Configuration Guide for Google CCAI Call Recording Using Ribbon Swe Core SBC V11.01.01R005

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1 Audience

This document is intended for the SIP Trunk customer's technical staff and Value-Added Reseller (VAR) having installation and operational responsibilities.

1.1 Introduction

This configuration guide describes configuration steps for **Google CCAI Call Recording** using **Ribbon Swe Core SBC V11.01.01R005**

1.1.1 TekVizion Labs

TekVizion Labs™ is an independent testing and verification facility offered by TekVizion, Inc. TekVizion Labs offers several types of testing services including:

- Remote Testing – provides secure, remote access to certain products in TekVizion Labs for pre-Verification and ad hoc testing.
- Verification Testing – Verification of interoperability performed on-site at TekVizion Labs between two products or in a multi-vendor configuration.
- Product Assessment – independent assessment and verification of product functionality, interface usability, assessment of differentiating features as well as suggestions for added functionality, stress, and performance testing, etc.

TekVizion is a systems integrator specifically dedicated to the telecommunications industry. Our core services include consulting/solution design, interoperability/Verification testing, integration, custom software development and solution support services. Our services help service providers achieve a smooth transition to packet-voice networks, speeding delivery of integrated services. While we have expertise covering a wide range of technologies, we have extensive experience surrounding our practice areas which include SIP Trunking, Packet Voice, Service Delivery, and Integrated Services.

The TekVizion team brings together experience from the leading service providers and vendors in telecom. Our unique expertise includes legacy switching services and platforms, and unparalleled product knowledge, interoperability, and integration experience on a vast array of VoIP and other next-generation products. We rely on this combined experience to do what we do best: help our clients advance the rollout of services that excite customers and result in new revenues for the bottom line. TekVizion leverages this real-world, multi-vendor integration and test experience and proven processes to offer services to vendors, network operators, enhanced service providers, large enterprises and other professional services firms. TekVizion's headquarters, along with a state-of-the-art test lab and Executive Briefing Center, is located in Plano, Texas.

For more information on TekVizion and its practice areas, please visit [TekVizion Labs website](#).

2 SIP Trunking Network Components

The network for the SIP Trunk reference configuration is illustrated below and is representative of Google CCAI Call Recording with Ribbon Swe Core SBC V11.01.01R005 configuration.
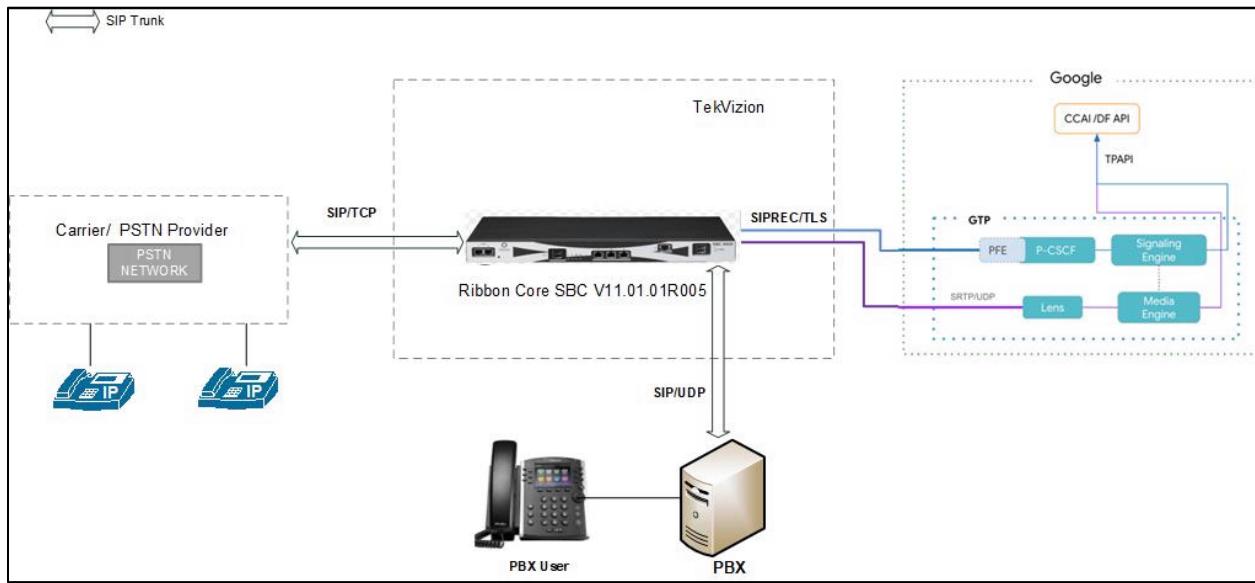
Figure 1: SIP Trunk Lab Reference Network

The lab network consists of the following components.

- Google CCAI Cloud Environment
- Ribbon Swe Core SBC V11.01.01R005
- OnPrem PBX

3 Hardware Components

- Ribbon Swe Core SBC

4 Software Requirements

Ribbon Swe Core SBC v11.01.01 R005

5 Features

5.1 Features tested for Google CCAI Call Recording

- Basic Inbound calls
- Call Hold and Resume
- Call Transfer
- Conference

5.2 Features Not tested for Google CCAI Call Recording

- None

5.3 New Features tests added for Google CCAI Call Recording

- Participation Label test
- Calls with a-law codec
    - Inbound/Outbound
    - Call Hold & resume
    - Call transfer (Consultative & blind)
    - Conference
- Region based Testing

5.4 Caveats and Limitations

DTLS	DTLS towards Google CCAI is not tested

5.5   Failed Testcase

- TCP Keep-alive

6 Configuration

6.1 Configuration Checklist

Below are the steps that are required to configure Ribbon SBC.

Table 1 – Oracle E-SBC Configuration Steps

Step	Description	Reference
Step 1	Login to Ribbon SBC	Section 6.4.1
Step 2	Interface Group	Section 6.4.2
Step 3	Zone	Section 6.4.3
Step 4	SIP Signaling Port	Section 6.4.4
Step 5	SIP Trunk Group	Section 6.4.5
Step 6	IP Peer	Section 6.4.6
Step 7	Path Check profile	Section 6.4.7
Step 8	Signaling Profile	Section 6.4.8
Step 9	Codec	Section 6.4.9
Step 10	Packet Service Profile	Section 6.4.10
Step 11	Routing Label	Section 6.4.11
Step 12	Route	Section 6.4.12
Step 13	SIP Message Manipulation	Section 6.4.13
Step 14	SIP Message Manipulation (Participation Label)	Section 6.4.14
Step 15	SRS Group profile	Section 6.4.15
Step 16	SRS Group Cluster	Section 6.4.16
Step 17	Call Recording criteria	Section 6.4.17
Step 18	SIPREC using TLS as Transport	Section 6.4.18

6.2 IP Address Worksheet

The specific values listed in the table below and in subsequent sections are used in the lab configuration described in this document are for **illustrative purposes only**.

Table 3 – IP Address Worksheet

Component	IP Address
Google CCAI	
Signaling	us.telephony.goog
Media	74.125.X.X
OnPrem PBX	
LAN IP Address	10.80.11.246
Ribbon Swe Core SBC	
LAN IP Address	10.80.11.173
WAN IP Address	192.65.X.X

6.3 Google CCAI API Configuration

Below link can be referred to configure Google CCAI API configuration for Call recording.

 ---------Link to be provided by Google team------------

6.4 Ribbon SBC Configuration

The following is the example configuration of Ribbon SBC for Google CCAI Call Recording.

6.4.1 Login to Ribbon SBC

- Log into Ribbon Core SBC in putty SSH through its Management IP Address
- Enter the **admin** Username and Password
- To enter configuration mode, enter **configure.**
- Configuration is performed in Sonus SBC using the commands listed in the various sections below,

```
admin@ribboncore> swinfo -v
=========================================================
SERVER:           ribboncore
OS:               V11.01.01-R000
EMA:              V11.01.01-R005
SBC:              V11.01.01-R005
SBC Type:         isbc
HA mode:          1to1
=========================================================
Installed host role:    active
Current   host role:    active
=========================================================
Build Workspace: jenkinsbuild.tx.sbx1111R0fix
Stream: //sbx/v11_01_01R0_fix
Change: 551055
CTP Change: 542583
Build Number: 64
Build Time: Tue Apr 23 12:17:48 CDT 2024
Build Host: bulldev2-tx
SBC Version: V11.01.01-R005
Required BMC  Version: v03.26.00-R000
Required BIOS Version: v2.7.0
Required OS   Version: 11.01.01-R000
Required Bluefin BMC  Version: v03.26.00-R000
Required Bluefin BIOS Version: v2.14.0
Required Yellowfin BMC  Version: v03.26.00-R000
Required Yellowfin BIOS Version: v1.18.0
=========================================================
```

Figure 2: Ribbon SBC Login

6.4.2 Interface Group

- Configure interface towards Google CCAI, OnPrem PBX and PSTN Gateway as shown below.

Ribbon WAN:

- The interface designated towards Google CCAI is named LIF2

set addressContext default ipInterfaceGroup LIF2 ipInterface PKT1_V4 ceName RIBBONCORE
set addressContext default ipInterfaceGroup LIF2 ipInterface PKT1_V4 portName pkt1
set addressContext default ipInterfaceGroup LIF2 ipInterface PKT1_V4 ipAddress 192.65.X.X
set addressContext default ipInterfaceGroup LIF2 ipInterface PKT1_V4 prefix 25
set addressContext default ipInterfaceGroup LIF2 ipInterface PKT1_V4 mode inService
set addressContext default ipInterfaceGroup LIF2 ipInterface PKT1_V4 state enabled commit
commit

Ribbon LAN:

- The interface designated towards PSTN Gateway and OnPrem PBX are named as LIF1

set addressContext default ipInterfaceGroup LIF1 ipInterface PKT0_V4 ceName RIBBONCORE
set addressContext default ipInterfaceGroup LIF1 ipInterface PKT0_V4 portName pkt0
set addressContext default ipInterfaceGroup LIF1 ipInterface PKT0_V4 ipAddress 10.80.11.173
set addressContext default ipInterfaceGroup LIF1 ipInterface PKT0_V4 prefix 24
set addressContext default ipInterfaceGroup LIF1 ipInterface PKT0_V4 mode inService
set addressContext default ipInterfaceGroup LIF1 ipInterface PKT0_V4 state enabled
commit

6.4.3 Zone

- Configure Zone towards Google CCAI, OnPrem PBX and PSTN Gateway as shown below.

Cisco CUCM PBX:
set addressContext default zone PBX_CCAI id 5
commit

PSTN Gateway:
set addressContext default zone PSTN id 4
commit

Google CCAI:
set addressContext default zone GOOGLE id 6
commit

6.4.4 SIP Signaling port

- Configure SIP Signaling port towards Google CCAI, OnPrem PBX and PSTN Gateway as shown below.
- The SIP Signaling port designated towards PBX and PSTN is named as **LIF1**

Cisco CUCM PBX:

```
set addressContext default zone PBX_CCAI sipSigPort 5 ipInterfaceGroupName LIF1
set addressContext default zone PBX_CCAI sipSigPort 5 ipAddressV4 10.80.11.173
set addressContext default zone PBX_CCAI sipSigPort 5 portNumber 5060
set addressContext default zone PBX_CCAI sipSigPort 5 mode inService
set addressContext default zone PBX_CCAI sipSigPort 5 state enabled
set addressContext default zone PBX_CCAI sipSigPort 5 transportProtocolsAllowed sip-tcp
commit
```

PSTN Gateway:

```
set addressContext default zone PSTN sipSigPort 2 ipInterfaceGroupName LIF1
set addressContext default zone PSTN sipSigPort 2 ipAddressV4 10.80.11.173
set addressContext default zone PSTN sipSigPort 2 portNumber 5064
set addressContext default zone PSTN sipSigPort 2 mode inService
set addressContext default zone PSTN sipSigPort 2 state enabled
set addressContext default zone PSTN sipSigPort 2 transportProtocolsAllowed sip-tcp
commit
```

Google CCAI:

- The SIP Signaling port designated towards PBX and PSTN is named as **LIF2**

```
set addressContext default zone GOOGLE sipSigPort 6 ipInterfaceGroupName LIF2
set addressContext default zone GOOGLE sipSigPort 6 ipAddressV4 192.65.79.223
set addressContext default zone GOOGLE sipSigPort 6 portNumber 5060
set addressContext default zone GOOGLE sipSigPort 6 mode inService
set addressContext default zone GOOGLE sipSigPort 6 state enabled
set addressContext default zone GOOGLE sipSigPort 6 siprec enabled
set addressContext default zone GOOGLE sipSigPort 6 tlsProfileName TLS_PROF
set addressContext default zone GOOGLE sipSigPort 6 transportProtocolsAllowed sip-tls-tcp
set addressContext default zone GOOGLE sipSigPort 6 tcpKeepaliveTime 100
set addressContext default zone GOOGLE sipSigPort 6 tcpKeepaliveInterval 60
set addressContext default zone GOOGLE sipSigPort 6 tcpKeepaliveProbes 2
commit
```

6.4.5 SIP Trunk Group

- Configure SIP Trunk group towards Google CCAI, Cisco CUCM PBX and PSTN Gateway as shown below.

Cisco CUCM PBX:

set addressContext default zone PBX_CCAI sipTrunkGroup PBX_TG state enabled
set addressContext default zone PBX_CCAI sipTrunkGroup PBX_TG mode inService
set addressContext default zone PBX_CCAI sipTrunkGroup PBX_TG policy carrier 0000
set addressContext default zone PBX_CCAI sipTrunkGroup PBX_TG policy country 1
set addressContext default zone PBX_CCAI sipTrunkGroup PBX_TG policy localizationVariant northAmerica
set addressContext default zone PBX_CCAI sipTrunkGroup PBX_TG policy tgIPVersionPreference both-ipv4-and-ipv6
set addressContext default zone PBX_CCAI sipTrunkGroup PBX_TG policy preferredIdentity disable
set addressContext default zone PBX_CCAI sipTrunkGroup PBX_TG policy digitParameterHandling numberingPlan NANP_ACCESS
set addressContext default zone PBX_CCAI sipTrunkGroup PBX_TG policy callRouting elementRoutingPriority DEFAULT_IP
set addressContext default zone PBX_CCAI sipTrunkGroup PBX_TG policy media packetServiceProfile CCAI_PSP
set addressContext default zone PBX_CCAI sipTrunkGroup PBX_TG policy services classOfService DEFAULT_IP
set addressContext default zone PBX_CCAI sipTrunkGroup PBX_TG policy signaling ipSignalingProfile PBX_IPSP
set addressContext default zone PBX_CCAI sipTrunkGroup PBX_TG policy featureControlProfile DEFAULT_IP
set addressContext default zone PBX_CCAI sipTrunkGroup PBX_TG policy ingress flags nonZeroVideoBandwidthBasedRoutingForSip enable
set addressContext default zone PBX_CCAI sipTrunkGroup PBX_TG policy ingress flags nonZeroVideoBandwidthBasedRoutingForH323 disable
set addressContext default zone PBX_CCAI sipTrunkGroup PBX_TG policy ingress flags hdPreferredRouting disable
set addressContext default zone PBX_CCAI sipTrunkGroup PBX_TG policy ingress flags hdSupportedRouting disable
set addressContext default zone PBX_CCAI sipTrunkGroup PBX_TG signaling timers sessionKeepalive 1800
set addressContext default zone PBX_CCAI sipTrunkGroup PBX_TG signaling transportPreference preference1 tcp

set addressContext default zone PBX_CCAI sipTrunkGroup PBX_TG media medialpInterfaceGroupName LIF1
set addressContext default zone PBX_CCAI sipTrunkGroup PBX_TG media recordable enabled
set addressContext default zone PBX_CCAI sipTrunkGroup PBX_TG media earlyMedia method pEarlyMedia
set addressContext default zone PBX_CCAI sipTrunkGroup PBX_TG media earlyMedia egressSupport disabled
set addressContext default zone PBX_CCAI sipTrunkGroup PBX_TG ingressIpPrefix 10.80.11.246 32
commit

