

IOS PSTN Ingress Gateway to CVP (Call QuWachtrij en Verzamel) Call Flow

Inhoud

[Inleiding](#)

[Voorwaarden](#)

[Vereisten](#)

[Gebruikte componenten](#)

[Conventies](#)

[Configureren](#)

[Netwerkdigram](#)

[Configuraties](#)

[Voorbeeld van Call Flow](#)

[Verifiëren](#)

[Problemen oplossen](#)

[Opdrachten voor troubleshooting](#)

[Debug Outputs](#)

[Gerelateerde informatie](#)

Inleiding

Cisco Customer Voice Portal (CVP) biedt intelligente en interactieve spraakrespons (IVR) toepassingen die via de telefoon toegankelijk zijn. Er zijn drie soorten CVP-implementaties:

- Standalone services
- CVP-gespreksbeheer
- Wachtrij en verzameling van oproepen

Dit document beschrijft de aanroepstroom vanuit het perspectief van H.323 gebaseerde IOS® Ingress Gateway in een Call Queue en Collect plaatsing.

In de Wachtrij van de Vraag en Inzamel plaatsing, interageert de CVP met Intelligent Contact Management (ICM) om vraag routingbesluiten te nemen. ICM verzoekt de CVP om de Voice Response Unit (VRU)-behandeling te geven aan de inkomende oproep tot het spelen van menu-aanwijzingen en het verzamelen van cijfers om de te selecteren vaardigheidsgroep te bepalen. Wanneer de vaardigheidsgroep is geïdentificeerd en een agent van de vaardigheidsgroep beschikbaar is, verzoekt ICM CVP om de inkomende vraag aan de Agent IP Telefoon via Cisco CallManager aan te sluiten. Als de agent niet beschikbaar is, vraagt ICM CVP om de behandeling van de vraagwachtrij te verstrekken (bijvoorbeeld een muziek-on-hold-prompt spelen). CVP biedt VRU of call wachtrij behandeling door gebruik te maken van een VXML gateway.

Voorwaarden

Vereisten

Er zijn geen specifieke vereisten van toepassing op dit document

Gebruikte componenten

De informatie in dit document is gebaseerd op de volgende software- en hardware-versies:

- IOS PSTN-toegangsgateway: Cisco 2821, IOS 12.4(15)T1
- IOS Gatekeeper: Cisco 2651XM, IOS 12.4(7f)
- IOS VXML-gateway Cisco AS5400XM, IOS 12.4(15)T1
- Cisco Voice Portal: CVP 4.0
- Cisco CallManager 5.1.2
- ASR- / TTS-server: Nuance ASR v8.5 en TTS v4.0.6

De informatie in dit document is gebaseerd op de apparaten in een specifieke laboratoriumomgeving. Alle apparaten die in dit document worden beschreven, hadden een opgeschoonde (standaard)configuratie. Als uw netwerk live is, moet u de potentiële impact van elke opdracht begrijpen.

Conventies

Raadpleeg [Cisco Technical Tips Conventions \(Conventies voor technische tips van Cisco\) voor meer informatie over documentconventies.](#)

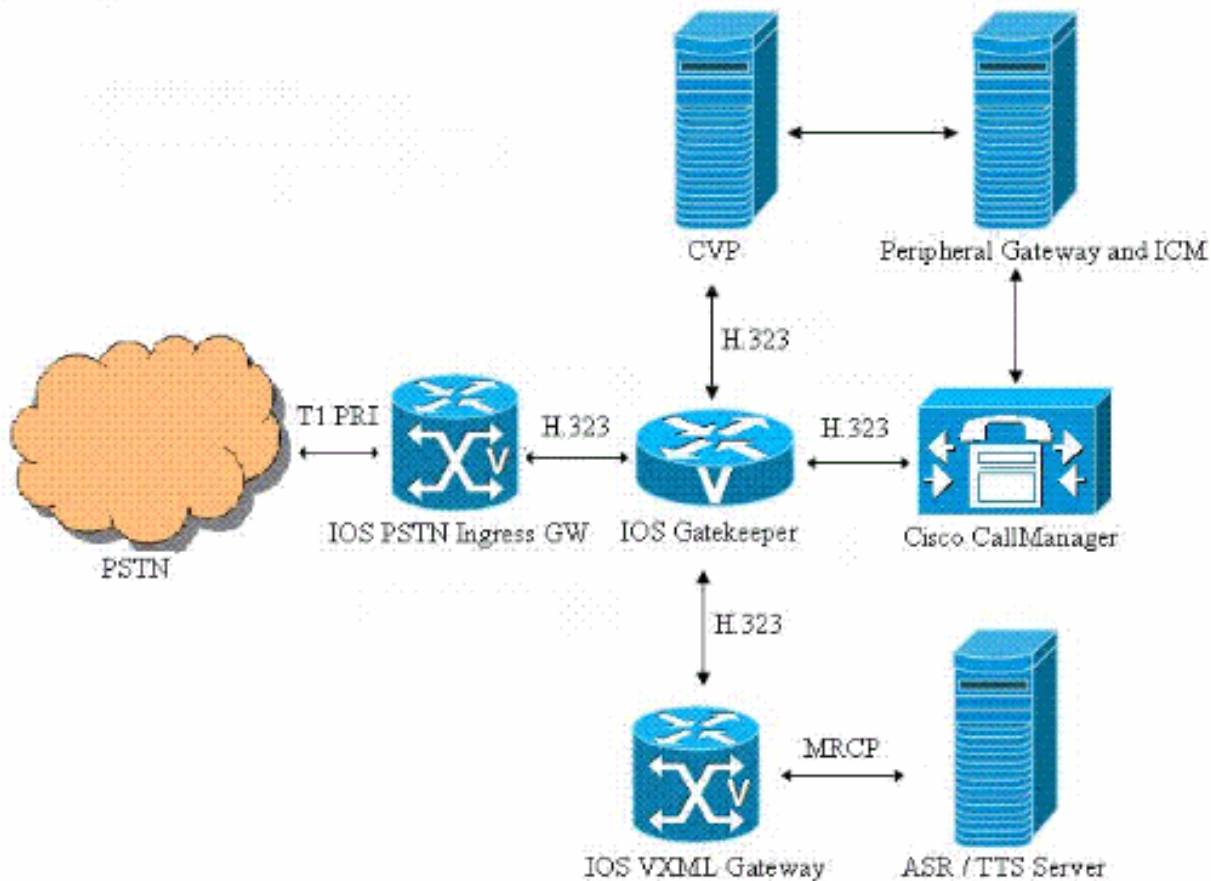
Configureren

Deze sectie bevat informatie over het configureren van de functies die in dit document worden beschreven.

N.B.: Gebruik het [Opdrachtuppgereedschap \(alleen geregistreeerde klanten\)](#) om meer informatie te vinden over de opdrachten die in dit document worden gebruikt.

Netwerkdigram

Het netwerk in dit document is als volgt opgebouwd:



Configuraties

Dit document gebruikt deze configuraties:

- [Configuratie van ingangsgateway](#)
- [Gatekeeper configuratie](#)
- [Configuratie van VXML-gateway](#)

Configuratie van ingangsgateway

```
!--- Configure the IOS PSTN Ingress GW to register with
the IOS Gatekeeper. interface GigabitEthernet0/1 ip
address 14.50.201.11 255.255.255.0 h323-gateway voip
interface h323-gateway voip id IPCC-GW ipaddr
14.50.201.14 1719 h323-gateway voip h323-id PSTN-GW
h323-gateway voip bind srcaddr 14.50.201.11 !---
Configure the T1 PRI. controller T1 1/0/0 framing esf
linecode b8zs pri-group timeslots 1-24 !--- Configure
the ISDN switch type and incoming-voice under the D-
channel interface. interface Serial1/0/0:23 no ip
address encapsulation hdlc isdn switch-type primary-ni
isdn incoming-voice voice no cdp enable !--- Configure a
POTS dial-peer that will be used as inbound dial-peer
for calls !--- coming in across the T1 PRI line. dial-
peer voice 2 pots description PSTN PRI Circuit incoming
```

```
called-number . direct-inward-dial port 1/0/0:23 !---  
Configure an outbound voip dial-peer to route calls to  
the CVP. !--- Gateway sends ARQ to Gatekeeper for call  
routing decision. dial-peer voice 1 voip description "To  
IPCC" destination-pattern 800..... session target ras  
tech-prefix 2# dtmf-relay rtp-nte codec g711ulaw no vad
```

Gatekeeper configuratie

```
!--- Configure the local zones and zone prefixes. In  
this example, !--- VXML GW registers with Gatekeeper  
with Tech-Prefix 1# !--- CVP registers with Gatekeeper  
with Tech-Prefix 2# !--- CCM registers with CCM with  
Tech-Prefix 3# !--- CVP handles calls with called number  
in the 800555... range !--- CCM handles calls with called  
numbers in the 75... range (agent dn range) !--- VXML  
Gateway handles calls with called numbers starting with  
8001112222 (network vru label) gatekeeper zone local  
IPCC-GW cisco.com 14.50.201.14 zone local IPCC-VXML  
cisco.com zone local IPCC-CCM cisco.com zone local IPCC-  
CVP cisco.com zone prefix IPCC-CCM 75... zone prefix  
IPCC-CVP 800555.... zone prefix IPCC-VXML 8001112222*  
gw-type-prefix 1#* default-technology no shutdown!
```

