

# Configuring H.323-H.323 Video

On this page:

- [Configuring Basic H.323-H.323 Video Call](#)
- [Viewing Basic H.323-H.323 Video Call Configuration](#)

Below is an example of how to configure a basic H.323-H.323 Video Call using CLI commands.

## Configuring Basic H.323-H.323 Video Call

### Configure Address Context and IP Interface Group

```
% set addressContext default ipInterfaceGroup LIF1 ipInterface pkt_a_v4v6 ceName AUDI portName pkt0
ipAddress 10.20.30.40 prefix 24 altIpAddress fd00:10:6b50:4200::99 altPrefix 60
% set addressContext default ipInterfaceGroup LIF1 ipInterface pkt_a_v4v6 mode inService state enabled
% commit

% set addressContext default ipInterfaceGroup LIF2 ipInterface pkt_b_v4v6 ceName AUDI portName pkt1
ipAddress 10.20.30.40 prefix 24 altIpAddress fd00:10:6b50:4210::99 altPrefix 60
% set addressContext default ipInterfaceGroup LIF2 ipInterface pkt_b_v4v6 mode inService state enabled
% commit
```

### Configure Zone and H.323 Signaling Port

```
% set addressContext default zone ZONE1 id 3 h323SigPort 1001 ipInterfaceGroupName LIF1 h245IpAddress
10.20.30.40 h225IpAddress 10.20.30.40 portNumber 1720 mode inService state enabled
% commit

% set addressContext default zone ZONE2 id 4 h323SigPort 1002 ipInterfaceGroupName LIF2 h245IpAddress
10.20.30.41 h225IpAddress 10.20.30.41 portNumber 1720 mode inService state enabled
% commit
```

### Configure Static Route

```
% set addressContext default staticRoute 10.160.101.30 32 10.54.32.1 LIF1 pkt_a_v4v6 preference 100
% commit

% set addressContext default staticRoute 10.160.102.40 32 10.54.33.1 LIF2 pkt_b_v4v6 preference 100
% commit
```

### Configure H.323 Trunk Group

```

% set addressContext default zone ZONE1 h323TrunkGroup PCR7166_SBX_INT mode inService state enabled
media mediaIpInterfaceGroupName LIF1
% set addressContext default zone ZONE1 h323TrunkGroup PCR7166_SBX_INT media slowStart passthru
% set addressContext default zone ZONE1 h323TrunkGroup PCR7166_SBX_INT ingressIpPrefix 10.0.0.0 8
% commit

% set addressContext default zone ZONE2 h323TrunkGroup PCR7166_SBX_EXT mode inService state enabled
media mediaIpInterfaceGroupName LIF2
% set addressContext default zone ZONE2 h323TrunkGroup PCR7166_SBX_EXT media slowStart passthru
% set addressContext default zone ZONE2 h323TrunkGroup PCR7166_SBX_EXT ingressIpPrefix 10.0.0.0 8
% commit

```

## Configure IP Peer

```

% set addressContext default zone ZONE1 ipPeer PCR7166_ERE_PEER_EP1V4 ipAddress 10.11.12.13 ipPort 1720
% commit

% set addressContext default zone ZONE2 ipPeer PCR7166_ERE_PEER_EP2V4 ipAddress 10.11.12.14 ipPort 1720
% commit

```

## Configure Call Routing

### Routing Label

```

% set global callRouting routingLabel PCR7166_SBX_RL_EP1 routingLabelRoute 1 trunkGroup PCR7166_SBX_INT
ipPeer PCR7166_ERE_PEER_EP1V4 inService inService
% commit

% set global callRouting routingLabel PCR7166_SBX_RL_EP2 routingLabelRoute 1 trunkGroup PCR7166_SBX_EXT
ipPeer PCR7166_ERE_PEER_EP2V4 inService inService
% commit

```

### Standard Route

```

% set global callRouting route trunkGroup PCR7166_SBX_INT AUDI standard SONUS_NULL 1 all all ALL none
Sonus_NULL routingLabel PCR7166_SBX_RL_EP2
% commit

% set global callRouting route trunkGroup PCR7166_SBX_EXT AUDI standard SONUS_NULL 1 all all ALL none
Sonus_NULL routingLabel PCR7166_SBX_RL_EP1
% commit

```

## Configure Codec Entries

```

% set profiles media codecEntry G711u codec g711 law ULaw
% commit

```

## Configure Packet Service Profile

```
% set profiles media packetServiceProfile PCR7166_SBX_EP1_PSP codec codecEntry1 G711u
% set profiles media packetServiceProfile PCR7166_SBX_EP2_PSP codec codecEntry1 G711u
% commit
```

## Configure IP Signaling Profile

```
% set profiles signaling ipSignalingProfile PCR7166_SBX_EP1 ipProtocolType h323
% commit

% set profiles signaling ipSignalingProfile PCR7166_SBX_EP2 ipProtocolType h323
% commit
```