PSTN Gateway:

set addressContext default zone PSTN sipTrunkGroup PSTN_TG state enabled
set addressContext default zone PSTN sipTrunkGroup PSTN_TG mode inService
set addressContext default zone PSTN sipTrunkGroup PSTN_TG policy carrier 0000
set addressContext default zone PSTN sipTrunkGroup PSTN_TG policy country 1
set addressContext default zone PSTN sipTrunkGroup PSTN_TG policy localizationVariant northAmerica
set addressContext default zone PSTN sipTrunkGroup PSTN_TG policy tgIPVersionPreference both-ipv4-and-ipv6
set addressContext default zone PSTN sipTrunkGroup PSTN_TG policy preferredIdentity disable
set addressContext default zone PSTN sipTrunkGroup PSTN_TG policy digitParameterHandling numberingPlan NANP_ACCESS
set addressContext default zone PSTN sipTrunkGroup PSTN_TG policy digitParameterHandling ingressDmPmRule Rule_Digit_to_Ext
set addressContext default zone PSTN sipTrunkGroup PSTN_TG policy callRouting elementRoutingPriority DEFAULT_IP
set addressContext default zone PSTN sipTrunkGroup PSTN_TG policy media packetServiceProfile DEFAULT
set addressContext default zone PSTN sipTrunkGroup PSTN_TG policy services classOfService DEFAULT_IP
set addressContext default zone PSTN sipTrunkGroup PSTN_TG policy signaling ipSignalingProfile PSTN_IPSP
set addressContext default zone PSTN sipTrunkGroup PSTN_TG policy featureControlProfile DEFAULT_IP
set addressContext default zone PSTN sipTrunkGroup PSTN_TG policy ingress flags nonZeroVideoBandwidthBasedRoutingForSip enable
set addressContext default zone PSTN sipTrunkGroup PSTN_TG policy ingress flags nonZeroVideoBandwidthBasedRoutingForH323 disable
set addressContext default zone PSTN sipTrunkGroup PSTN_TG policy ingress flags hdPreferredRouting disable

set addressContext default zone PSTN sipTrunkGroup PSTN_TG policy ingress flags hdSupportedRouting disable
set addressContext default zone PSTN sipTrunkGroup PSTN_TG signaling transportPreference preference1 tcp
set addressContext default zone PSTN sipTrunkGroup PSTN_TG media mediaIpInterfaceGroupName LIF1
set addressContext default zone PSTN sipTrunkGroup PSTN_TG ingressIpPrefix 10.64.1.72 32
commit

Google CCAI:

set addressContext default zone GOOGLE sipTrunkGroup GOOGLE_TG state enabled
set addressContext default zone GOOGLE sipTrunkGroup GOOGLE_TG mode inService
set addressContext default zone GOOGLE sipTrunkGroup GOOGLE_TG policy carrier 0000
set addressContext default zone GOOGLE sipTrunkGroup GOOGLE_TG policy country 1
set addressContext default zone GOOGLE sipTrunkGroup GOOGLE_TG policy localizationVariant northAmerica
set addressContext default zone GOOGLE sipTrunkGroup GOOGLE_TG policy tgIPVersionPreference both-ipv4-and-ipv6
set addressContext default zone GOOGLE sipTrunkGroup GOOGLE_TG policy preferredIdentity disable
set addressContext default zone GOOGLE sipTrunkGroup GOOGLE_TG policy digitParameterHandling numberingPlan NANP_ACCESS
set addressContext default zone GOOGLE sipTrunkGroup GOOGLE_TG policy callRouting elementRoutingPriority DEFAULT_IP
set addressContext default zone GOOGLE sipTrunkGroup GOOGLE_TG policy media packetServiceProfile GOOGLE_PSP
set addressContext default zone GOOGLE sipTrunkGroup GOOGLE_TG policy services classOfService DEFAULT_IP
set addressContext default zone GOOGLE sipTrunkGroup GOOGLE_TG policy signaling ipSignalingProfile GOOGLE_IPSP
set addressContext default zone GOOGLE sipTrunkGroup GOOGLE_TG policy featureControlProfile DEFAULT_IP
set addressContext default zone GOOGLE sipTrunkGroup GOOGLE_TG policy ingress flags nonZeroVideoBandwidthBasedRoutingForSip enable
set addressContext default zone GOOGLE sipTrunkGroup GOOGLE_TG policy ingress flags nonZeroVideoBandwidthBasedRoutingForH323 disable
set addressContext default zone GOOGLE sipTrunkGroup GOOGLE_TG policy ingress flags hdPreferredRouting disable
set addressContext default zone GOOGLE sipTrunkGroup GOOGLE_TG policy ingress flags hdSupportedRouting disable
set addressContext default zone GOOGLE sipTrunkGroup GOOGLE_TG signaling messageManipulation outputAdapterProfile GOOGLE_ADP
set addressContext default zone GOOGLE sipTrunkGroup GOOGLE_TG signaling timers sessionKeepalive 1800

set addressContext default zone GOOGLE sipTrunkGroup GOOGLE_TG signaling timers
nonNatKeepAliveTimer 60
set addressContext default zone GOOGLE sipTrunkGroup GOOGLE_TG signaling timers
sessionMinSE 90
set addressContext default zone GOOGLE sipTrunkGroup GOOGLE_TG signaling
transportPreference preference1 tls-tcp
set addressContext default zone GOOGLE sipTrunkGroup GOOGLE_TG services
natTraversal tcpKeepaliveTimer 240
set addressContext default zone GOOGLE sipTrunkGroup GOOGLE_TG media
medialpInterfaceGroupName LIF2
set addressContext default zone GOOGLE sipTrunkGroup GOOGLE_TG ingressIpPrefix
0.0.0.0 0
set addressContext default zone GOOGLE sipTrunkGroup GOOGLE_TG ingressIpPrefix
0.0.0.0 32
commit

6.4.6 IP Peer

- Configure IP Peer towards Google CCAI, OnPrem PBX and PSTN Gateway as shown
  below.

Cisco CUCM PBX:

set addressContext default zone PBX_CCAI ipPeer PBX_IPP ipAddress 10.80.11.246
set addressContext default zone PBX_CCAI ipPeer PBX_IPP ipPort 5060
set addressContext default zone PBX_CCAI ipPeer PBX_IPP defaultForIp true
set addressContext default zone PBX_CCAI ipPeer PBX_IPP policy description ""
set addressContext default zone PBX_CCAI ipPeer PBX_IPP policy sip fqdn ""
set addressContext default zone PBX_CCAI ipPeer PBX_IPP policy sip fqdnPort 0
set addressContext default zone PBX_CCAI ipPeer PBX_IPP policy packetServiceProfile
CCAI_PSP
set addressContext default zone PBX_CCAI ipPeer PBX_IPP pathCheck profile CCAI_PBX
set addressContext default zone PBX_CCAI ipPeer PBX_IPP pathCheck state enabled
set addressContext default zone PBX_CCAI ipPeer PBX_IPP pathCheck statusUpdateSupport
enabled
commit

PSTN Gateway:

set addressContext default zone PSTN ipPeer PSTN_IPP ipAddress 10.64.1.72
set addressContext default zone PSTN ipPeer PSTN_IPP ipPort 5060
set addressContext default zone PSTN ipPeer PSTN_IPP policy description "PSTN PEER"
set addressContext default zone PSTN ipPeer PSTN_IPP policy sip fqdn ""
set addressContext default zone PSTN ipPeer PSTN_IPP policy sip fqdnPort 0
set addressContext default zone PSTN ipPeer PSTN_IPP pathCheck profile PSTN

set addressContext default zone PSTN ipPeer PSTN_IPP pathCheck hostName ""
set addressContext default zone PSTN ipPeer PSTN_IPP pathCheck hostPort 5060
set addressContext default zone PSTN ipPeer PSTN_IPP pathCheck state enabled
set addressContext default zone PSTN ipPeer PSTN_IPP pathCheck statusUpdateSupport
enabled
commit

Google CCAI:

set addressContext default zone GOOGLE ipPeer GOOGLE defaultForIp true
set addressContext default zone GOOGLE ipPeer GOOGLE policy description ""
set addressContext default zone GOOGLE ipPeer GOOGLE policy sip fqdn
us.telephony.goog
set addressContext default zone GOOGLE ipPeer GOOGLE policy sip fqdnPort 5671
set addressContext default zone GOOGLE ipPeer GOOGLE policy packetServiceProfile
GOOGLE_PSP
set addressContext default zone GOOGLE ipPeer GOOGLE policy ipSignalingProfile
GOOGLE_IPSP
set addressContext default zone GOOGLE ipPeer GOOGLE pathCheck profile GOOGLE
set addressContext default zone GOOGLE ipPeer GOOGLE pathCheck hostName
us.telephony.goog
set addressContext default zone GOOGLE ipPeer GOOGLE pathCheck hostPort 5671
set addressContext default zone GOOGLE ipPeer GOOGLE pathCheck state enabled
commit

6.4.7 PathCheck Profile

- Configure PathCheck profile towards Google CCAI, OnPrem PBX and PSTN Gateway
  as shown below.

Cisco CUCM PBX:

set profiles services pathCheckProfile CCAI_PBX protocol sipOptions
set profiles services pathCheckProfile CCAI_PBX sendInterval 30
set profiles services pathCheckProfile CCAI_PBX replyTimeoutCount 1
set profiles services pathCheckProfile CCAI_PBX recoveryCount 1
set profiles services pathCheckProfile CCAI_PBX transportPreference preference1 tcp
commit

PSTN Gateway:

set profiles services pathCheckProfile PSTN protocol sipOptions
set profiles services pathCheckProfile PSTN sendInterval 30
set profiles services pathCheckProfile PSTN replyTimeoutCount 3
set profiles services pathCheckProfile PSTN recoveryCount 3

```
set profiles services pathCheckProfile PSTN transportPreference preference1 tcp
commit
```

Google CCAI:

```
set profiles services pathCheckProfile GOOGLE protocol sipOptions
set profiles services pathCheckProfile GOOGLE sendInterval 60
set profiles services pathCheckProfile GOOGLE replyTimeoutCount 1
set profiles services pathCheckProfile GOOGLE recoveryCount 1
set profiles services pathCheckProfile GOOGLE transportPreference preference1 tls-tcp
commit
```

6.4.8 Signaling Profile

- Configure Signaling profile towards Google CCAI, OnPrem PBX and PSTN Gateway as shown below.

Cisco CUCM PBX:

```
set profiles signaling ipSignalingProfile PBX_IPSP ipProtocolType sipOnly
set profiles signaling ipSignalingProfile PBX_IPSP commonIpAttributes flags
addPathServiceRoute disable
set profiles signaling ipSignalingProfile PBX_IPSP commonIpAttributes flags
addPChargingFuncAddr disable
set profiles signaling ipSignalingProfile PBX_IPSP commonIpAttributes flags
callHoldInterworking disable
set profiles signaling ipSignalingProfile PBX_IPSP commonIpAttributes flags
clearmodeForDataCalls disable
set profiles signaling ipSignalingProfile PBX_IPSP commonIpAttributes flags
createPChargingVector disable
set profiles signaling ipSignalingProfile PBX_IPSP commonIpAttributes flags createPathHeader
disable
set profiles signaling ipSignalingProfile PBX_IPSP commonIpAttributes flags
createServiceRouteHeader disable
set profiles signaling ipSignalingProfile PBX_IPSP commonIpAttributes flags
customizedSessionTimerBehavior enable
set profiles signaling ipSignalingProfile PBX_IPSP commonIpAttributes flags
disableAlsoHeader disable
set profiles signaling ipSignalingProfile PBX_IPSP commonIpAttributes flags
disableHostTranslation disable
set profiles signaling ipSignalingProfile PBX_IPSP commonIpAttributes flags
disableMediaLockDown disable
set profiles signaling ipSignalingProfile PBX_IPSP commonIpAttributes flags
disableReferToUriParameters disable
set profiles signaling ipSignalingProfile PBX_IPSP commonIpAttributes flags
discardReceivedReasonHeader disable
```

set profiles signaling ipSignalingProfile PBX_IPSP commonIpAttributes flags doNotIncludeSsAttributeInReInvite disable
set profiles signaling ipSignalingProfile PBX_IPSP commonIpAttributes flags enableDefaultPUIProcedures disable
set profiles signaling ipSignalingProfile PBX_IPSP commonIpAttributes flags enableDialStringHandling disable
set profiles signaling ipSignalingProfile PBX_IPSP commonIpAttributes flags endToEndBye disable
set profiles signaling ipSignalingProfile PBX_IPSP commonIpAttributes flags endToEndReInvite disable
set profiles signaling ipSignalingProfile PBX_IPSP commonIpAttributes flags endToEndUpdate disable
set profiles signaling ipSignalingProfile PBX_IPSP commonIpAttributes flags endToEndPrack disable
set profiles signaling ipSignalingProfile PBX_IPSP commonIpAttributes flags includeIpPortsInFromAndToHeaders disable
set profiles signaling ipSignalingProfile PBX_IPSP commonIpAttributes flags includeReasonHeader disable
set profiles signaling ipSignalingProfile PBX_IPSP commonIpAttributes flags includeSsAttributeInInitialInvite disable
set profiles signaling ipSignalingProfile PBX_IPSP commonIpAttributes flags includeTransportTypeInContactHeader enable
set profiles signaling ipSignalingProfile PBX_IPSP commonIpAttributes flags insertPeerAddressAsTopRouteHeader disable
set profiles signaling ipSignalingProfile PBX_IPSP commonIpAttributes flags mapCauseLocation disable
set profiles signaling ipSignalingProfile PBX_IPSP commonIpAttributes flags mapSuspendResumeEventInPSvcInfoHeader disable
set profiles signaling ipSignalingProfile PBX_IPSP commonIpAttributes flags mapUuiInPSigInfoHeader disable
set profiles signaling ipSignalingProfile PBX_IPSP commonIpAttributes flags mimeCausePrecedeReasonHeaderCause disable
set profiles signaling ipSignalingProfile PBX_IPSP commonIpAttributes flags minimizeRelayingOfMediaChangesFromOtherCallLegAll disable
set profiles signaling ipSignalingProfile PBX_IPSP commonIpAttributes flags noContentDisposition disable
set profiles signaling ipSignalingProfile PBX_IPSP commonIpAttributes flags noPortNumber5060 disable
set profiles signaling ipSignalingProfile PBX_IPSP commonIpAttributes flags noUserinfoInContactHeader disable
set profiles signaling ipSignalingProfile PBX_IPSP commonIpAttributes flags onlySelectedCodecInSessionRefresh disable
set profiles signaling ipSignalingProfile PBX_IPSP commonIpAttributes flags pCalledPartyIDSupport disable

set profiles signaling ipSignalingProfile PBX_IPSP commonIpAttributes flags pChgMsgInfo disable
set profiles signaling ipSignalingProfile PBX_IPSP commonIpAttributes flags publishIPInHoldSDP disable
set profiles signaling ipSignalingProfile PBX_IPSP commonIpAttributes flags rejectRefer disable
set profiles signaling ipSignalingProfile PBX_IPSP commonIpAttributes flags replaceHostOnViaHeader disable
set profiles signaling ipSignalingProfile PBX_IPSP commonIpAttributes flags sendRTCPBandwidthInfo disable
set profiles signaling ipSignalingProfile PBX_IPSP commonIpAttributes flags reQueryPsxOnRegisterRefresh disable
set profiles signaling ipSignalingProfile PBX_IPSP commonIpAttributes flags validateAccessNwInfoHeader disable
set profiles signaling ipSignalingProfile PBX_IPSP commonIpAttributes flags restrictHistoryInfoHeader disable
set profiles signaling ipSignalingProfile PBX_IPSP commonIpAttributes flags routeUsingRecvdFqdn disable
set profiles signaling ipSignalingProfile PBX_IPSP commonIpAttributes flags sdpOlineOnlyCompares disable
set profiles signaling ipSignalingProfile PBX_IPSP commonIpAttributes flags sendAllAllowedCodecsForLateMediaInviteOrReInvite disable
set profiles signaling ipSignalingProfile PBX_IPSP commonIpAttributes flags sendDirectMediaInfoInSdpAttribute disable
set profiles signaling ipSignalingProfile PBX_IPSP commonIpAttributes flags sendPtimeInSdp disable
set profiles signaling ipSignalingProfile PBX_IPSP commonIpAttributes flags sessionTimerRefreshUpdate enable
set profiles signaling ipSignalingProfile PBX_IPSP commonIpAttributes flags setAcceptHeaderToApplicationSdpOnly disable
set profiles signaling ipSignalingProfile PBX_IPSP commonIpAttributes flags setOlineDash disable
set profiles signaling ipSignalingProfile PBX_IPSP commonIpAttributes flags setSessionVersionZero disable
set profiles signaling ipSignalingProfile PBX_IPSP commonIpAttributes flags setSlineDash disable
set profiles signaling ipSignalingProfile PBX_IPSP commonIpAttributes flags skipPsxQueryForRefer disable
set profiles signaling ipSignalingProfile PBX_IPSP commonIpAttributes flags storePathHeader disable
set profiles signaling ipSignalingProfile PBX_IPSP commonIpAttributes flags storeServiceRouteHeader disable
set profiles signaling ipSignalingProfile PBX_IPSP commonIpAttributes flags terminalPortabilityInterworking disable

set profiles signaling ipSignalingProfile PBX_IPSP commonIpAttributes flags sendRtcpPortInSdp disable

set profiles signaling ipSignalingProfile PBX_IPSP commonIpAttributes flags storePChargingFuncAddr disable

set profiles signaling ipSignalingProfile PBX_IPSP commonIpAttributes flags storePChargingVector enable

set profiles signaling ipSignalingProfile PBX_IPSP commonIpAttributes flags createPVisitedNetworkId disable

set profiles signaling ipSignalingProfile PBX_IPSP commonIpAttributes flags lockDownPreferredCodec disable

set profiles signaling ipSignalingProfile PBX_IPSP commonIpAttributes flags sendOnlyPreferredCodec disable

set profiles signaling ipSignalingProfile PBX_IPSP commonIpAttributes flags suppressMinSelfNotReceived disable

set profiles signaling ipSignalingProfile PBX_IPSP commonIpAttributes flags usePsxRouteforRegisteredInvite disable

set profiles signaling ipSignalingProfile PBX_IPSP commonIpAttributes flags fromHeaderAnonymisation disable

