Índice

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: Lá é 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 finaisEsta 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 da **interface de voip h323?gateway**. Neste caso, os gateways são AS5300, e o porteiro é os 3640.
- **O destino de sessão no seletor?** pontos do comando do **voip da Voz 2 do par ao** registo, 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 porteiroEnvia pedidos de admissão para cada atendimentoConduz 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? o prefixo**) esse combina 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 **seletor? o voip da Voz 2 do par** 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 runBuilding 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 12.1service
timestamps debug datetime msecservice timestamps log
datetime msecno service password?encryption!hostname
Raleigh5300A!logging buffered 50000 debuggingenable
secret < password > [Choose a strong password with at
least one capital letter, one number, and one special
character.]!!!resource?pool disable!!!!!clock
calendar?validip subnet?zero!isdn switch?type
primary?5essisdn voice?call?failure 0mta 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 classlessip route
172.16.110.0 255.255.255.0 172.16.120.10no ip http
server!line con 0 transport input noneline 1 48
transport output lat pad telnet rlogin udptn v120
lapb?taline aux 0line vty 0 4 password cisco login!ntp
clock?period 17179850ntp server 172.16.110.10end
```

Raleigh 3640A

```
Raleigh3640A# show runBuilding configuration...Current
configuration:!version 12.1service timestamps debug
datetime msecservice timestamps log datetime msecno
service password?encryption!hostname
Raleigh3640A!logging buffered 50000 debuggingenable
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 classlessip route
172.16.110.0 255.255.255.0 172.16.120.10no 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 noneline aux 0line vty 0 4
password cisco login!ntp clock?period 17179864ntp server
172.16.110.10end
```

SÃO JOSÉ 5300A

```
SanJose5300A# show runBuilding 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 12.1service
timestamps debug datetime msecservice timestamps log
datetime msecno service password?encryption!hostname
SanJose5300A!logging buffered 50000 debuggingenable
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 0mta 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 classlessip route 172.16.120.0
255.255.255.0 172.16.110.10no ip http server!!!line con
0 transport input noneline aux 0line vty 0 4 password
cisco login!ntp clock?period 17179892ntp server
172.16.110.10end
```

SÃO JOSÉ 3640A