Configuratie van VXML-gateway

```
!--- Define Hostname to IP Address mapping for ASR and  
TTS servers. ip host asrtts-en-us 14.50.201.16 !---  
Define the amount of maximum memory to used for  
downloaded prompts. ivr prompt memory 15000 !--- Define  
the RTSP URI of ASR and TTS Server. ivr asr-server  
rtsp://asrtts-en-us/recognizer ivr tts-server  
rtsp://asrtts-en-us/synthesizer !--- Configure an  
application service for CVPErrror.tcl. application  
service cvperror flash:cvperror.tcl paramspace english  
language en paramspace english index 0 paramspace  
english location flash paramspace english prefix en !---  
Configure an application service for CVP bootstrap.vxml  
and bootstrap.tcl. service new-call flash:bootstrap.vxml  
paramspace english language en paramspace english index  
0 paramspace english location flash paramspace english  
prefix en ! service bootstrap flash:bootstrap.tcl  
paramspace english language en paramspace english index  
0 paramspace english location flash paramspace english  
prefix en !--- Configure an application service for CVP  
handoff.tcl. service handoff flash:handoff.tcl  
paramspace english language en paramspace english index  
0 paramspace english location flash paramspace english  
prefix en !--- Specify that the Gateway's RTP stream to  
the ASR / TTS to go around the !--- Content Service  
Switch instead of through the CSS. mrcp client rtpsetup  
enable !--- Specify the maximum memory size for the HTTP  
Client Cache. http client cache memory pool 15000 !---  
Specify the maximum number of file that can be stored in  
the HTTP Client Cache. http client cache memory file 500  
!--- Disable Persistent HTTP Connections. no http client  
connection persistent !--- Configure the VXML GW to  
register with the IOS Gatekeeper. interface  
GigabitEthernet0/0 ip address 14.50.201.15 255.255.255.0  
h323-gateway voip interface h323-gateway voip id IPCC-  
VXML ipaddr 14.50.201.14 1719 h323-gateway voip h323-id
```

```

VXML-GW h323-gateway voip tech-prefix 1# h323-gateway
voip bind srcaddr 14.50.201.15 !--- Configure an inbound
voip dial-peer to block calls with called number !---
starting with 987654. voice translation-rule 1 rule 1
/987654/ // ! ! voice translation-profile block
translate called 1 dial-peer voice 987654 voip
description Dial-peer needed for PM Micro-App
translation-profile incoming block incoming called-
number 987654 !--- Configure a VoIP dial-peer that will
be used as inbound dial-peer for calls coming !--- in
from CVP. The "bootstrap" service is applied under this
dial-peer. !--- The "8001112222" in the destination-
pattern is the VRU label that is configured in ICM.
dial-peer voice 800 voip description ICM VRU Label
translation-profile incoming block service bootstrap
incoming called-number 8001112222T dtmf-relay rtp-nte
h245-signal h245-alphanumeric codec g711ulaw no vad

```

Voorbeeld van Call Flow

In dit gedeelte wordt de aanloopstroom beschreven die het resultaat is van dit configuratievoorbeeld:

1. Een ISDN-oproep arriveert in de PSTN / VXML-gateway via T1 PRI 1/0/0.
2. IOS Gateway past POTS wijzerplaat-peer 2 als de inkomende wijzerplaat-peer voor deze vraag aan.
3. IOS-gateway komt overeen met VoIP dial-peers 1 als de uitgaande dial-peer voor deze vraag.
4. IOS-gateway besteedt '2#' aan het opgeroepen nummer en stuurt een ARQ naar Gatekeeper.
5. Gatekeeper routeert de roep naar CVP.
6. CVP antwoordt de vraag en de verbinding van de RTP media tussen IOS Ingress Gateway en CVP.
7. CVP informeert ICM over de nieuwe oproep.
8. ICM voert het script uit dat gekoppeld is aan het opgeroepen nummer van deze oproep.
9. ICM verzoekt CVP om VRU-behandeling te geven om een Menu-prompt (Main_Welcome_Menu.wav) te spelen en cijfers te verzamelen om de vaardigheidsgroep te identificeren. 1 voor TAC2 voor verkoop ICM stuurt ook het ICM Label (800111222) van het netwerk VRU naar CVP.
10. CVP stuurt een ARQ-verzoek (met bestemming = Network VRU-label) naar Gatekeeper.
11. Gatekeeper verstrekt het IP adres van de VXML gateway in de ACF-respons.
12. CVP stuurt een H225 Setup naar VXML Gateway die vervolgens een VXML-sessie naar CVP vaststelt. Raadpleeg deze URL(s) om VXML Gateway en CVP te begrijpen, en VXML Gateway en ASR/TTS server interacties: [MRCPv1MRCPv2](#)
13. CVP ontkoppelt zijn bestaande RTP-mediaconnector aan de Ingress Gateway door H245 Empty TCS te verzenden.
14. CVP legt een RTP-mediaconcentratie tot stand tussen Ingress Gateway en VXML-gateway.
15. PSTN-beller komt cijfer "1" in om de "TAC" vaardigheidsgroep te selecteren. De Ingress Gateway stuurt DTMF via RTP-NTE naar VXML-gateway 16) VXML-gateway meldt de cijfers aan CVP via VXML, die dan naar ICM rapporteert.
16. VXML Gateway rapporteert de cijfers aan CVP via VXML, die dan rapporteert aan ICM.
17. ICM vindt dan een beschikbare agent van de geselecteerde skillgroep en verzoekt CVP de

- oproep naar de Agent te leiden door het ICM Etiket (3#75001) van de Agent te verzenden.
18. CVP ontkoppelt de bestaande RTP media verbinding tussen de Ingress Gateway en VXML gateway.
 19. CVP stuurt een ARQ-verzoek (met bestemming = Agent-label) naar Gatekeeper.
 20. Gatekeeper geeft het IP-adres van Cisco CallManager in de ACF-respons.
 21. CVP stuurt een H225-instelling naar Cisco CallManager die dan een oproep naar de Agent IP-telefoon maakt.
 22. CVP voert een RTP mediaconnector tussen de Ingress Gateway en Agent Phone in.
 23. De PSTN-beller hangt de oproep op na voltooiing van het gesprek met de Agent.
 24. Ingress Gateway sluit de aanroep aan bij CVP en informeert de Gatekeeper over gespreksafgifte.
 25. CVP sluit vervolgens de oproep aan CCM af.

Verifiëren

Gebruik deze sectie om te bevestigen dat uw configuratie correct bij de IOS Gatekeeper werkt.

Het [Uitvoer Tolk](#) ([uitsluitend geregistreerde](#) klanten) (OIT) ondersteunt bepaalde **show** opdrachten. Gebruik de OIT om een analyse van **tonen** opdrachtoutput te bekijken.

• Toon gatekeeper endpoints

```
GATEKEEPER ENDPOINT REGISTRATION
```

```

=====
CallSignalAddr  Port  RASSignalAddr  Port  Zone Name          Type  Flags
-----
14.50.201.11    1720  14.50.201.11   53981  IPCC-GW            VOIP-GW
      ENDPOINT-ID: 8527186C00000002  VERSION: 4  AGE: 32 secs  SupportsAnnexE: FALSE
      g_supp_protos: 0x00000050
      H323-ID: PSTN-GW
      Voice Capacity Max.= Avail.= Current.= 0
14.50.201.15    1720  14.50.201.15   62367  IPCC-VXML          VOIP-GW
      ENDPOINT-ID: 84DB194800000003  VERSION: 4  AGE: 27 secs  SupportsAnnexE: FALSE
      g_supp_protos: 0x00000050
      H323-ID: VXML-GW
      Voice Capacity Max.= Avail.= Current.= 0
172.18.110.75   1720  172.18.110.75  1719   IPCC-CVP           VOIP-GW
      ENDPOINT-ID: 84F5E78C00000001  VERSION: 5  AGE: 3 secs   SupportsAnnexE: FALSE
      g_supp_protos: 0x00000040
      H323-ID: CVP

```

Voice Capacity Max.= Avail.= Current.= 0

172.18.110.84 43843 172.18.110.84 49600 IPCC-CCM VOIP-GW

ENDPOINT-ID: 852A9F2C00000004 VERSION: 5 AGE: 27 secs SupportsAnnexE: FALSE

g_supp_protos: 0x00000050

H323-ID: CCM-GK-Trunk_1

Voice Capacity Max.= Avail.= Current.= 0

Total number of active registrations = 4

- **voorvoegsel van gatekeeper-gw-type tonen**

GATEWAY TYPE PREFIX TABLE

=====

Prefix: 1#* (Default gateway-technology)

Zone IPCC-GW master gateway list:

14.50.201.11:1720 PSTN-GW

Zone IPCC-VXML master gateway list:

14.50.201.15:1720 VXML-GW

Prefix: 2#*

Zone IPCC-CVP master gateway list:

172.18.110.75:1720 CVP

Prefix: 3#*

Zone IPCC-CCM master gateway list:

172.18.110.84:43843 CCM-GK-Trunk_1

Gebruik deze sectie om te bevestigen dat uw configuratie correct bij de IOS PSTN Ingeer Gateway werkt.

- **show call active voice-brief**

Call is connected to VXML Gateway

11E6 : 228 2061411860ms.1 +160 pid:2 Answer 9999 active

dur 00:00:44 tx:1942/326256 rx:2221/354112

Tele 1/0/0:23 (228) [1/0/0.1] tx:44300/44300/0ms g711ulaw noise:-79 acom:7
i/0:-44/-18 dBm

11E6 : 229 2061411870ms.1 +130 pid:1 Originate 2#8005555555 active

dur 00:00:44 tx:2215/1169571516 rx:1942/310720

IP 14.50.201.15:21134 SRTP: off rtt:0ms pl:35210/40ms lost:0/0/0 delay:55/55/65ms
g711ulaw TextRelay: off

media inactive detected:n media contrl rcvd:n/a timestamp:n/a

long duration call detected:n long duration call duration:n/a timestamp:n/a

Telephony call-legs: 1

SIP call-legs: 0

H323 call-legs: 1

Call agent controlled call-legs: 0

SCCP call-legs: 0

Multicast call-legs: 0

Media call-legs: 0

Total call-legs: 2

Call is connected to Agent IP Phone

11E6 : 228 2061411860ms.1 +160 pid:2 Answer 9999 active

dur 00:01:06 tx:2848/478464 rx:3343/533632

Tele 1/0/0:23 (228) [1/0/0.1] tx:66730/66730/0ms g711ulaw noise:-54 acom:7
i/0:-44/-44 dBm

11E6 : 229 2061411870ms.1 +130 pid:1 Originate 2#8005555555 active

dur 00:01:06 tx:3336/1169571516 rx:2848/455680

IP 14.50.202.26:17156 SRTP: off rtt:1ms pl:10290/0ms lost:0/0/0 delay:55/55/65ms
g711ulaw TextRelay: off

media inactive detected:n media contrl rcvd:n/a timestamp:n/a

long duration call detected:n long duration call duration:n/a timestamp:n/a

Telephony call-legs: 1

SIP call-legs: 0

H323 call-legs: 1

Call agent controlled call-legs: 0

SCCP call-legs: 0

Multicast call-legs: 0

Media call-legs: 0

Total call-legs: 2

Problemen oplossen

Deze sectie bevat informatie waarmee u problemen met de configuratie kunt oplossen.

Opdrachten voor troubleshooting

Configureer de IOS-gateway om de defecten in zijn logkbuffer te registreren en schakelt de "houtkapconsole" uit.