set profiles signaling ipSignalingProfile PBX_IPSP commonIpAttributes flags noServiceRouteHdrForEmergencyRegistration disable

set profiles signaling ipSignalingProfile PBX_IPSP commonIpAttributes flags insertPAccessNetworkInfo disable

set profiles signaling ipSignalingProfile PBX_IPSP commonIpAttributes flags contactTransparencyForIsFocusMediaTag disable

set profiles signaling ipSignalingProfile PBX_IPSP commonIpAttributes flags supportSCSCFRestorationProcedures disable

set profiles signaling ipSignalingProfile PBX_IPSP commonIpAttributes flags insertUEFlowInfo disable

set profiles signaling ipSignalingProfile PBX_IPSP commonIpAttributes flags acceptAlertInfo disable

set profiles signaling ipSignalingProfile PBX_IPSP commonIpAttributes flags aiToPemInterworking disable

set profiles signaling ipSignalingProfile PBX_IPSP commonIpAttributes flags sendSBCSupportedCodecsForLateMediaReInvite disable

set profiles signaling ipSignalingProfile PBX_IPSP commonIpAttributes flags selectCoreStreamForMultiStreamAudioOrImageCall disable

set profiles signaling ipSignalingProfile PBX_IPSP commonIpAttributes flags mapDpmToSendrecvForInitialDialog disable

set profiles signaling ipSignalingProfile PBX_IPSP commonIpAttributes flags suppressReferRelayFromOtherLeg disable

set profiles signaling ipSignalingProfile PBX_IPSP commonIpAttributes flags supportCallInfoWithSipCause608Rfc8688 disable

set profiles signaling ipSignalingProfile PBX_IPSP commonIpAttributes callTransferFlags handleIpAddressesNotPresentInNetworkSelectorTableNst routeViaTransferringIptg

set profiles signaling ipSignalingProfile PBX_IPSP commonIpAttributes callTransferFlags forceReRouteViaPsxQuery disable

set profiles signaling ipSignalingProfile PBX_IPSP commonIpAttributes callTransferFlags skipReRouteViaPsxQuery disable

set profiles signaling ipSignalingProfile PBX_IPSP commonIpAttributes optionTagInRequireHeader suppressReplaceTag disable

set profiles signaling ipSignalingProfile PBX_IPSP commonIpAttributes optionTagInSupportedHeader suppressReplaceTag disable

set profiles signaling ipSignalingProfile PBX_IPSP commonIpAttributes preconditions State disable

set profiles signaling ipSignalingProfile PBX_IPSP commonIpAttributes relayFlags dialogEventPackage disable

set profiles signaling ipSignalingProfile PBX_IPSP commonIpAttributes relayFlags dtmfBody disable

set profiles signaling ipSignalingProfile PBX_IPSP commonIpAttributes relayFlags info disable

set profiles signaling ipSignalingProfile PBX_IPSP commonIpAttributes relayFlags message disable

set profiles signaling ipSignalingProfile PBX_IPSP commonIpAttributes relayFlags notify disable

set profiles signaling ipSignalingProfile PBX_IPSP commonIpAttributes relayFlags options disable

set profiles signaling ipSignalingProfile PBX_IPSP commonIpAttributes relayFlags regEventPackage disable

set profiles signaling ipSignalingProfile PBX_IPSP commonIpAttributes relayFlags refer disable

set profiles signaling ipSignalingProfile PBX_IPSP commonIpAttributes relayFlags sonusMediaBody disable

set profiles signaling ipSignalingProfile PBX_IPSP commonIpAttributes relayFlags statusCode3xx disable

set profiles signaling ipSignalingProfile PBX_IPSP commonIpAttributes relayFlags statusCode4xx6xx enable

set profiles signaling ipSignalingProfile PBX_IPSP commonIpAttributes relayFlags thirdPartyBodies disable

set profiles signaling ipSignalingProfile PBX_IPSP commonIpAttributes relayFlags force503to500Relay disable

set profiles signaling ipSignalingProfile PBX_IPSP commonIpAttributes relayFlags publish disable

set profiles signaling ipSignalingProfile PBX_IPSP commonIpAttributes relayFlags updateWithoutSdp disable

set profiles signaling ipSignalingProfile PBX_IPSP commonIpAttributes relayFlags conferenceEventPackage disable

set profiles signaling ipSignalingProfile PBX_IPSP commonIpAttributes relayFlags reasonPhrase4xx6xx disable

set profiles signaling ipSignalingProfile PBX_IPSP commonIpAttributes relayFlags referToHeaderRelay rejectReferIfnoMatchForcallId

set profiles signaling ipSignalingProfile PBX_IPSP commonIpAttributes transparencyFlags acceptContactHeader disable

set profiles signaling ipSignalingProfile PBX_IPSP commonIpAttributes transparencyFlags alertInformationHeader disable

set profiles signaling ipSignalingProfile PBX_IPSP commonIpAttributes transparencyFlags authcodeHeaders disable

set profiles signaling ipSignalingProfile PBX_IPSP commonIpAttributes transparencyFlags passCompleteContactHeader disable

set profiles signaling ipSignalingProfile PBX_IPSP commonIpAttributes transparencyFlags contactHeader disable

set profiles signaling ipSignalingProfile PBX_IPSP commonIpAttributes transparencyFlags errorInfo disable

set profiles signaling ipSignalingProfile PBX_IPSP commonIpAttributes transparencyFlags fromHeader enable

set profiles signaling ipSignalingProfile PBX_IPSP commonIpAttributes transparencyFlags historyInfo disable

set profiles signaling ipSignalingProfile PBX_IPSP commonIpAttributes transparencyFlags maxForwardsHeader disable

set profiles signaling ipSignalingProfile PBX_IPSP commonIpAttributes transparencyFlags mwiBody disable

set profiles signaling ipSignalingProfile PBX_IPSP commonIpAttributes transparencyFlags pAccessNetworkInfoHeader disable

set profiles signaling ipSignalingProfile PBX_IPSP commonIpAttributes transparencyFlags pCalledPartyID disable

set profiles signaling ipSignalingProfile PBX_IPSP commonIpAttributes transparencyFlags pChargingVectorHeader disable

set profiles signaling ipSignalingProfile PBX_IPSP commonIpAttributes transparencyFlags pEarlyMedia disable

set profiles signaling ipSignalingProfile PBX_IPSP commonIpAttributes transparencyFlags pVisitedNetworkIDHeader disable

set profiles signaling ipSignalingProfile PBX_IPSP commonIpAttributes transparencyFlags pathHeader disable

set profiles signaling ipSignalingProfile PBX_IPSP commonIpAttributes transparencyFlags pidfDiffBody disable

set profiles signaling ipSignalingProfile PBX_IPSP commonIpAttributes transparencyFlags qsigBody disable

set profiles signaling ipSignalingProfile PBX_IPSP commonIpAttributes transparencyFlags reasonHeader disable

set profiles signaling ipSignalingProfile PBX_IPSP commonIpAttributes transparencyFlags referredByHeader disable

set profiles signaling ipSignalingProfile PBX_IPSP commonIpAttributes transparencyFlags requestURI enable

set profiles signaling ipSignalingProfile PBX_IPSP commonIpAttributes transparencyFlags routeHeader disable

set profiles signaling ipSignalingProfile PBX_IPSP commonIpAttributes transparencyFlags serviceRouteHeader disable

set profiles signaling ipSignalingProfile PBX_IPSP commonIpAttributes transparencyFlags sipBody disable

set profiles signaling ipSignalingProfile PBX_IPSP commonIpAttributes transparencyFlags sipfragBody disable

set profiles signaling ipSignalingProfile PBX_IPSP commonIpAttributes transparencyFlags toHeader enable

set profiles signaling ipSignalingProfile PBX_IPSP commonIpAttributes transparencyFlags toneBody disable

set profiles signaling ipSignalingProfile PBX_IPSP commonIpAttributes transparencyFlags unknownBody disable

set profiles signaling ipSignalingProfile PBX_IPSP commonIpAttributes transparencyFlags unknownHeader disable

set profiles signaling ipSignalingProfile PBX_IPSP commonIpAttributes transparencyFlags userToUserHeader disable

set profiles signaling ipSignalingProfile PBX_IPSP commonIpAttributes transparencyFlags viaHeader disable

set profiles signaling ipSignalingProfile PBX_IPSP commonIpAttributes transparencyFlags geolocation disable

set profiles signaling ipSignalingProfile PBX_IPSP commonIpAttributes transparencyFlags geolocationRouting disable

set profiles signaling ipSignalingProfile PBX_IPSP commonIpAttributes transparencyFlags geolocationError disable

set profiles signaling ipSignalingProfile PBX_IPSP commonIpAttributes transparencyFlags acceptHeader disable

set profiles signaling ipSignalingProfile PBX_IPSP commonIpAttributes transparencyFlags callInfoHeader disable

set profiles signaling ipSignalingProfile PBX_IPSP commonIpAttributes transparencyFlags resourcePriorityOptionTag disable

set profiles signaling ipSignalingProfile PBX_IPSP commonIpAttributes transparencyFlags simpleFilterBody disable

set profiles signaling ipSignalingProfile PBX_IPSP commonIpAttributes transparencyFlags pidfBody disable

set profiles signaling ipSignalingProfile PBX_IPSP commonIpAttributes transparencyFlags watcherInfoBody disable

set profiles signaling ipSignalingProfile PBX_IPSP commonIpAttributes transparencyFlags rlmiBody disable

set profiles signaling ipSignalingProfile PBX_IPSP commonIpAttributes transparencyFlags externalBody disable

set profiles signaling ipSignalingProfile PBX_IPSP commonIpAttributes transparencyFlags warningHeader disable

set profiles signaling ipSignalingProfile PBX_IPSP commonIpAttributes transparencyFlags userAgentHeader disable

set profiles signaling ipSignalingProfile PBX_IPSP commonIpAttributes transparencyFlags serverHeader disable

set profiles signaling ipSignalingProfile PBX_IPSP commonIpAttributes transparencyFlags acceptLanguageHeader disable

set profiles signaling ipSignalingProfile PBX_IPSP commonIpAttributes transparencyFlags resourceListBody disable

set profiles signaling ipSignalingProfile PBX_IPSP commonIpAttributes headerEncryptionFlags encryptPathHeader disable

set profiles signaling ipSignalingProfile PBX_IPSP commonIpAttributes headerEncryptionFlags encryptServiceRouteHeader disable

set profiles signaling ipSignalingProfile PBX_IPSP commonIpAttributes subscriptionPackageSupport supportRegEvent disable

set profiles signaling ipSignalingProfile PBX_IPSP commonIpAttributes subscriptionPackageSupport usePSXRouteForSBCInitiatedSubscribe disable

set profiles signaling ipSignalingProfile PBX_IPSP commonIpAttributes registrarRecovery registerToAlternateOnPrimaryDown disable

set profiles signaling ipSignalingProfile PBX_IPSP egressIpAttributes flags bgcfTargetSchemeTransparency disable

set profiles signaling ipSignalingProfile PBX_IPSP egressIpAttributes flags convertInactiveToSendrecv disable

set profiles signaling ipSignalingProfile PBX_IPSP egressIpAttributes flags disable2806Compliance disable

set profiles signaling ipSignalingProfile PBX_IPSP egressIpAttributes flags disableOptionalRegisterParameters disable

set profiles signaling ipSignalingProfile PBX_IPSP egressIpAttributes flags addLoopBackRouteHeader disable

set profiles signaling ipSignalingProfile PBX_IPSP egressIpAttributes flags map181Or182MessageTo183 disable

set profiles signaling ipSignalingProfile PBX_IPSP egressIpAttributes flags map3xxContactUrlToRouteHeader disable

set profiles signaling ipSignalingProfile PBX_IPSP egressIpAttributes flags mapContractorNumberInPSigInfoHeader disable

set profiles signaling ipSignalingProfile PBX_IPSP egressIpAttributes flags transitPAIFromUnregisteredPeer disable

set profiles signaling ipSignalingProfile PBX_IPSP egressIpAttributes flags suppressUnregister disable

set profiles signaling ipSignalingProfile PBX_IPSP egressIpAttributes flags ttcIsupMapping disable

set profiles signaling ipSignalingProfile PBX_IPSP egressIpAttributes flags useCalledPartyInRequestUri disable

set profiles signaling ipSignalingProfile PBX_IPSP egressIpAttributes flags useColonInSdpMediaTypeParameter disable

set profiles signaling ipSignalingProfile PBX_IPSP egressIpAttributes flags validateIsubAddress disable

set profiles signaling ipSignalingProfile PBX_IPSP egressIpAttributes flags qosBasedRouting disable

set profiles signaling ipSignalingProfile PBX_IPSP egressIpAttributes flags ignoreSdpAfterOfferAnswerCompleted disable

set profiles signaling ipSignalingProfile PBX_IPSP egressIpAttributes flags includeEnumParameters disable

set profiles signaling ipSignalingProfile PBX_IPSP egressIpAttributes flags monitorRtpOnEgressUpdate disable

set profiles signaling ipSignalingProfile PBX_IPSP egressIpAttributes bci bciInterworkEncountered disable

set profiles signaling ipSignalingProfile PBX_IPSP egressIpAttributes bci bciIsdnAddess disable

set profiles signaling ipSignalingProfile PBX_IPSP egressIpAttributes domainName useSipDomainNameInFromField disable

set profiles signaling ipSignalingProfile PBX_IPSP egressIpAttributes domainName useSipDomainNameInRequestUri disable

set profiles signaling ipSignalingProfile PBX_IPSP egressIpAttributes domainName useZoneLevelDomainNameInContact disable

set profiles signaling ipSignalingProfile PBX_IPSP egressIpAttributes domainName useIpSignalingPeerDomainInRequestUri disable

set profiles signaling ipSignalingProfile PBX_IPSP egressIpAttributes domainName useZoneLevelDomainNameInPathHdr disable

set profiles signaling ipSignalingProfile PBX_IPSP egressIpAttributes domainName useSipDomainInPAIHeader disable

set profiles signaling ipSignalingProfile PBX_IPSP egressIpAttributes isub allowNsapIsub disable

set profiles signaling ipSignalingProfile PBX_IPSP egressIpAttributes isub allowUserSpecifiedIsub disable

set profiles signaling ipSignalingProfile PBX_IPSP egressIpAttributes isub includeCalledPartyIsub disable

set profiles signaling ipSignalingProfile PBX_IPSP egressIpAttributes isub includeCallingPartyIsub disable

set profiles signaling ipSignalingProfile PBX_IPSP egressIpAttributes numberPortabilityAttributes npdiOptions includeNpdiYes

set profiles signaling ipSignalingProfile PBX_IPSP egressIpAttributes numberPortabilityAttributes disableRn disable

set profiles signaling ipSignalingProfile PBX_IPSP egressIpAttributes privacy transparency disable

set profiles signaling ipSignalingProfile PBX_IPSP egressIpAttributes privacy privacyInformation pAssertedId

set profiles signaling ipSignalingProfile PBX_IPSP egressIpAttributes privacy flags includePrivacy enable

set profiles signaling ipSignalingProfile PBX_IPSP egressIpAttributes privacy flags privacyRequiredByProxy disable

set profiles signaling ipSignalingProfile PBX_IPSP egressIpAttributes privacy flags msLyncPrivacySupport disable

set profiles signaling ipSignalingProfile PBX_IPSP egressIpAttributes privacy flags includeEmbeddedPAIheaderInRedirectedInvite disable
set profiles signaling ipSignalingProfile PBX_IPSP egressIpAttributes redirect mode acceptRedirection
set profiles signaling ipSignalingProfile PBX_IPSP egressIpAttributes redirect contactHandling mergeReceivedContacts
set profiles signaling ipSignalingProfile PBX_IPSP egressIpAttributes redirect flags skipCrankbackProfileAndAlwaysCrankback disable
set profiles signaling ipSignalingProfile PBX_IPSP egressIpAttributes redirect flags forceRequeryForRedirection disable
set profiles signaling ipSignalingProfile PBX_IPSP egressIpAttributes redirect flags relayUnusedContactParams disable
set profiles signaling ipSignalingProfile PBX_IPSP egressIpAttributes redirect flags honorEmbeddedHeadersIn3xx disable
set profiles signaling ipSignalingProfile PBX_IPSP egressIpAttributes redirect flags enhancedLocalRedirection disable
set profiles signaling ipSignalingProfile PBX_IPSP egressIpAttributes redirect flags skipDTGLookupFor3xxContact disable
set profiles signaling ipSignalingProfile PBX_IPSP egressIpAttributes sipHeadersAndParameters callForwarding diversionHistoryInfoInterworking disable
set profiles signaling ipSignalingProfile PBX_IPSP egressIpAttributes sipHeadersAndParameters callForwarding dataMapping diversion
set profiles signaling ipSignalingProfile PBX_IPSP egressIpAttributes sipHeadersAndParameters callForwarding diversionHeaderTransparency disable
set profiles signaling ipSignalingProfile PBX_IPSP egressIpAttributes sipHeadersAndParameters callForwarding historyInformation includeHistoryInformation disable
set profiles signaling ipSignalingProfile PBX_IPSP egressIpAttributes sipHeadersAndParameters includeChargeInformation includeNone
set profiles signaling ipSignalingProfile PBX_IPSP egressIpAttributes sipHeadersAndParameters sessionExpiresRefresher uac
set profiles signaling ipSignalingProfile PBX_IPSP egressIpAttributes sipHeadersAndParameters sipToHeaderMapping none
set profiles signaling ipSignalingProfile PBX_IPSP egressIpAttributes sipHeadersAndParameters destinationTrunkGroupOptions includeNone
set profiles signaling ipSignalingProfile PBX_IPSP egressIpAttributes sipHeadersAndParameters originatingTrunkGroupOptions includeNone
set profiles signaling ipSignalingProfile PBX_IPSP egressIpAttributes sipHeadersAndParameters generateCallIdUsing doNotUseIngressCallId
set profiles signaling ipSignalingProfile PBX_IPSP egressIpAttributes sipHeadersAndParameters flags includeCic disable
set profiles signaling ipSignalingProfile PBX_IPSP egressIpAttributes sipHeadersAndParameters flags includeCpcInformation disable
set profiles signaling ipSignalingProfile PBX_IPSP egressIpAttributes sipHeadersAndParameters flags includeNpi disable

