

H.320网关到H.323网守视频呼叫流

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简介

本文描述一个基本H.320网关的呼叫流对H.323网守视频呼叫。H.320是多媒体数据、语音和视频呼叫的—ITU-T建议在ISDN网络。

H.320包括这些协议：

- H.221 —定义了视听远程服务的帧结构在1条或更多ISDN B信道间。
- H.230 —定义了用于一个视听系统和信息信号的控制。
- H.242 —定义了信令程序，例如模式初始化，功能开关和要求的模式交换建立多媒体呼叫。

每H.320视频呼叫包括—主要的呼叫和零或更多附属呼叫。例如，128K视频呼叫包括1主要的呼叫和1附属呼叫。

先决条件

要求

本文档没有任何特定的要求。

使用的组件

本文档中的信息基于以下软件和硬件版本：

- H.320网关：与NM-HDV2 (5510个DSP)的Cisco3725
- H.323网守：Cisco 3660
- H.323视频终端：Polycom V500
- 带宽= 384K

本文档中的信息都是基于特定实验室环境中的设备编写的。本文档中使用的所有设备最初均采用原始（默认）配置。如果您使用的是真实网络，请确保您已经了解所有命令的潜在影响。

规则

关于文件规则的信息，请参见[Cisco技术提示规则](#)。

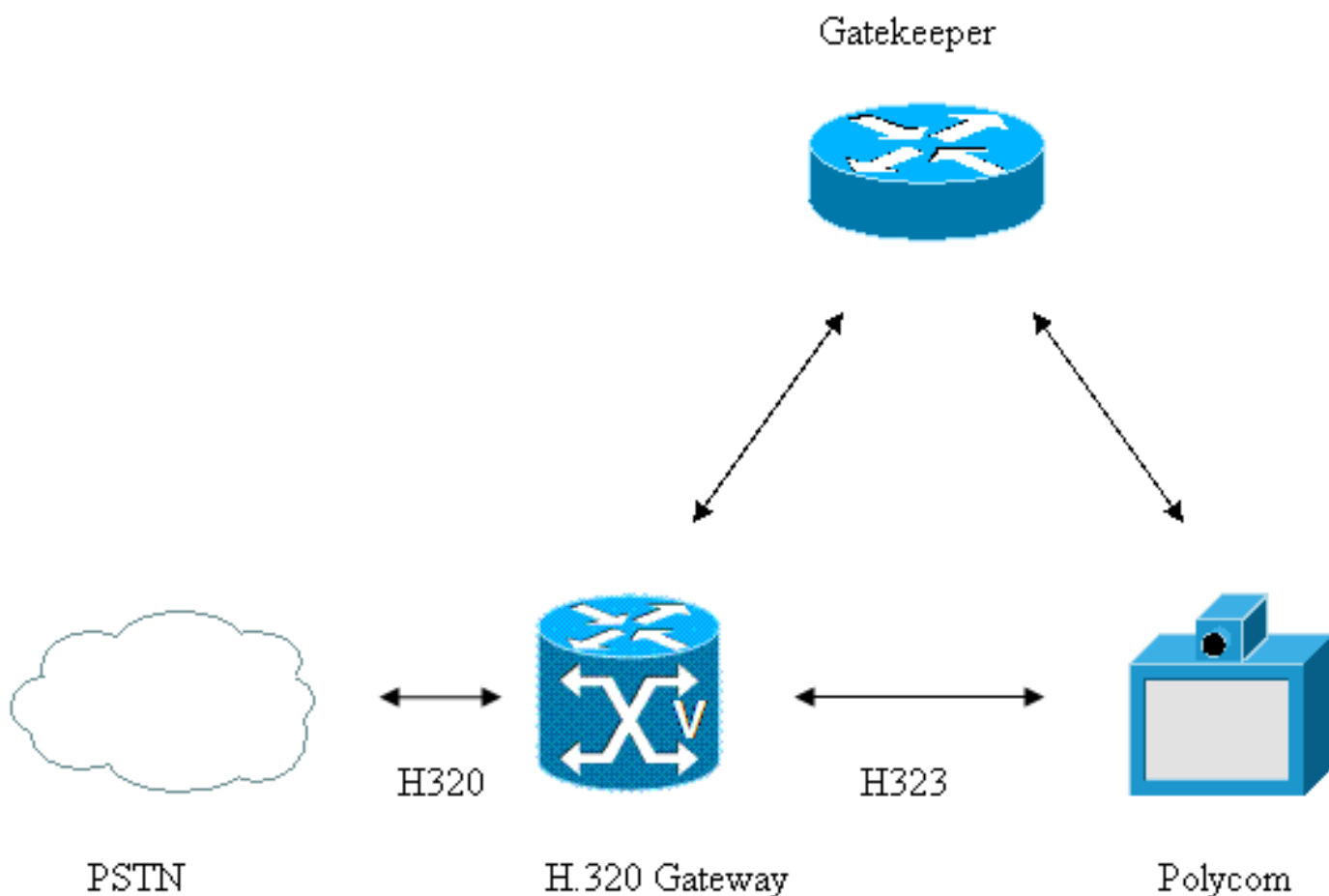
配置

本部分提供有关如何配置本文档所述功能的信息。

注意： 使用[命令查找工具](#)（[仅限注册用户](#)）可获取有关本部分所使用命令的详细信息。

网络图

本文档使用以下网络设置：



拨号方案

本文使用此拨号计划：

- PSTN的视频端点：919-392-6000H.320主要的被叫号码：919-392-6000H.320附属被叫号码：919-392-6001到919-392-6005
- Polycom：919-991-5600H.320主要的被叫号码：919-991-5600H.320附属被叫号码：919-991-5601到919-991-5605

配置

本文档使用以下配置：

```
DevicH.320网关配置Name1

voice class h323 1
!--- Slow start is required for Video calls call start
slow voice class called number inbound 1 index 1
9199915601 index 2 9199915602 index 3 9199915603 index 4
9199915604 index 5 9199915605 voice class called number
outbound 1 index 1 9193926001 index 2 9193926002 index 3
9193926003 index 4 9193926004 index 5 9193926005
controller T1 2/0 framing esf linecode b8zs pri-group
timeslots 1-24 interface Serial2/1:23 no ip address
encapsulation hdlc isdn switch-type primary-ni !---
Specifies gateway to accept data, voice and video !---
calls on the same ISDN interface isdn integrate calltype
all no cdp enable dial-peer voice 9190 pots description
"Inbound H320 Dial-peer" !--- Specifies that this is a
H.320 dial-peer information-type video !--- Specifies
the list of called-numbers used to associate !---
secondary calls with primary call of an inbound video
call voice-class called-number inbound 1 !--- Specifies
the list of called-numbers used for !--- making
secondary calls of an outbound video call voice-class
called-number outbound 1 incoming called-number
919991.... !--- Maximum bandwidth allowed for a video
call !--- across this dial-peer bandwidth maximum 384
direct-inward-dial port 2/1:23 forward-digits all dial-
peer voice 9910 voip description "Dial-peer to Polycom"
destination-pattern 919991.... voice-class h323 1 !---
Specifies video codec to be used video codec h263+ !---
Specifies the RTP Payload Type to be used !--- for the
Video codec rtp payload-type cisco-codec-video-h263+ 110
session target ras incoming called-number 919392....
codec g711ulaw no vad
```

带宽消耗

在本文描述的视频呼叫使用384K带宽。

视频呼叫的带宽消耗：

- = 384K
- = 6 * 64K
- = 6 B-Channels
- = 1 H.320 Primary call and 5 Secondary calls