Dit zijn de opdrachten die worden gebruikt om de Gateway te configureren om de debugs in de logbuffer van de gateway op te slaan:

- **Service timepostzegels debug msec**
- **servicessequentie**
- **geen logconsole**
- **houtkap gebufferd met 500000 debug**
- **helder logbestand**

Dit zijn de **debug** opdrachten die worden gebruikt om de configuratie problemen op te lossen:

Opmerking: Raadpleeg [Belangrijke informatie over debug Commands](#) voordat u **debug**-opdrachten gebruikt.

- **debug van ISDN Q931**
- **voip ccapi inout debug**
- **Debug ras**
- **h225 debug 1**
- **h245 debug 1**
- **debug C323 h225**
- **debug C323 h245**
- **debug van voip rtp-sessie met naam**

Debug Outputs

In deze sectie worden debug-uitgangen voor deze voorbeeldaanroep geleverd:

1. [Inkomende oproep van het PSTN tot 800-555-555](#)
2. [GainMaker-overeenkomsten voor inkomende dial-peers 2](#)
3. [GainMaker-overeenkomsten voor uitgaande dial-peers 1](#)
4. [Ingress GW werkt Tech-prefixe "#2" voor en stuurt een toegangsaanvraag \(ARQ\) naar Gatekeeper](#)
5. [Ingrepen GW stuurt ISDN-gespreksproces in het POTS-been](#)

6. [Ingress GW krijgt een Admission Confirma van GK. Het IP-adres van de bestemming is het IP-adres van de CVP \(172.18.110.75\)](#)
7. [GW stuurt H225 FastStart Setup-bericht naar CVP](#)
8. [GW ontvangt H225 Connect-bericht van CVP](#)
9. [GW zendt antwoord op informatieaanvraag \(IRR\) naar de Gatekeeper](#)
10. [GW stelt H245 TCP-verbinding in bij CVP en verstuurt Terminal Capability Set \(TCS\) en Master Slave Assessment-bericht naar CVP](#)
11. [GW ontvangt TCS- en MSD-bericht van CVP](#)
12. [Ingress GW stuurt TCS Ack en MSD Ack naar CVP](#)
13. [Ingress GW ontvangt TCS en MSD ACK van CVP](#)
14. [CVP stuurt nu de mediaconnector naar de VXML gateway. Ingress GW ontvangt lege televisiecamerasystemen van CVP](#)
15. [Ingress GW sluit zijn logische kanaal door CloseLogicalChannel \(CLC\) naar CVP te verzenden](#)
16. [Ingress GW stuurt TCS ACK naar CVP](#)
17. [Ingress GW stuurt Bandbreedteaانvraag naar Gatekeeper om de huidige bandbreedte \(nul\) die voor de oproep is gebruikt, bij te werken](#)
18. [CVP sluit zijn logische kanaal door CLC naar de Ingress GW te sturen](#)
19. [Ingress GW ontvangt televisiecamerasystemen en MSD van CVP. Deze TCS verschaft informatie over de terminalmogelijkheden van de VXML-gateway](#)
20. [Ingress GW stuurt zijn TCS en MSD naar CVP](#)
21. [Ingress GW stuurt MSD-schijf en TCS-toegang naar CVP](#)
22. [Ingress GW stuurt BRQ naar Gatekeeper om de huidige bandbreedte bij te werken die voor de oproep wordt gebruikt \(2*64=128 kbps\)](#)
23. [Ingress GW stuurt OLC-verzoek naar CVP](#)
24. [Ingress GW ontvangt OLC van CVP. CVP verstrekt het IP-adres van de VXML-gateway voor de RTCP-verbinding](#)
25. [Ingress GW stuurt OLC Ack respons op CVP](#)
26. [Ingress GW ontvangt OLC Ack van CVP. CVP verstrekt het IP adres van de VXML gateway voor RTP-verbinding. RTP-verbinding tussen Ingress GW en VXML GW wordt ingesteld](#)
27. [Gateway detecteert DTMF-cijfer "1" en stuurt het via RTP-NTE \(RFC 2833\) gebaseerde DTMF-Relay-gebeurtenissen naar VXML GW](#)
28. [Nu, CVP richt de vraag naar de Agent IP telefoon terug die de vraag beantwoordde. Ingress GW ontvangt lege TCS](#)
29. De stappen 15 - 18 vinden plaats (debug-uitvoer wordt niet weergegeven)
30. [Ingress GW ontvangt televisiecamerasystemen en MSD van CVP. Deze televisiecamerasystemen bieden informatie over de uiteindelijke mogelijkheden van de IP-telefoon](#)
31. De stappen 20 - 23 vinden plaats (debug-uitvoer wordt niet weergegeven)
32. [Ingress GW ontvangt OLC van CVP. CVP verstrekt het IP-adres van CallManager voor de RTCP-verbinding](#)
33. [GW stuurt OLC Ack respons op CVP](#)
34. [GW ontvangt OLC Ack van CVP. CVP verstrekt het IP adres van de Agent IP Phone voor RTP-verbinding. RTP-verbinding tussen Ingress GW en IP-telefoon](#)
35. [Na het gesprek met de Agent af te ronden, hangt de beller van PSTN omhoog. Ingress GW ontvangt ISDN-ontkoppeling via het PSTN](#)
36. [Ingress GW beëindigt de H323-oproep op het IP-been door H225 release Complete bericht naar CVP te verzenden](#)

37. [GW stuurt DisconnectedApplication \(DRQ\) naar de Gatekeeper](#)
38. [De H245-verbinding tussen de GW en CVP wordt gesloten na de uitwisseling van CLC- en EndSession-opdrachten](#)

Opmerking: Sommige lijnen in de uitvoer door deze sectie zijn verplaatst naar de tweede lijn door ruimtebeperkingen.

[Inkomende oproep van het PSTN tot 800-555-555](#)

```
*Aug 17 17:21:15.777: ISDN Se1/0/0:23 Q931: RX <- SETUP pd = 8 callref = 0x0088
```

```
Bearer Capability i = 0x8090A2
```

```
Standard = CCITT
```

```
Transfer Capability = Speech
```

```
Transfer Mode = Circuit
```

```
Transfer Rate = 64 kbit/s
```

```
Channel ID i = 0xA98381
```

```
Exclusive, Channel 1
```

```
Progress Ind i = 0x8583 - Origination address is non-ISDN
```

```
Calling Party Number i = 0x0080, '9999'
```

```
Plan:Unknown, Type:Unknown
```

```
Called Party Number i = 0xA1, '8005555555'
```

```
Plan:ISDN, Type:National
```

```
*Aug 17 17:21:15.781: //-1/182F2991800A/CCAPI/cc_api_display_ie_subfields:
```

```
cc_api_call_setup_ind_common:
```

```
cisco-username=
```

```
----- ccCallInfo IE subfields -----
```

```
cisco-ani=9999
```

```
cisco-anitype=0
```

```
cisco-aniplan=0
```

```
cisco-anipi=0
```

```
cisco-anisi=0
```

```
dest=8005555555
```

```
cisco-desttype=2
```

```
cisco-destplan=1
```

```
cisco-rdie=FFFFFFFF
```

```
cisco-rdn=  
cisco-rdntype=-1  
cisco-rdnplan=-1  
cisco-rdnpi=-1  
cisco-rdnsi=-1  
cisco-redirectreason=-1 fwd_final_type =0  
final_redirectNumber =  
hunt_group_timeout =0
```

[GainMaker-overeenkomsten voor inkomende dial-peers 2](#)

```
*Aug 17 17:21:15.781: //-1/182F2991800A/CCAPI/cc_api_call_setup_ind_common:  
  
Interface=0x46964DF8, Call Info(  
  
Calling Number=9999,(Calling Name=)(TON=Unknown, NPI=Unknown, Screening=Not Screened,  
Presentation=Allowed),  
  
Called Number=8005555555(TON=National, NPI=ISDN),  
  
Calling Translated=FALSE, Subscriber Type Str=RegularLine, FinalDestinationFlag=TRUE,  
  
Incoming Dial-peer=2, Progress Indication=ORIGINATING SIDE IS NON ISDN(3),  
Calling IE Present=TRUE,  
  
Source Trkgrp Route Label=, Target Trkgrp Route Label=, CLID Transparent=FALSE),  
Call Id=-1
```

[GainMaker-overeenkomsten voor uitgaande dial-peers 1](#)

```
*Aug 17 17:21:15.793: //228/182F2991800A/CCAPI/ccIFCallSetupRequestPrivate:  
  
Interface=0x46A5D878, Interface Type=1, Destination=, Mode=0x0,  
  
Call Params(Calling Number=9999,(Calling Name=)(TON=Unknown, NPI=Unknown,  
Screening=Not Screened, Presentation=Allowed),  
  
Called Number=8005555555(TON=National, NPI=ISDN), Calling Translated=FALSE,  
  
Subscriber Type Str=RegularLine, FinalDestinationFlag=TRUE, Outgoing Dial-peer=1,  
Call Count On=FALSE,  
  
Source Trkgrp Route Label=, Target Trkgrp Route Label=, tg_label_flag=0,  
Application Call Id=)
```

[Ingress GW werkt Tech-prefixe "#2" voor en stuurt een toegangs aanvraag \(ARQ\) naar Gatekeeper](#)

```
*Aug 17 17:21:15.797: H225 NONSTD OUTGOING PDU ::=
```

```
value ARQnonStandardInfo ::=
```

```
{
  sourceAlias
  {
  }
  sourceExtAlias
  {
  }
  callingOctet3a 128
  interfaceSpecificBillingId "ISDN 1/0/0:23"
  gtd '49414D2C0D0A50524E2C6973646E2A2C2C4E492A...'H
  ingressNetwork scn : NULL
}
```

```
*Aug 17 17:21:15.797: H225 NONSTD OUTGOING ENCODE BUFFER ::= 80000010A901800E18495
3444E20312F302F303A323380AC00A949414D2C0D0A50524E2C6973646E2A2C2C4E492A2A2A2C0D0A
5553492C726174652C632C732C632C310D0A5553492C6C6179312C756C61770D0A544D522C30300D0
A43504E2C30342C2C312C383030353535353535350D0A43474E2C30302C2C752C792C312C39393939
0D0A4350432C30390D0A4643492C2C2C2C2C2C792C0D0A4743492C3138326632393931346331643
1316463383030613030313765306162613833380D0A0D0A0100
```

```
*Aug 17 17:21:15.801:
```

```
*Aug 17 17:21:15.801: RAS OUTGOING PDU ::=
```

```
value RasMessage ::= admissionRequest :
```

```
{
  requestSeqNum 15287
  callType pointToPoint : NULL
  callModel direct : NULL
  endpointIdentifier {"84B3CC1C00000004"}
  destinationInfo
  {
    dialedDigits : "2#8005555555"
  }
}
```

```
srcInfo
{
  dialedDigits : "9999",
  h323-ID : {"PSTN-GW"}
}
bandwidth 1280
callReferenceValue 67
nonStandardData
{
  nonStandardIdentifier h221NonStandard :
  {
    t35CountryCode 181
    t35Extension 0
    manufacturerCode 18
  }
  data '80000010A901800E184953444E20312F302F303A...'H
}
conferenceID '182F29914C1D11DC800A0017E0ABA838'H
activeMC FALSE
answerCall FALSE
canMapAlias TRUE
callIdentifier
{
  guid '182FC5B94C1D11DC8298DF9092AE2C6A'H
}
willSupplyUUIEs FALSE
}
```

