

VoIP avec contrôleur d'accès

Contenu

[Introduction](#)

[Conditions préalables](#)

[Conditions requises](#)

[Components Used](#)

[Conventions](#)

[Informations générales](#)

[Configuration](#)

[Diagramme du réseau](#)

[Processus d'appel](#)

[Configurations](#)

[Vérification](#)

[Vérification du routeur Raleigh 5300A](#)

[Vérification du routeur Raleigh 3640A](#)

[Vérification du routeur San Jose 5300A](#)

[Vérification du routeur San Jose 3640A](#)

[Informations sur l'appel du contrôleur d'accès](#)

[Dépannage](#)

[Dépannage des commandes](#)

[Informations connexes](#)

Introduction

Ce document explique comment configurer et vérifier un réseau VoIP avec un contrôleur d'accès.

Conditions préalables

Conditions requises

Aucune spécification déterminée n'est requise pour ce document.

Components Used

Les informations contenues dans ce document sont basées sur les versions de matériel et de logiciel suivantes :

- Logiciel Cisco IOS® Version 12.1(1)
- Routeurs Cisco AS5300 et Cisco 3640

Remarque : il est nécessaire de charger le jeu de fonctions Cisco IOS -x- pour la fonctionnalité de

contrôleur d'accès sur toutes les plates-formes Cisco.

The information in this document was created from the devices in a specific lab environment. All of the devices used in this document started with a cleared (default) configuration. If your network is live, make sure that you understand the potential impact of any command.

Conventions

For more information on document conventions, refer to the [Cisco Technical Tips Conventions](#).

Informations générales

Un contrôleur d'accès est une entité H.323 sur un réseau local qui fournit la traduction d'adresses et l'accès au réseau local pour les terminaux et les passerelles H.323. Le contrôleur d'accès peut fournir d'autres services aux terminaux et aux passerelles H.323, tels que la gestion de la bande passante et l'emplacement des passerelles. Un contrôleur d'accès gère un registre des périphériques du réseau multimédia. Les périphériques s'enregistrent auprès du contrôleur d'accès au démarrage et demandent l'admission à un appel du contrôleur d'accès.

Vous pouvez utiliser la configuration du contrôleur d'accès dans ce document à ces fins :

- Pour faire évoluer une mise en oeuvre VoIP où vous avez installé plusieurs passerelles et périphériques finaux Cette configuration permet d'apporter des modifications à un point central, le contrôleur d'accès.
- Pour contrôler le contrôle d'admission des appels (CAC) afin de limiter le nombre d'appels sur le réseau
- Pour mettre en oeuvre l'utilisation d'un proxy sur le réseau pour gérer vos appels VoIP séparément du trafic de données

Configuration

Cette section vous fournit des informations pour configurer les fonctionnalités décrites dans ce document.

Remarque : Pour en savoir plus sur les commandes utilisées dans le présent document, utilisez [l'outil de recherche de commandes](#) (clients [inscrits](#) seulement).

Diagramme du réseau

Ce réseau est une topologie simple avec deux passerelles Cisco AS5300. Une passerelle se trouve à San José et l'autre à Raleigh. Sur chaque site, il existe une configuration de contrôleur d'accès qui s'exécute sur un Cisco 3640. Dans la topologie que présente cette section, un contrôleur d'accès n'est pas vraiment nécessaire pour passer des appels VoIP simples entre les deux passerelles. Mais le diagramme inclut un contrôleur d'accès afin de montrer l'aspect de la configuration complète.

Les configurations des contrôleurs d'accès Cisco pour cette topologie diffèrent d'une mise en oeuvre VoIP régulière de ces manières :

- Chaque passerelle de configuration de passerelle s'enregistre auprès du contrôleur d'accès local à l'aide des commandes **h323-gateway voip interface**. Dans ce cas, les passerelles sont des AS5300 et le contrôleur d'accès est le 3640.
- La **cible de session** de la commande **dial-peer voice 2 voip** pointe vers Enregistrement, Admission et Status (RAS) au lieu de l'**adresse ipv4:ip** appropriée. RAS effectue les tâches suivantes :Définit l'emplacement de la passerelle à enregistrer auprès du contrôleur d'accèsEnvoie des demandes d'admission pour chaque appelEffectue certaines interrogations d'informations d'état pour les appels

Dans le réseau H.323, vous avez un contrôleur d'accès principal par zone. Le contrôleur d'accès peut contrôler plusieurs passerelles ou mettre fin à des périphériques H.323 dans la zone. Dans la configuration que cette section illustre, un appel est acheminé vers la zone et le contrôleur d'accès appropriés. Ensuite, le contrôleur d'accès répond à la demande d'appel avec l'adresse IP de la passerelle enregistrée qui a le préfixe technologique (**tech-prefix**) qui correspond au numéro appelé.