呼叫流示例

此部分描述该的呼叫流从此配置示例的结果。

1. 从PSTN的一次ISDN呼叫到达在有919-991-5600的H.320网关作为被叫号码，载体功能(承载容量)设置为在B-channel=1间的 **不受限制数字**。
2. H.320网关执行流入的拨号对等体搜索。因为承载容量设置对不受限制数字，第一搜索H.320 POTS拨号对端(拨号对端配置信息类型设置为**视频**)并且匹配拨号对端9190。第一个呼叫呼叫主要的呼叫。
3. H.320网关执行流出拨号对等体搜索并且路由在拨号对端9910间的呼叫。
4. H.320网关发送Admission Request (ARQ)到网守并且收到接纳确认(ACF)消息。
5. H.320网关传送H.225设置信息对Polycom。
6. H.320网关接收H.225 CONNECT信息从Polycom，并且视频呼叫在IP段得到连接。
7. H.320网关发送CONNECT信息的ISDN对PSTN，并且主要的呼叫得到连接
8. H.320网关发送H.221在POTS段间的初始功能。
9. H.221帧同步在B-channel=1 (亦称最初的信道或主要的呼叫)间设立。
10. 在帧同步设立后， Polycom相继地发起5附属呼叫。帧同步在B信道2到6间设立(亦称另外的信道或第二呼叫)。
11. H.320网关连结范围的流入附属呼叫919-991-5601到919-991-5605与主要的呼叫(步骤2)用命令**voice class called number入站1**，如配置所显示，定义。
12. H.320网关和Polycom交换音频和视频功能并且建立逻辑信道(OLCs)在IP段和POTS段间的音频和视频流的。

容量规划

在将视频流量置于网络中之前，请确保所有必要的应用程序均具有足够的带宽。首先，请计算每个主要的应用的最小带宽需求(例如，语音、视频和数据)。其总和表示所有特定链路的最低带宽要求。此数量占该链路总可用带宽的比例不得超过 75%。这一 75% 的规则假设开销流量需要某些带宽。开销流量示例包括路由协议更新和第 2 层 Keepalive 以及其他应用程序，例如电子邮件和 HTTP 数据流。安排语音和视频流量占用不大于链路产能的33百分比

H.323 视频

根据 H.323 标准，H.323 终端中的视频功能为可选功能。但是当您使用 H.323 终端时，该终端必须支持 H.261 编解码器，并且可以选择支持 H.263 标准。

- H.261 - 用于视听服务的视频编解码器，其速率为 64 kbps 的倍数。与 H.261 兼容的设备可对初始帧进行完全编码。设备在随后仅对最小数据包传输的初始帧和随后帧之间的差异进行编码。可选运动补偿可提高图像质量。
- H.263 - 用于视频普通老式电话服务 (POTS) 的视频编解码器。H.263 标准是 H.261 标准经过向后兼容更新得到的标准。H.263 通过半像素运动估计技术显著提高了图像质量，这是必要条件。

验证

使用本部分可确认配置能否正常运行。

[命令输出解释程序 \(仅限注册用户 \)](#) (OIT) 支持某些 **show** 命令。使用 OIT 可查看对 **show** 命令输

出的分析。

- **show voice call summary**

```
PORT CODEC VAD VTSP STATE VPM STATE
=====
2/1:23.1 h320p n S_CONNECT S_TSP_CONNECT
2/1:23.2 h320s - S_CONNECT S_TSP_CONNECT
2/1:23.3 h320s - S_CONNECT S_TSP_CONNECT
2/1:23.4 h320s - S_CONNECT S_TSP_CONNECT
2/1:23.5 h320s - S_CONNECT S_TSP_CONNECT
2/1:23.6 h320s - S_CONNECT S_TSP_CONNEC
```

h320p --> H.320 Primary Call; h320s --> H.320 Secondary Call

- **show call active** 视频摘要在此输出中，视频呼叫的Rx/tx计数器为主要的呼叫仅报告和没有为附属呼叫报告。

```
PORT CODEC VAD VTSP STATE VPM STATE
=====
2/1:23.1 h320p n S_CONNECT S_TSP_CONNECT
2/1:23.2 h320s - S_CONNECT S_TSP_CONNECT
2/1:23.3 h320s - S_CONNECT S_TSP_CONNECT
2/1:23.4 h320s - S_CONNECT S_TSP_CONNECT
2/1:23.5 h320s - S_CONNECT S_TSP_CONNECT
2/1:23.6 h320s - S_CONNECT S_TSP_CONNEC
```

h320p --> H.320 Primary Call; h320s --> H.320 Secondary Call

- **show call active** 视频POTS段—主要的呼叫

```
PORT CODEC VAD VTSP STATE VPM STATE
=====
2/1:23.1 h320p n S_CONNECT S_TSP_CONNECT
2/1:23.2 h320s - S_CONNECT S_TSP_CONNECT
2/1:23.3 h320s - S_CONNECT S_TSP_CONNECT
2/1:23.4 h320s - S_CONNECT S_TSP_CONNECT
2/1:23.5 h320s - S_CONNECT S_TSP_CONNECT
2/1:23.6 h320s - S_CONNECT S_TSP_CONNEC
```

h320p --> H.320 Primary Call; h320s --> H.320 Secondary Call

POTS段—附属呼叫

```
PORT CODEC VAD VTSP STATE VPM STATE
=====
2/1:23.1 h320p n S_CONNECT S_TSP_CONNECT
2/1:23.2 h320s - S_CONNECT S_TSP_CONNECT
2/1:23.3 h320s - S_CONNECT S_TSP_CONNECT
2/1:23.4 h320s - S_CONNECT S_TSP_CONNECT
2/1:23.5 h320s - S_CONNECT S_TSP_CONNECT
2/1:23.6 h320s - S_CONNECT S_TSP_CONNEC
```

h320p --> H.320 Primary Call; h320s --> H.320 Secondary Call

IP段

```
PORT CODEC VAD VTSP STATE VPM STATE
=====
2/1:23.1 h320p n S_CONNECT S_TSP_CONNECT
2/1:23.2 h320s - S_CONNECT S_TSP_CONNECT
2/1:23.3 h320s - S_CONNECT S_TSP_CONNECT
2/1:23.4 h320s - S_CONNECT S_TSP_CONNECT
2/1:23.5 h320s - S_CONNECT S_TSP_CONNECT
2/1:23.6 h320s - S_CONNECT S_TSP_CONNEC
```

h320p --> H.320 Primary Call; h320s --> H.320 Secondary Call

- **show voip rtp connections**

```
PORT CODEC VAD VTSP STATE VPM STATE
=====
```

```
2/1:23.1 h320p n S_CONNECT S_TSP_CONNECT
2/1:23.2 h320s - S_CONNECT S_TSP_CONNECT
2/1:23.3 h320s - S_CONNECT S_TSP_CONNECT
2/1:23.4 h320s - S_CONNECT S_TSP_CONNECT
2/1:23.5 h320s - S_CONNECT S_TSP_CONNECT
2/1:23.6 h320s - S_CONNECT S_TSP_CONNEC
```

h320p --> H.320 Primary Call; h320s --> H.320 Secondary Call

故障排除

本部分提供的信息可用于对配置进行故障排除。

debug 命令

- debug h225 asn1
- debug h225 q931
- debug h245 asn1
- debug isdn q931
- 调试voip h221 inout
- debug voip ccapi inout