[Ingrepen GW stuurt ISDN-gespreksproces in het POTS-been](#)

*Aug 17 17:21:15.805: ISDN Se1/0/0:23 Q931: TX -> CALL_PROC pd = 8 callref = 0x8088

Channel ID i = 0xA98381

Exclusive, Channel 1

[Ingress GW krijgt een Admission Confirma van GK. Het IP-adres van de bestemming is het IP-](#)

[adres van de CVP \(172.18.110.75\)](#)

*Aug 17 17:21:15.861: RAS INCOMING PDU ::=

value RasMessage ::= admissionConfirm :

```
{
  requestSeqNum 15287
  bandwidth 1280
  callModel direct : NULL
  destCallSignalAddress ipAddress :
  {
    ip 'AC126E4B'H
    port 1720
  }
  irrFrequency 240
  nonStandardData
  {
    nonStandardIdentifier h221NonStandard :
    {
      t35CountryCode 181
      t35Extension 0
      manufacturerCode 18
    }
    data '00020180CCCC400B004100720075006E002D0050...'H
  }
  willRespondToIRR FALSE
  uuiesRequested
  {
    setup FALSE
    callProceeding FALSE
    connect FALSE
    alerting FALSE
  }
}
```

```
information FALSE
releaseComplete FALSE
facility FALSE
progress FALSE
empty FALSE
}
usageSpec
{
  {
    when
    {
      end NULL
      inIrr NULL
    }
    callStartingPoint
    {
      connect NULL
    }
    required
    {
      nonStandardUsageTypes
      {
      }
      startTime NULL
      endTime NULL
      terminationCause NULL
    }
  }
}
}
```

[GW stuurt H225 FastStart Setup-bericht naar CVP](#)

*Aug 17 17:21:15.865: H245 FS OLC OUTGOING PDU ::=

value OpenLogicalChannel ::=

```
{
  forwardLogicalChannelNumber 1
  forwardLogicalChannelParameters
  {
    dataType audioData : g711Ulaw64k : 20
    multiplexParameters h2250LogicalChannelParameters :
    {
      sessionID 1
      mediaControlChannel unicastAddress : ipAddress :
      {
        network '0E32C90B'H
        tsapIdentifier 18491
      }
      silenceSuppression FALSE
    }
  }
}
```

*Aug 17 17:21:15.869: H245 FS OLC OUTGOING ENCODE BUFFER ::=
0000000C6013800B050001000E32C90B483B00

*Aug 17 17:21:15.869:

*Aug 17 17:21:15.869: H245 FS OLC OUTGOING PDU ::=

value OpenLogicalChannel ::=

```
{
  forwardLogicalChannelNumber 1
  forwardLogicalChannelParameters
```

```

{
    dataType nullData : NULL
    multiplexParameters none : NULL
}
reverseLogicalChannelParameters
{
    dataType audioData : g711Ulaw64k : 20
    multiplexParameters h2250LogicalChannelParameters :
    {
        sessionID 1
        mediaChannel unicastAddress : ipAddress :
        {
            network '0E32C90B'H
            tsapIdentifier 18490
        }
        mediaControlChannel unicastAddress : ipAddress :
        {
            network '0E32C90B'H
            tsapIdentifier 18491
        }
        silenceSuppression FALSE
    }
}
}

```

```

*Aug 17 17:21:15.869: H245 FS OLC OUTGOING ENCODE BUFFER::=
400000060401004C60138012150001000E32C90B483A000E32C90B483B00

```

```

*Aug 17 17:21:15.869:

```

```

*Aug 17 17:21:15.869: //229/182F2991800A/H323/generic_send_setup:

```

```

generic_send_setup: is_overlap = 0, info_complete = 0

```

```
*Aug 17 17:21:15.869: //229/182F2991800A/H323/generic_send_setup: sending calling IE
*Aug 17 17:21:15.869: //229/182F2991800A/H323/generic_send_setup: ===== PI = 3
*Aug 17 17:21:15.869: //229/182F2991800A/H323/generic_send_setup: Send infoXCap=128,
infoXRate=16, rateMult=0, xMode=128, info_layer1_prot=163
*Aug 17 17:21:15.869: //229/182F2991800A/H323/generic_send_setup:
src address = 14.50.201.11; dest address = 172.18.110.75
*Aug 17 17:21:15.869: H225 NONSTD OUTGOING PDU ::=
```

```
value H323_UU_NonStdInfo ::=
```

```
{
  version 2
  protoParam qsigNonStdInfo :
  {
    iei 4
    rawMesg '04038090A21803A983811E0285836C0600803939...'H
  }
  progIndParam progIndIEinfo :
  {
    progIndIE '00000003'H
  }
}
```

```
*Aug 17 17:21:15.873: H225 NONSTD OUTGOING ENCODE BUFFER::= E001020001042304038090A21803
A983811E0285836C060080393939700BA1383030353535353535350A8006000400000003
```

```
*Aug 17 17:21:15.873:
```

```
*Aug 17 17:21:15.873: H225.0 OUTGOING PDU ::=
```

```
value H323_UserInformation ::=
```

```
{
  h323-uu-pdu
  {
    h323-message-body setup :
```

```
{
  protocolIdentifier { 0 0 8 2250 0 4 }
  sourceAddress
  {
    h323-ID : {"PSTN-GW"}
  }
  sourceInfo
  {
    vendor
    {
      vendor
      {
        t35CountryCode 181
        t35Extension 0
        manufacturerCode 18
      }
    }
  }
  gateway
  {
    protocol
    {
      voice :
      {
        supportedPrefixes
        {
          {
            prefix dialedDigits : "1#"
          }
        }
      }
    },
    h323 :
    {
```

```
        supportedPrefixes
        {
        }
    }
}

mc FALSE

undefinedNode FALSE
}

activeMC FALSE

conferenceID '182F29914C1D11DC800A0017E0ABA838'H

conferenceGoal create : NULL

callType pointToPoint : NULL

sourceCallSignalAddress ipAddress :
{
    ip '0E32C90B'H
    port 22143
}

callIdentifier
{
    guid '182FC5B94C1D11DC8298DF9092AE2C6A'H
}

fastStart
{
    '0000000C6013800B050001000E32C90B483B00'H,
    '400000060401004C60138012150001000E32C90B...'H
}

mediaWaitForConnect FALSE

canOverlapSend FALSE

multipleCalls TRUE

maintainConnection TRUE

symmetricOperationRequired NULL
```

```

}

h245Tunneling TRUE

nonStandardControl
{

    {

        nonStandardIdentifier h221NonStandard :

        {

            t35CountryCode 181

            t35Extension 0

            manufacturerCode 18

        }

        data 'E001020001042304038090A21803A983811E0285...'H

    }

}

}

}

```

[GW ontvangt H225 Connect-bericht van CVP](#)

*Aug 17 17:21:15.913: H225.0 INCOMING PDU ::=

value H323_UserInformation ::=

```

{

    h323-uu-pdu

    {

        h323-message-body connect :

        {

            protocolIdentifier { 0 0 8 2250 0 5 }

            h245Address ipAddress :

            {

                ip 'AC126E4B'H

                port 19698

            }

        }

    }

}

```

```
}
destinationInfo
{
  gateway
  {
    protocol
    {
      voice :
      {
        supportedPrefixes
        {
          {
            prefix dialedDigits : "2#"
          }
        }
      }
    }
  }
  mc FALSE
  undefinedNode FALSE
}
conferenceID '182F29914C1D11DC800A0017E0ABA838'H
callIdentifier
{
  guid '182FC5B94C1D11DC8298DF9092AE2C6A'H
}
fastStart
{
  '400080060401004C6013801215000100AC126E4B...'H,
  '0000000C6013801215000100AC126E4B406000AC...'H
}
```

```
multipleCalls FALSE

maintainConnection TRUE

presentationIndicator presentationAllowed : NULL

screeningIndicator 2

featureSet
{
    replacementFeatureSet FALSE

    neededFeatures
    {
    }

    desiredFeatures
    {
    }

    supportedFeatures
    {
    }
}

h245Tunneling FALSE
}
}
```

```
*Aug 17 17:21:15.917: //-1/xxxxxxxxxxxx/H323/cch323_h225_receiver:
Received msg of type SETUPCFM_CHOSEN
```

```
*Aug 17 17:21:15.917: //229/182F2991800A/H323/setup_cfm_ind: ===== PI = 0
```

```
*Aug 17 17:21:15.917: //229/182F2991800A/H323/setup_cfm_ind:
Set new event H225_EV_FS_SETUP_CFM_IND
```

```
*Aug 17 17:21:15.917: //229/182F2991800A/H323/setup_cfm_ind:
Rcvd CONNECT Display Info IE = rtpmscvp
```

```
*Aug 17 17:21:15.917: //229/182F2991800A/H323/cch323_h225_receiver:
SETUPCFM_CHOSEN: src address = 14.50.201.11; dest address = 172.18.110.75
```

```
*Aug 17 17:21:15.917: //229/182F2991800A/H323/run_h225_sm:
```


Received event H225_EV_FS_SETUP_CFM_IND while at state H225_REQ_FS_SETUP

*Aug 17 17:21:15.917: //229/182F2991800A/H323/cch323_h225_set_new_state:
Changing from H225_REQ_FS_SETUP state to H225_FS_ACTIVE state

*Aug 17 17:21:15.917: H245 FS OLC INCOMING ENCODE BUFFER ::= 400080060401004C6013801215000100AC126E4B406000AC126E4B406100

*Aug 17 17:21:15.917:

*Aug 17 17:21:15.917: H245 FS OLC INCOMING PDU ::=

value OpenLogicalChannel ::=

```
{
    forwardLogicalChannelNumber 129
    forwardLogicalChannelParameters
    {
        dataType nullData : NULL
        multiplexParameters none : NULL
    }
    reverseLogicalChannelParameters
    {
        dataType audioData : g711Ulaw64k : 20
        multiplexParameters h2250LogicalChannelParameters :
        {
            sessionID 1
            mediaChannel unicastAddress : ipAddress :
            {
                network 'AC126E4B'H
                tsapIdentifier 16480
            }
            mediaControlChannel unicastAddress : ipAddress :
            {
                network 'AC126E4B'H
                tsapIdentifier 16481
            }
        }
        silenceSuppression FALSE
    }
}
```

```
}  
}  
}
```

```
*Aug 17 17:21:15.921: H245 FS OLC INCOMING ENCODE BUFFER ::=  
0000000C6013801215000100AC126E4B406000AC126E4B406100
```

```
*Aug 17 17:21:15.921:
```

```
*Aug 17 17:21:15.921: H245 FS OLC INCOMING PDU ::=
```

```
value OpenLogicalChannel ::=
```

```
{  
    forwardLogicalChannelNumber 1  
    forwardLogicalChannelParameters  
    {  
        dataType audioData : g711Ulaw64k : 20  
        multiplexParameters h2250LogicalChannelParameters :  
        {  
            sessionID 1  
            mediaChannel unicastAddress : ipAddress :  
            {  
                network 'AC126E4B'H  
                tsapIdentifier 16480  
            }  
            mediaControlChannel unicastAddress : ipAddress :  
            {  
                network 'AC126E4B'H  
                tsapIdentifier 16481  
            }  
            silenceSuppression FALSE  
        }  
    }  
}
```

```
}
```

[GW zendt antwoord op informatieaanvraag \(IRR\) naar de Gatekeeper](#)

```
*Aug 17 17:21:15.925: H225 NONSTD OUTGOING PDU ::=
```

```
value IRRperCallnonStandardInfo ::=
```

```
{
```

```
    startTime 1187371275
```

```
}
```

```
*Aug 17 17:21:15.925: H225 NONSTD OUTGOING ENCODE BUFFER ::= 7046C5D90B
```

```
*Aug 17 17:21:15.925:
```

```
*Aug 17 17:21:15.925: RAS OUTGOING PDU ::=
```

```
value RasMessage ::= infoRequestResponse :
```

```
{
```

```
    requestSeqNum 15288
```

```
    endpointType
```

```
{
```

```
    vendor
```

```
{
```

```
    vendor
```

```
{
```

```
        t35CountryCode 181
```

```
        t35Extension 0
```

```
        manufacturerCode 18
```

```
    }
```

```
}
```

```
    gateway
```

```
{
```

```
protocol
{
  voice :
  {
    supportedPrefixes
    {
      {
        prefix dialedDigits : "1#"
      }
    }
  },
  h323 :
  {
    supportedPrefixes
    {
    }
  }
}
mc FALSE
undefinedNode FALSE
}
endpointIdentifier {"84B3CC1C00000004"}
rasAddress ipAddress :
{
  ip '0E32C90B'H
  port 50363
}
callSignalAddress
{
  ipAddress :
  {
```

```
    ip '0E32C90B'H
    port 1720
  }
}
endpointAlias
{
  h323-ID : {"PSTN-GW"}
}
perCallInfo
{
  {
    nonStandardData
    {
      nonStandardIdentifier h221NonStandard :
      {
        t35CountryCode 181
        t35Extension 0
        manufacturerCode 18
      }
      data '7046C5D90B'H
    }
    callReferenceValue 67
    conferenceID '182F29914C1D11DC800A0017E0ABA838'H
    originator TRUE
    h245
    {
    }
    callSignaling
    {
    }
    callType pointToPoint : NULL
```

```
bandwidth 1280

callModel direct : NULL

callIdentifier

{
  guid '182FC5B94C1D11DC8298DF9092AE2C6A'H
}

substituteConfIDs

{
}

usageInformation

{
  nonStandardUsageFields

  {
  }

  connectTime 1187371275
}

}

}

needResponse FALSE

unsolicited TRUE

}
```

[GW stelt H245 TCP-verbinding in bij CVP en stuurt Terminal Capability Set \(TCS\) en Master Slave Assessment-bericht naar CVP](#)

*Aug 17 17:21:15.953: H245 MSC OUTGOING PDU ::=

```
value MultimediaSystemControlMessage ::= request : terminalCapabilitySet :

{
  sequenceNumber 1

  protocolIdentifier { 0 0 8 245 0 7 }

  multiplexCapability h2250Capability :

  {
```

```
maximumAudioDelayJitter 20
receiveMultipointCapability
{
  multicastCapability FALSE
  multiUniCastConference FALSE
  mediaDistributionCapability
  {
    {
      centralizedControl FALSE
      distributedControl FALSE
      centralizedAudio FALSE
      distributedAudio FALSE
      centralizedVideo FALSE
      distributedVideo FALSE
    }
  }
}
transmitMultipointCapability
{
  multicastCapability FALSE
  multiUniCastConference FALSE
  mediaDistributionCapability
  {
    {
      centralizedControl FALSE
      distributedControl FALSE
      centralizedAudio FALSE
      distributedAudio FALSE
      centralizedVideo FALSE
      distributedVideo FALSE
    }
  }
}
```

```
    }
  }
}
receiveAndTransmitMultipointCapability
{
  multicastCapability FALSE
  multiUniCastConference FALSE
  mediaDistributionCapability
  {
    {
      centralizedControl FALSE
      distributedControl FALSE
      centralizedAudio FALSE
      distributedAudio FALSE
      centralizedVideo FALSE
      distributedVideo FALSE
    }
  }
}
mcCapability
{
  centralizedConferenceMC FALSE
  decentralizedConferenceMC FALSE
}
rtcpVideoControlCapability FALSE
mediaPacketizationCapability
{
  h261aVideoPacketization FALSE
}
logicalChannelSwitchingCapability FALSE
t120DynamicPortCapability FALSE
```



```

}

capabilityTable
{

    {
        capabilityTableEntryNumber 34
        capability receiveRTPAudioTelephonyEventCapability :
        {
            dynamicRTPPayloadType 101
            audioTelephoneEvent "0-16"
        }
    },
    {
        capabilityTableEntryNumber 25
        capability receiveAndTransmitDataApplicationCapability :
        {
            application nonStandard :
            {
                nonStandardIdentifier h221NonStandard :
                {
                    t35CountryCode 181
                    t35Extension 0
                    manufacturerCode 18
                }
                data '52747044746D6652656C6179'H
            }
            maxBitRate 0
        }
    },
    {
        capabilityTableEntryNumber 31
        capability receiveUserInputCapability : hookflash : NULL
    }
}

```

```
},
{
  capabilityTableEntryNumber 30
  capability receiveUserInputCapability : dtmf : NULL
},
{
  capabilityTableEntryNumber 27
  capability receiveUserInputCapability : basicString : NULL
},
{
  capabilityTableEntryNumber 3
  capability receiveAudioCapability : g711Ulaw64k : 20
}
}
capabilityDescriptors
{
  {
    capabilityDescriptorNumber 1
    simultaneousCapabilities
    {
      {
        3
      },
      {
        34,
        30,
        27,
        25
      },
    }
  },
}
```

```
{
  31
}
}
}
}
}
```

```
*Aug 17 17:21:15.961: H245 MSC OUTGOING ENCODE BUFFER ::=
027001060008817500078013800014000100000100000100000CC0010
00100058000218A061404302D31368000184810B50000120C52747044
746D6652656C6179000080001E83015080001D83014080001A8301108
0000220C01300800102000002030021001D001A001800001E
```

```
*Aug 17 17:21:15.961:
```

```
*Aug 17 17:21:15.961: //229/182F2991800A/H323/h245_cap_out_set_new_state:
changing from IDLE state to AWAITING_RESPONSE state
```

```
*Aug 17 17:21:15.961: //229/182F2991800A/H323/cch323_run_h245_ms_sm:
Received event H245_EVENT_MSD while at state H245_MS_NONE
```

```
*Aug 17 17:21:15.961: H245 MSC OUTGOING PDU ::=
```

```
value MultimediaSystemControlMessage ::= request : masterSlaveDetermination :
{
  terminalType 60
  statusDeterminationNumber 9348
}
```

[GW ontvangt TCS- en MSD-bericht van CVP](#)

```
*Aug 17 17:21:15.965: H245 MSC INCOMING PDU ::=
```

```
value MultimediaSystemControlMessage ::= request : terminalCapabilitySet :
{
  sequenceNumber 1
  protocolIdentifier { 0 0 8 245 0 11 }
```

capabilityTable

```
{  
  
  {  
    capabilityTableEntryNumber 1  
    capability receiveAndTransmitAudioCapability : g711Ulaw64k : 20  
  },  
  {  
    capabilityTableEntryNumber 2  
    capability receiveAndTransmitUserInputCapability : basicString : NULL  
  },  
  {  
    capabilityTableEntryNumber 3  
    capability receiveAndTransmitUserInputCapability : dtmf : NULL  
  },  
  {  
    capabilityTableEntryNumber 4  
    capability receiveAndTransmitUserInputCapability : hookflash : NULL  
  },  
  {  
    capabilityTableEntryNumber 5  
    capability receiveAndTransmitUserInputCapability : iA5String : NULL  
  },  
  {  
    capabilityTableEntryNumber 729  
    capability receiveAndTransmitAudioCapability : g729 : 2  
  }  
}
```

capabilityDescriptors

```
{  
  
  {
```

capabilityDescriptorNumber 1

simultaneousCapabilities

{

{

1,

2,

3,

4,

5,

729

},

{

1,

729

},

{

1

}

}

}

}

}

*Aug 17 17:21:15.969: H245 MSC INCOMING PDU ::=

value MultimediaSystemControlMessage ::= request : masterSlaveDetermination :

{

terminalType 50

statusDeterminationNumber 767617

}

Ingress GW stuurt TCS Ack en MSD Ack naar CVP

*Aug 17 17:21:15.969: H245 MSC OUTGOING PDU ::=

value MultimediaSystemControlMessage ::= response : terminalCapabilitySetAck :

{

sequenceNumber 1

}

*Aug 17 17:21:15.969: //229/182F2991800A/H323/MSDetermination:

Am MASTER, ccb->h245.h245_mdStatus = 0x1

*Aug 17 17:21:15.969: H245 MSC OUTGOING PDU ::=

value MultimediaSystemControlMessage ::= response : masterSlaveDeterminationAck :

{

decision slave : NULL

}

Ingress GW ontvangt TCS en MSD ACK van CVP

*Aug 17 17:21:15.973: H245 MSC INCOMING PDU ::=

value MultimediaSystemControlMessage ::= response : terminalCapabilitySetAck :

