

Exemplo de pacotes de debug MGCP

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Introdução

Este documento contém **debug** captações dos **pacotes do mgcp** de várias sequências do atendimento do Media Gateway Control Protocol (MGCP). Cada sequência é indicada cronologicamente em uma tabela. As tabelas contêm a mensagem (**MSG**) e **DESCODIFICAM** campos. Os campos **MSG** contêm o **resultado do debug** real, e os campos da **DESCODIFICAÇÃO** explicam a precedência **debugam a** mensagem. No momento, existem seqüências de depuração em exibição:

- [Um monofone é desligado e o usuário discar os dígitos](#)
- [Um monofone recebe um tom de ocupado](#)
- [Uma chamada de voz completa na rede que mostra os lados de origem e de terminação](#)
- [Uma sequência completa da espera de chamada entre três partidos](#)

Este documento é a parte 5 de um grupo de seis documentos.

1. [Configurando o CallManager Cisco 3.x com gateways MGCP IOS \(portas análogas FXO, FXS\)](#)
2. [Configurando a porta de comunicação MGCP Cisco IOS](#)
3. [Configurar o gateway MGCP e as portas FXO/FXS em um servidor do CallManager da Cisco](#)
4. [Verifique e pesquise defeitos o gateway MGCP do Cisco IOS](#)
5. Exemplo de pacotes de debug MGCP
6. [Monitore, restaure, e suprima de gateways MGCP para o CallManager da Cisco](#)

Pré-requisitos

Requisitos

Não existem requisitos específicos para este documento.

Componentes Utilizados

Esta configuração foi testada com 3.0 do CallManager da Cisco, 3.1, e 3.2 e várias versões de imagens do Software Release 12.2 de Cisco IOS®. Os screen shots e a configuração do IOS da Cisco foram capturados usando o software, o hardware, e o outro equipamento alistado abaixo.

- 1 * X Cisco VG200/2 X FXS/2 FXO/1 FastEthernet 10/100 de porta; Cisco IOS Software Release 12.1(5)T
- 1 * CallManager da Cisco 3.0(5a) que é executado em um MCS7835
- 2 * Aparelhos de telefone analógico
- 2 * Telefones IP do Cisco 7960

As informações neste documento foram criadas a partir de dispositivos em um ambiente de laboratório específico. Todos os dispositivos utilizados neste documento foram iniciados com uma configuração (padrão) inicial. Se a sua rede estiver ativa, certifique-se de que entende o impacto potencial de qualquer comando.

Para versões de software recomendadas da compatibilidade entre o CallManager da Cisco e o Cisco IOS gateway, refira a [comparação da versão de Software do CallManager da Cisco](#).

Nota: O Cisco IOS Software Release 12.2(11)T ou Mais Recente é recomendado com base nos realces do **comando ccm-manager**. O **comando ccm-manager** exige o Cisco IOS Software Release 12.1(5)XM ou mais tarde todo o Roteadores (Cisco 2600 e 3600) e o cisco voice gateway 200 (VG200).

Apoio MGCP dos Cisco 2600 e 3600 Router se estão executando o Cisco IOS Software Release 12.1(3)T ou Mais Recente. A liberação e a versão que você exige são baseadas nas características que você precisa de permitir. O servidor do CallManager da Cisco deve ser versão 3.0(5)a ou mais recente running. A configuração de roteador é a mesma para todos os tipos de Roteadores. A configuração do CallManager da Cisco é igualmente a mesma para todos os tipos de Roteadores.

O VG200 é apoiado por liberações do Cisco IOS Software Release 12.1(5)XM1 e Mais Recente. A liberação e a versão que você exige são baseadas nas características que você precisa de permitir. Embora o VG200 seja apoiado nas versões anterior do CallManager da Cisco, a versão 3.0(5)a ou mais recente é recomendada.

Convenções

Para obter mais informações sobre convenções de documento, consulte as [Convenções de dicas técnicas Cisco](#).

Debugar a sequência para quando um monofone vai dígitos de seletores do Fora-gancho e do usuário

Os campos MSG na tabela acima são capturas do comando debug mgcp packets quando um

telefone fica fora do gancho e o usuário utiliza o teclado para digitar. Os campos DECODE fornecem uma interpretação das mensagens MGCP produzidas pelo comando debug.

