

VoIP com Gatekeeper

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[Introdução](#)

Este documento ilustra como configurar e verificar uma rede VoIP com um gatekeeper.

[Pré-requisitos](#)

[Requisitos](#)

Não existem requisitos específicos para este documento.

[Componentes Utilizados](#)

As informações neste documento são baseadas nestas versões de software e hardware:

- Software Cisco IOS® versão 12.1(1)
- Cisco AS5300 e Cisco 3640 routers

Nota: Há uma exigência carregar o conjunto de características do IOS Cisco – x – para a funcionalidade de gatekeeper em todas as plataformas Cisco.

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.

Convenções

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

Informações de Apoio

Um gatekeeper é uma entidade H.323 em uma LAN que fornece conversão de endereço e acesso de controle à LAN para terminais e gateways H.323. O porteiro pode proporcionar outros serviços aos Terminais H.323 e aos gateways, tais como o gerenciamento de largura de banda e o local de gateways. Um gatekeeper mantém um registro dos dispositivos na rede multimídia. Os dispositivos são registrados com o gatekeeper na inicialização e solicitam a admissão de uma chamada do gatekeeper.

Você pode usar a configuração de gatekeeper neste documento para estas finalidades:

- Para ajudar a escalar uma implementação de voip onde você instalasse diversos gateways e dispositivos finais. Esta configuração permite que as mudanças sejam feitas em um ponto central, o porteiro.
- Para ajudar o controle de admissão da chamada do controle (CAC) a fim limitar o número de chama a rede
- Para executar o uso de um proxy na rede segurar separadamente suas chamadas VoIP de seu tráfego de dados

Configurar

Nesta seção, você encontrará informações para configurar os recursos descritos neste documento.

Nota: Para localizar informações adicionais sobre os comandos usados neste documento, utilize a Ferramenta Command Lookup (somente clientes [registrados](#)).

Diagrama de Rede

Esta rede é uma topologia simples com os dois gateways do Cisco AS5300. Um gateway está em SÃO JOSÉ, e o outro gateway está em Raleigh. Em cada local, há uma configuração de gatekeeper que seja executado em um Cisco 3640. Na topologia que esta seção mostra, um porteiro não é realmente necessário a fim colocar chamadas VoIP simples entre os dois gateways. Mas o diagrama inclui um porteiro a fim mostrar como a configuração completa olha.

As configurações do gatekeeper Cisco para esta topologia diferem de uma implementação de voip regular nestas maneiras:

- Cada gateway para a instalação do gateway registra-se com o gatekeeper local com uso dos

comandos h323 – gateway voip interface. Neste caso, os gateways são AS5300, e o porteiro é os 3640.

- O destino de sessão no comando dial – peer voice 2 voip aponta ao registro, à admissão, e ao estado (RAS) em vez do IPv4 apropriado: **endereço IP de Um ou Mais Servidores Cisco ICM NT**. O RAS executa estas tarefas: Define o lugar para que o gateway registre-se com o porteiro Envia pedidos de admissão para cada atendimento Conduz determinada votação da informação de status para atendimentos

Na rede de H.323, você tem um gatekeeper principal pela zona. O porteiro pode controlar gateways múltiplos ou terminar dispositivos de H.323 na zona. Na configuração que esta seção ilustra, em rotas de um atendimento à zona apropriada e em porteiro. Então, o porteiro responde ao pedido de chamada com o endereço IP de Um ou Mais Servidores Cisco ICM NT do gateway registrado que tem o prefixo de tecnologia (**tecnologia – prefixo**) esse fósforos o número chamado.



Processo de chamada

Estas etapas explicam como os trabalhos do porteiro. Um telefone no lado de Raleigh coloca um atendimento a um telefone no lado de SÃO JOSÉ:

1. Raleigh 5300A recebe um atendimento do PBX a 4085556400, que é um telefone que conecte a SÃO JOSÉ PBX. Este número combina o número sob o **voip da voz do dial peer 2** e igualmente tem um prefixo de tecnologia de **408#**.
2. O pedido de admissão ao gatekeeper de Raleigh, Raleigh 3640A, inclui o prefixo de tecnologia e o número chamado no formato **408#4085556400**. O 4085556400 corresponde ao comando de prefixo de zona de 408...
3. O gatekeeper de Raleigh envia um Location Request ao san jose gatekeeper, SÃO JOSÉ 3640A.
4. Porque a configuração do san jose gatekeeper contém SÃO JOSÉ 5300A com um prefixo de tecnologia de **408#**, o san jose gatekeeper responde ao gatekeeper de Raleigh com o endereço IP de Um ou Mais Servidores Cisco ICM NT de SÃO JOSÉ 5300.
5. Este endereço IP de Um ou Mais Servidores Cisco ICM NT para a frente a Raleigh 5300A através de uma confirmação de admissão (ACF).
6. Raleigh 5300A abre um atendimento normal de H.323 com SÃO JOSÉ 5300A.

Configurações

Este documento utiliza as seguintes configurações:

- [Raleigh 5300A](#)

- [Raleigh 3640A](#)
- [SÃO JOSÉ 5300A](#)
- [SÃO JOSÉ 3640A](#)

Raleigh 5300A

```
Raleigh5300A# show run Building configuration... Current
configuration: !! Last configuration change at 00:15:38
UTC Tue Mar 28 2000 ! NVRAM config last updated at
00:15:39 UTC Tue Mar 28 2000 ! version 12.1 service
timestamps debug datetime msec service timestamps log
datetime msec no service password-encryption ! hostname
Raleigh5300A ! logging buffered 50000 debugging enable
secret < password > [Choose a strong password with at
least one capital letter, one number, and one special
character.] !!! resource-pool disable ! ! ! ! ! clock
calendar-valid ip subnet-zero ! isdn switch-type
primary-5ess isdn voice-call-failure 0 mta receive
maximum-recipients 0 ! ! controller T1 0 framing esf
clock source line primary linecode b8zs pri-group
timeslots 1-24 ! controller T1 1 clock source line
secondary 1 ! controller T1 2 ! controller T1 3 ! !
voice-port 0:D ! ! dial-peer voice 1 pots answer-address
9195552001 destination-pattern 919#9195552...
direct-inward-dial port 0:D prefix 919 ! dial-peer voice
2 voip destination-pattern 4085556400 tech-prefix 408#
session target ras ! num-exp 6... 4085556... gateway !
interface Ethernet0 no ip address shutdown ! interface
Serial0:23 no ip address ip mroute-cache isdn
switch-type primary-5ess isdn incoming-voice modem
fair-queue 64 256 0 no cdp enable ! interface
FastEthernet0 ip address 172.16.120.2 255.255.255.0
duplex auto speed auto h323-gateway voip interface
h323-gateway voip id RALgk1 ipaddr 172.16.120.1 1718
h323-gateway voip h323-id RAL5300A@cisco.com
h323-gateway voip tech-prefix 919# ! ip classless ip
route 172.16.110.0 255.255.255.0 172.16.120.10 no ip
http server ! line con 0 transport input none line 1 48
transport output lat pad telnet rlogin udptn v120
lapb-ta line aux 0 line vty 0 4 password cisco login !
ntp clock-period 17179850 ntp server 172.16.110.10 end
```