注意：使用 debug 命令之前，请参阅[有关 Debug 命令的重要信息](#)。

调试输出

此部分为此示例呼叫流提供debug输出：

1. [流入设置用被叫号码= 9199915600和Bearer-Cap设置为不受限制数字](#)
2. [呼入拨号对端9190匹配](#)
3. [呼出拨号对端9910匹配](#)
4. [H.320网关发送ARQ请求到网守](#)
5. [H.320网关收到从网守的ACF答复](#)
6. [H.320网关传送H.225设置信息对Polycom](#)
7. [呼叫在IP段得到连接](#)
8. [H.320网关发送在ISDN旁拉连接，并且呼叫得到连接](#)
9. [H.320网关发送最初的功能集](#)
10. [帧同步在B信道1间设立](#)
11. [H.320网关收到第一附属呼叫](#)
12. [第一附属呼叫得到连接](#)
13. [帧同步在B信道2间设立](#)
14. [H.320网关收到第二附属呼叫](#)
15. [第二附属呼叫得到连接](#)
16. [H.320网关从视频端点的接收BAS命令PSTN的](#)
17. [帧同步在B信道3间设立](#)
18. [H.320网关收到第三附属呼叫](#)
19. [第三附属呼叫得到连接](#)
20. [帧同步在B信道4间设立](#)
21. [H.320网关收到第四附属呼叫](#)
22. [第四附属呼叫得到连接](#)

23. [帧同步在B信道4间设立](#)
24. [H.320网关收到第五附属呼叫](#)
25. [第五附属呼叫得到连接](#)
26. [帧同步在B信道6间设立](#)
27. [H.320网关接收从PSTN的视频端点设置的功能](#)
28. [H.320网关发送设置的功能到PSTN的视频端点](#)
29. [H.320网关通过TCS通知音频\(G711ulaw\)和视频\(H.263\)功能对在IP段间的Polycom](#)
30. [H.320网关发送MSD请求对Polycom](#)
31. [H.320网关接收Polycom的音频\(G.722、G.728、G.711\)和视频\(H.263\)功能集](#)
32. [H.320网关发送TCS ACK对Polycom](#)
33. [H.320网关收到从Polycom的MSD请求](#)
34. [H.320网关发送MSD ACK对Polycom](#)
35. [H.320网关接收从Polycom的TCS ACK](#)
36. [H.320网关接收从Polycom的MSD ACK](#)
37. [H.320网关接收音频OLC \(G.711\)从Polycom](#)
38. [在POTS段间的H.320网关组流出的Audio Mode](#)
39. [H.320网关发送音频OLC ACK对Polycom](#)
40. [H.320网关接收视频OLC \(H.263\)从Polycom](#)
41. [H.263视频流的RTP有效载荷类型从Polycom到H.320网关设置到96](#)
42. [在POTS段间的H.320网关组流出的视频模式](#)
43. [H.320网关发送视频OLC ACK对Polycom](#)
44. [H.320网关发送音频指示有效控制和信息信号到PSTN的远程视频端点](#)
45. [PSTN的视频端点设置转发速率和Audio Mode](#)
46. [H.320网关发送音频OLC \(G.711\)对Polycom](#)
47. [H.320网关接收从Polycom的音频OLC ACK](#)
48. [PSTN的视频端点设置视频模式](#)
49. [H.320网关接收音频指示有效控制和信息信号从远程视频端点PSTN的](#)
50. [H.320网关发送视频OLC \(H.263\)对Polycom](#)
51. [H.263视频流的RTP有效载荷类型从H.320网关到Polycom设置到110](#)
52. [H.320网关接收从Polycom的视频OLC ACK](#)
53. [从Polycom的H.320网关接收视频快速更新\(VFU\)图片请求](#)
54. [H.320网关发送视频快速更新图片控制和信息信号对视频端点PSTN的](#)
55. [H.320网关接收从Polycom的流量控制控制命令](#)
56. [H.320网关发送流量控制控制命令到PSTN的视频端点](#)
57. [H.320网关发送流量控制控制命令对Polycom](#)
58. [H.320网关接收从视频端点的流量控制控制命令PSTN的](#)
59. [H.320网关发送流量控制控制命令对Polycom](#)
60. [PSTN的视频端点断开视频呼叫](#)
61. [H.320网关清除在IP段的呼叫](#)
62. [H.320网关发送DRQ到网守](#)

[流入设置用被叫号码= 9199915600和Bearer-Cap设置为不受限制数字](#)

这是H.320主要的呼叫。

```
PORT CODEC VAD VTSP STATE VPM STATE
=====
```

```
2/1:23.1 h320p n S_CONNECT S_TSP_CONNECT
2/1:23.2 h320s - S_CONNECT S_TSP_CONNECT
2/1:23.3 h320s - S_CONNECT S_TSP_CONNECT
2/1:23.4 h320s - S_CONNECT S_TSP_CONNECT
2/1:23.5 h320s - S_CONNECT S_TSP_CONNECT
2/1:23.6 h320s - S_CONNECT S_TSP_CONNEC
```

h320p --> H.320 Primary Call; h320s --> H.320 Secondary Call

呼入拨号对端9190匹配

```
PORT CODEC VAD VTSP STATE VPM STATE
=====
2/1:23.1 h320p n S_CONNECT S_TSP_CONNECT
2/1:23.2 h320s - S_CONNECT S_TSP_CONNECT
2/1:23.3 h320s - S_CONNECT S_TSP_CONNECT
2/1:23.4 h320s - S_CONNECT S_TSP_CONNECT
2/1:23.5 h320s - S_CONNECT S_TSP_CONNECT
2/1:23.6 h320s - S_CONNECT S_TSP_CONNEC
```

h320p --> H.320 Primary Call; h320s --> H.320 Secondary Call

呼出拨号对端9910匹配

```
PORT CODEC VAD VTSP STATE VPM STATE
=====
2/1:23.1 h320p n S_CONNECT S_TSP_CONNECT
2/1:23.2 h320s - S_CONNECT S_TSP_CONNECT
2/1:23.3 h320s - S_CONNECT S_TSP_CONNECT
2/1:23.4 h320s - S_CONNECT S_TSP_CONNECT
2/1:23.5 h320s - S_CONNECT S_TSP_CONNECT
2/1:23.6 h320s - S_CONNECT S_TSP_CONNEC
```

h320p --> H.320 Primary Call; h320s --> H.320 Secondary Call

H.320网关发送ARQ请求到网守

```
PORT CODEC VAD VTSP STATE VPM STATE
=====
2/1:23.1 h320p n S_CONNECT S_TSP_CONNECT
2/1:23.2 h320s - S_CONNECT S_TSP_CONNECT
2/1:23.3 h320s - S_CONNECT S_TSP_CONNECT
2/1:23.4 h320s - S_CONNECT S_TSP_CONNECT
2/1:23.5 h320s - S_CONNECT S_TSP_CONNECT
2/1:23.6 h320s - S_CONNECT S_TSP_CONNEC
```

h320p --> H.320 Primary Call; h320s --> H.320 Secondary Call

H.320网关收到从网守的ACF答复

```
PORT CODEC VAD VTSP STATE VPM STATE
=====
2/1:23.1 h320p n S_CONNECT S_TSP_CONNECT
2/1:23.2 h320s - S_CONNECT S_TSP_CONNECT
2/1:23.3 h320s - S_CONNECT S_TSP_CONNECT
2/1:23.4 h320s - S_CONNECT S_TSP_CONNECT
2/1:23.5 h320s - S_CONNECT S_TSP_CONNECT
2/1:23.6 h320s - S_CONNECT S_TSP_CONNEC
```


h320p --> H.320 Primary Call; h320s --> H.320 Secondary Call

[H.320网关传送H.225设置信息对Polycom](#)

```
PORT CODEC VAD VTSP STATE VPM STATE
=====
2/1:23.1 h320p n S_CONNECT S_TSP_CONNECT
2/1:23.2 h320s - S_CONNECT S_TSP_CONNECT
2/1:23.3 h320s - S_CONNECT S_TSP_CONNECT
2/1:23.4 h320s - S_CONNECT S_TSP_CONNECT
2/1:23.5 h320s - S_CONNECT S_TSP_CONNECT
2/1:23.6 h320s - S_CONNECT S_TSP_CONNECT
```

h320p --> H.320 Primary Call; h320s --> H.320 Secondary Call

[呼叫在IP段得到连接](#)

```
PORT CODEC VAD VTSP STATE VPM STATE
=====
2/1:23.1 h320p n S_CONNECT S_TSP_CONNECT
2/1:23.2 h320s - S_CONNECT S_TSP_CONNECT
2/1:23.3 h320s - S_CONNECT S_TSP_CONNECT
2/1:23.4 h320s - S_CONNECT S_TSP_CONNECT
2/1:23.5 h320s - S_CONNECT S_TSP_CONNECT
2/1:23.6 h320s - S_CONNECT S_TSP_CONNECT
```

h320p --> H.320 Primary Call; h320s --> H.320 Secondary Call

[H.320网关发送在ISDN旁拉连接，并且呼叫得到连接](#)