```
SanJose3640A# show runBuilding configuration...Current
configuration:!! NVRAM config last updated at 00:05:33
UTC Tue Mar 28 2000!version 12.1service timestamps debug
datetime msecservice timestamps log datetime msecno
service password?encryption!hostname SanJose3640A!boot
system flash c3640?ix?mz.120?7.Tlogging buffered 50000
debuggingenable 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 classlessip route 172.16.120.0 255.255.255.0
172.16.110.10no 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 noneline aux 0line
vty 0 4 password cisco login!ntp server 172.16.110.10end
```

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 todo**? Gira fora tudo debuga

- **mostre o porteiro**? Indica o estado do porteiro
- **mostre o log**? Indica a saída do arquivo de registro
- **show call ative 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 debugISDN:  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 onvoip:  voip ccAPI function enter/exit debugging is onRaleigh5300A# undebug allAll possible
debugging has been turned offRaleigh5300A# show gatekeeper Gateway  RAL5300A@cisco.com  is
registered to Gatekeeper RALgk1Alias list (CLI configured)  H323?ID RAL5300A@cisco.comAlias list
(last RCF)  H323?ID RAL5300A@cisco.comH323 resource thresholding is DisabledRaleigh5300A# show
logSyslog 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 loggedLog Buffer (50000 bytes):Mar 28 00:22:47.624: ISDN Se0:23: RX <?  SETUP pd = 8
callref = 0x30Mar 28 00:22:47.624:         Bearer Capability i = 0x8090A2Mar 28 00:22:47.624:
Channel ID i = 0xA98393Mar 28 00:22:47.624:  Calling Party Number i = 0x2180, '9195552010',
Plan:ISDN, Type:NationalMar 28 00:22:47.624:  Called Party Number i = 0xA1, '4085556400',
Plan:ISDN, Type:NationalMar 28 00:22:47.628: ISDN Se0:23: TX ?>  CALL_PROC pd = 8  callref =
0x8030Mar 28 00:22:47.628:         Channel ID i = 0xA98393Mar 28 00:22:47.628: ISDN Se0:23: TX
?>  ALERTING pd = 8  callref = 0x8030Mar 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), clled(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.0abcMar 28 00:22:48.020:
peer_tag=2Mar 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 172.16.120.1:1719Mar 28
00:22:48.024: RASLib::RASSendARQ: ARQ (seq# 12119) sent to 172.16.120.1Mar 28 00:22:48.028:
RASLib::RASRecvData: successfully rcvd message of length 7 from 172.16.120.1:1719Mar 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 172.16.120.1:1719Mar 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 = 0x8030Mar 28
00:22:51.564: ISDN Se0:23: RX <? CONNECT_ACK pd = 8 callref = 0x30Mar 28 00:22:51.564: ISDN
Se0:23: CALL_PROGRESS: CALL_CONNECTED call id 0x11, bchan ?1, dsl 0Mar 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 = 0x30Mar 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 secondsMar 28 00:22:55.124: ISDN Se0:23: TX ?> RELEASE pd = 8 callref = 0x8030Mar 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 172.16.120.1:1719Mar 28 00:22:55.128: RASLib::RASSendDRQ: DRQ (seq# 12120)
sent to 172.16.120.1Mar 28 00:22:55.132: RASLib::RASRecvData: successfully rcvd message of
length 3 from 172.16.120.1:1719Mar 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 = 0x30Mar 28 00:23:14.251: RASlib::ras_sendto: msg length 76 from
172.16.120.2:51726 to 172.16.120.1:1719Mar 28 00:23:14.251: RASLib::RASSendRRQ: RRQ (seq# 12121)
sent to 172.16.120.1Mar 28 00:23:14.255: RASLib::RASRecvData: successfully rcvd message of
length 52 from 172.16.120.1:1719Mar 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 172.16.120.1:1719Mar 28 00:23:59.255: RASLib::RASSendRRQ: RRQ
(seq# 12122) sent to 172.16.120.1Mar 28 00:23:59.259: RASLib::RASRecvData: successfully rcvd
message of length 52 from 172.16.120.1:1719Mar 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> dBm4B   : 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/0:?56/?44 dBm4B   : 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 g729r8Raleigh5300A# **show call active voice**