Raleigh 3640A

```
Raleigh3640A# show run Building configuration... Current
configuration: ! version 12.1 service timestamps debug
datetime msec service timestamps log datetime msec no
service password-encryption ! hostname Raleigh3640A !
logging buffered 50000 debugging enable secret <
password > [Choose a strong password with at least one
capital letter, one number, and one special character.]
! ! ! ! ! ip subnet-zero ! ip dvmrp route-limit 20000 !
! ! ! ! interface Ethernet1/0 ip address 172.16.120.1
255.255.255.0 ! interface Serial1/0 no ip address no ip
mroute-cache no fair-queue ! interface TokenRing1/0 no
ip address shutdown ring-speed 16 ! ip classless ip
route 172.16.110.0 255.255.255.0 172.16.120.10 no ip
http server ! ! gatekeeper zone local RALgk1 cisco.com
zone remote SJgk1 cisco.com 172.16.110.1 1719 zone
prefix SJgk1 408..... gw-type-prefix 408#* no shutdown
! ! line con 0 transport input none line aux 0 line vty
0 4 password cisco login ! ntp clock-period 17179864 ntp
server 172.16.110.10 end
```

SÃO JOSÉ 5300A

```
SanJose5300A# show run Building configuration... Current
configuration: !! Last configuration change at 00:15:49
UTC Tue Mar 28 2000 ! NVRAM config last updated at
00:15:50 UTC Tue Mar 28 2000 ! version 12.1 service
timestamps debug datetime msec service timestamps log
datetime msec no service password-encryption ! hostname
SanJose5300A ! logging buffered 50000 debugging enable
secret < password > [Choose a strong password with at
least one capital letter, one number, and one special
character.] ! ! ! resource-pool disable ! ! ! ! ! ip
subnet-zero ! isdn voice-call-failure 0 mta receive
maximum-recipients 0 ! ! controller T1 0 framing esf
clock source line primary linecode b8zs ds0-group 1
timeslots 1-4 type e&m-immediate-start ! controller T1 1
clock source line secondary 1 ! controller T1 2 !
controller T1 3 ! ! voice-port 0:1 ! ! dial-peer voice 1
pots answer-address 4085556001 destination-pattern
408#4085556... direct-inward-dial port 0:1 prefix 6 !
dial-peer voice 2 voip destination-pattern 9195552...
tech-prefix 919# session target ras ! num-exp 2...
9195552... gateway ! interface Ethernet0 no ip address !
interface FastEthernet0 ip address 172.16.110.2
255.255.255.0 duplex auto speed auto h323-gateway voip
interface h323-gateway voip id SJgk1 ipaddr 172.16.110.1
1718 h323-gateway voip h323-id SJ5300A@cisco.com
h323-gateway voip tech-prefix 408# ! ip classless ip
route 172.16.120.0 255.255.255.0 172.16.110.10 no ip
http server ! ! ! line con 0 transport input none line
aux 0 line vty 0 4 password cisco login ! ntp
clock-period 17179892 ntp server 172.16.110.10 end
```

SÃO JOSÉ 3640A

```
SanJose3640A# show run Building configuration... Current
configuration: !! NVRAM config last updated at 00:05:33
UTC Tue Mar 28 2000 ! version 12.1 service timestamps
debug datetime msec service timestamps log datetime msec
no service password-encryption ! hostname SanJose3640A !
boot system flash c3640-ix-mz.120-7.T logging buffered
50000 debugging enable secret < password > [Choose a
strong password with at least one capital letter, one
number, and one special character.] ! ! ! ! ! ip
subnet-zero ! ip dvmrp route-limit 20000 ! ! interface
Ethernet1/0 ip address 172.16.110.1 255.255.255.0 !
interface Serial1/0 no ip address no ip mroute-cache
shutdown no fair-queue ! interface Ethernet1/1 no ip
address shutdown ! ip classless ip route 172.16.120.0
255.255.255.0 172.16.110.10 no ip http server !
tftp-server flash:c3640-ix-mz.121-1.bin ! gatekeeper
zone local SJgk1 cisco.com zone remote RALgk1 cisco.com
172.16.120.1 1719 zone prefix RALgk1 919.....
gw-type-prefix 919#* no shutdown ! ! line con 0
transport input none line aux 0 line vty 0 4 password
cisco login ! ntp server 172.16.110.10 end
```

[Verificar](#)

Esta seção fornece informações que você pode usar para verificar se sua configuração está funcionando adequadamente.

A [Output Interpreter Tool](#) ([somente clientes registrados](#)) oferece suporte a determinados

comandos show, o que permite exibir uma análise da saída do comando show.

- **a mostra debuga** — Indica os **comandos debug** que são permitidos
- **undebug todos** — Gerencie fora tudo debuga
- **porteiro da mostra** — Indica o estado do porteiro
- **log da mostra** — Indica a saída do arquivo de registro
- **show call active voice brief** — Indica uma versão abreviada dos índices da tabela de chamada ativaO indicador mostra todos os atendimentos com a conexão atual através do roteador.
- **mostre a voz ativa do atendimento** — Indica os índices da tabela de chamada ativaEste indicador mostra todos os atendimentos com a conexão atual através do roteador.
- **mostre valores-limite do porteiro** — Indica o status de registro de pontos finais ao porteiro
- **show gatekeeper call** — Indica as chamadas ativa que o porteiro processou
- **mostre o porteiro gw** — Indica o status de registro de pontos finais para o prefixo de tecnologia