MSG	21:50:26: send_mgcp_msg, MGCP Packet sent ----> NTFY 41 aaln/S1/SU0/1@c26001.atl0.cisco.com MGCP 0.1 N: mgcp.aSCT1CA.atl0.cisco.com:2427 X: 50 O: L/hd
DESCO DIFIQU E	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. 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 !--- 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>
MSG	21:50:26: MGCP Packet received <--- 200 41 OK
DESCO DIFIQU E	200 41 OK <i>!--- This receive acknowledgement states that NTFY sequence !--- 41 was executed normally.</i>
MSG	21:50:26: MGCP Packet received <--- RQNT 1825 aaln/S1/SU0/1@c26001.atl0.cisco.com MGCP 0.1 N: mgcp.aSCT1CA.atl0.cisco.com:2427 X: 50 R: L/hu(N),D/[0-9!--*T](D) S: L/dls
DESCO DIFIQU E	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. 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 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>
MSG	21:50:26: send_mgcp_msg, MGCP Packet sent ----> 200 1825 OK
DESCO DIFIQU E	200 1825 OK <i>!--- This sent acknowledgement states that RQNT sequence !--- 1825 was executed normally.</i>
MSG	21:50:41: send_mgcp_msg, MGCP Packet sent ---->

	<p>NTFY 42 aaln/S1/SU0/1@c26001.atl0.cisco.com MGCP 0.1 N: mgcp.aSCT1CA.atl0.cisco.com:2427 X: 50 O: D/16783201735</p>
DESCO DIFIQU E	<p>NTFY 42 <i>!--- The notify message is sent to the call agent to report the observed !--- event. The notify sequence number is 42.</i> aaln/S1/SU0/1@c26001.atl0.cisco.com !--- MGCP endpoint ID. MGCP 0.1 <i>!--- The MGCP version is 0.1.</i> N: mgcp.aSCT1CA.atl0.cisco.com:2427 <i>!--- This is the notified entity ID with destination port number.</i> X: 50 <i>!--- Request ID is 50.</i> O: D/16783201735 <i>!--- This residential gateway sends an observed event message !--- that states that it collected the digits (16783201735) which conformed !--- to the digit map.</i></p>
MSG	<p>21:50:41: MGCP Packet received <--- 200 42 OK</p>
DESCO DIFIQU E	<p>200 42 OK <i>!--- This receive acknowledgement states that NTFY sequence !--- 42 was executed normally.</i></p>
MSG	<p>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)</p>
DESCO DIFIQU E	<p>RQNT 1828 <i>!--- This is the notification request message sent to the call agent !--- to report the observed event. The sequence number is 1828.</i> aaln/S1/SU0/1@c26001.atl0.cisco.com !--- <i>This is the MGCP endpoint ID.</i> MGCP 0.1 <i>!--- The MGCP version is 0.1.</i> N: mgcp.aSCT1CA.atl0.cisco.com:2427 <i>!--- This is the notified entity ID with destination port number.</i> X: 50 <i>!--- Request ID is 50.</i> R: L/hu(N) <i>!--- The call agent requests (R) to be notified (N) immediately !--- that an on-hook (hu) condition exists.</i></p>
MSG	<p>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)</p>
DESCO DIFIQU E	<p>RQNT 1828 <i>!--- The notification request message is sent to the call agent !--- to report the observed event. The sequence number is 1828.</i> aaln/S1/SU0/1@c26001.atl0.cisco.com !--- <i>This is the MGCP endpoint ID.</i> MGCP 0.1 <i>!--- The MGCP version is 0.1.</i> N: mgcp.aSCT1CA.atl0.cisco.com:2427 <i>!--- This is the notified entity ID with destination port number.</i> X: 50 <i>!--- The request ID is 50.</i> R: L/hu(N) <i>!--- The call agent requests (R) to be notified (N) immediately !--- that an on-hook (hu) condition exists.</i></p>

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

[Debugar a sequência para um monofone que receba um tom de ocupado](#)

Os campos **MSG** na tabela mostrada abaixo são captações do comando `packets` do `mgcp debug` output quando um telefone vai *fora-gancho*, dígitos de seletores, e recebe então um tom de ocupado. Os campos **DECODE** fornecem uma interpretação das mensagens MGCP produzidas pelo comando `debug`.

