IDs are used via (-). !--- The session ID is 2 and the version of this announcement is 0. !--- An Internet (IN) IP version 4 destination address of !--- 13.200.2.6 is also specified. s=Cisco SDP 0 !--- The session name (s) is "Cisco SDP 0". c=IN IP4 13.200.2.6 !--- The connection data (c) field specifies an Internet (IN) !--- IP version 4 destination address of 13.200.2.6. t=0 0 !--- The (t) represents the start (0) and stop (0) times for !--- this call instance. When both start and stop are 0, !--- the call is considered permanent. m=audio 16390 RTP/AVP 0 !--- The SDP media description (m) specifies a media type of audio, !--- destination UDP port 16390 for voice-bearer traffic, and !--- RTP encapsulation using AVP with RTP payload type of 0.</i></p>
M S G	<p>send_mgcp_msg, MGCP Packet sent ---> 200 37 OK</p>
解 码	<p>200 37 OK <i>!--- This received acknowledgement states that MDCX sequence !--- 37 was executed normally.</i></p>
M S G	<p>MGCP Packet received - RQNT 39 aaln/S1/SU0/1@opt0-2611-2.ss.cisco.com MGCP 0.1 N: mgcp.ss-rtp-opt0CA.ss.cisco.com:2427 X: 8</p>

	R: L/hu(N) S: G/rt
解码	RQNT 39 <i>!--- This is the notification request message sent from the call agent !--- to report the observed event. The sequence number is 39. aaln/S1/SU0/1@opt0-2611-2.ss.cisco.com !--- This is the MGCP endpoint ID. MGCP 0.1 !--- The MGCP version is 0.1. N: mgcp.ss-rtp-opt0CA.ss.cisco.com:2427 !--- This is the notified entity ID with destination port number. X: 8 !--- The request ID is 8. R: L/hu(N) !--- The call agent requests (R) to be notified (N) !--- immediately that an on-hook (hu) condition exists. S: G/rt !--- The call agent sends a signaling request (S) to have this !--- gateway use the generic (G) package and generate a ring-back tone.</i>
MSG	send_mgcp_msg, MGCP Packet sent ---> 200 39 OK
解码	200 39 OK <i>!--- This sent acknowledgement states that RQNT sequence !--- 39 was executed normally.</i>
MSG	MGCP Packet received - MDCX 43 aaln/S1/SU0/1@opt0-2611-2.ss.cisco.com MGCP 0.1 N: mgcp.ss-rtp-opt0CA.ss.cisco.com:2427 I: 11 C: 3 M: sendrecv
解码	MDCX 43 <i>!--- This modify connection (MDCX) message is received from !--- the call agent. The sequence number is 43. aaln/S1/SU0/1@opt0-2611-2.ss.cisco.com !--- This is the MGCP endpoint ID. MGCP 0.1 !--- The MGCP version is 0.1. N: mgcp.ss-rtp-opt0CA.ss.cisco.com:2427 !--- This is the notified entity ID with destination port number. I: 11 !--- The connection identification number is 11. C: 3 !--- The call identification number (C) is 3. !--- Note: This is NOT the callerid. M: sendrecv !--- The connection mode (M) is a two-way send and receive at this point, !--- which allows full conversation.</i>
MSG	send_mgcp_msg, MGCP Packet sent ---> 200 43 OK
解码	200 43 OK <i>!--- This received acknowledgement states that MDCX sequence !--- 43 was executed normally.</i>
MSG	MGCP Packet received - RQNT 44 aaln/S1/SU0/1@opt0-2611-2.ss.cisco.com MGCP 0.1 N: mgcp.ss-rtp-opt0CA.ss.cisco.com:2427 X: 8 R: L/hu(N),L/hf(N) S:
解码	RQNT 44 <i>!--- This is the notification request message sent from the call agent to !--- report the observed event. The sequence number is 44. aaln/S1/SU0/1@opt0-2611-2.ss.cisco.com !--- This is the MGCP endpoint ID. MGCP 0.1 !--- The MGCP version is 0.1. N:</i>

	<pre>mgcp.ss-rtp-opt0CA.ss.cisco.com:2427 !--- This is the notified entity ID with destination port number. X: 8 !--- This request ID (X) is 8. R: L/hu(N),L/hf(N) !-- - The call agent requests (R) to be notified (N) immediately !--- that an on-hook (hu) or hook flash (hf) condition exists. S: !--- The call agent sends a signaling request (S) to have this !--- gateway signal nothing, which stops the playout of !--- the ring-back tone (rt).</pre>
MSG	<pre>send_mgcp_msg, MGCP Packet sent ---> 200 44 OK</pre>
解码	<pre>200 44 OK !--- This sent acknowledgement states that RQNT sequence !--- 44 was executed normally.</pre>
MSG	<pre>send_mgcp_msg, MGCP Packet sent ---> NTFY 87 aaln/S1/SU0/1@opt0-2611-2.ss.cisco.com MGCP 0.1 N: mgcp.ss-rtp-opt0CA.ss.cisco.com:2427 X: 8 O: L/hu</pre>
解码	<pre>NTFY 87 !--- This is the notify message sent to the call agent to report !--- the observed event. The notify sequence number is 87. aaln/S1/SU0/1@opt0-2611- 1.ss.cisco.com !--- This is the MGCP endpoint ID. MGCP 0.1 !--- The MGCP version is 0.1. N: mgcp.ss- rtp-opt0CA.ss.cisco.com:2427 !--- This is the notified entity ID with destination port number. X: 8 !--- The request ID is 8. O: L/hd !--- The observed event (O) off-hook (hd) is detected with use of !--- line (L) package.</pre>
MSG	<pre>MGCP Packet received - 200 87 OK</pre>
解码	<pre>200 87 OK !--- This received acknowledgement states that NTFY sequence !--- 87 was executed normally.</pre>

相关信息

- [如何在数字 PRI 和 Cisco CallManager 中配置 MGCP](#)
- [语音技术支持](#)
- [语音和统一通信产品支持](#)
- [Cisco IP 电话故障排除](#)
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