Verificação do roteador Raleigh 5300A

```
Raleigh5300A# show debug ISDN: ISDN Q931 packets debugging is on ISDN Q931 packets debug DSLs.
(On/Off/No DSL:1/0/-) DSL 0 --> 7 1 - - - - - H.323 RAS: H.323 RAS Messages debugging is on
voip: voip ccAPI function enter/exit debugging is on Raleigh5300A# undebug all All possible
debugging has been turned off Raleigh5300A# show gatekeeper Gateway RAL5300A@cisco.com is
registered to Gatekeeper RALgk1 Alias list (CLI configured) H323-ID RAL5300A@cisco.com Alias
list (last RCF) H323-ID RAL5300A@cisco.com H323 resource thresholding is Disabled Raleigh5300A#
show log Syslog logging: enabled (0 messages dropped, 0 flushes, 0 overruns) Console logging:
level debugging, 1048 messages logged Monitor logging: level debugging, 0 messages logged Buffer
logging: level debugging, 1048 messages logged Trap logging: level informational, 106 message
lines logged Log Buffer (50000 bytes): Mar 28 00:22:47.624: ISDN Se0:23: RX <- SETUP pd = 8
callref = 0x30 Mar 28 00:22:47.624: Bearer Capability i = 0x8090A2 Mar 28 00:22:47.624: Channel
ID i = 0xA98393 Mar 28 00:22:47.624: Calling Party Number i = 0x2180, '9195552010', Plan:ISDN,
Type:National Mar 28 00:22:47.624: Called Party Number i = 0xA1, '4085556400', Plan:ISDN,
Type:National Mar 28 00:22:47.628: ISDN Se0:23: TX -> CALL_PROC pd = 8 callref = 0x8030 Mar 28
00:22:47.628: Channel ID i = 0xA98393 Mar 28 00:22:47.628: ISDN Se0:23: TX -> ALERTING pd = 8
callref = 0x8030 Mar 28 00:22:48.016: cc_api_call_setup_ind (vdbPtr=0x61B9ADAC,
callInfo={called=4085556400, calling=9195552010, fdest=1 peer_tag=1}, callID=0x61A088C4) Mar 28
00:22:48.020: cc_process_call_setup_ind (event=0x61BB71B8) handed call to app "SESSION" Mar 28
00:22:48.020: sess_appl: ev(23=CC_EV_CALL_SETUP_IND), cid(32), disp(0) Mar 28 00:22:48.020:
ccCallSetContext (callID=0x20, context=0x61A2C368) Mar 28 00:22:48.020: ssaCallSetupInd
finalDest cllng(9195552010), cllcd(4085556400) Mar 28 00:22:48.020: ssaSetupPeer cid(32) peer
list: tag(2) called number (4085556400) Mar 28 00:22:48.020: ssaSetupPeer cid(32),
destPat(4085556400), matched(10), prefix(), peer(61C088AC) Mar 28 00:22:48.020: ccCallProceeding
(callID=0x20, prog_ind=0x0) Mar 28 00:22:48.020: ccCallSetupRequest (Inbound call = 0x20,
outbound peer =2, dest=, params=0x61A2C37C mode=0, *callID=0x61BBE868) Mar 28 00:22:48.020:
callingNumber=9195552010, calledNumber=4085556400, redirectNumber= Mar 28 00:22:48.020:
accountNumber=, finalDestFlag=1, guid=1acb.27d8.98f4.0043.0000.0000.205d.0abc Mar 28
00:22:48.020: peer_tag=2 Mar 28 00:22:48.020: ccIFCallSetupRequest: (vdbPtr=0x6174EC64, dest=,
callParams= {called=4085556400, calling=9195552010, fdest=1, voice_peer_tag=2}, mode=0x0) Mar 28
00:22:48.020: ccCallSetContext (callID=0x21, context=0x61A8FD88) Mar 28 00:22:48.024:
RASlib::ras_sendto: msg length 115 from 172.16.120.2:51726 to 172.16.120.1:1719 Mar 28
00:22:48.024: RASLib::RASSendARQ: ARQ (seq# 12119) sent to 172.16.120.1 Mar 28 00:22:48.028:
RASLib::RASRecvData: successfully rcvd message of length 7 from 172.16.120.1:1719 Mar 28
00:22:48.028: RASLib::RASRecvData: RIP (seq# 12119) rcvd from [172.16.120.1:1719] on
sock[61A18664] Mar 28 00:22:48.044: RASLib::RASRecvData: successfully rcvd message of length 24
from 172.16.120.1:1719 Mar 28 00:22:48.044: RASLib::RASRecvData: ACF (seq# 12119) rcvd from
[172.16.120.1:1719] on sock [0x61A18664] Mar 28 00:22:49.232:
cc_api_call_alert(vdbPtr=0x6174EC64, callID=0x21, prog_ind=0x8, sig_ind=0x1) Mar 28
00:22:49.232: sess_appl: ev(7=CC_EV_CALL_ALERT), cid(33), disp(0) Mar 28 00:22:49.232:
ssaTraceSct: cid(33)st(1)oldst(0)cfid(-1) csize(0)in(0)fDest(0)-cid2(32)st2(1)oldst2(0) Mar 28
00:22:49.232: ccCallAlert (callID=0x20, prog_ind=0x8, sig_ind=0x1) Mar 28 00:22:49.232:
```