MSG	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
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DESCO DIFIQU E	<p>NTFY 98</p> <p><i>!--- This is the notify message sent to the call agent to report !--- the observed event. The notify sequence number is 98.</i></p> <p>aaln/S1/SU0/1@c26002.atl0.cisco.com <i>!--- This is the MGCP endpoint ID. MGCP 0.1 !--- The MGCP version is 0.1. N:</i></p> <p>mgcp.aSCT1CA.atl0.cisco.com:2427 <i>!--- This is the notified entity ID with destination User Datagram Protocol (UDP) !--- port number. X: 53</i></p> <p><i>!--- 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.</i></p>
MSG	<p>21:55:40: MGCP Packet received -</p> <p>200 98 OK</p>
DESCO DIFIQU E	<p>200 98 OK</p> <p><i>!--- This received acknowledgement states that NTFY sequence !--- 98 was executed normally.</i></p>
MSG	<p>21:55:40: MGCP Packet received -</p> <p>RQNT 1845 aaln/S1/SU0/0@c26002.atl0.cisco.com</p> <p>MGCP 0.1</p> <p>N: mgcp.aSCT1CA.atl0.cisco.com:2427</p> <p>X: 53</p> <p>R: L/hu(N)</p>
DESCO DIFIQU E	<p>RQNT 1845</p> <p><i>!--- This is the notification request message received from !--- the call agent to report the observed event. The sequence number is 1845.</i></p> <p>aaln/S1/SU0/1@c26002.atl0.cisco.com <i>!--- This is the MGCP endpoint ID. MGCP 0.1 !--- The MGCP version is 0.1. N:</i></p> <p>mgcp.aSCT1CA.atl0.cisco.com:2427 <i>!--- This is the notified entity ID with destination UDP port number. X: 53 !--- The request ID is 53.</i></p> <p>R: L/hu(N) <i>!--- The call agent requests (R) to be notified (N) immediately !--- that an on-hook (hu) condition exists.</i></p>
MSG	<p>21:55:40: send_mgcp_msg, MGCP Packet sent ---></p> <p>200 1845 OK</p>
DESCO DIFIQU E	<p>200 1845 OK</p> <p><i>!--- This sent acknowledgement states that RQNT sequence !--- 1845 was executed normally.</i></p>
MSG	<p>21:55:40: MGCP Packet received -</p> <p>RQNT 1846 aaln/S1/SU0/0@c26002.atl0.cisco.com</p> <p>MGCP 0.1</p> <p>N: mgcp.aSCT1CA.atl0.cisco.com:2427</p> <p>X: 53</p> <p>R: L/hu(N)</p> <p>S: L/bz</p>
DESCO DIFIQU E	<p>RQNT 1846</p> <p><i>!--- This is the notification request message received from the call agent to !--- report the observed event. The sequence number is 1846.</i></p> <p>aaln/S1/SU0/1@c26002.atl0.cisco.com <i>!--- This is the MGCP endpoint ID. MGCP 0.1 !--- The MGCP version is 0.1. N:</i></p> <p>mgcp.aSCT1CA.atl0.cisco.com:2427 <i>!--- This is the notified entity ID with destination port number. X: 53 !--- The request ID is 53. R:</i></p>

	<i>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
DESCO DIFIQU E	200 1846 OK <i>!--- This sent acknowledgement states that RQNT sequence !--- 1846 was executed normally.</i>

Uma chamada de voz completa na rede que mostra os lados de origem e de terminação

Os campos **MSG** nas duas tabelas mostradas abaixo são captações do comando **packets do mgcp debug** output quando uma chamada telefônica completa é feita e rasgada para baixo. A primeira tabela mostra um atendimento da perspectiva do [lado de origem](#), quando a segunda tabela descrever a perspectiva do [lado de terminação](#). Os campos DECODE fornecem uma interpretação das mensagens MGCP produzidas pelo comando debug.

Lado de origem

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
DESCO DIFIQU E	NTFY 166 <i>!--- The notify message is sent to the call agent to report the !--- observed event. The notify sequence number is 166.</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:</i> mgcp.aSCT1CA.atl0.cisco.com:2427 <i>!--- This is the notified entity ID with destination port number. X: 50 !--- The request ID is 50. O:</i> L/hd <i>!--- The observed event (O) off-hook (hd) is detected with use of line (L) !--- package.</i>
MSG	1d00h: MGCP Packet received - 200 166 OK
DESCO DIFIQU E	200 166 OK <i>!--- This received acknowledgement states that NTFY sequence !--- 166 was executed normally.</i>
MSG	1d00h: MGCP Packet received - RQNT 2877 aaln/S1/SU0/1@c26001.atl0.cisco.com MGCP 0.1 N: mgcp.aSCT1CA.atl0.cisco.com:2427 X: 50 R: L/hu(N),D/[0-9!--*T](D) S: L/dl
DESCO DIFIQU	RQNT 2877 <i>!--- This is the notification request message received from the call agent to !--- report the</i>

E	<p><i>observed event. The sequence number 2877.</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. 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.</p>
MSG	<p>1d00h: send_mgcp_msg, MGCP Packet sent ---> 200 2877 OK</p>
DESCO DIFIQUE	<p>200 2877 OK !--- This sent acknowledgement states that RQNT sequence !--- 2877 was executed normally.</p>
MSG	<p>1d00h: send_mgcp_msg, MGCP Packet sent ---> NTFY 167 aaln/S1/SU0/1@c26001.atl0.cisco.com MGCP 0.1 N: mgcp.aSCT1CA.atl0.cisco.com:2427 X: 50 O: D/6783201737</p>
DESCO DIFIQUE	<p>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.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. 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.</p>
MSG	<p>1d00h: MGCP Packet received - 200 167 OK</p>
DESCO DIFIQUE	<p>200 167 OK !--- This received acknowledgement states that NTFY sequence !--- 167 was executed normally.</p>
MSG	<p>1d00h: MGCP Packet received - RQNT 2878 aaln/S1/SU0/1@c26001.atl0.cisco.com MGCP 0.1 N: mgcp.aSCT1CA.atl0.cisco.com:2427 X: 50 R: L/hu(N)</p>
DESCO DIFIQUE	<p>RQNT 2878 !--- This notification request message is sent from the call agent !--- to report the observed event. The sequence number is 2878. aaln/S1/SU0/1@c26001.atl0.cisco.com !--- This is the MGCP endpoint ID. MGCP 0.1 !--- The MGCP version is 0.1. N:</p>