这是主要的呼叫。

```
PORT CODEC VAD VTSP STATE VPM STATE
=====
2/1:23.1 h320p n S_CONNECT S_TSP_CONNECT
2/1:23.2 h320s - S_CONNECT S_TSP_CONNECT
2/1:23.3 h320s - S_CONNECT S_TSP_CONNECT
2/1:23.4 h320s - S_CONNECT S_TSP_CONNECT
2/1:23.5 h320s - S_CONNECT S_TSP_CONNECT
2/1:23.6 h320s - S_CONNECT S_TSP_CONNECT
```

h320p --> H.320 Primary Call; h320s --> H.320 Secondary Call

[H.320网关发送最初的功能集](#)

```
PORT CODEC VAD VTSP STATE VPM STATE
=====
2/1:23.1 h320p n S_CONNECT S_TSP_CONNECT
2/1:23.2 h320s - S_CONNECT S_TSP_CONNECT
2/1:23.3 h320s - S_CONNECT S_TSP_CONNECT
2/1:23.4 h320s - S_CONNECT S_TSP_CONNECT
2/1:23.5 h320s - S_CONNECT S_TSP_CONNECT
2/1:23.6 h320s - S_CONNECT S_TSP_CONNECT
```

h320p --> H.320 Primary Call; h320s --> H.320 Secondary Call

[帧同步在B信道1间设立](#)

```
PORT CODEC VAD VTSP STATE VPM STATE
=====
2/1:23.1 h320p n S_CONNECT S_TSP_CONNECT
2/1:23.2 h320s - S_CONNECT S_TSP_CONNECT
2/1:23.3 h320s - S_CONNECT S_TSP_CONNECT
2/1:23.4 h320s - S_CONNECT S_TSP_CONNECT
2/1:23.5 h320s - S_CONNECT S_TSP_CONNECT
2/1:23.6 h320s - S_CONNECT S_TSP_CONNECT
```

h320p --> H.320 Primary Call; h320s --> H.320 Secondary Call

[H.320网关收到第一附属呼叫](#)

```
PORT CODEC VAD VTSP STATE VPM STATE
=====
2/1:23.1 h320p n S_CONNECT S_TSP_CONNECT
2/1:23.2 h320s - S_CONNECT S_TSP_CONNECT
2/1:23.3 h320s - S_CONNECT S_TSP_CONNECT
2/1:23.4 h320s - S_CONNECT S_TSP_CONNECT
2/1:23.5 h320s - S_CONNECT S_TSP_CONNECT
2/1:23.6 h320s - S_CONNECT S_TSP_CONNECT
```

h320p --> H.320 Primary Call; h320s --> H.320 Secondary Call

[第一附属呼叫得到连接](#)

```
PORT CODEC VAD VTSP STATE VPM STATE
=====
2/1:23.1 h320p n S_CONNECT S_TSP_CONNECT
2/1:23.2 h320s - S_CONNECT S_TSP_CONNECT
2/1:23.3 h320s - S_CONNECT S_TSP_CONNECT
2/1:23.4 h320s - S_CONNECT S_TSP_CONNECT
2/1:23.5 h320s - S_CONNECT S_TSP_CONNECT
2/1:23.6 h320s - S_CONNECT S_TSP_CONNECT
```

h320p --> H.320 Primary Call; h320s --> H.320 Secondary Call

[帧同步在B信道2间设立](#)

```
PORT CODEC VAD VTSP STATE VPM STATE
=====
2/1:23.1 h320p n S_CONNECT S_TSP_CONNECT
2/1:23.2 h320s - S_CONNECT S_TSP_CONNECT
2/1:23.3 h320s - S_CONNECT S_TSP_CONNECT
2/1:23.4 h320s - S_CONNECT S_TSP_CONNECT
2/1:23.5 h320s - S_CONNECT S_TSP_CONNECT
2/1:23.6 h320s - S_CONNECT S_TSP_CONNECT
```

h320p --> H.320 Primary Call; h320s --> H.320 Secondary Call

[H.320网关收到第二附属呼叫](#)

```
PORT CODEC VAD VTSP STATE VPM STATE
=====
2/1:23.1 h320p n S_CONNECT S_TSP_CONNECT
2/1:23.2 h320s - S_CONNECT S_TSP_CONNECT
2/1:23.3 h320s - S_CONNECT S_TSP_CONNECT
2/1:23.4 h320s - S_CONNECT S_TSP_CONNECT
2/1:23.5 h320s - S_CONNECT S_TSP_CONNECT
```

2/1:23.6 h320s - S_CONNECT S_TSP_CONNEC

h320p --> H.320 Primary Call; h320s --> H.320 Secondary Call

第二附属呼叫得到连接

```
PORT CODEC VAD VTSP STATE VPM STATE
=====
2/1:23.1 h320p n S_CONNECT S_TSP_CONNECT
2/1:23.2 h320s - S_CONNECT S_TSP_CONNECT
2/1:23.3 h320s - S_CONNECT S_TSP_CONNECT
2/1:23.4 h320s - S_CONNECT S_TSP_CONNECT
2/1:23.5 h320s - S_CONNECT S_TSP_CONNECT
2/1:23.6 h320s - S_CONNECT S_TSP_CONNEC
```

h320p --> H.320 Primary Call; h320s --> H.320 Secondary Call

H.320网关从视频端点的接收BAS命令PSTN的

H.320网关接收从视频端点的BAS命令PSTN的，表明能接受H.263功能。

```
PORT CODEC VAD VTSP STATE VPM STATE
=====
2/1:23.1 h320p n S_CONNECT S_TSP_CONNECT
2/1:23.2 h320s - S_CONNECT S_TSP_CONNECT
2/1:23.3 h320s - S_CONNECT S_TSP_CONNECT
2/1:23.4 h320s - S_CONNECT S_TSP_CONNECT
2/1:23.5 h320s - S_CONNECT S_TSP_CONNECT
2/1:23.6 h320s - S_CONNECT S_TSP_CONNEC
```

h320p --> H.320 Primary Call; h320s --> H.320 Secondary Call

帧同步在B信道3间设立

```
PORT CODEC VAD VTSP STATE VPM STATE
=====
2/1:23.1 h320p n S_CONNECT S_TSP_CONNECT
2/1:23.2 h320s - S_CONNECT S_TSP_CONNECT
2/1:23.3 h320s - S_CONNECT S_TSP_CONNECT
2/1:23.4 h320s - S_CONNECT S_TSP_CONNECT
2/1:23.5 h320s - S_CONNECT S_TSP_CONNECT
2/1:23.6 h320s - S_CONNECT S_TSP_CONNEC
```