ccConferenceCreate (confID=0x61BBE8B0, callID1=0x20, callID2=0x21, tag=0x0) Mar 28 00:22:49.232:
cc_api_bridge_done (confID=0xD, srcIF=0x6174EC64, srcCallID=0x21, dstCallID=0x20, disposition=0,
tag=0x0) Mar 28 00:22:49.232: cc_api_bridge_done (confID=0xD, srcIF=0x61B9ADAC, srcCallID=0x20,
dstCallID=0x21, disposition=0, tag=0x0) Mar 28 00:22:49.232: cc_api_caps_ind
(dstVdbPtr=0x6174EC64, dstCallId=0x21, srcCallId=0x20, caps={codec=0xEBF7, fax_rate=0xFF,
vad=0x3, modem=0x3 codec_bytes=1638535964, signal_type=2}) Mar 28 00:22:49.236: sess_appl:
ev(28=CC_EV_CONF_CREATE_DONE), cid(32), disp(0) Mar 28 00:22:49.236: ssaTraceSct:
cid(32)st(3)oldst(0)cfid(13) csize(0)in(1)fDest(1)-cid2(33)st2(3)oldst2(1) Mar 28 00:22:49.844:
cc_api_caps_ind (dstVdbPtr=0x61B9ADAC, dstCallId=0x20, srcCallId=0x21, caps={codec=0x4,
fax_rate=0x2, vad=0x2, modem=0x1 codec_bytes=20, signal_type=0}) Mar 28 00:22:49.844:
cc_api_caps_ack (dstVdbPtr=0x61B9ADAC, dstCallId=0x20, srcCallId=0x21, caps={codec=0x4,
fax_rate=0x2, vad=0x2, modem=0x1 codec_bytes=20, signal_type=0}) Mar 28 00:22:49.848:
cc_api_caps_ack (dstVdbPtr=0x6174EC64, dstCallId=0x21, srcCallId=0x20, caps={codec=0x4,
fax_rate=0x2, vad=0x2, modem=0x1 codec_bytes=20, signal_type=0}) Mar 28 00:22:51.504:
cc_api_call_connected(vdbPtr=0x6174EC64, callID=0x21) Mar 28 00:22:51.508: sess_appl:
ev(8=CC_EV_CALL_CONNECTED), cid(33), disp(0) Mar 28 00:22:51.508: ssaTraceSct:
cid(33)st(4)oldst(1)cfid(13) csize(0)in(0)fDest(0)-cid2(32)st2(4)oldst2(3) Mar 28 00:22:51.508:
ccCallConnect (callID=0x20) Mar 28 00:22:51.508: ssaFlushPeerTagQueue cid(32) peer list: (empty)
Mar 28 00:22:51.508: ISDN Se0:23: TX -> CONNECT pd = 8 callref = 0x8030 Mar 28 00:22:51.564:
ISDN Se0:23: RX <- CONNECT_ACK pd = 8 callref = 0x30 Mar 28 00:22:51.564: ISDN Se0:23:
CALL_PROGRESS: CALL_CONNECTED call id 0x11, bchan -1, dsl 0 Mar 28 00:22:54.620:
cc_api_call_digit_begin (vdbPtr=0x61B9ADAC, callID=0x20, digit=1, flags=0x1,
timestamp=0xCAAF06B, expiration=0x0) Mar 28 00:22:54.620: sess_appl:
ev(10=CC_EV_CALL_DIGIT_BEGIN), cid(32), disp(0) Mar 28 00:22:54.620: ssaTraceSct:
cid(32)st(5)oldst(3)cfid(13) csize(0)in(1)fDest(1)-cid2(33)st2(5) oldst2(4) Mar 28 00:22:54.620:
ccCallDigitBegin (callID=0x21, db=0x61BBE8EC) Mar 28 00:22:54.700: cc_api_call_digit
(vdbPtr=0x61B9ADAC, callID=0x20, digit=1, duration=130) Mar 28 00:22:54.700: sess_appl:
ev(9=CC_EV_CALL_DIGIT), cid(32), disp(0) Mar 28 00:22:54.700: ssaTraceSct:
cid(32)st(5)oldst(5)cfid(13) csize(0)in(1)fDest(1)-cid2(33)st2(5) oldst2(4) Mar 28 00:22:54.700:
ccCallDigitEnd (callID=0x21, de=0x61BBE8EC) Mar 28 00:22:55.120: ISDN Se0:23: RX <- DISCONNECT
pd = 8 callref = 0x30 Mar 28 00:22:55.120: Cause i = 0x8090 - Normal call clearing Mar 28
00:22:55.120: %ISDN-6-DISCONNECT: Interface Serial0:18 disconnected from 9195552010 , call
lasted 3 seconds Mar 28 00:22:55.124: ISDN Se0:23: TX -> RELEASE pd = 8 callref = 0x8030 Mar 28
00:22:55.124: cc_api_call_disconnected(vdbPtr=0x61B9ADAC, callID=0x20, cause=0x10) Mar 28
00:22:55.124: sess_appl: ev(12=CC_EV_CALL_DISCONNECTED), cid(32), disp(0) Mar 28 00:22:55.124:
ssaTraceSct: cid(32)st(5)oldst(5)cfid(13) csize(0)in(1)fDest(1)-cid2(33)st2(5)oldst2(4) Mar 28
00:22:55.124: ssa: Disconnected cid(32) state(5) cause(0x10) Mar 28 00:22:55.124:
ccConferenceDestroy (confID=0xD, tag=0x0) Mar 28 00:22:55.124: cc_api_bridge_drop_done
(confID=0xD, srcIF=0x6174EC64, srcCallID=0x21, dstCallID=0x20, disposition=0 tag=0x0) Mar 28
00:22:55.124: cc_api_bridge_drop_done (confID=0xD, srcIF=0x61B9ADAC, srcCallID=0x20,
dstCallID=0x21, disposition=0 tag=0x0) Mar 28 00:22:55.124: sess_appl:
ev(29=CC_EV_CONF_DESTROY_DONE), cid(32), disp(0) Mar 28 00:22:55.124: ssaTraceSct:
cid(32)st(6)oldst(5)cfid(-1) csize(0)in(1)fDest(1)-cid2(33)st2(6)oldst2(4) Mar 28 00:22:55.124:
ccCallDisconnect (callID=0x20, cause=0x10 tag=0x0) Mar 28 00:22:55.124: ccCallDisconnect
(callID=0x21, cause=0x10 tag=0x0) Mar 28 00:22:55.128: RASlib::ras_sendto: msg length 76 from
172.16.120.2:51726 to 172.16.120.1:1719 Mar 28 00:22:55.128: RASlib::RASSendDRQ: DRQ (seq#
12120) sent to 172.16.120.1 Mar 28 00:22:55.132: RASlib::RASRecvData: successfully rcvd message
of length 3 from 172.16.120.1:1719 Mar 28 00:22:55.132: RASlib::RASRecvData: DCF (seq# 12120)
rcvd from [172.16.120.1:1719] on sock [0x61A18664] Mar 28 00:22:55.132:
cc_api_call_disconnect_done(vdbPtr=0x6174EC64, callID=0x21, disp=0, tag=0x0) Mar 28
00:22:55.132: sess_appl: ev(13=CC_EV_CALL_DISCONNECT_DONE), cid(33), disp(0) Mar 28
00:22:55.132: ssaTraceSct: cid(33)st(7)oldst(4)cfid(-1)
csize(0)in(0)fDest(0)-cid2(32)st2(7)oldst2(6) Mar 28 00:22:55.140:
cc_api_call_disconnect_done(vdbPtr=0x61B9ADAC, callID=0x20, disp=0, tag=0x0) Mar 28
00:22:55.140: sess_appl: ev(13=CC_EV_CALL_DISCONNECT_DONE), cid(32), disp(0) Mar 28
00:22:55.140: ssaTraceSct: cid(32)st(7)oldst(6)cfid(-1) csize(1)in(1)fDest(1) Mar 28
00:22:55.172: ISDN Se0:23: RX <- RELEASE_COMP pd = 8 callref = 0x30 Mar 28 00:23:14.251:
RASlib::ras_sendto: msg length 76 from 172.16.120.2:51726 to 172.16.120.1:1719 Mar 28
00:23:14.251: RASlib::RASSendRRQ: RRQ (seq# 12121) sent to 172.16.120.1 Mar 28 00:23:14.255:
RASlib::RASRecvData: successfully rcvd message of length 52 from 172.16.120.1:1719 Mar 28
00:23:14.255: RASlib::RASRecvData: RCF (seq# 12121) rcvd from [172.16.120.1:1719] on sock
[0x61A18664] Mar 28 00:23:59.255: RASlib::ras_sendto: msg length 76 from 172.16.120.2:51726 to
172.16.120.1:1719 Mar 28 00:23:59.255: RASlib::RASSendRRQ: RRQ (seq# 12122) sent to 172.16.120.1
Mar 28 00:23:59.259: RASlib::RASRecvData: successfully rcvd message of length 52 from

```

172.16.120.1:1719 Mar 28 00:23:59.259: RASLib::RASRecvData: RCF (seq# 12122) rcvd from
[172.16.120.1:1719] on sock [0x61A18664] Raleigh5300A# Raleigh5300A# show call active voice
brief <ID>: <start>hs.<index> +<connect> pid:<peer_id> <dir> <addr> <state> dur hh:mm:ss
tx:<packets>/<bytes> rx:<packets>/<bytes> <state> IP <ip>:<udp> rtt:<time>ms pl:<play>/<gap>ms
lost:<lost>/<early>/<late> delay:<last>/<min>/<max>ms <codec> FR
<protocol><y/n><y/n><y/n><on/off> [int dici cid] vad: dtmf: seq: sig: <codec> (payload size)
Tele <int>: tx:<tot>/<v>/<fax>ms <codec> noise:<l> acom:<l> i/o:<l>/<l> dBm 4B : 54320146hs.1
+1112 pid:1 Answer 9195552010 active dur 00:00:15 tx:954/15972 rx:259/8288 Tele 0:D:36:
tx:24500/5180/0ms g729r8 noise:-55 acom:0 i/o:-56/-44 dBm 4B : 54320146hs.2 +1112 pid:2
Originate 4085556400 active dur 00:00:15 tx:259/5180 rx:954/19080 IP 172.16.110.2:17024 rtt:4ms
pl:16250/0ms lost:0/0/0 delay:50/50/70ms g729r8 Raleigh5300A# show call active voice GENERIC:
SetupTime=54320146 ms Index=1 PeerAddress=9195552010 PeerSubAddress= PeerId=1 PeerIfIndex=56
LogicalIfIndex=26 ConnectTime=54321258 CallDuration=00:00:24 CallState=4 CallOrigin=2
ChargedUnits=0 InfoType=2 TransmitPackets=1414 TransmitBytes=20900 ReceivePackets=615
ReceiveBytes=19680 TELE: ConnectionId=[0x1ACB27D8 0x98F4004B 0x0 0x206098B4] TxDuration=33700 ms
VoiceTxDuration=12300 ms FaxTxDuration=0 ms CoderTypeRate=g729r8 NoiseLevel=-55 ACOMLevel=0
OutSignalLevel=-45 InSignalLevel=-55 InfoActivity=2 ERLLevel=19 SessionTarget= ImgPages=0
GENERIC: SetupTime=54320146 ms Index=2 PeerAddress=4085556400 PeerSubAddress= PeerId=2
PeerIfIndex=57 LogicalIfIndex=0 ConnectTime=54321258 CallDuration=00:00:24 CallState=4
CallOrigin=1 ChargedUnits=0 InfoType=2 TransmitPackets=615 TransmitBytes=12300
ReceivePackets=1415 ReceiveBytes=28300 VOIP: ConnectionId[0x1ACB27D8 0x98F4004B 0x0 0x206098B4]
RemoteIPAddress=172.16.110.2 RemoteUDPPort=17024 RoundTripDelay=4 ms SelectedQoS=best-effort
tx_DtmfRelay=inband-voice SessionProtocol=cisco SessionTarget=ras OnTimeRvPayout=25900
GapFillWithSilence=0 ms GapFillWithPrediction=0 ms GapFillWithInterpolation=0 ms
GapFillWithRedundancy=0 ms HiWaterPayoutDelay=70 ms LoWaterPayoutDelay=50 ms ReceiveDelay=50
ms LostPackets=0 EarlyPackets=0 LatePackets=0 VAD = enabled CoderTypeRate=g729r8 CodecBytes=20
SignalingType=cas Raleigh5300A#