{

sequenceNumber 1

}

*Aug 17 17:21:15.973: h245_decode_one_pdu: H245ASNDecodePdu rc = 0, bytesLeftToDecode = 0

*Aug 17 17:21:15.973: h245_decode_one_pdu: Read Pkt body: more_pdus:0 rc:0 asn_rc:0

*Aug 17 17:21:15.973: //229/182F2991800A/H323/cch323_run_h245_cap_out_sm:

Received H245_EVENT_CAP_CFM while at state AWAITING_RESPONSE

*Aug 17 17:21:15.973: //229/182F2991800A/H323/h245_cap_out_set_new_state:

changing from AWAITING_RESPONSE state to IDLE state

*Aug 17 17:21:15.973: //229/182F2991800A/H323/run_h245_iwf_sm:
received IWF_EV_CAP_CFM while at state IWF_AWAIT_CAP_MSD_RESP

*Aug 17 17:21:15.977: //229/182F2991800A/H323/h245_iwf_set_new_state:
changing from IWF_AWAIT_CAP_MSD_RESP state to IWF_AWAIT_MSD_RESP state

*Aug 17 17:21:15.977: h323chan_chn_process_read_socket

*Aug 17 17:21:15.977: h323chan_chn_process_read_socket: fd=4 of type CONNECTED has data

*Aug 17 17:21:15.977: h323chan_chn_process_read_socket: h323chan accepted/connected fd=4

*Aug 17 17:21:15.977: h245_decode_one_pdu: more_pdus = 0, bytesLeftToDecode = 2

*Aug 17 17:21:15.977: H245 MSC INCOMING ENCODE BUFFER ::= 2080

*Aug 17 17:21:15.977:

*Aug 17 17:21:15.977: H245 MSC INCOMING PDU ::=

value MultimediaSystemControlMessage ::= response : masterSlaveDeterminationAck :

```
{  
    decision master : NULL  
}
```

[CVP stuurt nu de mediaconnector naar de VXML gateway. Ingress GW ontvangt lege televisiecamerasystemen van CVP](#)

*Aug 17 17:21:15.985: H245 MSC INCOMING PDU ::=

value MultimediaSystemControlMessage ::= request : terminalCapabilitySet :

```
{  
    sequenceNumber 2  
    protocolIdentifier { 0 0 8 245 0 11 }  
}
```

[Ingress GW sluit zijn logische kanaal door CloseLogicalChannel \(CLC\) naar CVP te verzenden](#)

*Aug 17 17:21:15.985: H245 MSC OUTGOING PDU ::=

value MultimediaSystemControlMessage ::= request : closeLogicalChannel :

```
{
```

forwardLogicalChannelNumber 1

source user : NULL

}

Ingress GW stuurt TCS ACK naar CVP

*Aug 17 17:21:15.985: H245 MSC OUTGOING ENCODE BUFFER ::= 0400000000

*Aug 17 17:21:15.985:

*Aug 17 17:21:15.985: //229/182F2991800A/H323/h245_olc_out_set_new_state:
Changing from H245_OLC_OUT_STATE_ESTABLISHED state to H245_OLC_OUT_STATE_IDLE state

*Aug 17 17:21:15.985: //229/182F2991800A/H323/h245_iwf_set_new_state:
changing from IWF_OLC_DONE state to IWF_OLC_IN_DONE state

*Aug 17 17:21:15.985: //229/182F2991800A/H323/cch323_run_h245_cap_in_sm:
Received H245_EVENT_CAP_RESP while at state AWAITING_RESPONSE

*Aug 17 17:21:15.985: H245 MSC OUTGOING PDU ::=

value MultimediaSystemControlMessage ::= response : terminalCapabilitySetAck :

{

sequenceNumber 2

}

Ingress GW stuurt Bandbreedteaanvraag naar Gatekeeper om de huidige bandbreedte (nul) die voor de oproep is gebruikt, bij te werken

*Aug 17 17:21:15.985: H245 MSC OUTGOING ENCODE BUFFER ::= 218002

*Aug 17 17:21:15.985:

*Aug 17 17:21:15.985: //229/182F2991800A/H323/h245_cap_in_set_new_state:
changing from AWAITING_RESPONSE state to IDLE state

*Aug 17 17:21:15.989: RAS OUTGOING PDU ::=

value RasMessage ::= bandwidthRequest :

{

requestSeqNum 15289

endpointIdentifier {"84B3CC1C00000004"}

conferenceID '182F29914C1D11DC800A0017E0ABA838'H

callReferenceValue 67

bandWidth 0


```
callIdentifier
{
    guid '182FC5B94C1D11DC8298DF9092AE2C6A'H
}
answeredCall FALSE
}
```

[CVP sluit zijn logische kanaal door CLC naar de Ingress GW te sturen](#)

*Aug 17 17:21:15.989: H245 MSC INCOMING PDU ::=

```
value MultimediaSystemControlMessage ::= request : closeLogicalChannel :
{
    forwardLogicalChannelNumber 129
    source user : NULL
    reason unknown : NULL
}
```

*Aug 17 17:21:15.989: h245_decode_one_pdu: H245ASNDecodePdu rc = 0, bytesLeftToDecode = 0

*Aug 17 17:21:15.989: h245_decode_one_pdu: Read Pkt body: more_pdus:0 rc:0 asn_rc:0

*Aug 17 17:21:15.989: H245 MSC OUTGOING PDU ::=

```
value MultimediaSystemControlMessage ::= response : closeLogicalChannelAck :
{
    forwardLogicalChannelNumber 129
}
```

[Ingress GW ontvangt televisiecamerasystemen en MSD van CVP. Deze TCS verschaft informatie over de terminalmogelijkheden van de VXML-gateway](#)

*Aug 17 17:21:16.129: H245 MSC INCOMING PDU ::=

```
value MultimediaSystemControlMessage ::= request : terminalCapabilitySet :
```

```
{
  sequenceNumber 3
  protocolIdentifier { 0 0 8 245 0 11 }
  multiplexCapability h2250Capability :
  {
    maximumAudioDelayJitter 20
    receiveMultipointCapability
    {
      multicastCapability FALSE
      multiUniCastConference FALSE
      mediaDistributionCapability
      {
        {
          centralizedControl FALSE
          distributedControl FALSE
          centralizedAudio FALSE
          distributedAudio FALSE
          centralizedVideo FALSE
          distributedVideo FALSE
        }
      }
    }
    transmitMultipointCapability
    {
      multicastCapability FALSE
      multiUniCastConference FALSE
      mediaDistributionCapability
      {
        {
          centralizedControl FALSE
```

```
distributedControl FALSE
centralizedAudio FALSE
distributedAudio FALSE
centralizedVideo FALSE
distributedVideo FALSE
}
}
}
receiveAndTransmitMultipointCapability
{
multicastCapability FALSE
multiUniCastConference FALSE
mediaDistributionCapability
{
{
centralizedControl FALSE
distributedControl FALSE
centralizedAudio FALSE
distributedAudio FALSE
centralizedVideo FALSE
distributedVideo FALSE
}
}
}
mcCapability
{
centralizedConferenceMC FALSE
decentralizedConferenceMC FALSE
}
rtcpVideoControlCapability FALSE
mediaPacketizationCapability
```

```
{
    h261aVideoPacketization FALSE
}

logicalChannelSwitchingCapability FALSE

t120DynamicPortCapability FALSE
}

capabilityTable
{
    {
        capabilityTableEntryNumber 34
        capability receiveRTPAudioTelephonyEventCapability :
        {
            dynamicRTPPayloadType 101
            audioTelephoneEvent "0-16"
        }
    },
    {
        capabilityTableEntryNumber 31
        capability receiveUserInputCapability : hookflash : NULL
    },
    {
        capabilityTableEntryNumber 30
        capability receiveUserInputCapability : dtmf : NULL
    },
    {
        capabilityTableEntryNumber 27
        capability receiveUserInputCapability : basicString : NULL
    },
    {
        capabilityTableEntryNumber 3
        capability receiveAudioCapability : g711Ulaw64k : 20
    }
}
```

```
    }
  }
  capabilityDescriptors
  {
    {
      capabilityDescriptorNumber 1
      simultaneousCapabilities
      {
        {
          3
        },
        {
          34,
          30,
          27
        },
        {
          31
        }
      }
    }
  }
}
```

[Ingress GW stuurt zijn TCS en MSD naar CVP](#)

*Aug 17 17:21:16.141: H245 MSC OUTGOING PDU ::=

value MultimediaSystemControlMessage ::= request : terminalCapabilitySet :

```
{
  sequenceNumber 2
  protocolIdentifier { 0 0 8 245 0 7 }
  multiplexCapability h2250Capability :
  {
    maximumAudioDelayJitter 20
    receiveMultipointCapability
    {
      multicastCapability FALSE
      multiUniCastConference FALSE
      mediaDistributionCapability
      {
        {
          centralizedControl FALSE
          distributedControl FALSE
          centralizedAudio FALSE
          distributedAudio FALSE
          centralizedVideo FALSE
          distributedVideo FALSE
        }
      }
    }
    transmitMultipointCapability
    {
      multicastCapability FALSE
      multiUniCastConference FALSE
      mediaDistributionCapability
      {
        {
          centralizedControl FALSE
```

```
distributedControl FALSE
centralizedAudio FALSE
distributedAudio FALSE
centralizedVideo FALSE
distributedVideo FALSE
}
}
}
receiveAndTransmitMultipointCapability
{
multicastCapability FALSE
multiUniCastConference FALSE
mediaDistributionCapability
{
{
centralizedControl FALSE
distributedControl FALSE
centralizedAudio FALSE
distributedAudio FALSE
centralizedVideo FALSE
distributedVideo FALSE
}
}
}
mcCapability
{
centralizedConferenceMC FALSE
decentralizedConferenceMC FALSE
}
rtcpVideoControlCapability FALSE
mediaPacketizationCapability
```

```
{
    h261aVideoPacketization FALSE
}

logicalChannelSwitchingCapability FALSE

t120DynamicPortCapability FALSE
}

capabilityTable

{

    {
        capabilityTableEntryNumber 34
        capability receiveRTPAudioTelephonyEventCapability :
        {
            dynamicRTPPayloadType 101
            audioTelephoneEvent "0-16"
        }
    },
    {
        capabilityTableEntryNumber 25
        capability receiveAndTransmitDataApplicationCapability :
        {
            application nonStandard :
            {
                nonStandardIdentifier h221NonStandard :
                {
                    t35CountryCode 181
                    t35Extension 0
                    manufacturerCode 18
                }
                data '52747044746D6652656C6179'H
            }
        }
        maxBitRate 0
    }
}
```



```
    }
  },
  {
    capabilityTableEntryNumber 31
    capability receiveUserInputCapability : hookflash : NULL
  },
  {
    capabilityTableEntryNumber 30
    capability receiveUserInputCapability : dtmf : NULL
  },
  {
    capabilityTableEntryNumber 27
    capability receiveUserInputCapability : basicString : NULL
  },
  {
    capabilityTableEntryNumber 3
    capability receiveAudioCapability : g711Ulaw64k : 20
  }
}
capabilityDescriptors
{
  {
    capabilityDescriptorNumber 1
    simultaneousCapabilities
    {
      {
        3
      },
    }
  }
}
```

```
    34,  
    30,  
    27,  
    25  
  },  
  
  {  
    31  
  }  
}  
  
}  
  
}  
  
}
```

```
*Aug 17 17:21:16.149: H245 MSC OUTGOING ENCODE BUFFER::=  
027002060008817500078013800014000100000100000100000CC0010  
00100058000218A061404302D31368000184810B50000120C52747044  
746D6652656C6179000080001E83015080001D83014080001A8301108  
0000220C01300800102000002030021001D001A001800001E
```

```
*Aug 17 17:21:16.149:
```

```
*Aug 17 17:21:16.149: //229/182F2991800A/H323/h245_cap_out_set_new_state:  
changing from IDLE state to AWAITING_RESPONSE state
```

```
*Aug 17 17:21:16.149: //229/182F2991800A/H323/cch323_run_h245_ms_sm:  
Received event H245_EVENT_MSD while at state H245_MS_NONE
```

```
*Aug 17 17:21:16.149: H245 MSC OUTGOING PDU ::=
```

```
value MultimediaSystemControlMessage ::= request : masterSlaveDetermination :
```

```
{  
  terminalType 60  
  statusDeterminationNumber 3855  
}
```