h320p --> H.320 Primary Call; h320s --> H.320 Secondary Call

H.320网关收到第三附属呼叫

```
PORT CODEC VAD VTSP STATE VPM STATE
=====
2/1:23.1 h320p n S_CONNECT S_TSP_CONNECT
2/1:23.2 h320s - S_CONNECT S_TSP_CONNECT
2/1:23.3 h320s - S_CONNECT S_TSP_CONNECT
2/1:23.4 h320s - S_CONNECT S_TSP_CONNECT
2/1:23.5 h320s - S_CONNECT S_TSP_CONNECT
2/1:23.6 h320s - S_CONNECT S_TSP_CONNEC
```

h320p --> H.320 Primary Call; h320s --> H.320 Secondary Call

第三附属呼叫得到连接

```
PORT CODEC VAD VTSP STATE VPM STATE
=====
2/1:23.1 h320p n S_CONNECT S_TSP_CONNECT
2/1:23.2 h320s - S_CONNECT S_TSP_CONNECT
2/1:23.3 h320s - S_CONNECT S_TSP_CONNECT
2/1:23.4 h320s - S_CONNECT S_TSP_CONNECT
2/1:23.5 h320s - S_CONNECT S_TSP_CONNECT
2/1:23.6 h320s - S_CONNECT S_TSP_CONNEC
```

h320p --> H.320 Primary Call; h320s --> H.320 Secondary Call

[帧同步在B信道4间设立](#)

```
PORT CODEC VAD VTSP STATE VPM STATE
=====
2/1:23.1 h320p n S_CONNECT S_TSP_CONNECT
2/1:23.2 h320s - S_CONNECT S_TSP_CONNECT
2/1:23.3 h320s - S_CONNECT S_TSP_CONNECT
2/1:23.4 h320s - S_CONNECT S_TSP_CONNECT
2/1:23.5 h320s - S_CONNECT S_TSP_CONNECT
2/1:23.6 h320s - S_CONNECT S_TSP_CONNEC
```

h320p --> H.320 Primary Call; h320s --> H.320 Secondary Call

[H.320网关收到第四附属呼叫](#)

```
PORT CODEC VAD VTSP STATE VPM STATE
=====
2/1:23.1 h320p n S_CONNECT S_TSP_CONNECT
2/1:23.2 h320s - S_CONNECT S_TSP_CONNECT
2/1:23.3 h320s - S_CONNECT S_TSP_CONNECT
2/1:23.4 h320s - S_CONNECT S_TSP_CONNECT
2/1:23.5 h320s - S_CONNECT S_TSP_CONNECT
2/1:23.6 h320s - S_CONNECT S_TSP_CONNEC
```

h320p --> H.320 Primary Call; h320s --> H.320 Secondary Call

[第四附属呼叫得到连接](#)

```
PORT CODEC VAD VTSP STATE VPM STATE
=====
2/1:23.1 h320p n S_CONNECT S_TSP_CONNECT
2/1:23.2 h320s - S_CONNECT S_TSP_CONNECT
2/1:23.3 h320s - S_CONNECT S_TSP_CONNECT
2/1:23.4 h320s - S_CONNECT S_TSP_CONNECT
2/1:23.5 h320s - S_CONNECT S_TSP_CONNECT
2/1:23.6 h320s - S_CONNECT S_TSP_CONNEC
```

h320p --> H.320 Primary Call; h320s --> H.320 Secondary Call

[帧同步在B信道4间设立](#)

```
PORT CODEC VAD VTSP STATE VPM STATE
=====
2/1:23.1 h320p n S_CONNECT S_TSP_CONNECT
2/1:23.2 h320s - S_CONNECT S_TSP_CONNECT
2/1:23.3 h320s - S_CONNECT S_TSP_CONNECT
2/1:23.4 h320s - S_CONNECT S_TSP_CONNECT
```

2/1:23.5 h320s - S_CONNECT S_TSP_CONNECT
2/1:23.6 h320s - S_CONNECT S_TSP_CONNEC

h320p --> H.320 Primary Call; h320s --> H.320 Secondary Call

[H.320网关收到第五附属呼叫](#)

```
PORT CODEC VAD VTSP STATE VPM STATE
=====
2/1:23.1 h320p n S_CONNECT S_TSP_CONNECT
2/1:23.2 h320s - S_CONNECT S_TSP_CONNECT
2/1:23.3 h320s - S_CONNECT S_TSP_CONNECT
2/1:23.4 h320s - S_CONNECT S_TSP_CONNECT
2/1:23.5 h320s - S_CONNECT S_TSP_CONNECT
2/1:23.6 h320s - S_CONNECT S_TSP_CONNEC
```

h320p --> H.320 Primary Call; h320s --> H.320 Secondary Call

[第五附属呼叫得到连接](#)

```
PORT CODEC VAD VTSP STATE VPM STATE
=====
2/1:23.1 h320p n S_CONNECT S_TSP_CONNECT
2/1:23.2 h320s - S_CONNECT S_TSP_CONNECT
2/1:23.3 h320s - S_CONNECT S_TSP_CONNECT
2/1:23.4 h320s - S_CONNECT S_TSP_CONNECT
2/1:23.5 h320s - S_CONNECT S_TSP_CONNECT
2/1:23.6 h320s - S_CONNECT S_TSP_CONNEC
```

h320p --> H.320 Primary Call; h320s --> H.320 Secondary Call

[帧同步在B信道6间设立](#)

```
PORT CODEC VAD VTSP STATE VPM STATE
=====
2/1:23.1 h320p n S_CONNECT S_TSP_CONNECT
2/1:23.2 h320s - S_CONNECT S_TSP_CONNECT
2/1:23.3 h320s - S_CONNECT S_TSP_CONNECT
2/1:23.4 h320s - S_CONNECT S_TSP_CONNECT
2/1:23.5 h320s - S_CONNECT S_TSP_CONNECT
2/1:23.6 h320s - S_CONNECT S_TSP_CONNEC
```

h320p --> H.320 Primary Call; h320s --> H.320 Secondary Call

[H.320网关接收从PSTN的视频端点设置的功能](#)

功能集指定最低的图片间隔(MPI)，长宽比、音频编解码器、视频编解码器和视频端点支持B信道的数量。

```
PORT CODEC VAD VTSP STATE VPM STATE
=====
2/1:23.1 h320p n S_CONNECT S_TSP_CONNECT
2/1:23.2 h320s - S_CONNECT S_TSP_CONNECT
2/1:23.3 h320s - S_CONNECT S_TSP_CONNECT
2/1:23.4 h320s - S_CONNECT S_TSP_CONNECT
2/1:23.5 h320s - S_CONNECT S_TSP_CONNECT
2/1:23.6 h320s - S_CONNECT S_TSP_CONNEC
```

h320p --> H.320 Primary Call; h320s --> H.320 Secondary Call

[H.320网关发送设置的功能到PSTN的视频端点](#)

```
PORT CODEC VAD VTSP STATE VPM STATE
=====
2/1:23.1 h320p n S_CONNECT S_TSP_CONNECT
2/1:23.2 h320s - S_CONNECT S_TSP_CONNECT
2/1:23.3 h320s - S_CONNECT S_TSP_CONNECT
2/1:23.4 h320s - S_CONNECT S_TSP_CONNECT
2/1:23.5 h320s - S_CONNECT S_TSP_CONNECT
2/1:23.6 h320s - S_CONNECT S_TSP_CONNECT
```