	<p>mgcp.aSCTlCA.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.</p>
MSG	<p>1d00h: send_mgcp_msg, MGCP Packet sent ---> 200 2878 OK</p>
DESCO DIFIQU E	<p>200 2878 OK !--- This sent acknowledgement states that RQNT sequence !--- 2878 was executed normally.</p>
MSG	<p>1d00h: MGCP Packet received - CRCX 2879 aaln/S1/SU0/1@c26001.atl0.cisco.com MGCP 0.1 N: mgcp.aSCTlCA.atl0.cisco.com:2427 C: 64 L: p:20, a:PCMU;PCMA;G726-32, e:on, s:on, t:00 M: recvonly</p>
DESCO DIFIQU E	<p>CRCX 2879 !--- 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.aSCTlCA.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.</p>
MSG	<p>1d00h: send_mgcp_msg, MGCP Packet sent ---> 200 2879 I: 18 v=0 c=IN IP4 192.168.25.2 m=audio 16386 RTP/AVP 0 8</p>
DESCO DIFIQU E	<p>200 2879 !--- 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</p>

	<p>traffic, !--- and Real-Time Transport Protocol (RTP) encapsulation using !--- audio video profile (AVP) with RTP payload type of 0 or 8.</p>
MSG	<p>1d00h: MGCP Packet received - MDCX 2881 aaln/S1/SU0/1@c26001.atl0.cisco.com MGCP 0.1 N: mgcp.aSCT1CA.atl0.cisco.com:2427 I: 18 C: 64 M: recvonly v=0 c=IN IP4 192.168.25.6 t=0 0 m=audio 16388 RTP/AVP 0</p>
DESCO DIFIQU E	<p>MDCX 2881 !--- 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 callidentification 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.</p>
MSG	<p>1d00h: send_mgcp_msg, MGCP Packet sent ---> 200 2881 OK</p>
DESCO DIFIQU E	<p>200 2881 OK !--- This sent acknowledgement states that MDCX sequence !--- 2881 was executed normally.</p>
MSG	<p>1d00h: MGCP Packet received - RQNT 2883 aaln/S1/SU0/1@c26001.atl0.cisco.com MGCP 0.1 N: mgcp.aSCT1CA.atl0.cisco.com:2427 X: 50 R: L/hu(N) S: G/rt</p>
DESCO DIFIQU E	<p>RQNT 2883 !--- The notification request message is sent from the call agent !--- to report the observed event. The sequence number is 2883. 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</p>

	<i>(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).</i>
MSG	1d00h: send_mgcp_msg, MGCP Packet sent ---> 200 2883 OK
DESCO DIFIQU E	200 2883 OK <i>!--- This sent acknowledgement states that RQNT sequence !--- 2883 was executed normally.</i>
MSG	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
DESCO DIFIQU E	MDCX 2885 <i>!--- This is the modify connection (MDCX) message received from the call agent. !--- The sequence number is 2885.</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:</i> mgcp.aSCT1CA.atl0.cisco.com:2427 <i>!--- 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. !---</i> Note: <i>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	1d00h: send_mgcp_msg, MGCP Packet sent ---> 200 2885 OK
DESCO DIFIQU E	200 2885 OK <i>!--- This sent acknowledgement states that MDCX sequence !--- 2885 was executed normally.</i>
MSG	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:
DESCO DIFIQU E	RQNT 2886 <i>!--- The notification request message is sent from the call agent !--- to report the observed event. The sequence number is 2886.</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:</i> mgcp.aSCT1CA.atl0.cisco.com:2427 <i>!--- This is the notified entity ID with destination port number. X: 50 !--- The request ID (X) is 50. R:</i> L/hu(N),L/hf(N) <i>!--- 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).</i>