[Ingress GW stuurt MSD-schijf en TCS-toegang naar CVP](#)

*Aug 17 17:21:16.153: H245 MSC OUTGOING PDU ::=

value MultimediaSystemControlMessage ::= response : masterSlaveDeterminationAck :

```
{  
    decision slave : NULL  
}
```

*Aug 17 17:21:16.153: H245 MSC OUTGOING ENCODE BUFFER::= 20A0

*Aug 17 17:21:16.153:

*Aug 17 17:21:16.153: //229/182F2991800A/H323/cch323_run_h245_ms_sm:
MS_Determine_indication to Appl: Sent MSD ACK!

*Aug 17 17:21:16.153: //229/182F2991800A/H323/h245_ms_set_new_state:
Changing from H245_MS_OUTGOING_WAIT state to H245_MS_INCOMING_WAIT state

*Aug 17 17:21:16.153: //229/182F2991800A/H323/run_h245_iwf_sm:
received IWF_EV_MSD_ACK_SENT while at state IWF_AWAIT_MSD_RESP

*Aug 17 17:21:16.153: //229/182F2991800A/H323/h245_iwf_common_msacksent:
Negotiated codecs and dtmf are initialised in ccb

*Aug 17 17:21:16.153: h323chan_chn_process_read_socket

*Aug 17 17:21:16.153: h323chan_chn_process_read_socket: fd=4 of type CONNECTED has data

*Aug 17 17:21:16.153: h323chan_chn_process_read_socket: h323chan accepted/connected fd=4

*Aug 17 17:21:16.153: h245_decode_one_pdu: more_pdus = 0, bytesLeftToDecode = 3

*Aug 17 17:21:16.153: H245 MSC INCOMING ENCODE BUFFER::= 218002

*Aug 17 17:21:16.153:

*Aug 17 17:21:16.153: H245 MSC INCOMING PDU ::=

value MultimediaSystemControlMessage ::= response : terminalCapabilitySetAck :

```
{  
    sequenceNumber 2  
}
```

[Ingoers GW stuurt BRQ naar Gatekeeper om de huidige bandbreedte bij te werken die voor de oproep wordt gebruikt \(2*64=128 kbps\)](#)

*Aug 17 17:21:16.157: RAS OUTGOING PDU ::=

value RasMessage ::= bandwidthRequest :

```
{
  requestSeqNum 15290
  endpointIdentifier {"84B3CC1C00000004"}
  conferenceID '182F29914C1D11DC800A0017E0ABA838'H
  callReferenceValue 67
  bandWidth 1280
  callIdentifier
  {
    guid '182FC5B94C1D11DC8298DF9092AE2C6A'H
  }
  answeredCall FALSE
}
```

*Aug 17 17:21:16.173: RAS INCOMING PDU ::=

value RasMessage ::= bandwidthConfirm :

```
{
  requestSeqNum 15290
  bandWidth 1280
}
```

[Ingress GW stuurt OLC-verzoek naar CVP](#)

*Aug 17 17:21:16.173: H245 MSC OUTGOING PDU ::=

value MultimediaSystemControlMessage ::= request : openLogicalChannel :

```
{
  forwardLogicalChannelNumber 2
  forwardLogicalChannelParameters
  {
    dataType audioData : g711Ulaw64k : 20
  }
}
```

```
multiplexParameters h2250LogicalChannelParameters :  
  
{  
  
  sessionID 1  
  
  mediaControlChannel unicastAddress : ipAddress :  
  
  {  
  
    network '0E32C90B'H  
  
    tsapIdentifier 18491  
  
  }  
  
  silenceSuppression FALSE  
  
}  
  
}
```

[Ingress GW ontvangt OLC van CVP. CVP verstrekt het IP-adres van de VXML-gateway voor de RTCP-verbinding](#)

*Aug 17 17:21:16.177: H245 MSC INCOMING PDU ::=

```
value MultimediaSystemControlMessage ::= request : openLogicalChannel :  
  
{  
  
  forwardLogicalChannelNumber 258  
  
  forwardLogicalChannelParameters  
  
  {  
  
    dataType audioData : g711Ulaw64k : 20  
  
    multiplexParameters h2250LogicalChannelParameters :  
  
    {  
  
      sessionID 1  
  
      mediaControlChannel unicastAddress : ipAddress :  
  
      {  
  
        network '0E32C90F'H  
  
        tsapIdentifier 21135  
  
      }  
  
    }  
  
  }  
  
}
```

```
}
```

```
}
```

GW stuurt OLC Ack respons op CVP

```
*Aug 17 17:21:16.181: H245 MSC OUTGOING PDU ::=
```

```
value MultimediaSystemControlMessage ::= response : openLogicalChannelAck :
```

```
{
```

```
forwardLogicalChannelNumber 258
```

```
forwardMultiplexAckParameters h2250LogicalChannelAckParameters :
```

```
{
```

```
mediaChannel unicastAddress : ipAddress :
```

```
{
```

```
network '0E32C90B'H
```

```
tsapIdentifier 18490
```

```
}
```

```
mediaControlChannel unicastAddress : ipAddress :
```

```
{
```

```
network '0E32C90B'H
```

```
tsapIdentifier 18491
```

```
}
```

```
flowControlToZero FALSE
```

```
}
```

```
}
```

GW ontvangt OLC Ack van CVP. CVP verstrekt het IP adres van de VXML gateway voor RTP-verbinding. RTP-verbinding tussen Ingress GW en VXML GW wordt ingesteld

```
*Aug 17 17:21:16.185: H245 MSC INCOMING PDU ::=
```

```
value MultimediaSystemControlMessage ::= response : openLogicalChannelAck :
```

```
{
```

```
forwardLogicalChannelNumber 2
```

```
forwardMultiplexAckParameters h2250LogicalChannelAckParameters :
```

```

{
  sessionID 1
  mediaChannel unicastAddress : ipAddress :
  {
    network '0E32C90F'H
    tsapIdentifier 21134
  }
  mediaControlChannel unicastAddress : ipAddress :
  {
    network '0E32C90F'H
    tsapIdentifier 21135
  }
}
}

```

[Gateway detecteert DTMF-cijfer "1" en stuurt het via RTP-NTE \(RFC 2833\) gebaseerde DTMF-Relay-gebeurtenissen naar VXML GW](#)

```

s=DSP d=VoIP payload 0x65 ssrc 0x1D5E sequence 0x2543 timestamp 0x16EE0
Pt:101 Evt:1 Pkt:03 00 00 <Snd>>>
s=DSP d=VoIP payload 0x65 ssrc 0x1D5E sequence 0x2544 timestamp 0x16EE0
Pt:101 Evt:1 Pkt:03 00 00 <Snd>>>
s=DSP d=VoIP payload 0x65 ssrc 0x1D5E sequence 0x2545 timestamp 0x16EE0
Pt:101 Evt:1 Pkt:03 00 00 <Snd>>>
s=DSP d=VoIP payload 0x65 ssrc 0x1D5E sequence 0x2546 timestamp 0x16EE0
Pt:101 Evt:1 Pkt:03 01 90 <Snd>>>
s=DSP d=VoIP payload 0x65 ssrc 0x1D5E sequence 0x2547 timestamp 0x16EE0
Pt:101 Evt:1 Pkt:03 03 20 <Snd>>>
s=DSP d=VoIP payload 0x65 ssrc 0x1D5E sequence 0x2548 timestamp 0x16EE0
Pt:101 Evt:1 Pkt:83 03 38 <Snd>>>
s=DSP d=VoIP payload 0x65 ssrc 0x1D5E sequence 0x2549 timestamp 0x16EE0
Pt:101 Evt:1 Pkt:83 03 38 <Snd>>>
s=DSP d=VoIP payload 0x65 ssrc 0x1D5E sequence 0x254A timestamp 0x16EE0
Pt:101 Evt:1 Pkt:83 03 38 <Snd>>>

```

Nu, CVP richt de vraag naar de Agent IP telefoon terug die de vraag beantwoordde. GW ontvangt lege TCS

*Aug 17 17:22:05.349: H245 MSC INCOMING PDU ::=

```
value MultimediaSystemControlMessage ::= request : terminalCapabilitySet :  
  
  {  
  
    sequenceNumber 4  
  
    protocolIdentifier { 0 0 8 245 0 11 }  
  
  }
```

Ingress GW ontvangt televisiecamerasystemen en MSD van CVP. Deze televisiecamerasystemen bieden informatie over de uiteindelijke mogelijkheden van de IP-telefoon