h320p --> H.320 Primary Call; h320s --> H.320 Secondary Call

[H.320网关通过TCS通知音频\(G711ulaw\)和视频\(H.263\)功能对在IP段间的Polycom](#)

```
PORT CODEC VAD VTSP STATE VPM STATE
=====
2/1:23.1 h320p n S_CONNECT S_TSP_CONNECT
2/1:23.2 h320s - S_CONNECT S_TSP_CONNECT
2/1:23.3 h320s - S_CONNECT S_TSP_CONNECT
2/1:23.4 h320s - S_CONNECT S_TSP_CONNECT
2/1:23.5 h320s - S_CONNECT S_TSP_CONNECT
2/1:23.6 h320s - S_CONNECT S_TSP_CONNECT
```

h320p --> H.320 Primary Call; h320s --> H.320 Secondary Call

[H.320网关发送MSD请求对Polycom](#)

```
PORT CODEC VAD VTSP STATE VPM STATE
=====
2/1:23.1 h320p n S_CONNECT S_TSP_CONNECT
2/1:23.2 h320s - S_CONNECT S_TSP_CONNECT
2/1:23.3 h320s - S_CONNECT S_TSP_CONNECT
2/1:23.4 h320s - S_CONNECT S_TSP_CONNECT
2/1:23.5 h320s - S_CONNECT S_TSP_CONNECT
2/1:23.6 h320s - S_CONNECT S_TSP_CONNECT
```

h320p --> H.320 Primary Call; h320s --> H.320 Secondary Call

[H.320网关接收Polycom的音频\(G.722, G.728, G.711\)和视频\(H.263\)功能集](#)

```
PORT CODEC VAD VTSP STATE VPM STATE
=====
2/1:23.1 h320p n S_CONNECT S_TSP_CONNECT
2/1:23.2 h320s - S_CONNECT S_TSP_CONNECT
2/1:23.3 h320s - S_CONNECT S_TSP_CONNECT
2/1:23.4 h320s - S_CONNECT S_TSP_CONNECT
2/1:23.5 h320s - S_CONNECT S_TSP_CONNECT
2/1:23.6 h320s - S_CONNECT S_TSP_CONNECT
```

h320p --> H.320 Primary Call; h320s --> H.320 Secondary Call

[H.320网关发送TCS ACK对Polycom](#)

```
PORT CODEC VAD VTSP STATE VPM STATE
=====
2/1:23.1 h320p n S_CONNECT S_TSP_CONNECT
```

2/1:23.2 h320s - S_CONNECT S_TSP_CONNECT
2/1:23.3 h320s - S_CONNECT S_TSP_CONNECT
2/1:23.4 h320s - S_CONNECT S_TSP_CONNECT
2/1:23.5 h320s - S_CONNECT S_TSP_CONNECT
2/1:23.6 h320s - S_CONNECT S_TSP_CONNECT

h320p --> H.320 Primary Call; h320s --> H.320 Secondary Call

[H.320网关收到从Polycom的MSD请求](#)

PORT CODEC VAD VTSP STATE VPM STATE
=====

2/1:23.1 h320p n S_CONNECT S_TSP_CONNECT
2/1:23.2 h320s - S_CONNECT S_TSP_CONNECT
2/1:23.3 h320s - S_CONNECT S_TSP_CONNECT
2/1:23.4 h320s - S_CONNECT S_TSP_CONNECT
2/1:23.5 h320s - S_CONNECT S_TSP_CONNECT
2/1:23.6 h320s - S_CONNECT S_TSP_CONNECT

h320p --> H.320 Primary Call; h320s --> H.320 Secondary Call

[H.320网关发送MSD ACK对Polycom](#)

PORT CODEC VAD VTSP STATE VPM STATE
=====

2/1:23.1 h320p n S_CONNECT S_TSP_CONNECT
2/1:23.2 h320s - S_CONNECT S_TSP_CONNECT
2/1:23.3 h320s - S_CONNECT S_TSP_CONNECT
2/1:23.4 h320s - S_CONNECT S_TSP_CONNECT
2/1:23.5 h320s - S_CONNECT S_TSP_CONNECT
2/1:23.6 h320s - S_CONNECT S_TSP_CONNECT

h320p --> H.320 Primary Call; h320s --> H.320 Secondary Call

[H.320网关接收从Polycom的TCS ACK](#)

PORT CODEC VAD VTSP STATE VPM STATE
=====

2/1:23.1 h320p n S_CONNECT S_TSP_CONNECT
2/1:23.2 h320s - S_CONNECT S_TSP_CONNECT
2/1:23.3 h320s - S_CONNECT S_TSP_CONNECT
2/1:23.4 h320s - S_CONNECT S_TSP_CONNECT
2/1:23.5 h320s - S_CONNECT S_TSP_CONNECT
2/1:23.6 h320s - S_CONNECT S_TSP_CONNECT

h320p --> H.320 Primary Call; h320s --> H.320 Secondary Call

[H.320网关接收从Polycom的MSD ACK](#)

PORT CODEC VAD VTSP STATE VPM STATE
=====

2/1:23.1 h320p n S_CONNECT S_TSP_CONNECT
2/1:23.2 h320s - S_CONNECT S_TSP_CONNECT
2/1:23.3 h320s - S_CONNECT S_TSP_CONNECT
2/1:23.4 h320s - S_CONNECT S_TSP_CONNECT
2/1:23.5 h320s - S_CONNECT S_TSP_CONNECT
2/1:23.6 h320s - S_CONNECT S_TSP_CONNECT

h320p --> H.320 Primary Call; h320s --> H.320 Secondary Call

[H.320网关接收音频OLC \(G.711\)从Polycom](#)

Polycom的RTCP IP地址：音频流的端口是14.50.5.52:49195。

```
PORT CODEC VAD VTSP STATE VPM STATE
=====
2/1:23.1 h320p n S_CONNECT S_TSP_CONNECT
2/1:23.2 h320s - S_CONNECT S_TSP_CONNECT
2/1:23.3 h320s - S_CONNECT S_TSP_CONNECT
2/1:23.4 h320s - S_CONNECT S_TSP_CONNECT
2/1:23.5 h320s - S_CONNECT S_TSP_CONNECT
2/1:23.6 h320s - S_CONNECT S_TSP_CONNEC
```

h320p --> H.320 Primary Call; h320s --> H.320 Secondary Call

[在POTS段间的H.320网关组流出的Audio Mode](#)

```
PORT CODEC VAD VTSP STATE VPM STATE
=====
2/1:23.1 h320p n S_CONNECT S_TSP_CONNECT
2/1:23.2 h320s - S_CONNECT S_TSP_CONNECT
2/1:23.3 h320s - S_CONNECT S_TSP_CONNECT
2/1:23.4 h320s - S_CONNECT S_TSP_CONNECT
2/1:23.5 h320s - S_CONNECT S_TSP_CONNECT
2/1:23.6 h320s - S_CONNECT S_TSP_CONNEC
```

h320p --> H.320 Primary Call; h320s --> H.320 Secondary Call

[H.320网关发送音频OLC ACK对Polycom](#)

H.320网关的RTP和RTCP IP地址：音频流的端口是14.1.16.220:18718和14.1.16.220:18719。

```
PORT CODEC VAD VTSP STATE VPM STATE
=====
2/1:23.1 h320p n S_CONNECT S_TSP_CONNECT
2/1:23.2 h320s - S_CONNECT S_TSP_CONNECT
2/1:23.3 h320s - S_CONNECT S_TSP_CONNECT
2/1:23.4 h320s - S_CONNECT S_TSP_CONNECT
2/1:23.5 h320s - S_CONNECT S_TSP_CONNECT
2/1:23.6 h320s - S_CONNECT S_TSP_CONNEC
```

h320p --> H.320 Primary Call; h320s --> H.320 Secondary Call

[H.320网关接收视频OLC \(H.263\)从Polycom](#)