MSG	1d00h: send_mgcp_msg, MGCP Packet sent ---> 200 2886 OK
DESCO DIFIQU E	200 2886 OK <i>!--- This sent acknowledgement states that RQNT sequence !--- 2886 was executed normally.</i>
MSG	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
DESCO DIFIQU E	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:</i> mgcp.aSCT1CA.atl0.cisco.com:2427 <i>!--- This is the notified entity ID with destination port number. X: 50 !--- The request ID is 50. O:</i> L/hu <i>!--- This residential gateway sends an observed event (O) that the !--- user went on-hook or hung up (hu).</i>
MSG	1d00h: MGCP Packet received - 200 168 OK
DESCO DIFIQU E	200 168 OK <i>!--- This receive acknowledgement states that NTFY sequence !--- 168 was executed normally.</i>
MSG	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)
DESCO DIFIQU E	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:</i> mgcp.aSCT1CA.atl0.cisco.com:2427 <i>!--- This is the notified entity ID with destination port number. X: 50 !--- The request ID is 50. R:</i> L/hd(N) <i>!--- 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 2888 OK
DESCO DIFIQU E	200 2888 OK <i>!--- This sent acknowledgement states that RQNT sequence !--- 2888 was executed normally.</i>
MSG	1d00h: MGCP Packet received - DLCX 2890 aaln/S1/SU0/1@c26001.atl0.cisco.com MGCP 0.1 I: 18 C: 64
DESCO	DLCX 2890 <i>!--- The deleted connection (DLCX) message is</i>

DIFIQUE	<p>received from the call agent. !--- The sequence number is 2890.</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. I: 18 !--- The connection identification number is 18. C: 64 !--- The call identification number (C) is 64. !---</p> <p>Note: This is NOT the callerid.</p>
MSG	<p>1d00h: send_mgcp_msg, MGCP Packet sent ---> 250 2890 P: PS=305, OS=47685, PR=501, OR=79722, PL=4, JI=288, LA=3</p>
DESCODIFIQUE	<p>250 2890</p> <p>!--- 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.</p>

Lado de terminação

MSG	<p>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</p>
DESCODIFIQUE	<p>CRCX 2899</p> <p>!--- The create connection (CRCX) message is received from the call agent. !--- The sequence number is 2899.</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. 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</p>

	<p>point, !--- which allows full conversation. 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. 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.</p>
MSG	<p>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</p>
DESCO DIFIQU E	<p>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.</p>
MSG	<p>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</p>
DESCO DIFIQU E	<p>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).</p>
MSG	<p>1d00h: send_mgcp_msg, MGCP Packet sent ---> 200 2901 OK</p>
DESCO DIFIQU	<p>200 2901 OK !--- This sent acknowledgement states that RQNT sequence !--- 2901 was executed normally.</p>

E	
MSG	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
DESCO DIFIQU E	NTFY 169 <i>!--- This is the notify message sent to the call agent to report !--- the observed event. The notify sequence number is 169.</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:</i> mgcp.aSCT1CA.atl0.cisco.com:2427 <i>!--- This is the notified entity ID with destination port number. X: 50 !--- The request ID is 50. O:</i> L/hd <i>!--- Observed event (O) off-hook (hd) is detected with use of !--- line (L) package.</i>
MSG	1d00h: MGCP Packet received - 200 169 OK
DESCO DIFIQU E	200 169 OK <i>!--- This received acknowledgement states that NTFY sequence !--- 169 was executed normally.</i>
MSG	1d00h: MGCP Packet received - RQNT 2903 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)
DESCO DIFIQU E	RQNT 2903 <i>!--- This is the notification request message sent from the call agent to report !--- the observed event. The sequence number is 2886.</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:</i> mgcp.aSCT1CA.atl0.cisco.com:2427 <i>!--- This is the notified entity ID with destination port number. X: 50 !--- The request ID (X) is 50. R:</i> L/hu(N),L/hf(N) <i>!--- The call agent requests (R) to be notified (N) immediately !--- that an on-hook (hu) or hook flash (hf) condition exists.</i>
MSG	1d00h: send_mgcp_msg, MGCP Packet sent ---> 200 2903 OK
DESCO DIFIQU E	200 2903 OK <i>!--- This sent acknowledgement states that RQNT sequence !--- 2903 was executed normally.</i>
MSG	1d00h: send_mgcp_msg, MGCP Packet sent ---> NTFY 170 aaln/S1/SU0/1@c26001.atl0.cisco.com MGCP 0.1 N: mgcp.aSCT1CA.atl0.cisco.com:2427 X: 50 O: L/hu
DESCO DIFIQU E	NTFY 170 <i>!--- The notify message is sent to the call agent to report the observed !--- event. The notify sequence number is 170.</i> aaln/S1/SU0/1@c26001.atl0.cisco.com <i>!--- This</i>