```

Verificação para roteador Raleigh 3640A

```

Raleigh3640A# show gatekeeper end GATEKEEPER ENDPOINT REGISTRATION
===== CallSignalAddr Port RASSignalAddr Port Zone Name Type F
-----
51726 RALgk1 VOIP-GW H323-ID: RAL5300A@cisco.com Total number of active registrations = 1
Raleigh3640A# show gatekeeper gw GATEWAY TYPE PREFIX TABLE ===== Prefix:
408#* Prefix: 919#* Zone RALgk1 master gateway list: 172.16.120.2:1720 RAL5300A Raleigh3640A#
show log Syslog logging: enabled (0 messages dropped, 0 flushes, 0 overruns) Console logging:
level debugging, 239 messages logged Monitor logging: level debugging, 0 messages logged Buffer
logging: level debugging, 239 messages logged Trap logging: level informational, 106 message
lines logged Log Buffer (50000 bytes): Mar 28 00:22:48.019: RASLib::RASRecvData: successfully
rcvd message of length 115 from 172.16.120.2:51726 Mar 28 00:22:48.019: RASLib::RASRecvData: ARQ
(seq# 12119) rcvd from [172.16.120.2:51726] on sock [0x60F2F9A0] RASLib::parse_arq_nonstd: ARQ
Nonstd decode succeeded, remlen = 0 Mar 28 00:22:48.023: RASlib::ras_sendto: msg length 7 from
172.16.120.1:1719 to 172.16.120.2:51726 Mar 28 00:22:48.023: RASLib::RASSendRIP: RIP (seq#
12119) sent to 172.16.120.2 Mar 28 00:22:48.023: RASlib::RAS_WK_TInit: ipsock [0x612328CC] setup
successful Mar 28 00:22:48.027: RASlib::ras_sendto: msg length 79 from 172.16.120.1:52893 to
172.16.110.1:1719 Mar 28 00:22:48.027: RASLib::RASSendLRQ: LRQ (seq# 20) sent to 172.16.110.1
Mar 28 00:22:48.035: RASLib::RASRecvData: successfully rcvd message of length 128 from
172.16.110.1:1719 Mar 28 00:22:48.035: RASLib::RASRecvData: LCF (seq# 20) rcvd from
[172.16.110.1:1719] on sock [0x612328CC] RASLib::parse_lcf_nonstd: LCF Nonstd decode succeeded,
remlen = 0 Mar 28 00:22:48.039: RASlib::ras_sendto: msg length 24 from 172.16.120.1:1719 to
172.16.120.2:51726 Mar 28 00:22:48.039: RASLib::RASSendACF: ACF (seq# 12119) sent to
172.16.120.2 Mar 28 00:22:55.123: RASLib::RASRecvData: successfully rcvd message of length 76
from 172.16.120.2:51726 Mar 28 00:22:55.123: RASLib::RASRecvData: DRQ (seq# 12120) rcvd from
[172.16.120.2:51726] on sock [0x60F2F9A0] Mar 28 00:22:55.127: RASlib::ras_sendto: msg length 3
from 172.16.120.1:1719 to 172.16.120.2:51726 Mar 28 00:22:55.127: RASLib::RASSendDCF: DCF (seq#
12120) sent to 172.16.120.2 Mar 28 00:23:14.247: RASLib::RASRecvData: successfully rcvd message
of length 76 from 172.16.120.2:51726 Mar 28 00:23:14.251: RASLib::RASRecvData: RRQ (seq# 12121)
rcvd from [172.16.120.2:51726] on sock [0x60F2F9A0] Mar 28 00:23:14.251: RASlib::ras_sendto: msg
length 52 from 172.16.120.1:1719 to 172.16.120.2:51726 Mar 28 00:23:14.251: RASLib::RASSendRCF:
RCF (seq# 12121) sent to 172.16.120.2 Mar 28 00:23:59.251: RASLib::RASRecvData: successfully
rcvd message of length 76 from 172.16.120.2:51726 Mar 28 00:23:59.251: RASLib::RASRecvData: RRQ
(seq# 12122) rcvd from [172.16.120.2:51726] on sock [0x60F2F9A0] Mar 28 00:23:59.255:
RASlib::ras_sendto: msg length 52 from 172.16.120.1:1719 to 172.16.120.2:51726 Mar 28

```


00:23:59.255: RASLib::RASSendRCF: RCF (seq# 12122) sent to 172.16.120.2 Mar 28 00:24:44.255:
RASLib::RASRecvData: successfully rcvd message of length 76 from 172.16.120.2:51726 Mar 28
00:24:44.255: RASLib::RASRecvData: RRQ (seq# 12123) rcvd from [172.16.120.2:51726] on sock
[0x60F2F9A0] Mar 28 00:24:44.259: RASLib::ras_sendto: msg length 52 from 172.16.120.1:1719 to
172.16.120.2:51726 Mar 28 00:24:44.259: RASLib::RASSendRCF: RCF (seq# 12123) sent to
172.16.120.2 Raleigh3640A# Raleigh3640A# **show gatekeeper call** Total number of active calls = 1.
GATEKEEPER CALL INFO ===== LocalCallID Age(secs) BW 18-6872 41 64(Kbps) Endpt(s):
Alias E.164Addr CallSignalAddr Port RASSignalAddr Port src EP: RAL5300A 919552010 172.16.120.2
1720 172.16.120.2 51726 dst EP: 408#408555640 172.16.110.2 1720 172.16.110.2 1720 Raleigh3640A#