## Assign PSP and IPSP to the H.323 Trunk Group

```
% set addressContext default zone ZONE1 h323TrunkGroup PCR7166_SBX_INT policy media
packetServiceProfile PCR7166_SBX_EP1_PSP
% set addressContext default zone ZONE1 h323TrunkGroup PCR7166_SBX_INT policy signaling
ipSignalingProfile PCR7166_SBX_EP1
% set addressContext default zone ZONE2 h323TrunkGroup PCR7166_SBX_EXT policy media
packetServiceProfile PCR7166_SBX_EP2_PSP
% set addressContext default zone ZONE2 h323TrunkGroup PCR7166_SBX_EXT policy signaling
ipSignalingProfile PCR7166_SBX_EP2
% commit
```

## Allocate Video Bandwidth for H323-H323 Video Call

```
% set profiles media packetServiceProfile PCR7166_SBX_EP1_PSP videoCalls maxVideoBandwidth 200
% set profiles media packetServiceProfile PCR7166_SBX_EP2_PSP videoCalls maxVideoBandwidth 200
% commit
```

## Viewing Basic H.323-H.323 Video Call Configuration

### Show Call Media Status

```

admin@SBC01> show status global callMediaStatus
callMediaStatus 786432 {
  mediaStreamsInCall          audio,video;
  ingressMacHeader             00-00-1D-CE-03-3D;
  egressMacHeader              00-00-1D-CE-03-3D;
  ingressBearerType            voice;
  egressBearerType             voice;
  ingressCfgAudioType          G711S;
  egressCfgAudioType           G711S;
  ingressActAudioType          g711ulaw;
  egressActAudioType           g711ulaw;
  ingressPacketsSent           800;
  ingressPacketsReceived       800;
  ingressOctetsSent            161600;
  ingressOctetsReceived        137904;
  ingressPacketsLost           0;
  ingressPacketsDiscarded      0;
  ingressInterarrivalJitter    122;
  ingressPacketLatency         0;
  ingressRemPacketsLost        0;
  ingressRFactorInbound        93;
  ingressRFactorOutbound       93;
  egressPacketsSent            800;
  egressPacketsReceived        800;
  egressOctetsSent             161600;
  egressOctetsReceived         137828;
  egressPacketsLost            0;
  egressPacketsDiscarded       0;
  egressInterarrivalJitter     111;
  egressPacketLatency          0;
  egressRemPacketsLost         0;
  egressRFactorInbound         0;
  egressRFactorOutbound        0;
  mediaStream2Index            2;
  mediaStream2Label            video;
  mediaStream2Codec            H261;
  ingressMediaStream2PacketsSent 238;
  ingressMediaStream2PacketsReceived 238;
  ingressMediaStream2OctetsSent 194313;
  ingressMediaStream2OctetsReceived 187401;
  ingressMediaStream2PacketsLost 0;
  ingressMediaStream2PacketsDiscarded 0;
  ingressMediaStream2PacketLatency 0;
  ingressMediaStream2InterarrivalJitter 8064;
  egressMediaStream2PacketsSent 238;
  egressMediaStream2PacketsReceived 238;
  egressMediaStream2OctetsSent 194313;
  egressMediaStream2OctetsReceived 187553;
  egressMediaStream2PacketsLost 0;
  egressMediaStream2PacketsDiscarded 0;
  egressMediaStream2PacketLatency 0;
  egressMediaStream2InterarrivalJitter 7978;
}

```

## Show Call Detail Status

```

admin@SBC01> show status global callDetailStatus
callDetailStatus 786432 {
  mediaStreams          audio,video;
  state                 Stable;
  callingNumber         72345;
  calledNumber          99988;
  addressTransPerformed none;
  origCalledNum         "";
  scenarioType          H323_TO_H323;
  callDuration          11;
  mediaType             passthru;
  associatedGcid1        786432;
  associatedGcid2        786432;
  associatedGcidLegId1   0;
  associatedGcidLegId2   1;
  ingressLocalIpSockAddr 10.10.101.30;
  ingressRemoteIpSockAddr 10.10.102.30;
  egressLocalIpSockAddr 10.10.101.30;
  egressRemoteIpSockAddr 10.10.102.40;
  ingressSecurity        257;
  egressSecurity         257;
  ingressMediaStream2LocalIpSockAddr "10.10.101.30/ 1028";
  ingressMediaStream2RemoteIpSockAddr "10.10.102.30/ 60102";
  egressMediaStream2LocalIpSockAddr "10.10.101.30/ 1030";
  egressMediaStream2RemoteIpSockAddr "10.10.102.40/ 60106";
  ingressMediaStream2Security 257;
  egressMediaStream2Security 257;
  ingressMediaStream2Bandwidth 180;
  egressMediaStream2Bandwidth 180;
  ingressLocalPort       1024;
  ingressRemotePort      60100;
  egressLocalPort        1026;
  egressRemotePort       60104;
  ingressVideoLocalPort  0;
  ingressVideoRemotePort 0;
  egressVideoLocalPort   0;
  egressVideoRemotePort  0;
}

```