Polycom的RTCP IP地址：视频流的端口是14.50.5.52:49197。

[H.263视频流的RTP有效载荷类型从Polycom到H.320网关设置到96](#)

```
PORT CODEC VAD VTSP STATE VPM STATE
=====
2/1:23.1 h320p n S_CONNECT S_TSP_CONNECT
2/1:23.2 h320s - S_CONNECT S_TSP_CONNECT
2/1:23.3 h320s - S_CONNECT S_TSP_CONNECT
2/1:23.4 h320s - S_CONNECT S_TSP_CONNECT
2/1:23.5 h320s - S_CONNECT S_TSP_CONNECT
```


2/1:23.6 h320s - S_CONNECT S_TSP_CONNEC

h320p --> H.320 Primary Call; h320s --> H.320 Secondary Call
[在POTS段间的H.320网关组流出的视频模式](#)

```
PORT CODEC VAD VTSP STATE VPM STATE
=====
2/1:23.1 h320p n S_CONNECT S_TSP_CONNECT
2/1:23.2 h320s - S_CONNECT S_TSP_CONNECT
2/1:23.3 h320s - S_CONNECT S_TSP_CONNECT
2/1:23.4 h320s - S_CONNECT S_TSP_CONNECT
2/1:23.5 h320s - S_CONNECT S_TSP_CONNECT
2/1:23.6 h320s - S_CONNECT S_TSP_CONNEC
```

h320p --> H.320 Primary Call; h320s --> H.320 Secondary Call
[H.320网关发送视频OLC ACK对Polycom](#)

H.320网关的RTP和RTCP IP地址：视频流的端口是14.1.16.220:18078和14.1.16.220:18079。

```
PORT CODEC VAD VTSP STATE VPM STATE
=====
2/1:23.1 h320p n S_CONNECT S_TSP_CONNECT
2/1:23.2 h320s - S_CONNECT S_TSP_CONNECT
2/1:23.3 h320s - S_CONNECT S_TSP_CONNECT
2/1:23.4 h320s - S_CONNECT S_TSP_CONNECT
2/1:23.5 h320s - S_CONNECT S_TSP_CONNECT
2/1:23.6 h320s - S_CONNECT S_TSP_CONNEC
```

h320p --> H.320 Primary Call; h320s --> H.320 Secondary Call
[H.320网关发送音频指示有效控制和信息信号到PSTN的远程视频端点](#)

H.320 gateway发送音频指示有效控制和信息信号到PSTN的远程视频端点为了启动音频信道。

```
PORT CODEC VAD VTSP STATE VPM STATE
=====
2/1:23.1 h320p n S_CONNECT S_TSP_CONNECT
2/1:23.2 h320s - S_CONNECT S_TSP_CONNECT
2/1:23.3 h320s - S_CONNECT S_TSP_CONNECT
2/1:23.4 h320s - S_CONNECT S_TSP_CONNECT
2/1:23.5 h320s - S_CONNECT S_TSP_CONNECT
2/1:23.6 h320s - S_CONNECT S_TSP_CONNEC
```

h320p --> H.320 Primary Call; h320s --> H.320 Secondary Call
[PSTN的视频端点设置转发速率和Audio Mode](#)

```
PORT CODEC VAD VTSP STATE VPM STATE
=====
2/1:23.1 h320p n S_CONNECT S_TSP_CONNECT
2/1:23.2 h320s - S_CONNECT S_TSP_CONNECT
2/1:23.3 h320s - S_CONNECT S_TSP_CONNECT
2/1:23.4 h320s - S_CONNECT S_TSP_CONNECT
2/1:23.5 h320s - S_CONNECT S_TSP_CONNECT
2/1:23.6 h320s - S_CONNECT S_TSP_CONNEC
```

h320p --> H.320 Primary Call; h320s --> H.320 Secondary Call

[H.320网关发送音频OLC \(G.711\)对Polycom](#)

H.320网关的RTCP IP地址：音频流的端口是14.1.16.220:18719。

```
PORT CODEC VAD VTSP STATE VPM STATE
=====
2/1:23.1 h320p n S_CONNECT S_TSP_CONNECT
2/1:23.2 h320s - S_CONNECT S_TSP_CONNECT
2/1:23.3 h320s - S_CONNECT S_TSP_CONNECT
2/1:23.4 h320s - S_CONNECT S_TSP_CONNECT
2/1:23.5 h320s - S_CONNECT S_TSP_CONNECT
2/1:23.6 h320s - S_CONNECT S_TSP_CONNEC
```

h320p --> H.320 Primary Call; h320s --> H.320 Secondary Call

[H.320网关接收从Polycom的音频OLC ACK](#)

Polycom的RTP和RTCP IP地址：音频流的端口是14.50.5.52:49194和14.50.5.52:49195。

```
PORT CODEC VAD VTSP STATE VPM STATE
=====
2/1:23.1 h320p n S_CONNECT S_TSP_CONNECT
2/1:23.2 h320s - S_CONNECT S_TSP_CONNECT
2/1:23.3 h320s - S_CONNECT S_TSP_CONNECT
2/1:23.4 h320s - S_CONNECT S_TSP_CONNECT
2/1:23.5 h320s - S_CONNECT S_TSP_CONNECT
2/1:23.6 h320s - S_CONNECT S_TSP_CONNEC
```

h320p --> H.320 Primary Call; h320s --> H.320 Secondary Call

[PSTN的视频端点设置视频模式](#)

```
PORT CODEC VAD VTSP STATE VPM STATE
=====
2/1:23.1 h320p n S_CONNECT S_TSP_CONNECT
2/1:23.2 h320s - S_CONNECT S_TSP_CONNECT
2/1:23.3 h320s - S_CONNECT S_TSP_CONNECT
2/1:23.4 h320s - S_CONNECT S_TSP_CONNECT
2/1:23.5 h320s - S_CONNECT S_TSP_CONNECT
2/1:23.6 h320s - S_CONNECT S_TSP_CONNEC
```

h320p --> H.320 Primary Call; h320s --> H.320 Secondary Call

[H.320网关接收音频指示有效控制和信息信号从远程视频端点PSTN的](#)

H.320网关接收音频指示有效控制和信息信号从远程视频端点PSTN的为了启动音频信道。

```
PORT CODEC VAD VTSP STATE VPM STATE
=====
2/1:23.1 h320p n S_CONNECT S_TSP_CONNECT
2/1:23.2 h320s - S_CONNECT S_TSP_CONNECT
2/1:23.3 h320s - S_CONNECT S_TSP_CONNECT
2/1:23.4 h320s - S_CONNECT S_TSP_CONNECT
2/1:23.5 h320s - S_CONNECT S_TSP_CONNECT
2/1:23.6 h320s - S_CONNECT S_TSP_CONNEC
```

h320p --> H.320 Primary Call; h320s --> H.320 Secondary Call

[H.320网关发送视频OLC \(H.263\)对Polycom](#)

H.320网关的RTCP IP地址：视频流的端口是14.1.16.220:18079。

[H.263视频流的RTP有效载荷类型从H.320网关到Polycom设置到110](#)

```
PORT CODEC VAD VTSP STATE VPM STATE
=====
2/1:23.1 h320p n S_CONNECT S_TSP_CONNECT
2/1:23.2 h320s - S_CONNECT S_TSP_CONNECT
2/1:23.3 h320s - S_CONNECT S_TSP_CONNECT
2/1:23.4 h320s - S_CONNECT S_TSP_CONNECT
2/1:23.5 h320s - S_CONNECT S_TSP_CONNECT
2/1:23.6 h320s - S_CONNECT S_TSP_CONNECT
```

h320p --> H.320 Primary Call; h320s --> H.320 Secondary Call

[H.320网关接收从Polycom的视频OLC ACK](#)