Verificação para roteador San Jose 5300A

SanJose5300A# **show gatekeeper** Gateway SJ5300A@cisco.com is registered to Gatekeeper SJgk1 Alias
list (CLI configured) H323-ID SJ5300A@cisco.com Alias list (last RCF) H323-ID SJ5300A@cisco.com
H323 resource thresholding is Disabled SanJose5300A# **show log** Syslog logging: enabled (0
messages dropped, 0 flushes, 0 overruns) Console logging: level debugging, 1695 messages logged
Monitor logging: level debugging, 0 messages logged Buffer logging: level debugging, 1695
messages logged Trap logging: level informational, 96 message lines logged Log Buffer (50000
bytes): Mar 28 00:22:48.043: RASLib::ras_sendto: msg length 122 from 172.16.110.2:52521 to
172.16.110.1:1719 Mar 28 00:22:48.043: RASLib::RASSendARQ: ARQ (seq# 12092) sent to 172.16.110.1
Mar 28 00:22:48.047: RASLib::RASRecvData: successfully rcvd message of length 24 from
172.16.110.1:1719 Mar 28 00:22:48.047: RASLib::RASRecvData: ACF (seq# 12092) rcvd from
[172.16.110.1:1719] on sock [0x61752218] Mar 28 00:22:48.047: cc_api_call_setup_ind
(vdbPtr=0x616F8D2C, callInfo={called=408#4085556400, calling=919552010, fdest=1 peer_tag=2},
callID=0x6199B54C) Mar 28 00:22:48.051: cc_process_call_setup_ind (event=0x619B3954) handed call
to app "SESSION" Mar 28 00:22:48.051: sess_appl: ev(23=CC_EV_CALL_SETUP_IND), cid(25), disp(0)
Mar 28 00:22:48.051: ccCallSetContext (callID=0x19, context=0x61A643D8) Mar 28 00:22:48.051:
ssaCallSetupInd finalDest cilng(919552010), ciled(408#4085556400) Mar 28 00:22:48.051:
ssaSetupPeer cid(25) peer list: tag(1) called number (408#4085556400) Mar 28 00:22:48.051:
ssaSetupPeer cid(25), destPat(408#4085556400), matched(11), prefix(6), peer(61A03B88) Mar 28
00:22:48.051: ccCallProceeding (callID=0x19, prog_ind=0x0) Mar 28 00:22:48.051:
ccCallSetupRequest (Inbound call = 0x19, outbound peer = 1, dest=, params=0x61A643EC mode=0,
*callID=0x619BB9F0) Mar 28 00:22:48.051: callingNumber=919552010, calledNumber=408#4085556400,
redirectNumber= Mar 28 00:22:48.051: accountNumber=, finalDestFlag=1,
guid=lacb.27d8.98f4.0043.0000.0000.205d.0abc Mar 28 00:22:48.051: peer_tag=1 Mar 28
00:22:48.051: ccIFCallSetupRequest: (vdbPtr=0x619AC884, dest=, callParams=
{called=408#4085556400, calling=919552010, fdest=1, voice_peer_tag=1}, mode=0x0) Mar 28
00:22:48.051: ccCallSetContext (callID=0x1A, context=0x61A6DCC8) Mar 28 00:22:48.235:
cc_api_call_proceeding(vdbPtr=0x619AC884, callID=0x1A, prog_ind=0x0) Mar 28 00:22:48.235:
sess_appl: ev(20=CC_EV_CALL_PROCEEDING), cid(26), disp(0) Mar 28 00:22:48.235: ssaTraceSct:
cid(26)st(1)oldst(0)cfid(-1) csize(0)in(0)fDest(0)-cid2(25)st2(1)oldst2(0) Mar 28 00:22:48.235:
ssaIgnore cid(26), st(1),oldst(1), ev(20) Mar 28 00:22:49.215:
cc_api_call_alert(vdbPtr=0x619AC884, callID=0x1A, prog_ind=0x8, sig_ind=0x1) Mar 28
00:22:49.215: sess_appl: ev(7=CC_EV_CALL_ALERT), cid(26), disp(0) Mar 28 00:22:49.215:
ssaTraceSct: cid(26)st(1)oldst(1)cfid(-1) csize(0)in(0)fDest(0) -cid2(25)st2(1)oldst2(0) Mar 28
00:22:49.215: ccCallAlert (callID=0x19, prog_ind=0x8, sig_ind=0x1) Mar 28 00:22:49.215:
ccConferenceCreate (confID=0x619BBA38, callID1=0x19, callID2=0x1A, tag=0x0) Mar 28 00:22:49.219:
cc_api_bridge_done (confID=0xD, srcIF=0x616F8D2C, srcCallID=0x19, dstCallID=0x1A, disposition=0,
tag=0x0) Mar 28 00:22:49.219: cc_api_bridge_done (confID=0xD, srcIF=0x619AC884, srcCallID=0x1A,
dstCallID=0x19, disposition=0, tag=0x0) Mar 28 00:22:49.219: cc_api_caps_ind
(dstVdbPtr=0x616F8D2C, dstCallId=0x19, srcCallId=0x1A, caps={codec=0xEBF7, fax_rate=0xFF,
vad=0x3, modem=0x3codec_bytes=1637472312, signal_type=2}) Mar 28 00:22:49.219: sess_appl:
ev(28=CC_EV_CONF_CREATE_DONE), cid(25), disp(0) Mar 28 00:22:49.219: ssaTraceSct:
cid(25)st(3)oldst(0)cfid(13) csize(0)in(1)fDest(1)-cid2(26)st2(3)oldst2(1) Mar 28 00:22:49.631:
cc_api_caps_ind (dstVdbPtr=0x619AC884, dstCallId=0x1A, srcCallId=0x19 caps={codec=0x4,
fax_rate=0x2, vad=0x2, modem=0x1 codec_bytes=20, signal_type=0}) Mar 28 00:22:49.631:
cc_api_caps_ack (dstVdbPtr=0x619AC884, dstCallId=0x1A, srcCallId=0x19, caps={codec=0x4,
fax_rate=0x2, vad=0x2, modem=0x1 codec_bytes=20, signal_type=0}) Mar 28 00:22:49.635:
cc_api_caps_ack (dstVdbPtr=0x616F8D2C, dstCallId=0x19, srcCallId=0x1A, caps={codec=0x4,
fax_rate=0x2, vad=0x2, modem=0x1 codec_bytes=20, signal_type=0}) Mar 28 00:22:51.491:
cc_api_call_connected(vdbPtr=0x619AC884, callID=0x1A) Mar 28 00:22:51.491: sess_appl:
ev(8=CC_EV_CALL_CONNECTED), cid(26), disp(0) Mar 28 00:22:51.491: ssaTraceSct:
cid(26)st(4)oldst(1)cfid(13) csize(0)in(0)fDest(0)-cid2(25)st2(4)oldst2(3) Mar 28 00:22:51.491:
ccCallConnect (callID=0x19) Mar 28 00:22:51.491: ssaFlushPeerTagQueue cid(25) peer list: (empty)