set profiles signaling ipSignalingProfile PBX_IPSP egressIpAttributes
sipHeadersAndParameters flags includeOlip disable
set profiles signaling ipSignalingProfile PBX_IPSP egressIpAttributes
sipHeadersAndParameters flags includePKAdn disable
set profiles signaling ipSignalingProfile PBX_IPSP egressIpAttributes
sipHeadersAndParameters flags includePstnParameters disable
set profiles signaling ipSignalingProfile PBX_IPSP egressIpAttributes
sipHeadersAndParameters flags includeQvalue disable
set profiles signaling ipSignalingProfile PBX_IPSP egressIpAttributes
sipHeadersAndParameters flags skipCSeqCheckInEarlyDialog disable
set profiles signaling ipSignalingProfile PBX_IPSP egressIpAttributes
sipHeadersAndParameters flags transparencyForDestinationTrunkGroupParameter disable
set profiles signaling ipSignalingProfile PBX_IPSP egressIpAttributes
sipHeadersAndParameters flags endToEndAck disable
set profiles signaling ipSignalingProfile PBX_IPSP egressIpAttributes transport type1 tcp
set profiles signaling ipSignalingProfile PBX_IPSP egressIpAttributes transport type2 none
set profiles signaling ipSignalingProfile PBX_IPSP egressIpAttributes transport type3 none
set profiles signaling ipSignalingProfile PBX_IPSP egressIpAttributes transport type4 none
set profiles signaling ipSignalingProfile PBX_IPSP egressIpAttributes sipCauseMapping
internalToSipCauseMappingProfileName ""
set profiles signaling ipSignalingProfile PBX_IPSP egressIpAttributes sipCauseMapping
sipToInternalCauseMappingProfileName ""
set profiles signaling ipSignalingProfile PBX_IPSP ingressIpAttributes flags sip181Supported
disable
set profiles signaling ipSignalingProfile PBX_IPSP ingressIpAttributes flags sip182Supported
disable
set profiles signaling ipSignalingProfile PBX_IPSP ingressIpAttributes flags
mapCalledPartyCategoryInPSigInfoHeader disable
set profiles signaling ipSignalingProfile PBX_IPSP ingressIpAttributes flags
noSdpIn180Supported disable
set profiles signaling ipSignalingProfile PBX_IPSP ingressIpAttributes flags
registrationExpiresinExpiresHeader disable
set profiles signaling ipSignalingProfile PBX_IPSP ingressIpAttributes flags
send183OnInitiatingDisconnectTreatment disable
set profiles signaling ipSignalingProfile PBX_IPSP ingressIpAttributes flags
sendSdpIn200OkIf18xReliable disable
set profiles signaling ipSignalingProfile PBX_IPSP ingressIpAttributes flags
sendSdpInSubsequent18x disable
set profiles signaling ipSignalingProfile PBX_IPSP ingressIpAttributes flags
sendTLSConnectionFailureResponse disable
set profiles signaling ipSignalingProfile PBX_IPSP ingressIpAttributes flags
suppress183For3xxRedirectResponse disable
set profiles signaling ipSignalingProfile PBX_IPSP ingressIpAttributes flags
suppress183WithoutSdp disable

set profiles signaling ipSignalingProfile PBX_IPSP ingressIpAttributes flags set-cut-through-indication-in-OBCI disable
set profiles signaling ipSignalingProfile PBX_IPSP ingressIpAttributes flags sendUpdatedSDPin200Ok disable
set profiles signaling ipSignalingProfile PBX_IPSP ingressIpAttributes carrierInformation generateTerminatingCa disable
set profiles signaling ipSignalingProfile PBX_IPSP ingressIpAttributes carrierInformation generateTerminatingCic disable
set profiles signaling ipSignalingProfile PBX_IPSP trfParameters preferredMrbUri ""
set profiles signaling ipSignalingProfile PBX_IPSP trfParameters preferredTrfUri ""
commit

PSTN Gateway:

set profiles signaling ipSignalingProfile PSTN_IPSP ipProtocolType sipOnly
set profiles signaling ipSignalingProfile PSTN_IPSP commonIpAttributes flags addPathServiceRoute disable
set profiles signaling ipSignalingProfile PSTN_IPSP commonIpAttributes flags addPChargingFuncAddr disable
set profiles signaling ipSignalingProfile PSTN_IPSP commonIpAttributes flags callHoldInterworking enable
set profiles signaling ipSignalingProfile PSTN_IPSP commonIpAttributes flags clearmodeForDataCalls disable
set profiles signaling ipSignalingProfile PSTN_IPSP commonIpAttributes flags createPChargingVector disable
set profiles signaling ipSignalingProfile PSTN_IPSP commonIpAttributes flags createPathHeader disable
set profiles signaling ipSignalingProfile PSTN_IPSP commonIpAttributes flags createServiceRouteHeader disable
set profiles signaling ipSignalingProfile PSTN_IPSP commonIpAttributes flags customizedSessionTimerBehavior disable
set profiles signaling ipSignalingProfile PSTN_IPSP commonIpAttributes flags disableAlsoHeader disable
set profiles signaling ipSignalingProfile PSTN_IPSP commonIpAttributes flags disableHostTranslation disable
set profiles signaling ipSignalingProfile PSTN_IPSP commonIpAttributes flags disableMediaLockDown disable
set profiles signaling ipSignalingProfile PSTN_IPSP commonIpAttributes flags disableReferToUriParameters disable
set profiles signaling ipSignalingProfile PSTN_IPSP commonIpAttributes flags discardReceivedReasonHeader disable
set profiles signaling ipSignalingProfile PSTN_IPSP commonIpAttributes flags doNotIncludeSsAttributeInReInvite disable
set profiles signaling ipSignalingProfile PSTN_IPSP commonIpAttributes flags enableDefaultPUIProcedures disable

set profiles signaling ipSignalingProfile PSTN_IPSP commonIpAttributes flags enableDialStringHandling disable
set profiles signaling ipSignalingProfile PSTN_IPSP commonIpAttributes flags endToEndBye disable
set profiles signaling ipSignalingProfile PSTN_IPSP commonIpAttributes flags endToEndReInvite disable
set profiles signaling ipSignalingProfile PSTN_IPSP commonIpAttributes flags endToEndUpdate disable
set profiles signaling ipSignalingProfile PSTN_IPSP commonIpAttributes flags endToEndPrack disable
set profiles signaling ipSignalingProfile PSTN_IPSP commonIpAttributes flags includeIpPortsInFromAndToHeaders disable
set profiles signaling ipSignalingProfile PSTN_IPSP commonIpAttributes flags includeReasonHeader disable
set profiles signaling ipSignalingProfile PSTN_IPSP commonIpAttributes flags includeSsAttributeInInitialInvite disable
set profiles signaling ipSignalingProfile PSTN_IPSP commonIpAttributes flags includeTransportTypeInContactHeader enable
set profiles signaling ipSignalingProfile PSTN_IPSP commonIpAttributes flags insertPeerAddressAsTopRouteHeader disable
set profiles signaling ipSignalingProfile PSTN_IPSP commonIpAttributes flags mapCauseLocation disable
set profiles signaling ipSignalingProfile PSTN_IPSP commonIpAttributes flags mapSuspendResumeEventInPSvcInfoHeader disable
set profiles signaling ipSignalingProfile PSTN_IPSP commonIpAttributes flags mapUuiInPSigInfoHeader disable
set profiles signaling ipSignalingProfile PSTN_IPSP commonIpAttributes flags mimeCausePrecedeReasonHeaderCause disable
set profiles signaling ipSignalingProfile PSTN_IPSP commonIpAttributes flags minimizeRelayingOfMediaChangesFromOtherCallLegAll disable
set profiles signaling ipSignalingProfile PSTN_IPSP commonIpAttributes flags noContentDisposition disable
set profiles signaling ipSignalingProfile PSTN_IPSP commonIpAttributes flags noPortNumber5060 disable
set profiles signaling ipSignalingProfile PSTN_IPSP commonIpAttributes flags noUserinfoInContactHeader disable
set profiles signaling ipSignalingProfile PSTN_IPSP commonIpAttributes flags onlySelectedCodecInSessionRefresh disable
set profiles signaling ipSignalingProfile PSTN_IPSP commonIpAttributes flags pCalledPartyIDSupport disable
set profiles signaling ipSignalingProfile PSTN_IPSP commonIpAttributes flags pChgMsgInfo disable
set profiles signaling ipSignalingProfile PSTN_IPSP commonIpAttributes flags publishIPInHoldSDP enable

set profiles signaling ipSignalingProfile PSTN_IPSP commonIpAttributes flags rejectRefer disable
set profiles signaling ipSignalingProfile PSTN_IPSP commonIpAttributes flags replaceHostOnViaHeader disable
set profiles signaling ipSignalingProfile PSTN_IPSP commonIpAttributes flags sendRTCPBandwidthInfo disable
set profiles signaling ipSignalingProfile PSTN_IPSP commonIpAttributes flags reQueryPsxOnRegisterRefresh disable
set profiles signaling ipSignalingProfile PSTN_IPSP commonIpAttributes flags validateAccessNwInfoHeader disable
set profiles signaling ipSignalingProfile PSTN_IPSP commonIpAttributes flags restrictHistoryInfoHeader disable
set profiles signaling ipSignalingProfile PSTN_IPSP commonIpAttributes flags routeUsingRecvdFqdn disable
set profiles signaling ipSignalingProfile PSTN_IPSP commonIpAttributes flags sdpOlineOnlyCompares disable
set profiles signaling ipSignalingProfile PSTN_IPSP commonIpAttributes flags sendAllAllowedCodecsForLateMediaInviteOrReInvite disable
set profiles signaling ipSignalingProfile PSTN_IPSP commonIpAttributes flags sendDirectMediaInfoInSdpAttribute disable
set profiles signaling ipSignalingProfile PSTN_IPSP commonIpAttributes flags sendPtimeInSdp disable
set profiles signaling ipSignalingProfile PSTN_IPSP commonIpAttributes flags sessionTimerRefreshUpdate disable
set profiles signaling ipSignalingProfile PSTN_IPSP commonIpAttributes flags setAcceptHeaderToApplicationSdpOnly disable
set profiles signaling ipSignalingProfile PSTN_IPSP commonIpAttributes flags setOlineDash disable
set profiles signaling ipSignalingProfile PSTN_IPSP commonIpAttributes flags setSessionVersionZero disable
set profiles signaling ipSignalingProfile PSTN_IPSP commonIpAttributes flags setSlineDash disable
set profiles signaling ipSignalingProfile PSTN_IPSP commonIpAttributes flags skipPsxQueryForRefer disable
set profiles signaling ipSignalingProfile PSTN_IPSP commonIpAttributes flags storePathHeader disable
set profiles signaling ipSignalingProfile PSTN_IPSP commonIpAttributes flags storeServiceRouteHeader disable
set profiles signaling ipSignalingProfile PSTN_IPSP commonIpAttributes flags terminalPortabilityInterworking disable
set profiles signaling ipSignalingProfile PSTN_IPSP commonIpAttributes flags sendRtcpPortInSdp disable
set profiles signaling ipSignalingProfile PSTN_IPSP commonIpAttributes flags storePChargingFuncAddr disable

set profiles signaling ipSignalingProfile PSTN_IPSP commonIpAttributes flags storePChargingVector enable

set profiles signaling ipSignalingProfile PSTN_IPSP commonIpAttributes flags createPVisitedNetworkId disable

set profiles signaling ipSignalingProfile PSTN_IPSP commonIpAttributes flags lockDownPreferredCodec disable

set profiles signaling ipSignalingProfile PSTN_IPSP commonIpAttributes flags sendOnlyPreferredCodec disable

set profiles signaling ipSignalingProfile PSTN_IPSP commonIpAttributes flags suppressMinSeIfNotReceived disable

set profiles signaling ipSignalingProfile PSTN_IPSP commonIpAttributes flags usePsxRouteforRegisteredInvite disable

set profiles signaling ipSignalingProfile PSTN_IPSP commonIpAttributes flags fromHeaderAnonymisation disable

set profiles signaling ipSignalingProfile PSTN_IPSP commonIpAttributes flags noServiceRouteHdrForEmergencyRegistration disable

set profiles signaling ipSignalingProfile PSTN_IPSP commonIpAttributes flags insertPAccessNetworkInfo disable

set profiles signaling ipSignalingProfile PSTN_IPSP commonIpAttributes flags contactTransparencyForIsFocusMediaTag disable

set profiles signaling ipSignalingProfile PSTN_IPSP commonIpAttributes flags supportSCSCFRestorationProcedures disable

set profiles signaling ipSignalingProfile PSTN_IPSP commonIpAttributes flags insertUEFlowInfo disable

set profiles signaling ipSignalingProfile PSTN_IPSP commonIpAttributes flags acceptAlertInfo disable

set profiles signaling ipSignalingProfile PSTN_IPSP commonIpAttributes flags aiToPemInterworking disable

set profiles signaling ipSignalingProfile PSTN_IPSP commonIpAttributes flags sendSBCSupportedCodecsForLateMediaReInvite disable

set profiles signaling ipSignalingProfile PSTN_IPSP commonIpAttributes flags selectCoreStreamForMultiStreamAudioOrImageCall disable

set profiles signaling ipSignalingProfile PSTN_IPSP commonIpAttributes flags mapDpmToSendrecvForInitialDialog disable

set profiles signaling ipSignalingProfile PSTN_IPSP commonIpAttributes flags suppressReferRelayFromOtherLeg disable

set profiles signaling ipSignalingProfile PSTN_IPSP commonIpAttributes flags supportCallInfoWithSipCause608Rfc8688 disable

set profiles signaling ipSignalingProfile PSTN_IPSP commonIpAttributes callTransferFlags handleIpAddressesNotPresentInNetworkSelectorTableNst routeViaTransferringIptg

set profiles signaling ipSignalingProfile PSTN_IPSP commonIpAttributes callTransferFlags forceReRouteViaPsxQuery disable

set profiles signaling ipSignalingProfile PSTN_IPSP commonIpAttributes callTransferFlags skipReRouteViaPsxQuery disable

set profiles signaling ipSignalingProfile PSTN_IPSP commonIpAttributes
optionTagInRequireHeader suppressReplaceTag disable
set profiles signaling ipSignalingProfile PSTN_IPSP commonIpAttributes
optionTagInSupportedHeader suppressReplaceTag disable
set profiles signaling ipSignalingProfile PSTN_IPSP commonIpAttributes preconditions State
disable
set profiles signaling ipSignalingProfile PSTN_IPSP commonIpAttributes relayFlags
dialogEventPackage disable
set profiles signaling ipSignalingProfile PSTN_IPSP commonIpAttributes relayFlags dtmfBody
disable
set profiles signaling ipSignalingProfile PSTN_IPSP commonIpAttributes relayFlags info disable
set profiles signaling ipSignalingProfile PSTN_IPSP commonIpAttributes relayFlags message
disable
set profiles signaling ipSignalingProfile PSTN_IPSP commonIpAttributes relayFlags notify
disable
set profiles signaling ipSignalingProfile PSTN_IPSP commonIpAttributes relayFlags options
disable
set profiles signaling ipSignalingProfile PSTN_IPSP commonIpAttributes relayFlags
regEventPackage disable
set profiles signaling ipSignalingProfile PSTN_IPSP commonIpAttributes relayFlags refer
disable
set profiles signaling ipSignalingProfile PSTN_IPSP commonIpAttributes relayFlags
sonusMediaBody disable
set profiles signaling ipSignalingProfile PSTN_IPSP commonIpAttributes relayFlags
statusCode3xx disable
set profiles signaling ipSignalingProfile PSTN_IPSP commonIpAttributes relayFlags
statusCode4xx6xx enable
set profiles signaling ipSignalingProfile PSTN_IPSP commonIpAttributes relayFlags
thirdPartyBodies disable
set profiles signaling ipSignalingProfile PSTN_IPSP commonIpAttributes relayFlags
force503to500Relay disable
set profiles signaling ipSignalingProfile PSTN_IPSP commonIpAttributes relayFlags publish
disable
set profiles signaling ipSignalingProfile PSTN_IPSP commonIpAttributes relayFlags
updateWithoutSdp disable
set profiles signaling ipSignalingProfile PSTN_IPSP commonIpAttributes relayFlags
conferenceEventPackage disable
set profiles signaling ipSignalingProfile PSTN_IPSP commonIpAttributes relayFlags
reasonPhrase4xx6xx disable
set profiles signaling ipSignalingProfile PSTN_IPSP commonIpAttributes relayFlags
referToHeaderRelay rejectReferIfnoMatchForcallId
set profiles signaling ipSignalingProfile PSTN_IPSP commonIpAttributes transparencyFlags
acceptContactHeader disable
set profiles signaling ipSignalingProfile PSTN_IPSP commonIpAttributes transparencyFlags
alertInformationHeader disable