GENERIC:SetupTime=54320146
msIndex=1PeerAddress=9195552010PeerSubAddress=PeerId=1PeerIfIndex=56LogicalIfIndex=26ConnectTime
=54321258CallDuration=00:00:24CallState=4CallOrigin=2ChargedUnits=0InfoType=2TransmitPackets=141
4TransmitBytes=20900ReceivePackets=615ReceiveBytes=19680TELE:ConnectionId=[0x1ACB27D8 0x98F4004B
0x0 0x206098B4]TxDuration=33700 msVoiceTxDuration=12300 msFaxTxDuration=0
msCoderTypeRate=g729r8NoiseLevel=?55ACOMLevel=0OutSignalLevel=?45InSignalLevel=?55InfoActivity=2
ERLLevel=19SessionTarget=ImgPages=0 GENERIC:SetupTime=54320146
msIndex=2PeerAddress=4085556400PeerSubAddress=PeerId=2PeerIfIndex=57LogicalIfIndex=0ConnectTime=
54321258CallDuration=00:00:24CallState=4CallOrigin=1ChargedUnits=0InfoType=2TransmitPackets=615T
ransmitBytes=12300ReceivePackets=1415ReceiveBytes=28300VOIP:ConnectionId[0x1ACB27D8 0x98F4004B
0x0 0x206098B4]RemoteIPAddress=172.16.110.2RemoteUDPPort=17024RoundTripDelay=4
msSelectedQoS=best?efforttx_DtmfRelay=inband?voiceSessionProtocol=ciscoSessionTarget=rasOnTimeRv
Playout=25900GapFillWithSilence=0 msGapFillWithPrediction=0 msGapFillWithInterpolation=0
msGapFillWithRedundancy=0 msHiWaterPlayoutDelay=70 msLoWaterPlayoutDelay=50 msReceiveDelay=50
msLostPackets=0EarlyPackets=0LatePackets=0VAD =
enabledCoderTypeRate=g729r8CodecBytes=20SignalingType=casRaleigh5300A#

Verificação para roteador Raleigh 3640A

Raleigh3640A# **show gatekeeper end**   GATEKEEPER ENDPOINT REGISTRATION
==========CallSignalAddr Port RASSignalAddr   Port Zone Name
Type   F ?????????????? ????? ?????????????? ????? ????????   ????   ??172.16.120.2
1720 172.16.120.2   51726 RALgk1   VOIP?GW   H323?ID: RAL5300A@cisco.comTotal
number of active registrations = 1Raleigh3640A# **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 loggedLog Buffer (50000
bytes):Mar 28 00:22:48.019: RASLib::RASRecvData: successfully rcvd message of length 115 from
172.16.120.2:51726Mar 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 = 0Mar 28 00:22:48.023: RASlib::ras_sendto: msg length 7 from
172.16.120.1:1719 to 172.16.120.2:51726Mar 28 00:22:48.023: RASLib::RASSendRIP: RIP (seq# 12119)
sent to 172.16.120.2Mar 28 00:22:48.023: RASLib::RAS_WK_TInit: ipsock [0x612328CC] setup
successfulMar 28 00:22:48.027:   RASlib::ras_sendto: msg length 79 from 172.16.120.1:52893
to 172.16.110.1:1719Mar 28 00:22:48.027: RASLib::RASSendLRQ: LRQ (seq# 20) sent to
172.16.110.1Mar 28 00:22:48.035: RASLib::RASRecvData: successfully rcvd message of length 128
from 172.16.110.1:1719Mar 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 = 0Mar 28 00:22:48.039: RASlib::ras_sendto: msg length 24 from 172.16.120.1:1719 to
172.16.120.2:51726Mar 28 00:22:48.039: RASLib::RASSendACF: ACF (seq# 12119) sent to
172.16.120.2Mar 28 00:22:55.123: RASLib::RASRecvData: successfully rcvd message of length 76
from 172.16.120.2:51726Mar 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 172.16.120.2:51726Mar 28 00:22:55.127: RASLib::RASSendDCF: DCF (seq#
12120) sent to 172.16.120.2Mar 28 00:23:14.247: RASLib::RASRecvData: successfully rcvd message
of length 76 from 172.16.120.2:51726Mar 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 172.16.120.2:51726Mar 28 00:23:14.251: RASLib::RASSendRCF:
RCF (seq# 12121) sent to 172.16.120.2Mar 28 00:23:59.251: RASLib::RASRecvData: successfully rcvd
message of length 76 from 172.16.120.2:51726Mar 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 172.16.120.2:51726Mar 28
00:23:59.255: RASLib::RASSendRCF: RCF (seq# 12122) sent to 172.16.120.2Mar 28 00:24:44.255:
RASLib::RASRecvData: successfully rcvd message of length 76 from 172.16.120.2:51726Mar 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
172.16.120.2:51726Mar 28 00:24:44.259: RASLib::RASSendRCF: RCF (seq# 12123) sent to
172.16.120.2Raleigh3640A#Raleigh3640A# **show gatekeeper call**Total number of active calls = 1.
GATEKEEPER CALL INFO   ==========LocalCallID