	<p>is the MGCP endpoint ID. MGCP 0.1 !--- The MGCP version is 0.1. N: mgcp.aSCTlCA.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).</p>
MSG	<p>1d00h: MGCP Packet received - 200 170 OK</p>
DESCO DIFIQU E	<p>200 170 OK !--- This received acknowledgement states that NTFY sequence !--- 170 was executed normally.</p>
MSG	<p>1d00h: MGCP Packet received - RQNT 2906 aaln/S1/SU0/1@c26001.atl0.cisco.com MGCP 0.1 N: mgcp.aSCTlCA.atl0.cisco.com:2427 X: 50 R: L/hd(N)</p>
DESCO DIFIQU E	<p>RQNT 2906 !--- The notification request message is sent from the call agent to !--- report the observed event. The sequence number is 2906. 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.aSCTlCA.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.</p>
MSG	<p>1d00h: send_mgcp_msg, MGCP Packet sent ---> 200 2906 OK</p>
DESCO DIFIQU E	<p>200 2906 OK !--- This sent acknowledgement states that RQNT sequence !--- 2906 was executed normally.</p>
MSG	<p>1d00h: MGCP Packet received - DLCX 2907 aaln/S1/SU0/1@c26001.atl0.cisco.com MGCP 0.1 I: 19 C: 65</p>
DESCO DIFIQU E	<p>DLCX 2907 !--- The delete connection (DLCX) message is received from the call agent. !--- The sequence number is 2907. aaln/S1/SU0/1@c26001.atl0.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.</p>
MSG	<p>1d00h: send_mgcp_msg, MGCP Packet sent ---> 250 2907 P: PS=334, OS=52843, PR=293, OR=46601, PL=0, JI=512, LA=3</p>
DESCO DIFIQU E	<p>250 2907 !--- 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. !---</p>

	<pre>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.</pre>
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Uma chamada completa esperando seqüência entre três partes

Os campos **MSG** nas duas tabelas mostradas abaixo são captações do comando **packets do mgcp debug** output quando a espera de chamada é sinalizada a um ponto final de gateway por um agente do atendimento. [O primeiro](#) valor-limite `aaln/S1/SU0/0@opt0-2611-1.ss.cisco.com` das mostras da [tabela](#) faz uma chamada telefônica ao 472-0002, que termine no mesmo gateway residencial, e recebe uma indicação da espera de chamada durante o atendimento. [A segunda tabela](#) mostra o valor-limite `aaln/S1/SU0/1@opt0-2611-2.ss.cisco.com`, situado em um outro gateway residencial, colocando o atendimento que inicia a indicação da espera de chamada a `aaln/S1/SU0/0@opt0-2611-1.ss.cisco.com`. Os campos **DECODE** fornecem uma interpretação das mensagens MGCP produzidas pelo comando **debug**.

MSG	<pre>send_mgcp_msg, MGCP Packet sent ---> NTFY171 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</pre>
DESCO DIFIQUE	<pre>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.</pre>
MSG	<pre>MGCP Packet received - 200 171 OK</pre>
DESCO DIFIQUE	<pre>200 171 OK !--- The received acknowledgement states that NTFY sequence !--- 171 was executed normally.</pre>
MSG	<pre>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</pre>
DESCO DIFIQUE	<pre>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</pre>

	<pre>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.</pre>
MSG	<pre>send_mgcp_msg, MGCP Packet sent ---> 200 23 OK</pre>
DESCO DIFIQU E	<pre>200 2906 OK !--- This sent acknowledgement states that RQNT sequence !--- 2906 was executed normally.</pre>
MSG	<pre>send_mgcp_msg, MGCP Packet sent ---> NTFY 172 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: D/4720002</pre>
DESCO DIFIQU E	<pre>NTFY 172 !--- 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.</pre>
MSG	<pre>MGCP Packet received - 200 172 OK</pre>
DESCO DIFIQU E	<pre>200 172 OK !--- This received acknowledgement states that NTFY sequence !--- 172 was executed normally.</pre>
MSG	<pre>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)</pre>
DESCO DIFIQU E	<pre>RQNT 24 !--- 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.</pre>
MSG	<pre>send_mgcp_msg, MGCP Packet sent ---></pre>

	200 24 OK
DESCO DIFIQU E	200 24 OK <i>!--- This sent acknowledgement states that RQNT sequence !--- 24 was executed normally.</i>
MSG	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
DESCO DIFIQU E	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 !--- 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.</i>
MSG	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
DESCO DIFIQU E	200 25 <i>!--- 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</i>

	<p>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.</p> <p>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.</p>
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>
DESCO DIFIQU E	<pre>CRCX 26 !--- The create connection (CRCX) message is received from the call agent. !--- The sequence number is 26. 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</pre>

	<p><i>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.</i></p>
MSG	<pre>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</pre>
DESCODIFIQUE	<p>200 26</p> <p><i>!--- 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 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>
MSG	<pre>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: rcvonly 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</pre>
DESCODIFIQUE	<p>MDCX 27</p> <p><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</i></p>