*Aug 17 17:22:09.569: H245 MSC INCOMING PDU ::=

```
value MultimediaSystemControlMessage ::= request : terminalCapabilitySet :  
  
  {  
  
    sequenceNumber 5  
  
    protocolIdentifier { 0 0 8 245 0 11 }  
  
    multiplexCapability h2250Capability :  
  
    {  
  
      maximumAudioDelayJitter 60  
  
      receiveMultipointCapability  
  
      {  
  
        multicastCapability FALSE  
  
        multiUniCastConference FALSE  
  
        mediaDistributionCapability  
  
        {  
  
          {  
  
            centralizedControl FALSE  
  
            distributedControl FALSE  
  
            centralizedAudio FALSE
```



```
        distributedAudio FALSE
        centralizedVideo FALSE
        distributedVideo FALSE
    }
}
}
transmitMultipointCapability
{
    multicastCapability FALSE
    multiUniCastConference FALSE
    mediaDistributionCapability
    {
        {
            centralizedControl FALSE
            distributedControl FALSE
            centralizedAudio FALSE
            distributedAudio FALSE
            centralizedVideo FALSE
            distributedVideo FALSE
        }
    }
}
receiveAndTransmitMultipointCapability
{
    multicastCapability FALSE
    multiUniCastConference FALSE
    mediaDistributionCapability
    {
        {
            centralizedControl FALSE
```

```
distributedControl FALSE

centralizedAudio FALSE

distributedAudio FALSE

centralizedVideo FALSE

distributedVideo FALSE

}

}

}

mcCapability

{

centralizedConferenceMC FALSE

decentralizedConferenceMC FALSE

}

rtcpVideoControlCapability FALSE

mediaPacketizationCapability

{

h261aVideoPacketization FALSE

}

logicalChannelSwitchingCapability FALSE

t120DynamicPortCapability FALSE

}

capabilityTable

{

{

capabilityTableEntryNumber 1

capability receiveAudioCapability : g711Ulaw64k : 40

},

{

capabilityTableEntryNumber 2

capability receiveAndTransmitUserInputCapability : dtmf : NULL

},

}
```

```
{
  capabilityTableEntryNumber 3
  capability receiveAndTransmitUserInputCapability : basicString : NULL
},
{
  capabilityTableEntryNumber 44
  capability receiveAndTransmitUserInputCapability : hookflash : NULL
}
}
capabilityDescriptors
{
  {
    capabilityDescriptorNumber 0
    simultaneousCapabilities
    {
      {
        1
      },
      {
        2,
        3
      },
      {
        44
      }
    }
  }
}
```

```
}
```

```
*Aug 17 17:22:09.589: H245 MSC INCOMING PDU ::=
```

```
value MultimediaSystemControlMessage ::= request : masterSlaveDetermination :
```

```
{
```

```
terminalType 50
```

```
statusDeterminationNumber 767617
```

```
}
```

[Ingress GW ontvangt OLC van CVP. CVP verstrekt het IP-adres van CallManager voor de RTCP-verbinding](#)

```
*Aug 17 17:22:09.597: H245 MSC INCOMING PDU ::=
```

```
value MultimediaSystemControlMessage ::= request : openLogicalChannel :
```

```
{
```

```
forwardLogicalChannelNumber 259
```

```
forwardLogicalChannelParameters
```

```
{
```

```
dataType audioData : g711Ulaw64k : 20
```

```
multiplexParameters h2250LogicalChannelParameters :
```

```
{
```

```
sessionID 1
```

```
mediaControlChannel unicastAddress : ipAddress :
```

```
{
```

```
network 'AC126E54'H
```

```
tsapIdentifier 4001
```

```
}
```

```
}
```

```
}
```

```
}
```

[GW stuurt OLC Ack respons op CVP](#)

*Aug 17 17:22:09.613: H245 MSC OUTGOING PDU ::=

value MultimediaSystemControlMessage ::= response : openLogicalChannelAck :

```
{
  forwardLogicalChannelNumber 259
  forwardMultiplexAckParameters h2250LogicalChannelAckParameters :
  {
    mediaChannel unicastAddress : ipAddress :
    {
      network '0E32C90B'H
      tsapIdentifier 18490
    }
    mediaControlChannel unicastAddress : ipAddress :
    {
      network '0E32C90B'H
      tsapIdentifier 18491
    }
    flowControlToZero FALSE
  }
}
```

[GW ontvangt OLC Ack van CVP. CVP verstrekt het IP adres van de Agent IP Phone voor RTP-verbinding. RTP-verbinding tussen Ingeer GW en IP-telefoon](#)

*Aug 17 17:22:09.609: H245 MSC OUTGOING PDU ::=

value MultimediaSystemControlMessage ::= request : openLogicalChannel :

```
{
  forwardLogicalChannelNumber 3
  forwardLogicalChannelParameters
  {
    dataType audioData : g711Ulaw64k : 20
    multiplexParameters h2250LogicalChannelParameters :
    {
```

```
sessionID 1

mediaControlChannel unicastAddress : ipAddress :

{

    network '0E32C90B'H

    tsapIdentifier 18491

}

silenceSuppression FALSE

}

}

}
```

*Aug 17 17:22:09.633: H245 MSC INCOMING PDU ::=

```
value MultimediaSystemControlMessage ::= response : openLogicalChannelAck :

{

    forwardLogicalChannelNumber 3

    forwardMultiplexAckParameters h2250LogicalChannelAckParameters :

    {

        sessionID 1

        mediaChannel unicastAddress : ipAddress :

        {

            network '0E32CA1A'H

            tsapIdentifier 17156

        }

        mediaControlChannel unicastAddress : ipAddress :

        {

            network '0E32CA1A'H

            tsapIdentifier 17157

        }

    }

}
```

[Na het gesprek met de Agent af te ronden, hangt de beller van PSTN omhoog. Ingress GW](#)

ontvangt ISDN-ontkoppeling via het PSTN

*Aug 17 17:22:56.329: ISDN Se1/0/0:23 Q931: RX <- DISCONNECT pd = 8 callref = 0x0088

Cause i = 0x8290 - Normal call clearing

*Aug 17 17:22:56.329: %ISDN-6-DISCONNECT: Interface Serial1/0/0:0 disconnected from 9999 , call lasted 100 seconds

*Aug 17 17:22:56.333: ISDN Se1/0/0:23 Q931: TX -> RELEASE pd = 8 callref = 0x8088

*Aug 17 17:22:56.333: //228/182F2991800A/CCAPI/cc_api_call_disconnected:

Cause Value=16, Interface=0x46964DF8, Call Id=228

*Aug 17 17:22:56.333: //228/182F2991800A/CCAPI/cc_api_call_disconnected:

Call Entry(Responded=TRUE, Cause Value=16, Retry Count=0)

Ingoers GW beëindigt de H323-oproep op het IP-been door H225 release Complete bericht naar CVP te verzenden

*Aug 17 17:22:56.337: H225.0 OUTGOING PDU ::=

value H323_UserInformation ::=

```
{
  h323-uu-pdu
  {
    h323-message-body releaseComplete :
    {
      protocolIdentifier { 0 0 8 2250 0 4 }
      callIdentifier
      {
        guid '182FC5B94C1D11DC8298DF9092AE2C6A'H
      }
    }
  }
  h245Tunneling FALSE
  nonStandardControl
  {
    {
```

```

nonStandardIdentifier h221NonStandard :
{
    t35CountryCode 181
    t35Extension 0
    manufacturerCode 18
}
data '6001020001082C080282901C269E810003677464...'H
}
}
tunnelledSignallingMessage
{
    tunnelledProtocolID
    {
        id tunnelledProtocolAlternateID :
        {
            protocolType "gtd"
        }
    }
    messageContent
    {
        '52454C2C0D0A50524E2C6973646E2A2C2C4E492A...'H
    }
    tunnellingRequired NULL
}
}
}

```

[GW stuurt DisconnectedApplication \(DRQ\) naar de Gatekeeper](#)

*Aug 17 17:22:56.341: RAS OUTGOING PDU ::=

value RasMessage ::= disengageRequest :

```
{
```



```
requestSeqNum 15295

endpointIdentifier {"84B3CC1C00000004"}

conferenceID '182F29914C1D11DC800A0017E0ABA838'H

callReferenceValue 67

disengageReason normalDrop : NULL

nonStandardData

{

  nonStandardIdentifier h221NonStandard :

  {

    t35CountryCode 181

    t35Extension 0

    manufacturerCode 18

  }

  data '40001A52454C2C0D0A50524E2C6973646E2A2C2C...'H

}

callIdentifier

{

  guid '182FC5B94C1D11DC8298DF9092AE2C6A'H

}

answeredCall FALSE

usageInformation

{

  nonStandardUsageFields

  {

    {

      nonStandardIdentifier h221NonStandard :

      {

        t35CountryCode 181

        t35Extension 0

        manufacturerCode 18

      }

    }

  }

}
```

```
        data '4800'H
    }
}

connectTime 1187371275

endTime 1187371375

}

terminationCause releaseCompleteCauseIE : '08028090'H

}
```

[De H245-verbinding tussen de GW en CVP wordt gesloten na de uitwisseling van CLC- en EndSession-opdrachten](#)

*Aug 17 17:22:56.357: H245 MSC INCOMING PDU ::=

value MultimediaSystemControlMessage ::= request : closeLogicalChannel :

```
{
    forwardLogicalChannelNumber 259

    source user : NULL

    reason unknown : NULL
}
```

*Aug 17 17:22:56.357: h245_decode_one_pdu: H245ASNDecodePdu rc = 0, bytesLeftToDecode = 0

*Aug 17 17:22:56.357: h245_decode_one_pdu: Read Pkt body: more_pdus:0 rc:0 asn_rc:0

*Aug 17 17:22:56.357: H245 MSC OUTGOING PDU ::=

value MultimediaSystemControlMessage ::= response : closeLogicalChannelAck :

```
{
    forwardLogicalChannelNumber 259
}
```

*Aug 17 17:22:56.357: H245 MSC INCOMING PDU ::=

```
value MultimediaSystemControlMessage ::= command : endSessionCommand : disconnect : NULL
```

```
*Aug 17 17:22:56.357: h245_decode_one_pdu: H245ASNDecodePdu rc = 0, bytesLeftToDecode = 0
```

```
*Aug 17 17:22:56.357: h245_decode_one_pdu: Read Pkt body: more_pdus:0 rc:0 asn_rc:0
```

```
*Aug 17 17:22:56.357: H245 MSC OUTGOING PDU ::=
```

```
value MultimediaSystemControlMessage ::= command : endSessionCommand : disconnect : NULL
```

[Gerelateerde informatie](#)

- [Ondersteuning voor spraaktechnologie](#)
- [Productondersteuning voor spraak en Unified Communications](#)
- [Probleemoplossing voor Cisco IP-telefonie](#)
- [Technische ondersteuning en documentatie – Cisco Systems](#)