Processus d'appel

Ces étapes expliquent le fonctionnement du processus du contrôleur d'accès. Un téléphone du côté de Raleigh appelle un téléphone du côté de San Jose :

1. Raleigh 5300A reçoit un appel du PBX au 4085556400, qui est un téléphone qui se connecte au PBX San Jose. Ce numéro correspond au numéro sous la **voix 2 de dial-peer** et a également un préfixe technologique de **408#**.
2. La demande d'admission au contrôleur d'accès Raleigh, Raleigh 3640A, inclut le préfixe technologique et le numéro appelé au format **408#4085556400**. Le **4085556400** correspond à la commande **de préfixe de zone de 408.....**
3. Le contrôleur d'accès Raleigh envoie une demande d'emplacement au contrôleur d'accès San Jose, San Jose 3640A.
4. Étant donné que la configuration du contrôleur d'accès San Jose contient le San Jose 5300A avec un préfixe technologique de **408#**, le contrôleur d'accès San Jose répond au contrôleur d'accès Raleigh avec l'adresse IP du San Jose 5300.
5. Cette adresse IP est transmise à Raleigh 5300A via une confirmation d'admission (ACF).
6. Raleigh 5300A ouvre un appel H.323 normal avec San Jose 5300A.

Configurations

Ce document utilise les configurations suivantes :

- [Raleigh 5300A](#)

- [Raleigh 3640A](#)
- [San José 5300A](#)
- [San 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
```

San 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
```

San 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

```

Vérification

Cette section présente des informations que vous pouvez utiliser pour vous assurer que votre configuration fonctionne correctement.

Certaines commandes **show** sont prises en charge par l'[Output Interpreter Tool](#) (clients enregistrés uniquement), qui vous permet de voir une analyse de la sortie de la commande show.

- **show debug** : affiche les commandes **debug** activées
- **undebg all** : désactive tous les débogages
- **show gatekeeper** : affiche l'état du gatekeeper.
- **show log** : affiche la sortie du fichier journal
- **show call active voice brief** : affiche une version abrégée du contenu de la table d'appels active. L'écran affiche tous les appels avec la connexion actuelle via le routeur.
- **show call active voice** : affiche le contenu de la table d'appels active. Cet affichage affiche tous les appels avec la connexion actuelle via le routeur.

- **show gatekeeper endpoints** : affiche l'état d'enregistrement des points d'extrémité sur le gatekeeper.
- **show gatekeeper call** : affiche les appels actifs traités par le gatekeeper.
- **show gatekeeper gw** : affiche l'état d'enregistrement des points d'extrémité pour le préfixe technologique

Vérification du routeur 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),
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.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/0:-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#

```

[Vérification du routeur 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.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	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#

[Vérification du routeur 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=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.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=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 172.16.110.1:1719
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/0:-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=

OnTimeRvPayout=21090

GapFillWithSilence=0 ms

GapFillWithPrediction=0 ms

GapFillWithInterpolation=0 ms

GapFillWithRedundancy=0 ms

HiWaterPayoutDelay=70 ms

LoWaterPayoutDelay=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#

Vérification du routeur San Jose 3640A

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.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

[Informations sur l'appel du contrôleur d'accès](#)

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#

Dépannage

Cette section fournit des informations que vous pouvez utiliser pour dépanner votre configuration.

Dépannage des commandes

Remarque : Avant d'émettre des commandes **debug**, reportez-vous à [Informations importantes sur les commandes de débogage](#).

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

Remarque : reportez-vous à [Présentation et dépannage de la durée de vie et du processus de vieillissement du contrôleur d'accès](#). Ce document décrit comment le contrôleur d'accès Cisco vieillit les terminaux en utilisant la valeur TTL (Time to Live).

Informations connexes

- [Assistance technique concernant la technologie vocale](#)
- [Support produit pour Voix et Communications IP](#)
- [Dépannage des problèmes de téléphonie IP Cisco](#)
- [Support et documentation techniques - Cisco Systems](#)