set profiles signaling ipSignalingProfile PSTN_IPSP commonIpAttributes transparencyFlags authcodeHeaders disable

set profiles signaling ipSignalingProfile PSTN_IPSP commonIpAttributes transparencyFlags passCompleteContactHeader disable

set profiles signaling ipSignalingProfile PSTN_IPSP commonIpAttributes transparencyFlags contactHeader disable

set profiles signaling ipSignalingProfile PSTN_IPSP commonIpAttributes transparencyFlags errorInfo disable

set profiles signaling ipSignalingProfile PSTN_IPSP commonIpAttributes transparencyFlags fromHeader disable

set profiles signaling ipSignalingProfile PSTN_IPSP commonIpAttributes transparencyFlags historyInfo disable

set profiles signaling ipSignalingProfile PSTN_IPSP commonIpAttributes transparencyFlags maxForwardsHeader disable

set profiles signaling ipSignalingProfile PSTN_IPSP commonIpAttributes transparencyFlags mwiBody disable

set profiles signaling ipSignalingProfile PSTN_IPSP commonIpAttributes transparencyFlags pAccessNetworkInfoHeader disable

set profiles signaling ipSignalingProfile PSTN_IPSP commonIpAttributes transparencyFlags pCalledPartyID disable

set profiles signaling ipSignalingProfile PSTN_IPSP commonIpAttributes transparencyFlags pChargingVectorHeader disable

set profiles signaling ipSignalingProfile PSTN_IPSP commonIpAttributes transparencyFlags pEarlyMedia disable

set profiles signaling ipSignalingProfile PSTN_IPSP commonIpAttributes transparencyFlags pVisitedNetworkIDHeader disable

set profiles signaling ipSignalingProfile PSTN_IPSP commonIpAttributes transparencyFlags pathHeader disable

set profiles signaling ipSignalingProfile PSTN_IPSP commonIpAttributes transparencyFlags pidfDiffBody disable

set profiles signaling ipSignalingProfile PSTN_IPSP commonIpAttributes transparencyFlags qsigBody disable

set profiles signaling ipSignalingProfile PSTN_IPSP commonIpAttributes transparencyFlags reasonHeader disable

set profiles signaling ipSignalingProfile PSTN_IPSP commonIpAttributes transparencyFlags referredByHeader disable

set profiles signaling ipSignalingProfile PSTN_IPSP commonIpAttributes transparencyFlags requestURI disable

set profiles signaling ipSignalingProfile PSTN_IPSP commonIpAttributes transparencyFlags routeHeader disable

set profiles signaling ipSignalingProfile PSTN_IPSP commonIpAttributes transparencyFlags serviceRouteHeader disable

set profiles signaling ipSignalingProfile PSTN_IPSP commonIpAttributes transparencyFlags sipBody disable

set profiles signaling ipSignalingProfile PSTN_IPSP commonIpAttributes transparencyFlags sipfragBody disable

set profiles signaling ipSignalingProfile PSTN_IPSP commonIpAttributes transparencyFlags toHeader disable

set profiles signaling ipSignalingProfile PSTN_IPSP commonIpAttributes transparencyFlags toneBody disable

set profiles signaling ipSignalingProfile PSTN_IPSP commonIpAttributes transparencyFlags unknownBody disable

set profiles signaling ipSignalingProfile PSTN_IPSP commonIpAttributes transparencyFlags unknownHeader disable

set profiles signaling ipSignalingProfile PSTN_IPSP commonIpAttributes transparencyFlags userToUserHeader disable

set profiles signaling ipSignalingProfile PSTN_IPSP commonIpAttributes transparencyFlags viaHeader disable

set profiles signaling ipSignalingProfile PSTN_IPSP commonIpAttributes transparencyFlags geolocation disable

set profiles signaling ipSignalingProfile PSTN_IPSP commonIpAttributes transparencyFlags geolocationRouting disable

set profiles signaling ipSignalingProfile PSTN_IPSP commonIpAttributes transparencyFlags geolocationError disable

set profiles signaling ipSignalingProfile PSTN_IPSP commonIpAttributes transparencyFlags acceptHeader disable

set profiles signaling ipSignalingProfile PSTN_IPSP commonIpAttributes transparencyFlags callInfoHeader disable

set profiles signaling ipSignalingProfile PSTN_IPSP commonIpAttributes transparencyFlags resourcePriorityOptionTag disable

set profiles signaling ipSignalingProfile PSTN_IPSP commonIpAttributes transparencyFlags simpleFilterBody disable

set profiles signaling ipSignalingProfile PSTN_IPSP commonIpAttributes transparencyFlags pidfBody disable

set profiles signaling ipSignalingProfile PSTN_IPSP commonIpAttributes transparencyFlags watcherInfoBody disable

set profiles signaling ipSignalingProfile PSTN_IPSP commonIpAttributes transparencyFlags rlmiBody disable

set profiles signaling ipSignalingProfile PSTN_IPSP commonIpAttributes transparencyFlags externalBody disable

set profiles signaling ipSignalingProfile PSTN_IPSP commonIpAttributes transparencyFlags warningHeader disable

set profiles signaling ipSignalingProfile PSTN_IPSP commonIpAttributes transparencyFlags userAgentHeader disable

set profiles signaling ipSignalingProfile PSTN_IPSP commonIpAttributes transparencyFlags serverHeader disable

set profiles signaling ipSignalingProfile PSTN_IPSP commonIpAttributes transparencyFlags acceptLanguageHeader disable

set profiles signaling ipSignalingProfile PSTN_IPSP commonIpAttributes transparencyFlags resourceListBody disable
set profiles signaling ipSignalingProfile PSTN_IPSP commonIpAttributes headerEncryptionFlags encryptPathHeader disable
set profiles signaling ipSignalingProfile PSTN_IPSP commonIpAttributes headerEncryptionFlags encryptServiceRouteHeader disable
set profiles signaling ipSignalingProfile PSTN_IPSP commonIpAttributes subscriptionPackageSupport supportRegEvent disable
set profiles signaling ipSignalingProfile PSTN_IPSP commonIpAttributes subscriptionPackageSupport usePSXRouteForSBCInitiatedSubscribe disable
set profiles signaling ipSignalingProfile PSTN_IPSP commonIpAttributes registrarRecovery registerToAlternateOnPrimaryDown disable
set profiles signaling ipSignalingProfile PSTN_IPSP egressIpAttributes flags bgcfTargetSchemeTransparency disable
set profiles signaling ipSignalingProfile PSTN_IPSP egressIpAttributes flags convertInactiveToSendrecv disable
set profiles signaling ipSignalingProfile PSTN_IPSP egressIpAttributes flags disable2806Compliance disable
set profiles signaling ipSignalingProfile PSTN_IPSP egressIpAttributes flags disableOptionalRegisterParameters disable
set profiles signaling ipSignalingProfile PSTN_IPSP egressIpAttributes flags addLoopBackRouteHeader disable
set profiles signaling ipSignalingProfile PSTN_IPSP egressIpAttributes flags map181Or182MessageTo183 disable
set profiles signaling ipSignalingProfile PSTN_IPSP egressIpAttributes flags map3xxContactUrlToRouteHeader disable
set profiles signaling ipSignalingProfile PSTN_IPSP egressIpAttributes flags mapContractorNumberInPSigInfoHeader disable
set profiles signaling ipSignalingProfile PSTN_IPSP egressIpAttributes flags transitPAIFromUnregisteredPeer disable
set profiles signaling ipSignalingProfile PSTN_IPSP egressIpAttributes flags suppressUnregister disable
set profiles signaling ipSignalingProfile PSTN_IPSP egressIpAttributes flags ttcIsupMapping disable
set profiles signaling ipSignalingProfile PSTN_IPSP egressIpAttributes flags useCalledPartyInRequestUri disable
set profiles signaling ipSignalingProfile PSTN_IPSP egressIpAttributes flags useColonInSdpMediaTypeParameter disable
set profiles signaling ipSignalingProfile PSTN_IPSP egressIpAttributes flags validateIsubAddress disable
set profiles signaling ipSignalingProfile PSTN_IPSP egressIpAttributes flags qosBasedRouting disable
set profiles signaling ipSignalingProfile PSTN_IPSP egressIpAttributes flags ignoreSdpAfterOfferAnswerCompleted disable

set profiles signaling ipSignalingProfile PSTN_IPSP egressIpAttributes flags includeEnumParameters disable
set profiles signaling ipSignalingProfile PSTN_IPSP egressIpAttributes flags monitorRtpOnEgressUpdate disable
set profiles signaling ipSignalingProfile PSTN_IPSP egressIpAttributes bci bciInterworkEncountered disable
set profiles signaling ipSignalingProfile PSTN_IPSP egressIpAttributes bci bciIsdnAddess disable
set profiles signaling ipSignalingProfile PSTN_IPSP egressIpAttributes domainName useSipDomainNameInFromField disable
set profiles signaling ipSignalingProfile PSTN_IPSP egressIpAttributes domainName useSipDomainNameInRequestUri disable
set profiles signaling ipSignalingProfile PSTN_IPSP egressIpAttributes domainName useZoneLevelDomainNameInContact disable
set profiles signaling ipSignalingProfile PSTN_IPSP egressIpAttributes domainName useIpSignalingPeerDomainInRequestUri disable
set profiles signaling ipSignalingProfile PSTN_IPSP egressIpAttributes domainName useZoneLevelDomainNameInPathHdr disable
set profiles signaling ipSignalingProfile PSTN_IPSP egressIpAttributes domainName useSipDomainInPAIHeader disable
set profiles signaling ipSignalingProfile PSTN_IPSP egressIpAttributes isub allowNsapIsub disable
set profiles signaling ipSignalingProfile PSTN_IPSP egressIpAttributes isub allowUserSpecifiedIsub disable
set profiles signaling ipSignalingProfile PSTN_IPSP egressIpAttributes isub includeCalledPartyIsub disable
set profiles signaling ipSignalingProfile PSTN_IPSP egressIpAttributes isub includeCallingPartyIsub disable
set profiles signaling ipSignalingProfile PSTN_IPSP egressIpAttributes numberPortabilityAttributes npdiOptions includeNpdiYes
set profiles signaling ipSignalingProfile PSTN_IPSP egressIpAttributes numberPortabilityAttributes disableRn disable
set profiles signaling ipSignalingProfile PSTN_IPSP egressIpAttributes privacy transparency disable
set profiles signaling ipSignalingProfile PSTN_IPSP egressIpAttributes privacy privacyInformation pPreferredId
set profiles signaling ipSignalingProfile PSTN_IPSP egressIpAttributes privacy flags includePrivacy enable
set profiles signaling ipSignalingProfile PSTN_IPSP egressIpAttributes privacy flags privacyRequiredByProxy disable
set profiles signaling ipSignalingProfile PSTN_IPSP egressIpAttributes privacy flags msLyncPrivacySupport disable
set profiles signaling ipSignalingProfile PSTN_IPSP egressIpAttributes privacy flags includeEmbeddedPAIheaderInRedirectedInvite disable

set profiles signaling ipSignalingProfile PSTN_IPSP egressIpAttributes redirect mode acceptRedirection
set profiles signaling ipSignalingProfile PSTN_IPSP egressIpAttributes redirect contactHandling mergeReceivedContacts
set profiles signaling ipSignalingProfile PSTN_IPSP egressIpAttributes redirect flags skipCrankbackProfileAndAlwaysCrankback disable
set profiles signaling ipSignalingProfile PSTN_IPSP egressIpAttributes redirect flags forceRequeryForRedirection disable
set profiles signaling ipSignalingProfile PSTN_IPSP egressIpAttributes redirect flags relayUnusedContactParams disable
set profiles signaling ipSignalingProfile PSTN_IPSP egressIpAttributes redirect flags honorEmbeddedHeadersIn3xx disable
set profiles signaling ipSignalingProfile PSTN_IPSP egressIpAttributes redirect flags enhancedLocalRedirection disable
set profiles signaling ipSignalingProfile PSTN_IPSP egressIpAttributes redirect flags skipDTGLookupFor3xxContact disable
set profiles signaling ipSignalingProfile PSTN_IPSP egressIpAttributes sipHeadersAndParameters callForwarding diversionHistoryInfoInterworking disable
set profiles signaling ipSignalingProfile PSTN_IPSP egressIpAttributes sipHeadersAndParameters callForwarding dataMapping diversion
set profiles signaling ipSignalingProfile PSTN_IPSP egressIpAttributes sipHeadersAndParameters callForwarding diversionHeaderTransparency disable
set profiles signaling ipSignalingProfile PSTN_IPSP egressIpAttributes sipHeadersAndParameters callForwarding historyInformation includeHistoryInformation disable
set profiles signaling ipSignalingProfile PSTN_IPSP egressIpAttributes sipHeadersAndParameters includeChargeInformation includeNone
set profiles signaling ipSignalingProfile PSTN_IPSP egressIpAttributes sipHeadersAndParameters sipToHeaderMapping none
set profiles signaling ipSignalingProfile PSTN_IPSP egressIpAttributes sipHeadersAndParameters destinationTrunkGroupOptions includeNone
set profiles signaling ipSignalingProfile PSTN_IPSP egressIpAttributes sipHeadersAndParameters originatingTrunkGroupOptions includeNone
set profiles signaling ipSignalingProfile PSTN_IPSP egressIpAttributes sipHeadersAndParameters generateCallIdUsing doNotUseIngressCallId
set profiles signaling ipSignalingProfile PSTN_IPSP egressIpAttributes sipHeadersAndParameters flags includeCic disable
set profiles signaling ipSignalingProfile PSTN_IPSP egressIpAttributes sipHeadersAndParameters flags includeCpcInformation disable
set profiles signaling ipSignalingProfile PSTN_IPSP egressIpAttributes sipHeadersAndParameters flags includeNpi disable
set profiles signaling ipSignalingProfile PSTN_IPSP egressIpAttributes sipHeadersAndParameters flags includeOlip disable
set profiles signaling ipSignalingProfile PSTN_IPSP egressIpAttributes sipHeadersAndParameters flags includePKAdn disable

set profiles signaling ipSignalingProfile PSTN_IPSP egressIpAttributes
sipHeadersAndParameters flags includePstnParameters disable
set profiles signaling ipSignalingProfile PSTN_IPSP egressIpAttributes
sipHeadersAndParameters flags includeQvalue disable
set profiles signaling ipSignalingProfile PSTN_IPSP egressIpAttributes
sipHeadersAndParameters flags skipCSeqCheckInEarlyDialog disable
set profiles signaling ipSignalingProfile PSTN_IPSP egressIpAttributes
sipHeadersAndParameters flags transparencyForDestinationTrunkGroupParameter disable
set profiles signaling ipSignalingProfile PSTN_IPSP egressIpAttributes
sipHeadersAndParameters flags endToEndAck disable
set profiles signaling ipSignalingProfile PSTN_IPSP egressIpAttributes transport type1 tcp
set profiles signaling ipSignalingProfile PSTN_IPSP egressIpAttributes transport type2 none
set profiles signaling ipSignalingProfile PSTN_IPSP egressIpAttributes transport type3 none
set profiles signaling ipSignalingProfile PSTN_IPSP egressIpAttributes transport type4 none
set profiles signaling ipSignalingProfile PSTN_IPSP egressIpAttributes sipCauseMapping
internalToSipCauseMappingProfileName ""
set profiles signaling ipSignalingProfile PSTN_IPSP egressIpAttributes sipCauseMapping
sipToInternalCauseMappingProfileName ""
set profiles signaling ipSignalingProfile PSTN_IPSP ingressIpAttributes flags sip181Supported
disable
set profiles signaling ipSignalingProfile PSTN_IPSP ingressIpAttributes flags sip182Supported
disable
set profiles signaling ipSignalingProfile PSTN_IPSP ingressIpAttributes flags
mapCalledPartyCategoryInPSigInfoHeader disable
set profiles signaling ipSignalingProfile PSTN_IPSP ingressIpAttributes flags
noSdpIn180Supported disable
set profiles signaling ipSignalingProfile PSTN_IPSP ingressIpAttributes flags
registrationExpiresinExpiresHeader disable
set profiles signaling ipSignalingProfile PSTN_IPSP ingressIpAttributes flags
send183OnInitiatingDisconnectTreatment disable
set profiles signaling ipSignalingProfile PSTN_IPSP ingressIpAttributes flags
sendSdpIn200OkIf18xReliable disable
set profiles signaling ipSignalingProfile PSTN_IPSP ingressIpAttributes flags
sendSdpInSubsequent18x disable
set profiles signaling ipSignalingProfile PSTN_IPSP ingressIpAttributes flags
sendTLSConnectionFailureResponse disable
set profiles signaling ipSignalingProfile PSTN_IPSP ingressIpAttributes flags
suppress183For3xxRedirectResponse disable
set profiles signaling ipSignalingProfile PSTN_IPSP ingressIpAttributes flags
suppress183WithoutSdp disable
set profiles signaling ipSignalingProfile PSTN_IPSP ingressIpAttributes flags set-cut-through-
indication-in-OBCI disable
set profiles signaling ipSignalingProfile PSTN_IPSP ingressIpAttributes flags
sendUpdatedSDPin200Ok disable

set profiles signaling ipSignalingProfile PSTN_IPSP ingressIpAttributes carrierInformation generateTerminatingCa disable
set profiles signaling ipSignalingProfile PSTN_IPSP ingressIpAttributes carrierInformation generateTerminatingCic disable
set profiles signaling ipSignalingProfile PSTN_IPSP trfParameters preferredMrbUri ""
set profiles signaling ipSignalingProfile PSTN_IPSP trfParameters preferredTrfUri ""
commit