Mar 28 00:22:55.119: cc_api_call_disconnected(vdbPtr=0x0, callID=0x19, cause=0x10) Mar 28
00:22:55.119: sess_appl: ev(12=CC_EV_CALL_DISCONNECTED), cid(25), disp(0) Mar 28 00:22:55.119:
ssaTraceSct: cid(25)st(5)oldst(3)cfid(13) csize(0)in(1)fDest(1)-cid2(26) st2(5)oldst2(4) Mar 28
00:22:55.119: ssa: Disconnected cid(25) state(5) cause(0x10) Mar 28 00:22:55.119:
ccConferenceDestroy (confID=0xD, tag=0x0) Mar 28 00:22:55.119: cc_api_bridge_drop_done
(confID=0xD, srcIF=0x616F8D2C, srcCallID=0x19, dstCallID=0x1A, disposition=0 tag=0x0) Mar 28
00:22:55.119: cc_api_bridge_drop_done (confID=0xD, srcIF=0x619AC884, srcCallID=0x1A,
dstCallID=0x19, disposition=0 tag=0x0) Mar 28 00:22:55.119: sess_appl:
ev(29=CC_EV_CONF_DESTROY_DONE), cid(25), disp(0) Mar 28 00:22:55.119: ssaTraceSct:
cid(25)st(6)oldst(5)cfid(-1) csize(0)in(1)fDest(1)-cid2(26)st2(6)oldst2(4) Mar 28 00:22:55.119:
ccCallDisconnect (callID=0x19, cause=0x10 tag=0x0) Mar 28 00:22:55.119: ccCallDisconnect
(callID=0x1A, cause=0x10 tag=0x0) Mar 28 00:22:55.123: RASLib::ras_sendto: msg length 76 from
172.16.110.2:52521 to 172.16.110.1:1719 Mar 28 00:22:55.123: RASLib::RASSendDRQ: DRQ (seq#
12093) sent to 172.16.110.1 Mar 28 00:22:55.127: RASLib::RASRecvData: successfully rcvd message
of length 3 from 172.16.110.1:1719 Mar 28 00:22:55.127: RASLib::RASRecvData: DCF (seq# 12093)
rcvd from [172.16.110.1:1719] on sock [0x61752218] Mar 28 00:22:55.127:
cc_api_call_disconnect_done(vdbPtr=0x0, callID=0x19, disp=0, tag=0x0) Mar 28 00:22:55.127:
sess_appl: ev(13=CC_EV_CALL_DISCONNECT_DONE), cid(25), disp(0) Mar 28 00:22:55.127: ssaTraceSct:
cid(25)st(7)oldst(6)cfid(-1) csize(0)in(1)fDest(1)-cid2(26)st2 (7)oldst2(4) Mar 28 00:22:55.139:
cc_api_call_disconnect_done(vdbPtr=0x619AC884, callID=0x1A, disp=0, tag=0x61A630BC) Mar 28
00:22:55.139: sess_appl: ev(13=CC_EV_CALL_DISCONNECT_DONE), cid(26), disp(0) Mar 28
00:22:55.139: ssaTraceSct: cid(26)st(7)oldst(4)cfid(-1) csize(1)in(0)fDest(0) Mar 28
00:22:55.443: RASLib::ras_sendto: msg length 74 from 172.16.110.2:52521 to 172.16.110.1:1719 Mar
28 00:22:55.443: RASLib::RASSendRRQ: RRQ (seq# 12094) sent to 172.16.110.1 Mar 28 00:22:55.447:
RASLib::RASRecvData: successfully rcvd message of length 52 from 172.16.110.1:1719 Mar 28
00:22:55.447: RASLib::RASRecvData: RCF (seq# 12094) rcvd from [172.16.110.1:1719] on sock
[0x61752218] Mar 28 00:23:40.448: RASLib::ras_sendto: msg length 74 from 172.16.110.2:52521 to
172.16.110.1:1719 Mar 28 00:23:40.448: RASLib::RASSendRRQ: RRQ (seq# 12095) sent to 172.16.110.1
Mar 28 00:23:40.452: RASLib::RASRecvData: successfully rcvd message of length 52 from
172.16.110.1:1719 Mar 28 00:23:40.452: RASLib::RASRecvData: RCF (seq# 12095) rcvd from
[172.16.110.1:1719] on sock [0x61752218] Mar 28 00:24:25.452: RASLib::ras_sendto: msg length 74
from 172.16.110.2:52521 to 172.16.110.1:1719 Mar 28 00:24:25.452: RASLib::RASSendRRQ: RRQ (seq#
12096) sent to 172.16.110.1 Mar 28 00:24:25.456: RASLib::RASRecvData: successfully rcvd message
of length 52 from 172.16.110.1:1719 Mar 28 00:24:25.456: RASLib::RASRecvData: RCF (seq# 12096)
rcvd from [172.16.110.1:1719] on sock [0x61752218] Mar 28 00:25:10.457: RASLib::ras_sendto: msg
length 74 from 172.16.110.2:52521 to 172.16.110.1:1719 Mar 28 00:25:10.457: RASLib::RASSendRRQ:
RRQ (seq# 12097) sent to 172.16.110.1 Mar 28 00:25:10.461: RASLib::RASRecvData: successfully
rcvd message of length 52 from 172.16.110.1:1719 Mar 28 00:25:10.461: RASLib::RASRecvData: RCF
(seq# 12097) rcvd from [172.16.110.1:1719] on sock [0x61752218] SanJose5300A# Raleigh5300A# **show
call active voice brief** <ID>: <start>hs.<index> +<connect> pid:<peer_id> <dir> <addr> <state>
dur hh:mm:ss tx:<packets>/<bytes> rx:<packets>/<bytes> <state> IP <ip>:<udp> rtt:<time>ms
pl:<play>/<gap>ms lost:<lost>/<early>/<late> delay:<last>/<min>/<max>ms <codec> FR
<protocol><y/n><y/n><y/n><on/off> [int dici cid] vad: dtmf: seq: sig: <codec> (payload size)
Tele <int>: tx:<tot>/<v>/<fax>ms <codec> noise:<l> acom:<l> i/o:<l>/<l> dBm 4B : 54285525hs.1
+1107 pid:2 Answer 9195552010 active dur 00:00:38 tx:2106/42120 rx:1023/20460 IP
172.16.120.2:17698 rtt:4ms pl:19920/0ms lost:0/0/0 delay:30/30/70ms g729r8 4B : 54285543hs.1
+1089 pid:1 Originate 408#4085556400 active dur 00:00:38 tx:1023/-5040 rx:2125/68000 Tele 0:1
(30): tx:47730/42500/0ms g729r8 noise:-72 acom:0 i/o:-41/-41 dBm SanJose5300A# **show call active
voice** GENERIC: SetupTime=54285525 ms Index=1 PeerAddress=9195552010 PeerSubAddress= PeerId=2
PeerIfIndex=17 LogicalIfIndex=0 ConnectTime=54286632 CallDuration=00:00:44 CallState=4
CallOrigin=2 ChargedUnits=0 InfoType=2 TransmitPackets=2415 TransmitBytes=48300
ReceivePackets=1055 ReceiveBytes=21100 VOIP: ConnectionId[0x1ACB27D8 0x98F4004B 0x0 0x206098B4]
RemoteIPAddress=172.16.120.2 RemoteUDPPort=17698 RoundTripDelay=65535 ms SelectedQoS=best-effort
tx_DtmfRelay=inband-voice SessionProtocol=cisco SessionTarget= OnTimeRvPlayout=21090
GapFillWithSilence=0 ms GapFillWithPrediction=0 ms GapFillWithInterpolation=0 ms
GapFillWithRedundancy=0 ms HiWaterPlayoutDelay=70 ms LoWaterPlayoutDelay=30 ms ReceiveDelay=30
ms LostPackets=0 EarlyPackets=0 LatePackets=0 VAD = enabled CoderTypeRate=g729r8 CodecBytes=20
SignalingType=cas GENERIC: SetupTime=54285543 ms Index=1 PeerAddress=408#4085556400
PeerSubAddress= PeerId=1 PeerIfIndex=16 LogicalIfIndex=13 ConnectTime=54286632
CallDuration=00:00:44 CallState=4 CallOrigin=1 ChargedUnits=0 InfoType=2 TransmitPackets=1055
TransmitBytes=-8108 ReceivePackets=2434 ReceiveBytes=77888 TELE: ConnectionId=[0x1ACB27D8
0x98F4004B 0x0 0x206098B4] TxDuration=53920 ms VoiceTxDuration=48690 ms FaxTxDuration=0 ms
CoderTypeRate=g729r8 NoiseLevel=-72 ACOMLevel=0 OutSignalLevel=-71 InSignalLevel=-43
InfoActivity=2 ERLLevel=9 SessionTarget= ImgPages=0 SanJose5300A#