	<p>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.</p>
MSG	<p>send_mgcp_msg, MGCP Packet sent ---> 200 27 OK</p>
DESCO DIFIQUE	<p>200 27 OK !--- This sent acknowledgement states that MDCX sequence !--- 27 was executed normally.</p>
MSG	<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>
DESCO DIFIQUE	<p>RQNT 28 !--- 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).</p>
MSG	<p>send_mgcp_msg, MGCP Packet sent ---> 200 28 OK</p>
DESCO DIFIQUE	<p>200 28 OK !--- This sent acknowledgement states that RQNT sequence !--- 28 was executed normally.</p>
MSG	<p>MGCP Packet received - RQNT 29 aaln/S1/SU0/0@opt0-2611-1.ss.cisco.com MGCP 0.1</p>

	N: mgcp.ss-rtp-opt0CA.ss.cisco.com:2427 X: 5 R: L/hu(N) S: G/rt
DESCO DIFIQU E	RQNT 29 <i>!--- This is the notification request message sent from the call agent to !--- report the observed event. The sequence number is 29.</i> aaln/S1/SU0/0@opt0-2611-1.ss.cisco.com <i>!--- This is the MGCP endpoint ID. MGCP 0.1 !--- The MGCP version is 0.1.</i> N: mgcp.ss-rtp-opt0CA.ss.cisco.com:2427 <i>!--- This is the notified entity ID with destination port number.</i> X: 5 <i>!--- The request ID is 5.</i> R: L/hu(N) <i>!--- The call agent requests (R) to be notified (N) immediately !--- that an on-hook (hu) condition exists.</i> S: G/rt <i>!--- 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 29 OK
DESCO DIFIQU E	200 29 OK <i>!--- This sent acknowledgement states that RQNT sequence !--- 29 was executed normally.</i>
MSG	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
DESCO DIFIQU E	NTFY 173 <i>!--- This is the notify message sent to the call agent to report !--- the observed event. The notify sequence number is 173.</i> aaln/S1/SU0/1@opt0-2611-1.ss.cisco.com <i>!--- This is the MGCP endpoint ID. MGCP 0.1 !--- The MGCP version is 0.1.</i> N: mgcp.ss-rtp-opt0CA.ss.cisco.com:2427 <i>!--- This is the notified entity ID with destination port number.</i> X: 6 <i>!--- The request ID is 6.</i> O: L/hd <i>!--- The observed (O) event off-hook (hd) is detected with use of !--- line (L) package.</i>
MSG	MGCP Packet received - 200 173 OK
DESCO DIFIQU E	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
DESCO DIFIQU E	MDCX 27 <i>!--- This is the modify connection (MDCX) message received from the call agent. !--- The sequence number is 27.</i> aaln/S1/SU0/0@opt0-2611-1.ss.cisco.com <i>!--- This is the MGCP endpoint ID. !--- Note: This is the calling party.</i> MGCP

	<p>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.</p>
MSG	<p>send_mgcp_msg, MGCP Packet sent ---> 200 31 OK</p>
DESCO DIFIQUE	<p>200 31 OK !--- This sent acknowledgement states that MDCX sequence !--- 31 was executed normally.</p>
MSG	<p>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:</p>
DESCO DIFIQUE	<p>RQNT 32 !--- 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).</p>
MSG	<p>send_mgcp_msg, MGCP Packet sent ---> 200 32 OK</p>
DESCO DIFIQUE	<p>200 32 OK !--- This sent acknowledgement states that RQNT sequence !--- 32 was executed normally.</p>
MSG	<p>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</p>
DESCO	<p>CRCX 36 !--- The create connection (CRCX) message is</p>

DIFIQUE	<pre> 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>
MSG	<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 c=IN IP4 13.200.2.6 t=0 0 m=audio 16390 RTP/AVP 0 </pre>
DESCO DIFIQUE	<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 </pre>

	<p>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.</p>
MSG	<p>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</p>
DESCO DIFIQU E	<p>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).</p>
MSG	<p>send_mgcp_msg, MGCP Packet sent ---> 200 38 OK</p>
DESCO DIFIQU E	<p>200 38 OK !--- This sent acknowledgement states that RQNT sequence !--- 38 was executed normally.</p>
MSG	<p>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</p>
DESCO DIFIQU E	<p>NTFY 174 !--- This is the notify message sent to the call agent to report !--- the observed event. The notify 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</p>