Google CCAI:

set profiles signaling ipSignalingProfile GOOGLE_IPSP ipProtocolType sipOnly
set profiles signaling ipSignalingProfile GOOGLE_IPSP commonIpAttributes flags addPathServiceRoute disable
set profiles signaling ipSignalingProfile GOOGLE_IPSP commonIpAttributes flags addPChargingFuncAddr disable
set profiles signaling ipSignalingProfile GOOGLE_IPSP commonIpAttributes flags callHoldInterworking disable
set profiles signaling ipSignalingProfile GOOGLE_IPSP commonIpAttributes flags clearmodeForDataCalls disable
set profiles signaling ipSignalingProfile GOOGLE_IPSP commonIpAttributes flags createPChargingVector disable
set profiles signaling ipSignalingProfile GOOGLE_IPSP commonIpAttributes flags createPathHeader disable
set profiles signaling ipSignalingProfile GOOGLE_IPSP commonIpAttributes flags createServiceRouteHeader disable
set profiles signaling ipSignalingProfile GOOGLE_IPSP commonIpAttributes flags customizedSessionTimerBehavior enable
set profiles signaling ipSignalingProfile GOOGLE_IPSP commonIpAttributes flags disableAlsoHeader disable
set profiles signaling ipSignalingProfile GOOGLE_IPSP commonIpAttributes flags disableHostTranslation disable
set profiles signaling ipSignalingProfile GOOGLE_IPSP commonIpAttributes flags disableMediaLockDown disable
set profiles signaling ipSignalingProfile GOOGLE_IPSP commonIpAttributes flags disableReferToUriParameters disable
set profiles signaling ipSignalingProfile GOOGLE_IPSP commonIpAttributes flags discardReceivedReasonHeader disable
set profiles signaling ipSignalingProfile GOOGLE_IPSP commonIpAttributes flags doNotIncludeSsAttributeInReInvite disable
set profiles signaling ipSignalingProfile GOOGLE_IPSP commonIpAttributes flags enableDefaultPUIProcedures disable
set profiles signaling ipSignalingProfile GOOGLE_IPSP commonIpAttributes flags enableDialStringHandling disable
set profiles signaling ipSignalingProfile GOOGLE_IPSP commonIpAttributes flags endToEndBye disable

set profiles signaling ipSignalingProfile GOOGLE_IPSP commonIpAttributes flags endToEndReInvite disable
set profiles signaling ipSignalingProfile GOOGLE_IPSP commonIpAttributes flags endToEndUpdate disable
set profiles signaling ipSignalingProfile GOOGLE_IPSP commonIpAttributes flags endToEndPrack disable
set profiles signaling ipSignalingProfile GOOGLE_IPSP commonIpAttributes flags includeIpPortsInFromAndToHeaders disable
set profiles signaling ipSignalingProfile GOOGLE_IPSP commonIpAttributes flags includeReasonHeader disable
set profiles signaling ipSignalingProfile GOOGLE_IPSP commonIpAttributes flags includeSsAttributeInInitialInvite disable
set profiles signaling ipSignalingProfile GOOGLE_IPSP commonIpAttributes flags includeTransportTypeInContactHeader enable
set profiles signaling ipSignalingProfile GOOGLE_IPSP commonIpAttributes flags insertPeerAddressAsTopRouteHeader disable
set profiles signaling ipSignalingProfile GOOGLE_IPSP commonIpAttributes flags mapCauseLocation disable
set profiles signaling ipSignalingProfile GOOGLE_IPSP commonIpAttributes flags mapSuspendResumeEventInPSvcInfoHeader disable
set profiles signaling ipSignalingProfile GOOGLE_IPSP commonIpAttributes flags mapUuiInPSigInfoHeader disable
set profiles signaling ipSignalingProfile GOOGLE_IPSP commonIpAttributes flags mimeCausePrecedeReasonHeaderCause disable
set profiles signaling ipSignalingProfile GOOGLE_IPSP commonIpAttributes flags minimizeRelayingOfMediaChangesFromOtherCallLegAll disable
set profiles signaling ipSignalingProfile GOOGLE_IPSP commonIpAttributes flags noContentDisposition disable
set profiles signaling ipSignalingProfile GOOGLE_IPSP commonIpAttributes flags noPortNumber5060 disable
set profiles signaling ipSignalingProfile GOOGLE_IPSP commonIpAttributes flags noUserinfoInContactHeader disable
set profiles signaling ipSignalingProfile GOOGLE_IPSP commonIpAttributes flags onlySelectedCodecInSessionRefresh disable
set profiles signaling ipSignalingProfile GOOGLE_IPSP commonIpAttributes flags pCalledPartyIDSupport disable
set profiles signaling ipSignalingProfile GOOGLE_IPSP commonIpAttributes flags pChgMsgInfo disable
set profiles signaling ipSignalingProfile GOOGLE_IPSP commonIpAttributes flags publishIPInHoldSDP disable
set profiles signaling ipSignalingProfile GOOGLE_IPSP commonIpAttributes flags rejectRefer disable
set profiles signaling ipSignalingProfile GOOGLE_IPSP commonIpAttributes flags replaceHostOnViaHeader disable

set profiles signaling ipSignalingProfile GOOGLE_IPSP commonIpAttributes flags sendRTCPBandwidthInfo disable

set profiles signaling ipSignalingProfile GOOGLE_IPSP commonIpAttributes flags reQueryPsxOnRegisterRefresh disable

set profiles signaling ipSignalingProfile GOOGLE_IPSP commonIpAttributes flags validateAccessNwInfoHeader disable

set profiles signaling ipSignalingProfile GOOGLE_IPSP commonIpAttributes flags restrictHistoryInfoHeader disable

set profiles signaling ipSignalingProfile GOOGLE_IPSP commonIpAttributes flags routeUsingRecvdFqdn disable

set profiles signaling ipSignalingProfile GOOGLE_IPSP commonIpAttributes flags sdpOlineOnlyCompares disable

set profiles signaling ipSignalingProfile GOOGLE_IPSP commonIpAttributes flags sendAllAllowedCodecsForLateMediaInviteOrReInvite disable

set profiles signaling ipSignalingProfile GOOGLE_IPSP commonIpAttributes flags sendDirectMediaInfoInSdpAttribute disable

set profiles signaling ipSignalingProfile GOOGLE_IPSP commonIpAttributes flags sendPtimeInSdp disable

set profiles signaling ipSignalingProfile GOOGLE_IPSP commonIpAttributes flags sessionTimerRefreshUpdate enable

set profiles signaling ipSignalingProfile GOOGLE_IPSP commonIpAttributes flags setAcceptHeaderToApplicationSdpOnly disable

set profiles signaling ipSignalingProfile GOOGLE_IPSP commonIpAttributes flags setOlineDash disable

set profiles signaling ipSignalingProfile GOOGLE_IPSP commonIpAttributes flags setSessionVersionZero disable

set profiles signaling ipSignalingProfile GOOGLE_IPSP commonIpAttributes flags setSlineDash disable

set profiles signaling ipSignalingProfile GOOGLE_IPSP commonIpAttributes flags skipPsxQueryForRefer disable

set profiles signaling ipSignalingProfile GOOGLE_IPSP commonIpAttributes flags storePathHeader disable

set profiles signaling ipSignalingProfile GOOGLE_IPSP commonIpAttributes flags storeServiceRouteHeader disable

set profiles signaling ipSignalingProfile GOOGLE_IPSP commonIpAttributes flags terminalPortabilityInterworking disable

set profiles signaling ipSignalingProfile GOOGLE_IPSP commonIpAttributes flags sendRtcpPortInSdp disable

set profiles signaling ipSignalingProfile GOOGLE_IPSP commonIpAttributes flags storePChargingFuncAddr disable

set profiles signaling ipSignalingProfile GOOGLE_IPSP commonIpAttributes flags storePChargingVector enable

set profiles signaling ipSignalingProfile GOOGLE_IPSP commonIpAttributes flags createPVisitedNetworkId disable

set profiles signaling ipSignalingProfile GOOGLE_IPSP commonIpAttributes flags lockDownPreferredCodec disable

set profiles signaling ipSignalingProfile GOOGLE_IPSP commonIpAttributes flags sendOnlyPreferredCodec disable

set profiles signaling ipSignalingProfile GOOGLE_IPSP commonIpAttributes flags suppressMinSeIfNotReceived disable

set profiles signaling ipSignalingProfile GOOGLE_IPSP commonIpAttributes flags usePsxRouteforRegisteredInvite disable

set profiles signaling ipSignalingProfile GOOGLE_IPSP commonIpAttributes flags fromHeaderAnonymisation disable

set profiles signaling ipSignalingProfile GOOGLE_IPSP commonIpAttributes flags noServiceRouteHdrForEmergencyRegistration disable

set profiles signaling ipSignalingProfile GOOGLE_IPSP commonIpAttributes flags insertPAccessNetworkInfo disable

set profiles signaling ipSignalingProfile GOOGLE_IPSP commonIpAttributes flags contactTransparencyForIsFocusMediaTag disable

set profiles signaling ipSignalingProfile GOOGLE_IPSP commonIpAttributes flags supportSCSCFRestorationProcedures disable

set profiles signaling ipSignalingProfile GOOGLE_IPSP commonIpAttributes flags insertUEFlowInfo disable

set profiles signaling ipSignalingProfile GOOGLE_IPSP commonIpAttributes flags acceptAlertInfo disable

set profiles signaling ipSignalingProfile GOOGLE_IPSP commonIpAttributes flags aiToPemInterworking disable

set profiles signaling ipSignalingProfile GOOGLE_IPSP commonIpAttributes flags sendSBCSupportedCodecsForLateMediaReInvite disable

set profiles signaling ipSignalingProfile GOOGLE_IPSP commonIpAttributes flags selectCoreStreamForMultiStreamAudioOrImageCall disable

set profiles signaling ipSignalingProfile GOOGLE_IPSP commonIpAttributes flags mapDpmToSendrecvForInitialDialog disable

set profiles signaling ipSignalingProfile GOOGLE_IPSP commonIpAttributes flags suppressReferRelayFromOtherLeg disable

set profiles signaling ipSignalingProfile GOOGLE_IPSP commonIpAttributes flags supportCallInfoWithSipCause608Rfc8688 disable

set profiles signaling ipSignalingProfile GOOGLE_IPSP commonIpAttributes callTransferFlags handleIpAddressesNotPresentInNetworkSelectorTableNst routeViaTransferringIptg

set profiles signaling ipSignalingProfile GOOGLE_IPSP commonIpAttributes callTransferFlags forceReRouteViaPsxQuery disable

set profiles signaling ipSignalingProfile GOOGLE_IPSP commonIpAttributes callTransferFlags skipReRouteViaPsxQuery disable

set profiles signaling ipSignalingProfile GOOGLE_IPSP commonIpAttributes optionTagInRequireHeader suppressReplaceTag disable

set profiles signaling ipSignalingProfile GOOGLE_IPSP commonIpAttributes optionTagInSupportedHeader suppressReplaceTag disable

set profiles signaling ipSignalingProfile GOOGLE_IPSP commonIpAttributes preconditions State disable

set profiles signaling ipSignalingProfile GOOGLE_IPSP commonIpAttributes relayFlags dialogEventPackage disable

set profiles signaling ipSignalingProfile GOOGLE_IPSP commonIpAttributes relayFlags dtmfBody disable

set profiles signaling ipSignalingProfile GOOGLE_IPSP commonIpAttributes relayFlags info disable

set profiles signaling ipSignalingProfile GOOGLE_IPSP commonIpAttributes relayFlags message disable

set profiles signaling ipSignalingProfile GOOGLE_IPSP commonIpAttributes relayFlags notify disable

set profiles signaling ipSignalingProfile GOOGLE_IPSP commonIpAttributes relayFlags options disable

set profiles signaling ipSignalingProfile GOOGLE_IPSP commonIpAttributes relayFlags regEventPackage disable

set profiles signaling ipSignalingProfile GOOGLE_IPSP commonIpAttributes relayFlags refer disable

set profiles signaling ipSignalingProfile GOOGLE_IPSP commonIpAttributes relayFlags sonusMediaBody disable

set profiles signaling ipSignalingProfile GOOGLE_IPSP commonIpAttributes relayFlags statusCode3xx disable

set profiles signaling ipSignalingProfile GOOGLE_IPSP commonIpAttributes relayFlags statusCode4xx6xx disable

set profiles signaling ipSignalingProfile GOOGLE_IPSP commonIpAttributes relayFlags thirdPartyBodies disable

set profiles signaling ipSignalingProfile GOOGLE_IPSP commonIpAttributes relayFlags force503to500Relay disable

set profiles signaling ipSignalingProfile GOOGLE_IPSP commonIpAttributes relayFlags publish disable

set profiles signaling ipSignalingProfile GOOGLE_IPSP commonIpAttributes relayFlags updateWithoutSdp disable

set profiles signaling ipSignalingProfile GOOGLE_IPSP commonIpAttributes relayFlags conferenceEventPackage disable

set profiles signaling ipSignalingProfile GOOGLE_IPSP commonIpAttributes relayFlags reasonPhrase4xx6xx disable

set profiles signaling ipSignalingProfile GOOGLE_IPSP commonIpAttributes relayFlags referToHeaderRelay rejectReferIfnoMatchForcallId

set profiles signaling ipSignalingProfile GOOGLE_IPSP commonIpAttributes transparencyFlags acceptContactHeader disable

set profiles signaling ipSignalingProfile GOOGLE_IPSP commonIpAttributes transparencyFlags alertInformationHeader disable

set profiles signaling ipSignalingProfile GOOGLE_IPSP commonIpAttributes transparencyFlags authcodeHeaders disable

set profiles signaling ipSignalingProfile GOOGLE_IPSP commonIpAttributes transparencyFlags passCompleteContactHeader disable

set profiles signaling ipSignalingProfile GOOGLE_IPSP commonIpAttributes transparencyFlags contactHeader disable

set profiles signaling ipSignalingProfile GOOGLE_IPSP commonIpAttributes transparencyFlags errorInfo disable

set profiles signaling ipSignalingProfile GOOGLE_IPSP commonIpAttributes transparencyFlags fromHeader enable

set profiles signaling ipSignalingProfile GOOGLE_IPSP commonIpAttributes transparencyFlags historyInfo disable

set profiles signaling ipSignalingProfile GOOGLE_IPSP commonIpAttributes transparencyFlags maxForwardsHeader disable

set profiles signaling ipSignalingProfile GOOGLE_IPSP commonIpAttributes transparencyFlags mwiBody disable

set profiles signaling ipSignalingProfile GOOGLE_IPSP commonIpAttributes transparencyFlags pAccessNetworkInfoHeader disable

set profiles signaling ipSignalingProfile GOOGLE_IPSP commonIpAttributes transparencyFlags pCalledPartyID disable

set profiles signaling ipSignalingProfile GOOGLE_IPSP commonIpAttributes transparencyFlags pChargingVectorHeader disable

set profiles signaling ipSignalingProfile GOOGLE_IPSP commonIpAttributes transparencyFlags pEarlyMedia disable

set profiles signaling ipSignalingProfile GOOGLE_IPSP commonIpAttributes transparencyFlags pVisitedNetworkIDHeader disable

set profiles signaling ipSignalingProfile GOOGLE_IPSP commonIpAttributes transparencyFlags pathHeader disable

set profiles signaling ipSignalingProfile GOOGLE_IPSP commonIpAttributes transparencyFlags pidfDiffBody disable

set profiles signaling ipSignalingProfile GOOGLE_IPSP commonIpAttributes transparencyFlags qsigBody disable

set profiles signaling ipSignalingProfile GOOGLE_IPSP commonIpAttributes transparencyFlags reasonHeader disable

set profiles signaling ipSignalingProfile GOOGLE_IPSP commonIpAttributes transparencyFlags referredByHeader disable

set profiles signaling ipSignalingProfile GOOGLE_IPSP commonIpAttributes transparencyFlags requestURI enable