```
Age(secs)   BW18?6872                          41          64(Kbps) Endpt(s): Alias
E.164Addr     CallSignalAddr  Port  RASSignalAddr   Port   src EP: RAL5300A     9195552010
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 SJgk1Alias
list (CLI configured)  H323?ID SJ5300A@cisco.comAlias list (last RCF)  H323?ID SJ5300A@cisco.com
H323 resource thresholding is DisabledSanJose5300A# show logSyslog 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 loggedLog Buffer (50000
bytes):Mar 28 00:22:48.043: RASlib::ras_sendto: msg length 122 from 172.16.110.2:52521 to
172.16.110.1:1719Mar 28 00:22:48.043: RASLib::RASSendARQ: ARQ (seq# 12092) sent to
172.16.110.1Mar 28 00:22:48.047: RASLib::RASRecvData: successfully rcvd message of length 24
from 172.16.110.1:1719Mar 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=9195552010, 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 cllng(9195552010), clled(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=9195552010, calledNumber=408#4085556400,
redirectNumber=Mar 28 00:22:48.051: accountNumber=,
finalDestFlag=1,guid=1acb.27d8.98f4.0043.0000.0000.205d.0abcMar 28 00:22:48.051: peer_tag=1Mar
28 00:22:48.051: ccIFCallSetupRequest: (vdbPtr=0x619AC884, dest=,
callParams={called=408#4085556400, calling=9195552010, 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 172.16.110.1:1719Mar 28 00:22:55.123: RASLib::RASSendDRQ: DRQ (seq# 12093) sent to 172.16.110.1Mar 28 00:22:55.127: RASLib::RASRecvData: successfully rcvd message of length 3 from 172.16.110.1:1719Mar 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 172.16.110.1:1719Mar 28 00:22:55.443: RASLib::RASSendRRQ: RRQ (seq# 12094) sent to 172.16.110.1Mar 28 00:22:55.447: RASLib::RASRecvData: successfully rcvd message of length 52 from 172.16.110.1:1719Mar 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 172.16.110.1:1719Mar 28 00:23:40.448: RASLib::RASSendRRQ: RRQ (seq# 12095) sent to 172.16.110.1Mar 28 00:23:40.452: RASLib::RASRecvData: successfully rcvd message of length 52 from 172.16.110.1:1719Mar 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 172.16.110.1:1719Mar 28 00:24:25.452: RASLib::RASSendRRQ: RRQ (seq# 12096) sent to 172.16.110.1Mar 28 00:24:25.456: RASLib::RASRecvData: successfully rcvd message of length 52 from 172.16.110.1:1719Mar 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 172.16.110.1:1719Mar 28 00:25:10.457: RASLib::RASSendRRQ: RRQ (seq# 12097) sent to 172.16.110.1Mar 28 00:25:10.461: RASLib::RASRecvData: successfully rcvd message of length 52 from 172.16.110.1:1719Mar 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> dBm4B : 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 g729r84B : 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/0:?41/?41 dBmSanJose5300A# **show call active voice** GENERIC:SetupTime=54285525 msIndex=1PeerAddress=9195552010PeerSubAddress=PeerId=2PeerIfIndex=17LogicalIfIndex=0ConnectTime=54286632CallDuration=00:00:44CallState=4CallOrigin=2ChargedUnits=0InfoType=2TransmitPackets=2415 TransmitBytes=48300ReceivePackets=1055ReceiveBytes=21100VOIP:ConnectionId[0x1ACB27D8 0x98F4004B 0x0 0x206098B4]RemoteIPAddress=172.16.120.2RemoteUDPPort=17698RoundTripDelay=65535 msSelectedQoS=best?efforttx_DtmfRelay=inband?voiceSessionProtocol=ciscoSessionTarget=OnTimeRvPlayout=21090GapFillWithSilence=0 msGapFillWithPrediction=0 msGapFillWithInterpolation=0 msGapFillWithRedundancy=0 msHiWaterPlayoutDelay=70 msLoWaterPlayoutDelay=30 msReceiveDelay=30 msLostPackets=0EarlyPackets=0LatePackets=0VAD = enabledCoderTypeRate=g729r8CodecBytes=20SignalingType=cas GENERIC:SetupTime=54285543 msIndex=1PeerAddress=408#4085556400PeerSubAddress=PeerId=1PeerIfIndex=16LogicalIfIndex=13ConnectTime=54286632CallDuration=00:00:44CallState=4CallOrigin=1ChargedUnits=0InfoType=2TransmitPackets=1055TransmitBytes=?8108ReceivePackets=2434ReceiveBytes=77888TELE:ConnectionId=[0x1ACB27D8 0x98F4004B 0x0 0x206098B4]TxDuration=53920 msVoiceTxDuration=48690 msFaxTxDuration=0 msCoderTypeRate=g729r8NoiseLevel=?72ACOMLevel=0OutSignalLevel=?71InSignalLevel=?43InfoActivity=2ERLLevel=9SessionTarget=ImgPages=0SanJose5300A#