Verificação para San Jose 3640A Router

```
SanJose3640A# show gatekeeper end GATEKEEPER ENDPOINT REGISTRATION
===== CallSignalAddr Port RASSignalAddr Port Zone Name Type F
-----
52521 SJgk1 VOIP-GW H323-ID: SJ5300A@cisco.com Total number of active registrations = 1
SanJose3640A# show gatekeeper gw GATEWAY TYPE PREFIX TABLE ===== Prefix:
919#* Prefix: 408#* Zone SJgk1 master gateway list: 172.16.110.2:1720 SJ5300A SanJose3640A# show
log Syslog logging: enabled (0 messages dropped, 0 flushes, 0 overruns) Console logging: level
debugging, 1266 messages logged Monitor logging: level debugging, 0 messages logged Buffer
logging: level debugging, 1258 messages logged Trap logging: level informational, 102 message
lines logged Log Buffer (50000 bytes): Mar 28 00:22:48.025: RASLib::RASRecvData: successfully
rcvd message of length 79 from 172.16.120.1:52893 Mar 28 00:22:48.029: RASLib::RASRecvData: LRQ
(seq# 20) rcvd from [172.16.120.1:52893] on sock [0x60FE9B04] RASLib::parse_lrq_nonstd: LRQ
Nonstd decode succeeded, remlen = 0 Mar 28 00:22:48.033: RASLib::ras_sendto: msg length 128 from
172.16.110.1:1719 to 172.16.120.1:52893 Mar 28 00:22:48.033: RASLib::RASSendLCF: LCF (seq# 20)
sent to 172.16.120.1 Mar 28 00:22:48.049: RASLib::RASRecvData: successfully rcvd message of
length 122 from 172.16.110.2:52521 Mar 28 00:22:48.049: RASLib::RASRecvData: ARQ (seq# 12092)
rcvd from [172.16.110.2:52521] on sock [0x60FE9B04] RASLib::parse_arq_nonstd: ARQ Nonstd decode
succeeded, remlen = 0 Mar 28 00:22:48.053: RASLib::ras_sendto: msg length 24 from
172.16.110.1:1719 to 172.16.110.2:52521 Mar 28 00:22:48.053: RASLib::RASSendACF: ACF (seq#
12092) sent to 172.16.110.2 Mar 28 00:22:55.129: RASLib::RASRecvData: successfully rcvd message
of length 76 from 172.16.110.2:52521 Mar 28 00:22:55.129: RASLib::RASRecvData: DRQ (seq# 12093)
rcvd from [172.16.110.2:52521] on sock [0x60FE9B04] Mar 28 00:22:55.129: RASLib::ras_sendto: msg
length 3 from 172.16.110.1:1719 to 172.16.110.2:52521 Mar 28 00:22:55.129: RASLib::RASSendDCF:
DCF (seq# 12093) sent to 172.16.110.2 Mar 28 00:22:55.449: RASLib::RASRecvData: successfully
rcvd message of length 74 from 172.16.110.2:52521 Mar 28 00:22:55.449: RASLib::RASRecvData: RRQ
(seq# 12094) rcvd from [172.16.110.2:52521] on sock [0x60FE9B04] Mar 28 00:22:55.453:
RASLib::ras_sendto: msg length 52 from 172.16.110.1:1719 to 172.16.110.2:52521 Mar 28
00:22:55.453: RASLib::RASSendRCF: RCF (seq# 12094) sent to 172.16.110.2 Mar 28 00:23:40.453:
RASLib::RASRecvData: successfully rcvd message of length 74 from 172.16.110.2:52521 Mar 28
00:23:40.457: RASLib::RASRecvData: RRQ (seq# 12095) rcvd from [172.16.110.2:52521] on sock
[0x60FE9B04] Mar 28 00:23:40.457: RASLib::ras_sendto: msg length 52 from 172.16.110.1:1719 to
172.16.110.2:52521 Mar 28 00:23:40.457: RASLib::RASSendRCF: RCF (seq# 12095) sent to
172.16.110.2 Mar 28 00:24:25.457: RASLib::RASRecvData: successfully rcvd message of length 74
from 172.16.110.2:52521 Mar 28 00:24:25.461: RASLib::RASRecvData: RRQ (seq# 12096) rcvd from
[172.16.110.2:52521] on sock [0x60FE9B04] Mar 28 00:24:25.461: RASLib::ras_sendto: msg length 52
from 172.16.110.1:1719 to 172.16.110.2:52521 Mar 28 00:24:25.461: RASLib::RASSendRCF: RCF (seq#
12096) sent to 172.16.110.2 Mar 28 00:25:10.465: RASLib::RASRecvData: successfully rcvd message
of length 74 from 172.16.110.2:52521 Mar 28 00:25:10.465: RASLib::RASRecvData: RRQ (seq# 12097)
rcvd from [172.16.110.2:52521] on sock [0x60FE9B04] Mar 28 00:25:10.465: RASLib::ras_sendto: msg
length 52 from 172.16.110.1:1719 to 172.16.110.2:52521 Mar 28 00:25:10.469: RASLib::RASSendRCF:
RCF (seq# 12097) sent to 172.16.110.2 SanJose3640A# SanJose3640A# show gatekeeper call Total
number of active calls = 1
```

Informações de chamada de gatekeeper

```
.
GATEKEEPER CALL INFO
=====
LocalCallID          Age(secs)    BW
15-6872              60           64(Kbps)
  Endpt(s): Alias    E.164Addr    CallSignalAddr  Port  RASSignalAddr  Port
  src EP:            9195552010
  dst EP: SJ5300A    408#408555640 172.16.110.2    1720  172.16.110.2    52521
```

SanJose3640A#

Troubleshooting

Esta seção fornece informações que podem ser usadas para o troubleshooting da sua

configuração.

Comandos para Troubleshooting

Nota: [Antes de emitir comandos de depuração, consulte Informações Importantes sobre Comandos de Depuração.](#)

- [debugar ras](#)
- [debugar o asn1 h245](#)
- [debug h225 asn1](#)

Nota: Refira a [compreensão e pesquisando defeitos o porteiro TTL e o processo de envelhecimento](#). Este documento descreve como o gatekeeper Cisco envelhece para fora os valores-limite com uso do valor do Time to Live (TTL).

Informações Relacionadas

- [Suporte à Tecnologia de Voz](#)
- [Suporte de Produtos de Comunicação de Voz e de IP](#)
- [Troubleshooting da Telefonia IP Cisco](#)
- [Suporte Técnico e Documentação - Cisco Systems](#)