set profiles signaling ipSignalingProfile GOOGLE_IPSP commonIpAttributes transparencyFlags routeHeader disable

set profiles signaling ipSignalingProfile GOOGLE_IPSP commonIpAttributes transparencyFlags serviceRouteHeader disable

set profiles signaling ipSignalingProfile GOOGLE_IPSP commonIpAttributes transparencyFlags sipBody disable

set profiles signaling ipSignalingProfile GOOGLE_IPSP commonIpAttributes transparencyFlags sipfragBody disable

set profiles signaling ipSignalingProfile GOOGLE_IPSP commonIpAttributes
transparencyFlags toHeader enable
set profiles signaling ipSignalingProfile GOOGLE_IPSP commonIpAttributes
transparencyFlags toneBody disable
set profiles signaling ipSignalingProfile GOOGLE_IPSP commonIpAttributes
transparencyFlags unknownBody disable
set profiles signaling ipSignalingProfile GOOGLE_IPSP commonIpAttributes
transparencyFlags unknownHeader disable
set profiles signaling ipSignalingProfile GOOGLE_IPSP commonIpAttributes
transparencyFlags userToUserHeader disable
set profiles signaling ipSignalingProfile GOOGLE_IPSP commonIpAttributes
transparencyFlags viaHeader disable
set profiles signaling ipSignalingProfile GOOGLE_IPSP commonIpAttributes
transparencyFlags geolocation disable
set profiles signaling ipSignalingProfile GOOGLE_IPSP commonIpAttributes
transparencyFlags geolocationRouting disable
set profiles signaling ipSignalingProfile GOOGLE_IPSP commonIpAttributes
transparencyFlags geolocationError disable
set profiles signaling ipSignalingProfile GOOGLE_IPSP commonIpAttributes
transparencyFlags acceptHeader disable
set profiles signaling ipSignalingProfile GOOGLE_IPSP commonIpAttributes
transparencyFlags callInfoHeader disable
set profiles signaling ipSignalingProfile GOOGLE_IPSP commonIpAttributes
transparencyFlags resourcePriorityOptionTag disable
set profiles signaling ipSignalingProfile GOOGLE_IPSP commonIpAttributes
transparencyFlags simpleFilterBody disable
set profiles signaling ipSignalingProfile GOOGLE_IPSP commonIpAttributes
transparencyFlags pidfBody disable
set profiles signaling ipSignalingProfile GOOGLE_IPSP commonIpAttributes
transparencyFlags watcherInfoBody disable
set profiles signaling ipSignalingProfile GOOGLE_IPSP commonIpAttributes
transparencyFlags rlmiBody disable
set profiles signaling ipSignalingProfile GOOGLE_IPSP commonIpAttributes
transparencyFlags externalBody disable
set profiles signaling ipSignalingProfile GOOGLE_IPSP commonIpAttributes
transparencyFlags warningHeader disable
set profiles signaling ipSignalingProfile GOOGLE_IPSP commonIpAttributes
transparencyFlags userAgentHeader disable
set profiles signaling ipSignalingProfile GOOGLE_IPSP commonIpAttributes
transparencyFlags serverHeader disable
set profiles signaling ipSignalingProfile GOOGLE_IPSP commonIpAttributes
transparencyFlags acceptLanguageHeader disable
set profiles signaling ipSignalingProfile GOOGLE_IPSP commonIpAttributes
transparencyFlags resourceListBody disable

set profiles signaling ipSignalingProfile GOOGLE_IPSP commonIpAttributes
headerEncryptionFlags encryptPathHeader disable
set profiles signaling ipSignalingProfile GOOGLE_IPSP commonIpAttributes
headerEncryptionFlags encryptServiceRouteHeader disable
set profiles signaling ipSignalingProfile GOOGLE_IPSP commonIpAttributes
subscriptionPackageSupport supportRegEvent disable
set profiles signaling ipSignalingProfile GOOGLE_IPSP commonIpAttributes
subscriptionPackageSupport usePSXRouteForSBCInitiatedSubscribe disable
set profiles signaling ipSignalingProfile GOOGLE_IPSP commonIpAttributes registrarRecovery
registerToAlternateOnPrimaryDown disable
set profiles signaling ipSignalingProfile GOOGLE_IPSP egressIpAttributes flags
bgcfTargetSchemeTransparency disable
set profiles signaling ipSignalingProfile GOOGLE_IPSP egressIpAttributes flags
convertInactiveToSendrecv disable
set profiles signaling ipSignalingProfile GOOGLE_IPSP egressIpAttributes flags
disable2806Compliance disable
set profiles signaling ipSignalingProfile GOOGLE_IPSP egressIpAttributes flags
disableOptionalRegisterParameters disable
set profiles signaling ipSignalingProfile GOOGLE_IPSP egressIpAttributes flags
addLoopBackRouteHeader disable
set profiles signaling ipSignalingProfile GOOGLE_IPSP egressIpAttributes flags
map181Or182MessageTo183 disable
set profiles signaling ipSignalingProfile GOOGLE_IPSP egressIpAttributes flags
map3xxContactUrlToRouteHeader disable
set profiles signaling ipSignalingProfile GOOGLE_IPSP egressIpAttributes flags
mapContractorNumberInPSigInfoHeader disable
set profiles signaling ipSignalingProfile GOOGLE_IPSP egressIpAttributes flags
transitPAIFromUnregisteredPeer disable
set profiles signaling ipSignalingProfile GOOGLE_IPSP egressIpAttributes flags
suppressUnregister disable
set profiles signaling ipSignalingProfile GOOGLE_IPSP egressIpAttributes flags
ttcIsupMapping disable
set profiles signaling ipSignalingProfile GOOGLE_IPSP egressIpAttributes flags
useCalledPartyInRequestUri disable
set profiles signaling ipSignalingProfile GOOGLE_IPSP egressIpAttributes flags
useColonInSdpMediaTypeParameter disable
set profiles signaling ipSignalingProfile GOOGLE_IPSP egressIpAttributes flags
validateIsubAddress disable
set profiles signaling ipSignalingProfile GOOGLE_IPSP egressIpAttributes flags
qosBasedRouting disable
set profiles signaling ipSignalingProfile GOOGLE_IPSP egressIpAttributes flags
ignoreSdpAfterOfferAnswerCompleted disable
set profiles signaling ipSignalingProfile GOOGLE_IPSP egressIpAttributes flags
includeEnumParameters disable

set profiles signaling ipSignalingProfile GOOGLE_IPSP egressIpAttributes flags monitorRtpOnEgressUpdate disable

set profiles signaling ipSignalingProfile GOOGLE_IPSP egressIpAttributes bci bciInterworkEncountered disable

set profiles signaling ipSignalingProfile GOOGLE_IPSP egressIpAttributes bci bciIsdnAddess disable

set profiles signaling ipSignalingProfile GOOGLE_IPSP egressIpAttributes domainName useSipDomainNameInFromField disable

set profiles signaling ipSignalingProfile GOOGLE_IPSP egressIpAttributes domainName useSipDomainNameInRequestUri disable

set profiles signaling ipSignalingProfile GOOGLE_IPSP egressIpAttributes domainName useZoneLevelDomainNameInContact disable

set profiles signaling ipSignalingProfile GOOGLE_IPSP egressIpAttributes domainName useIpSignalingPeerDomainInRequestUri disable

set profiles signaling ipSignalingProfile GOOGLE_IPSP egressIpAttributes domainName useZoneLevelDomainNameInPathHdr disable

set profiles signaling ipSignalingProfile GOOGLE_IPSP egressIpAttributes domainName useSipDomainInPAIHeader disable

set profiles signaling ipSignalingProfile GOOGLE_IPSP egressIpAttributes isub allowNsapIsub disable

set profiles signaling ipSignalingProfile GOOGLE_IPSP egressIpAttributes isub allowUserSpecifiedIsub disable

set profiles signaling ipSignalingProfile GOOGLE_IPSP egressIpAttributes isub includeCalledPartyIsub disable

set profiles signaling ipSignalingProfile GOOGLE_IPSP egressIpAttributes isub includeCallingPartyIsub disable

set profiles signaling ipSignalingProfile GOOGLE_IPSP egressIpAttributes numberPortabilityAttributes npdiOptions includeNpdiYes

set profiles signaling ipSignalingProfile GOOGLE_IPSP egressIpAttributes numberPortabilityAttributes disableRn disable

set profiles signaling ipSignalingProfile GOOGLE_IPSP egressIpAttributes privacy transparency disable

set profiles signaling ipSignalingProfile GOOGLE_IPSP egressIpAttributes privacy privacyInformation pAssertedId

set profiles signaling ipSignalingProfile GOOGLE_IPSP egressIpAttributes privacy flags includePrivacy enable

set profiles signaling ipSignalingProfile GOOGLE_IPSP egressIpAttributes privacy flags privacyRequiredByProxy disable

set profiles signaling ipSignalingProfile GOOGLE_IPSP egressIpAttributes privacy flags msLyncPrivacySupport disable

set profiles signaling ipSignalingProfile GOOGLE_IPSP egressIpAttributes privacy flags includeEmbeddedPAIheaderInRedirectedInvite disable

set profiles signaling ipSignalingProfile GOOGLE_IPSP egressIpAttributes redirect mode acceptRedirection

set profiles signaling ipSignalingProfile GOOGLE_IPSP egressIpAttributes redirect contactHandling mergeReceivedContacts
set profiles signaling ipSignalingProfile GOOGLE_IPSP egressIpAttributes redirect flags skipCrankbackProfileAndAlwaysCrankback disable
set profiles signaling ipSignalingProfile GOOGLE_IPSP egressIpAttributes redirect flags forceRequeryForRedirection disable
set profiles signaling ipSignalingProfile GOOGLE_IPSP egressIpAttributes redirect flags relayUnusedContactParams disable
set profiles signaling ipSignalingProfile GOOGLE_IPSP egressIpAttributes redirect flags honorEmbeddedHeadersIn3xx disable
set profiles signaling ipSignalingProfile GOOGLE_IPSP egressIpAttributes redirect flags enhancedLocalRedirection disable
set profiles signaling ipSignalingProfile GOOGLE_IPSP egressIpAttributes redirect flags skipDTGLookupFor3xxContact disable
set profiles signaling ipSignalingProfile GOOGLE_IPSP egressIpAttributes sipHeadersAndParameters callForwarding diversionHistoryInfoInterworking disable
set profiles signaling ipSignalingProfile GOOGLE_IPSP egressIpAttributes sipHeadersAndParameters callForwarding dataMapping diversion
set profiles signaling ipSignalingProfile GOOGLE_IPSP egressIpAttributes sipHeadersAndParameters callForwarding diversionHeaderTransparency disable
set profiles signaling ipSignalingProfile GOOGLE_IPSP egressIpAttributes sipHeadersAndParameters callForwarding historyInformation includeHistoryInformation disable
set profiles signaling ipSignalingProfile GOOGLE_IPSP egressIpAttributes sipHeadersAndParameters includeChargeInformation includeNone
set profiles signaling ipSignalingProfile GOOGLE_IPSP egressIpAttributes sipHeadersAndParameters sessionExpiresRefresher uac
set profiles signaling ipSignalingProfile GOOGLE_IPSP egressIpAttributes sipHeadersAndParameters sipToHeaderMapping none
set profiles signaling ipSignalingProfile GOOGLE_IPSP egressIpAttributes sipHeadersAndParameters destinationTrunkGroupOptions includeNone
set profiles signaling ipSignalingProfile GOOGLE_IPSP egressIpAttributes sipHeadersAndParameters originatingTrunkGroupOptions includeNone
set profiles signaling ipSignalingProfile GOOGLE_IPSP egressIpAttributes sipHeadersAndParameters generateCallIdUsing doNotUseIngressCallId
set profiles signaling ipSignalingProfile GOOGLE_IPSP egressIpAttributes sipHeadersAndParameters flags includeCic disable
set profiles signaling ipSignalingProfile GOOGLE_IPSP egressIpAttributes sipHeadersAndParameters flags includeCpcInformation disable
set profiles signaling ipSignalingProfile GOOGLE_IPSP egressIpAttributes sipHeadersAndParameters flags includeNpi disable
set profiles signaling ipSignalingProfile GOOGLE_IPSP egressIpAttributes sipHeadersAndParameters flags includeOlip disable
set profiles signaling ipSignalingProfile GOOGLE_IPSP egressIpAttributes sipHeadersAndParameters flags includePKAdn disable

set profiles signaling ipSignalingProfile GOOGLE_IPSP egressIpAttributes
sipHeadersAndParameters flags includePstnParameters disable
set profiles signaling ipSignalingProfile GOOGLE_IPSP egressIpAttributes
sipHeadersAndParameters flags includeQvalue disable
set profiles signaling ipSignalingProfile GOOGLE_IPSP egressIpAttributes
sipHeadersAndParameters flags skipCSeqCheckInEarlyDialog disable
set profiles signaling ipSignalingProfile GOOGLE_IPSP egressIpAttributes
sipHeadersAndParameters flags transparencyForDestinationTrunkGroupParameter disable
set profiles signaling ipSignalingProfile GOOGLE_IPSP egressIpAttributes
sipHeadersAndParameters flags endToEndAck disable
set profiles signaling ipSignalingProfile GOOGLE_IPSP egressIpAttributes transport type1
tlsOverTcp
set profiles signaling ipSignalingProfile GOOGLE_IPSP egressIpAttributes transport type2
none
set profiles signaling ipSignalingProfile GOOGLE_IPSP egressIpAttributes transport type3
none
set profiles signaling ipSignalingProfile GOOGLE_IPSP egressIpAttributes transport type4
none
set profiles signaling ipSignalingProfile GOOGLE_IPSP egressIpAttributes sipCauseMapping
internalToSipCauseMappingProfileName ""
set profiles signaling ipSignalingProfile GOOGLE_IPSP egressIpAttributes sipCauseMapping
sipToInternalCauseMappingProfileName ""
set profiles signaling ipSignalingProfile GOOGLE_IPSP ingressIpAttributes flags
sip181Supported disable
set profiles signaling ipSignalingProfile GOOGLE_IPSP ingressIpAttributes flags
sip182Supported disable
set profiles signaling ipSignalingProfile GOOGLE_IPSP ingressIpAttributes flags
mapCalledPartyCategoryInPSigInfoHeader disable
set profiles signaling ipSignalingProfile GOOGLE_IPSP ingressIpAttributes flags
noSdpIn180Supported disable
set profiles signaling ipSignalingProfile GOOGLE_IPSP ingressIpAttributes flags
registrationExpiresinExpiresHeader disable
set profiles signaling ipSignalingProfile GOOGLE_IPSP ingressIpAttributes flags
send183OnInitiatingDisconnectTreatment disable
set profiles signaling ipSignalingProfile GOOGLE_IPSP ingressIpAttributes flags
sendSdpIn200OkIf18xReliable disable
set profiles signaling ipSignalingProfile GOOGLE_IPSP ingressIpAttributes flags
sendSdpInSubsequent18x disable
set profiles signaling ipSignalingProfile GOOGLE_IPSP ingressIpAttributes flags
sendTLSConnectionFailureResponse disable
set profiles signaling ipSignalingProfile GOOGLE_IPSP ingressIpAttributes flags
suppress183For3xxRedirectResponse disable
set profiles signaling ipSignalingProfile GOOGLE_IPSP ingressIpAttributes flags
suppress183WithoutSdp disable

set profiles signaling ipSignalingProfile GOOGLE_IPSP ingressIpAttributes flags set-cut-through-indication-in-OBCI disable
set profiles signaling ipSignalingProfile GOOGLE_IPSP ingressIpAttributes flags sendUpdatedSDPin200Ok disable
set profiles signaling ipSignalingProfile GOOGLE_IPSP ingressIpAttributes carrierInformation generateTerminatingCa disable
set profiles signaling ipSignalingProfile GOOGLE_IPSP ingressIpAttributes carrierInformation generateTerminatingCic disable
set profiles signaling ipSignalingProfile GOOGLE_IPSP trfParameters preferredMrbUri ""
set profiles signaling ipSignalingProfile GOOGLE_IPSP trfParameters preferredTrfUri ""
commit

6.4.9 Codec

- Configure Codec settings as shown below.

set profiles media codecEntry G711-U codec g711
set profiles media codecEntry G711-U packetSize 20
set profiles media codecEntry G711-U fax failureHandling continue
set profiles media codecEntry G711-U fax toneTreatment faxRelayOrFallbackToG711
set profiles media codecEntry G711-U fax honorToneDetection disable
set profiles media codecEntry G711-U modem failureHandling continue
set profiles media codecEntry G711-U modem toneTreatment fallbackToG711
set profiles media codecEntry G711-U modem honorToneDetection disable
set profiles media codecEntry G711-U law ULaw
set profiles media codecEntry G711-U dtmf relay rfc2833
set profiles media codecEntry G711-U dtmf removeDigits enable
set profiles media codecEntry G711-A codec g711
set profiles media codecEntry G711-A packetSize 20
set profiles media codecEntry G711-A fax failureHandling continue
set profiles media codecEntry G711-A fax toneTreatment faxRelayOrFallbackToG711
set profiles media codecEntry G711-A fax honorToneDetection disable
set profiles media codecEntry G711-A modem failureHandling continue
set profiles media codecEntry G711-A modem toneTreatment fallbackToG711
set profiles media codecEntry G711-A modem honorToneDetection disable
set profiles media codecEntry G711-A law ALaw
set profiles media codecEntry G711-A dtmf relay rfc2833
set profiles media codecEntry G711-A dtmf removeDigits enable
commit

6.4.10 Packet Service Profile

- Configure Packet Service profile towards Google CCAI, OnPrem PBX and PSTN Gateway as shown below.