Verificação para San Jose 3640A Router

SanJose3640A# **show gatekeeper end** GATEKEEPER ENDPOINT REGISTRATION
==========CallSignalAddr Port RASSignalAddr Port Zone Name

```
Type    F ?????????????? ????? ?????????????? ????? ?????????         ????    ??172.16.110.2
1720  172.16.110.2    52521 SJgk1             VOIP?GW      H323?ID: SJ5300A@cisco.comTotal
number of active registrations = 1SanJose3640A# show gatekeeper gwGATEWAY TYPE PREFIX
TABLE========================Prefix: 919#*Prefix: 408#*  Zone SJgk1 master gateway list:
172.16.110.2:1720 SJ5300A SanJose3640A# show logSyslog 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 loggedLog Buffer (50000
bytes):Mar 28 00:22:48.025: RASLib::RASRecvData: successfully rcvd message of length 79 from
172.16.120.1:52893Mar 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 = 0Mar 28 00:22:48.033: RASlib::ras_sendto: msg length 128 from 172.16.110.1:1719 to
172.16.120.1:52893Mar 28 00:22:48.033: RASLib::RASSendLCF: LCF (seq# 20) sent to 172.16.120.1Mar
28 00:22:48.049: RASLib::RASRecvData: successfully rcvd message of length 122 from
172.16.110.2:52521Mar 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 = 0Mar 28 00:22:48.053: RASlib::ras_sendto: msg length 24 from 172.16.110.1:1719 to
172.16.110.2:52521Mar 28 00:22:48.053: RASLib::RASSendACF: ACF (seq# 12092) sent to
172.16.110.2Mar 28 00:22:55.129: RASLib::RASRecvData: successfully rcvd message of length 76
from 172.16.110.2:52521Mar 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 172.16.110.2:52521Mar 28 00:22:55.129: RASLib::RASSendDCF: DCF (seq#
12093) sent to 172.16.110.2Mar 28 00:22:55.449: RASLib::RASRecvData: successfully rcvd message
of length 74 from 172.16.110.2:52521Mar 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 172.16.110.2:52521Mar 28 00:22:55.453: RASLib::RASSendRCF:
RCF (seq# 12094) sent to 172.16.110.2Mar 28 00:23:40.453: RASLib::RASRecvData: successfully rcvd
message of length 74 from 172.16.110.2:52521Mar 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 172.16.110.2:52521Mar 28
00:23:40.457: RASLib::RASSendRCF: RCF (seq# 12095) sent to 172.16.110.2Mar 28 00:24:25.457:
RASLib::RASRecvData: successfully rcvd message of length 74 from 172.16.110.2:52521Mar 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
172.16.110.2:52521Mar 28 00:24:25.461: RASLib::RASSendRCF: RCF (seq# 12096) sent to
172.16.110.2Mar 28 00:25:10.465: RASLib::RASRecvData: successfully rcvd message of length 74
from 172.16.110.2:52521Mar 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 172.16.110.2:52521Mar 28 00:25:10.469: RASLib::RASSendRCF: RCF (seq#
12097) sent to 172.16.110.2SanJose3640A#SanJose3640A# show gatekeeper callTotal number of active
calls = 1
```

Informações de chamada de gatekeeper

```
SanJose3640A# show gatekeeper end                    GATEKEEPER ENDPOINT REGISTRATION
================================CallSignalAddr  Port  RASSignalAddr   Port  Zone Name
Type    F ?????????????? ????? ?????????????? ????? ?????????         ????    ??172.16.110.2
1720  172.16.110.2    52521 SJgk1             VOIP?GW      H323?ID: SJ5300A@cisco.comTotal
number of active registrations = 1SanJose3640A# show gatekeeper gwGATEWAY TYPE PREFIX
TABLE========================Prefix: 919#*Prefix: 408#*  Zone SJgk1 master gateway list:
172.16.110.2:1720 SJ5300A SanJose3640A# show logSyslog 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 loggedLog Buffer (50000
bytes):Mar 28 00:22:48.025: RASLib::RASRecvData: successfully rcvd message of length 79 from
172.16.120.1:52893Mar 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,
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172.16.120.1:52893Mar 28 00:22:48.033: RASLib::RASSendLCF: LCF (seq# 20) sent to 172.16.120.1Mar
28 00:22:48.049: RASLib::RASRecvData: successfully rcvd message of length 122 from
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```

```
172.16.110.2Mar 28 00:22:55.129: RASLib::RASRecvData: successfully rcvd message of length 76
from 172.16.110.2:52521Mar 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 172.16.110.2:52521Mar 28 00:22:55.129: RASLib::RASSendDCF: DCF (seq#
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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 172.16.110.2:52521Mar 28
00:23:40.457: RASLib::RASSendRCF: RCF (seq# 12095) sent to 172.16.110.2Mar 28 00:24:25.457:
RASLib::RASRecvData: successfully rcvd message of length 74 from 172.16.110.2:52521Mar 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
172.16.110.2:52521Mar 28 00:24:25.461: RASLib::RASSendRCF: RCF (seq# 12096) sent to
172.16.110.2Mar 28 00:25:10.465: RASLib::RASRecvData: successfully rcvd message of length 74
from 172.16.110.2:52521Mar 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 172.16.110.2:52521Mar 28 00:25:10.469: RASLib::RASSendRCF: RCF (seq#
12097) sent to 172.16.110.2SanJose3640A#SanJose3640A# show gatekeeper callTotal number of active
calls = 1
```

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