Polycom的RTP和RTCP IP地址：视频流的端口是14.50.5.52:49196和14.50.5.52:49197。

```
PORT CODEC VAD VTSP STATE VPM STATE
=====
2/1:23.1 h320p n S_CONNECT S_TSP_CONNECT
2/1:23.2 h320s - S_CONNECT S_TSP_CONNECT
2/1:23.3 h320s - S_CONNECT S_TSP_CONNECT
2/1:23.4 h320s - S_CONNECT S_TSP_CONNECT
2/1:23.5 h320s - S_CONNECT S_TSP_CONNECT
2/1:23.6 h320s - S_CONNECT S_TSP_CONNECT
```

h320p --> H.320 Primary Call; h320s --> H.320 Secondary Call

[从Polycom的H.320网关接收视频快速更新\(VFU\)图片请求](#)

在此输出中，H.320网关收到从Polycom的一VFU图片请求，表明准备接收视频流。

```
PORT CODEC VAD VTSP STATE VPM STATE
=====
2/1:23.1 h320p n S_CONNECT S_TSP_CONNECT
2/1:23.2 h320s - S_CONNECT S_TSP_CONNECT
2/1:23.3 h320s - S_CONNECT S_TSP_CONNECT
2/1:23.4 h320s - S_CONNECT S_TSP_CONNECT
2/1:23.5 h320s - S_CONNECT S_TSP_CONNECT
2/1:23.6 h320s - S_CONNECT S_TSP_CONNECT
```

h320p --> H.320 Primary Call; h320s --> H.320 Secondary Call

[H.320网关发送视频快速更新图片控制和信息信号对视频端点PSTN的](#)

```
PORT CODEC VAD VTSP STATE VPM STATE
=====
2/1:23.1 h320p n S_CONNECT S_TSP_CONNECT
2/1:23.2 h320s - S_CONNECT S_TSP_CONNECT
2/1:23.3 h320s - S_CONNECT S_TSP_CONNECT
```

2/1:23.4 h320s - S_CONNECT S_TSP_CONNECT
2/1:23.5 h320s - S_CONNECT S_TSP_CONNECT
2/1:23.6 h320s - S_CONNECT S_TSP_CONNEC

h320p --> H.320 Primary Call; h320s --> H.320 Secondary Call

[H.320网关接收从Polycom的流量控制控制命令](#)

```
PORT CODEC VAD VTSP STATE VPM STATE
=====
2/1:23.1 h320p n S_CONNECT S_TSP_CONNECT
2/1:23.2 h320s - S_CONNECT S_TSP_CONNECT
2/1:23.3 h320s - S_CONNECT S_TSP_CONNECT
2/1:23.4 h320s - S_CONNECT S_TSP_CONNECT
2/1:23.5 h320s - S_CONNECT S_TSP_CONNECT
2/1:23.6 h320s - S_CONNECT S_TSP_CONNEC
```

h320p --> H.320 Primary Call; h320s --> H.320 Secondary Call

[H.320网关发送流量控制控制命令到PSTN的视频端点](#)

```
PORT CODEC VAD VTSP STATE VPM STATE
=====
2/1:23.1 h320p n S_CONNECT S_TSP_CONNECT
2/1:23.2 h320s - S_CONNECT S_TSP_CONNECT
2/1:23.3 h320s - S_CONNECT S_TSP_CONNECT
2/1:23.4 h320s - S_CONNECT S_TSP_CONNECT
2/1:23.5 h320s - S_CONNECT S_TSP_CONNECT
2/1:23.6 h320s - S_CONNECT S_TSP_CONNEC
```

h320p --> H.320 Primary Call; h320s --> H.320 Secondary Call

[H.320网关发送流量控制控制命令对Polycom](#)

[H.320网关接收从视频端点的流量控制控制命令PSTN的](#)

```
PORT CODEC VAD VTSP STATE VPM STATE
=====
2/1:23.1 h320p n S_CONNECT S_TSP_CONNECT
2/1:23.2 h320s - S_CONNECT S_TSP_CONNECT
2/1:23.3 h320s - S_CONNECT S_TSP_CONNECT
2/1:23.4 h320s - S_CONNECT S_TSP_CONNECT
2/1:23.5 h320s - S_CONNECT S_TSP_CONNECT
2/1:23.6 h320s - S_CONNECT S_TSP_CONNEC
```

h320p --> H.320 Primary Call; h320s --> H.320 Secondary Call

[H.320网关发送流量控制控制命令对Polycom](#)

```
PORT CODEC VAD VTSP STATE VPM STATE
=====
2/1:23.1 h320p n S_CONNECT S_TSP_CONNECT
2/1:23.2 h320s - S_CONNECT S_TSP_CONNECT
2/1:23.3 h320s - S_CONNECT S_TSP_CONNECT
2/1:23.4 h320s - S_CONNECT S_TSP_CONNECT
2/1:23.5 h320s - S_CONNECT S_TSP_CONNECT
2/1:23.6 h320s - S_CONNECT S_TSP_CONNEC
```

h320p --> H.320 Primary Call; h320s --> H.320 Secondary Call

[PSTN的视频端点断开视频呼叫](#)

```
PORT CODEC VAD VTSP STATE VPM STATE
=====
2/1:23.1 h320p n S_CONNECT S_TSP_CONNECT
2/1:23.2 h320s - S_CONNECT S_TSP_CONNECT
2/1:23.3 h320s - S_CONNECT S_TSP_CONNECT
2/1:23.4 h320s - S_CONNECT S_TSP_CONNECT
2/1:23.5 h320s - S_CONNECT S_TSP_CONNECT
2/1:23.6 h320s - S_CONNECT S_TSP_CONNECT
```

h320p --> H.320 Primary Call; h320s --> H.320 Secondary Call

[H.320网关清除在IP段的呼叫](#)

```
PORT CODEC VAD VTSP STATE VPM STATE
=====
2/1:23.1 h320p n S_CONNECT S_TSP_CONNECT
2/1:23.2 h320s - S_CONNECT S_TSP_CONNECT
2/1:23.3 h320s - S_CONNECT S_TSP_CONNECT
2/1:23.4 h320s - S_CONNECT S_TSP_CONNECT
2/1:23.5 h320s - S_CONNECT S_TSP_CONNECT
2/1:23.6 h320s - S_CONNECT S_TSP_CONNECT
```

h320p --> H.320 Primary Call; h320s --> H.320 Secondary Call

[H.320网关发送DRQ到网守](#)

```
PORT CODEC VAD VTSP STATE VPM STATE
=====
2/1:23.1 h320p n S_CONNECT S_TSP_CONNECT
2/1:23.2 h320s - S_CONNECT S_TSP_CONNECT
2/1:23.3 h320s - S_CONNECT S_TSP_CONNECT
2/1:23.4 h320s - S_CONNECT S_TSP_CONNECT
2/1:23.5 h320s - S_CONNECT S_TSP_CONNECT
2/1:23.6 h320s - S_CONNECT S_TSP_CONNECT
```

h320p --> H.320 Primary Call; h320s --> H.320 Secondary Call

[相关信息](#)

- [Cisco IP 电话故障排除](#)
- [基本的两区域Cisco网关到网守配置](#)
- [Call Admission Control for H.323 VoIP Gateways \(H.323 VoIP 网关的呼叫接纳控制 \)](#)
- [带有网守的 VoIP](#)
- [技术支持和文档 - Cisco Systems](#)