	<i>detected with use of line (L) !--- package.</i>
MSG	MGCP Packet received - 200 174 OK
DESCO DIFIQU E	200 174 OK <i>!--- The received acknowledgement states that NTFY sequence !--- 174 was executed normally.</i>
MSG	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:
DESCO DIFIQU E	RQNT 40 <i>!--- 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).</i>
MSG	send_mgcp_msg, MGCP Packet sent ---> 200 40 OK
DESCO DIFIQU E	200 40 OK <i>!--- This sent acknowledgement states that RQNT sequence !--- 40 was executed normally.</i>
MSG	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
DESCO DIFIQU E	MDCX 41 <i>!--- 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. M: inactive !--- The connection mode (M) is inactive, which tells the gateway !--- to neither send nor receive packets on this connection.</i>
MSG	send_mgcp_msg, MGCP Packet sent ---> 200 41 OK

DESCO DIFIQUE	200 41 OK <i>!--- This received acknowledgement states that MDCX sequence !--- 41 was executed normally.</i>
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
DESCO DIFIQUE	MDCX 42 <i>!--- 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.</i>
MSG	send_mgcp_msg, MGCP Packet sent ---> 200 42 OK
DESCO DIFIQUE	200 42 OK <i>!--- This received acknowledgement states that MDCX sequence !--- 42 was executed normally.</i>
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
DESCO DIFIQUE	NTFY 175 <i>!--- 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.</i>
MSG	MGCP Packet received - 200 175 OK
DESCO DIFIQUE	200 175 OK <i>!--- This received acknowledgement states that NTFY sequence !--- 175 was executed normally.</i>
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:
DESCO DIFIQU E	RQNT 45 <i>!--- The notification request message is sent from the call agent to !--- report the observed event. The sequence number is 45.</i> aaln/S1/SU0/0@opt0-2611-1.ss.cisco.com !--- <i>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.</i>
MSG	send_mgcp_msg, MGCP Packet sent ---> 200 45 OK
DESCO DIFIQU E	200 45 OK <i>!--- This sent acknowledgement states that RQNT sequence !--- 45 was executed normally.</i>
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
DESCO DIFIQU E	MDCX 46 <i>!--- 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.</i>
MSG	send_mgcp_msg, MGCP Packet sent ---> 200 46 OK
DESCO DIFIQU E	200 46 OK <i>!--- This received acknowledgement states that MDCX sequence !--- 46 was executed normally.</i>
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
DESCO	MDCX 47 <i>!--- The modify connection (MDCX) message is</i>

DIFIQUE	<p>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	<p>send_mgcp_msg, MGCP Packet sent ---> 200 47 OK</p>
DESCO DIFIQUE	<p>200 47 OK !--- The received acknowledgement states that MDCX sequence !--- 47 was executed normally.</p>
MSG	<p>send_mgcp_msg, MGCP Packet sent ---> NTFY 86 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: D/4720001</p>
DESCO DIFIQUE	<p>NTFY 86 !--- 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	<p>MGCP Packet received - 200 86 OK</p>
DESCO DIFIQUE	<p>200 86 OK !--- This received acknowledgement states that NTFY sequence !--- 86 was executed normally.</p>
MSG	<p>MGCP Packet received - RQNT 34 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)</p>
DESCO DIFIQUE	<p>RQNT 34 !--- 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</p>

	<i>notified (N) immediately !--- that an on-hook (hu) event occurs.</i>
MSG	send_mgcp_msg, MGCP Packet sent ---> 200 34 OK
DESCO DIFIQU E	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
DESCO DIFIQU E	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
DESCO DIFIQU E	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.</i>

	<pre>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, 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.</pre>
<p>MSG</p>	<pre>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</pre>
<p>DESCO DIFIQU E</p>	<pre>MDCX 37 !--- 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</pre>

	<i>type of 0.</i>
MSG	send_mgcp_msg, MGCP Packet sent ----> 200 37 OK
DESCO DIFIQU E	200 37 OK <i>!--- This received acknowledgement states that MDCX sequence !--- 37 was executed normally.</i>
MSG	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 R: L/hu(N) S: G/rt
DESCO DIFIQU E	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
DESCO DIFIQU E	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
DESCO DIFIQU E	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
DESCO DIFIQU	200 43 OK <i>!--- This received acknowledgement states that MDCX sequence !--- 43 was executed normally.</i>

E	
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:
DESCO DIFIQU E	RQNT 44 !--- 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: 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).
MSG	send_mgcp_msg, MGCP Packet sent ---> 200 44 OK
DESCO DIFIQU E	200 44 OK !--- This sent acknowledgement states that RQNT sequence !--- 44 was executed normally.
MSG	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
DESCO DIFIQU E	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.
MSG	MGCP Packet received - 200 87 OK
DESCO DIFIQU E	200 87 OK !--- This received acknowledgement states that NTFY sequence !--- 87 was executed normally.

[Informações Relacionadas](#)

- [Como configurar MGCP com PRI digital e CallManager Cisco](#)
- [Suporte à Tecnologia de Voz](#)

- [Suporte ao Produto de Voz e Comunicações Unificadas](#)
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