Cisco CUCM PBX:

set profiles media packetServiceProfile CCAI_PSP dataCalls preferredRtpDataPayloadType 56
set profiles media packetServiceProfile CCAI_PSP dataCalls initialPlayoutBufferDelay 50
set profiles media packetServiceProfile CCAI_PSP dataCalls packetSize 20
set profiles media packetServiceProfile CCAI_PSP silenceFactor 40
set profiles media packetServiceProfile CCAI_PSP typeOfService 0
set profiles media packetServiceProfile CCAI_PSP voiceInitialPlayoutBufferDelay 10
set profiles media packetServiceProfile CCAI_PSP rtcpOptions rtcp disable
set profiles media packetServiceProfile CCAI_PSP peerAbsenceAction none
set profiles media packetServiceProfile CCAI_PSP silenceInsertionDescriptor
g711SidRtpPayloadType 13
set profiles media packetServiceProfile CCAI_PSP silenceInsertionDescriptor heartbeat
enable
set profiles media packetServiceProfile CCAI_PSP aal1PayloadSize 47
set profiles media packetServiceProfile CCAI_PSP codec codecEntry1 G711-U
set profiles media packetServiceProfile CCAI_PSP codec codecEntry2 G711-A
set profiles media packetServiceProfile CCAI_PSP packetToPacketControl transcode
conditional
set profiles media packetServiceProfile CCAI_PSP packetToPacketControl
conditionsInAdditionToNoCommonCodec applyFaxToneTreatment disable
set profiles media packetServiceProfile CCAI_PSP packetToPacketControl
conditionsInAdditionToNoCommonCodec differentDtmfRelay disable
set profiles media packetServiceProfile CCAI_PSP packetToPacketControl
conditionsInAdditionToNoCommonCodec differentPacketSize disable
set profiles media packetServiceProfile CCAI_PSP packetToPacketControl
conditionsInAdditionToNoCommonCodec differentSilenceSuppression disable
set profiles media packetServiceProfile CCAI_PSP packetToPacketControl
conditionsInAdditionToNoCommonCodec honorOfferPreference disable
set profiles media packetServiceProfile CCAI_PSP packetToPacketControl
conditionsInAdditionToNoCommonCodec honorAnswerPreference disable
set profiles media packetServiceProfile CCAI_PSP packetToPacketControl
conditionsInAdditionToNoCommonCodec different2833PayloadType disable
set profiles media packetServiceProfile CCAI_PSP packetToPacketControl
codecsAllowedForTranscoding thisLeg g711a,g711u,g722,opus
set profiles media packetServiceProfile CCAI_PSP packetToPacketControl
codecsAllowedForTranscoding otherLeg g711a,g711u,g722,opus
set profiles media packetServiceProfile CCAI_PSP flags disallowDataCalls enable
set profiles media packetServiceProfile CCAI_PSP flags digitDetectSendEnabled disable
set profiles media packetServiceProfile CCAI_PSP flags useDirectMedia disable
set profiles media packetServiceProfile CCAI_PSP flags validatePeerSupportForDtmfEvents
disable
set profiles media packetServiceProfile CCAI_PSP flags interworkDtmfWithoutTranscoding
disable
set profiles media packetServiceProfile CCAI_PSP flags dscpPassthrough disable

set profiles media packetServiceProfile CCAI_PSP flags ssrcRandomize disable
set profiles media packetServiceProfile CCAI_PSP flags HDCodecPreferred disable
set profiles media packetServiceProfile CCAI_PSP flags MatchOfferedCodecGroupIfNbOnly disable
set profiles media packetServiceProfile CCAI_PSP flags forceRoutePSPOrder disable
set profiles media packetServiceProfile CCAI_PSP flags generateAndSignalSSRCAndCname disable
set profiles media packetServiceProfile CCAI_PSP flags mediaLockDownForPassThrough disable
set profiles media packetServiceProfile CCAI_PSP flags reserveBwForPreferredAudioCommonCodec disable
set profiles media packetServiceProfile CCAI_PSP flags policeOnHeaviestAudioCodec disable
set profiles media packetServiceProfile CCAI_PSP flags t140Call disable
set profiles media packetServiceProfile CCAI_PSP flags allowAudioTranscodeForMultiStreamCall disable
set profiles media packetServiceProfile CCAI_PSP flags vtpSupport disable
set profiles media packetServiceProfile CCAI_PSP flags ssrcRandomizeForSrtp disable
set profiles media packetServiceProfile CCAI_PSP t38 dataRateManagementType type2TransferOfTcf
set profiles media packetServiceProfile CCAI_PSP t38 ecm ecmPreferred disable
set profiles media packetServiceProfile CCAI_PSP t38 lowSpeedNumberOfRedundantPackets 1
set profiles media packetServiceProfile CCAI_PSP t38 maxBitRate 14.4Kbits_s
set profiles media packetServiceProfile CCAI_PSP t38 numberOfRedundantPackets 1
set profiles media packetServiceProfile CCAI_PSP t38 protocolVersion 0
set profiles media packetServiceProfile CCAI_PSP secureRtpRtcp flags allowFallback disable
set profiles media packetServiceProfile CCAI_PSP secureRtpRtcp flags enableSrtp disable
set profiles media packetServiceProfile CCAI_PSP secureRtpRtcp flags resetROCOnKeyChange disable
set profiles media packetServiceProfile CCAI_PSP secureRtpRtcp flags resetEncDecROCOnDecKeyChange disable
set profiles media packetServiceProfile CCAI_PSP secureRtpRtcp flags updateCryptoKeysOnModify disable
set profiles media packetServiceProfile CCAI_PSP secureRtpRtcp flags allowPassthru disable
set profiles media packetServiceProfile CCAI_PSP preferredRtpPayloadTypeForDtmfRelay 127
set profiles media packetServiceProfile CCAI_PSP videoCalls maxVideoBandwith 0
set profiles media packetServiceProfile CCAI_PSP videoCalls videoBandwidthReductionFactor 0
set profiles media packetServiceProfile CCAI_PSP videoCalls ipv4Tos 0
set profiles media packetServiceProfile CCAI_PSP videoCalls ipv6TrafficClass 0
set profiles media packetServiceProfile CCAI_PSP videoCalls ieee8021QVLanCos 0
set profiles media packetServiceProfile CCAI_PSP videoCalls audioOnlyIfVideoIsPrevented enable
set profiles media packetServiceProfile CCAI_PSP qosValues msrpDscp 0
set profiles media packetServiceProfile CCAI_PSP qosValues dtlsSctpDscp 0

set profiles media packetServiceProfile CCAI_PSP qosValues t140Dscp 0
set profiles media packetServiceProfile CCAI_PSP qosValues applicationDscp 0
set profiles media packetServiceProfile CCAI_PSP nonRtpStream maxNonRtpBandwidth 0
set profiles media packetServiceProfile CCAI_PSP nonRtpStream nonRtpTlsProfileName
defaultTlsProfile
set profiles media packetServiceProfile CCAI_PSP audioTransparency
unknownCodecPacketSize 10
set profiles media packetServiceProfile CCAI_PSP audioTransparency unknownCodecBitRate
124
set profiles media packetServiceProfile CCAI_PSP mediaPacketCos 0
set profiles media packetServiceProfile CCAI_PSP honorRemotePrecedence disable
set profiles media packetServiceProfile CCAI_PSP sendRoutePSPPrecedence disable
set profiles media packetServiceProfile CCAI_PSP dtls dtlsFlags allowDtlsFallback disable
set profiles media packetServiceProfile CCAI_PSP dtls dtlsFlags enableDtlsSrtp disable
set profiles media packetServiceProfile CCAI_PSP dtls dtlsFlags dtlsSctpRelay disable
commit

PSTN Gateway:

set profiles media packetServiceProfile DEFAULT dataCalls preferredRtpDataPayloadType 56
set profiles media packetServiceProfile DEFAULT dataCalls initialPlayoutBufferDelay 50
set profiles media packetServiceProfile DEFAULT dataCalls packetSize 20
set profiles media packetServiceProfile DEFAULT silenceFactor 40
set profiles media packetServiceProfile DEFAULT typeOfService 0
set profiles media packetServiceProfile DEFAULT voiceInitialPlayoutBufferDelay 10
set profiles media packetServiceProfile DEFAULT rtcpOptions rtcp disable
set profiles media packetServiceProfile DEFAULT peerAbsenceAction none
set profiles media packetServiceProfile DEFAULT silenceInsertionDescriptor
g711SidRtpPayloadType 19
set profiles media packetServiceProfile DEFAULT silenceInsertionDescriptor heartbeat enable
set profiles media packetServiceProfile DEFAULT aal1PayloadSize 47
set profiles media packetServiceProfile DEFAULT codec codecEntry1 G711-U
set profiles media packetServiceProfile DEFAULT codec codecEntry2 G711-A
set profiles media packetServiceProfile DEFAULT packetToPacketControl transcode
conditional
set profiles media packetServiceProfile DEFAULT packetToPacketControl
conditionsInAdditionToNoCommonCodec applyFaxToneTreatment disable
set profiles media packetServiceProfile DEFAULT packetToPacketControl
conditionsInAdditionToNoCommonCodec differentDtmfRelay disable
set profiles media packetServiceProfile DEFAULT packetToPacketControl
conditionsInAdditionToNoCommonCodec differentPacketSize disable
set profiles media packetServiceProfile DEFAULT packetToPacketControl
conditionsInAdditionToNoCommonCodec differentSilenceSuppression disable
set profiles media packetServiceProfile DEFAULT packetToPacketControl
conditionsInAdditionToNoCommonCodec honorOfferPreference disable

set profiles media packetServiceProfile DEFAULT packetToPacketControl
conditionsInAdditionToNoCommonCodec honorAnswerPreference disable
set profiles media packetServiceProfile DEFAULT packetToPacketControl
conditionsInAdditionToNoCommonCodec different2833PayloadType disable
set profiles media packetServiceProfile DEFAULT packetToPacketControl
codecsAllowedForTranscoding thisLeg ""
set profiles media packetServiceProfile DEFAULT packetToPacketControl
codecsAllowedForTranscoding otherLeg ""
set profiles media packetServiceProfile DEFAULT flags disallowDataCalls disable
set profiles media packetServiceProfile DEFAULT flags digitDetectSendEnabled disable
set profiles media packetServiceProfile DEFAULT flags useDirectMedia disable
set profiles media packetServiceProfile DEFAULT flags validatePeerSupportForDtmfEvents
disable
set profiles media packetServiceProfile DEFAULT flags interworkDtmfWithoutTranscoding
disable
set profiles media packetServiceProfile DEFAULT flags dscpPassthrough disable
set profiles media packetServiceProfile DEFAULT flags ssrcRandomize disable
set profiles media packetServiceProfile DEFAULT flags HDCodecPreferred disable
set profiles media packetServiceProfile DEFAULT flags MatchOfferedCodecGroupIfNbOnly
disable
set profiles media packetServiceProfile DEFAULT flags forceRoutePSPOrder disable
set profiles media packetServiceProfile DEFAULT flags generateAndSignalSSRCAndCname
disable
set profiles media packetServiceProfile DEFAULT flags mediaLockDownForPassThrough
disable
set profiles media packetServiceProfile DEFAULT flags
reserveBwForPreferredAudioCommonCodec disable
set profiles media packetServiceProfile DEFAULT flags policeOnHeaviestAudioCodec disable
set profiles media packetServiceProfile DEFAULT flags t140Call disable
set profiles media packetServiceProfile DEFAULT flags
allowAudioTranscodeForMultiStreamCall disable
set profiles media packetServiceProfile DEFAULT flags vtpSupport disable
set profiles media packetServiceProfile DEFAULT flags ssrcRandomizeForSrtp disable
set profiles media packetServiceProfile DEFAULT t38 dataRateManagementType
type2TransferOfTcf
set profiles media packetServiceProfile DEFAULT t38 ecm ecmPreferred disable
set profiles media packetServiceProfile DEFAULT t38 lowSpeedNumberOfRedundantPackets 1
set profiles media packetServiceProfile DEFAULT t38 maxBitRate 14.4Kbits_s
set profiles media packetServiceProfile DEFAULT t38 numberOfRedundantPackets 1
set profiles media packetServiceProfile DEFAULT t38 protocolVersion 0
set profiles media packetServiceProfile DEFAULT secureRtpRtcp flags allowFallback disable
set profiles media packetServiceProfile DEFAULT secureRtpRtcp flags enableSrtp disable
set profiles media packetServiceProfile DEFAULT secureRtpRtcp flags
resetROCOnKeyChange disable

set profiles media packetServiceProfile DEFAULT secureRtpRtcp flags
resetEncDecROCOnDecKeyChange disable
set profiles media packetServiceProfile DEFAULT secureRtpRtcp flags
updateCryptoKeysOnModify disable
set profiles media packetServiceProfile DEFAULT secureRtpRtcp flags allowPassthru disable
set profiles media packetServiceProfile DEFAULT preferredRtpPayloadTypeForDtmfRelay 128
set profiles media packetServiceProfile DEFAULT videoCalls maxVideoBandwith 0
set profiles media packetServiceProfile DEFAULT videoCalls videoBandwidthReductionFactor
0
set profiles media packetServiceProfile DEFAULT videoCalls ipv4Tos 0
set profiles media packetServiceProfile DEFAULT videoCalls ipv6TrafficClass 0
set profiles media packetServiceProfile DEFAULT videoCalls ieee8021QVLanCos 0
set profiles media packetServiceProfile DEFAULT videoCalls audioOnlyIfVideoIsPrevented
enable
set profiles media packetServiceProfile DEFAULT qosValues msrpDscp 0
set profiles media packetServiceProfile DEFAULT qosValues dtlsSctpDscp 0
set profiles media packetServiceProfile DEFAULT qosValues t140Dscp 0
set profiles media packetServiceProfile DEFAULT qosValues applicationDscp 0
set profiles media packetServiceProfile DEFAULT nonRtpStream maxNonRtpBandwidth 0
set profiles media packetServiceProfile DEFAULT audioTransparency
unknownCodecPacketSize 10
set profiles media packetServiceProfile DEFAULT audioTransparency unknownCodecBitRate
124
set profiles media packetServiceProfile DEFAULT mediaPacketCos 0
set profiles media packetServiceProfile DEFAULT honorRemotePrecedence disable
set profiles media packetServiceProfile DEFAULT sendRoutePSPPrecedence disable
set profiles media packetServiceProfile DEFAULT dtls dtlsFlags allowDtlsFallback disable
set profiles media packetServiceProfile DEFAULT dtls dtlsFlags enableDtlsSrtp disable
set profiles media packetServiceProfile DEFAULT dtls dtlsFlags dtlsSctpRelay disable
commit

Google CCAI:

set profiles media packetServiceProfile GOOGLE_PSP dataCalls
preferredRtpDataPayloadType 56
set profiles media packetServiceProfile GOOGLE_PSP dataCalls initialPlayoutBufferDelay 50
set profiles media packetServiceProfile GOOGLE_PSP dataCalls packetSize 20
set profiles media packetServiceProfile GOOGLE_PSP silenceFactor 40
set profiles media packetServiceProfile GOOGLE_PSP typeOfService 0
set profiles media packetServiceProfile GOOGLE_PSP voiceInitialPlayoutBufferDelay 10
set profiles media packetServiceProfile GOOGLE_PSP rtcpOptions rtcp enable
set profiles media packetServiceProfile GOOGLE_PSP rtcpOptions
terminationForPassthrough disable
set profiles media packetServiceProfile GOOGLE_PSP rtcpOptions enableRTCPForHeldCalls
disable

```
set profiles media packetServiceProfile GOOGLE_PSP rtcpOptions rtcpMux enable
set profiles media packetServiceProfile GOOGLE_PSP rtcpOptions packetLossThreshold 0
set profiles media packetServiceProfile GOOGLE_PSP rtcpOptions rrBandwidth 250
set profiles media packetServiceProfile GOOGLE_PSP rtcpOptions rsBandwidth 250
set profiles media packetServiceProfile GOOGLE_PSP rtcpOptions packetLossAction none
set profiles media packetServiceProfile GOOGLE_PSP rtcpOptions rtcpXr disable
set profiles media packetServiceProfile GOOGLE_PSP rtcpOptions
generateRtcpForT140IfNotReceivedFromOtherLeg disable
set profiles media packetServiceProfile GOOGLE_PSP peerAbsenceAction none
set profiles media packetServiceProfile GOOGLE_PSP silenceInsertionDescriptor
g711SidRtpPayloadType 13
set profiles media packetServiceProfile GOOGLE_PSP silenceInsertionDescriptor heartbeat
enable
set profiles media packetServiceProfile GOOGLE_PSP aal1PayloadSize 47
set profiles media packetServiceProfile GOOGLE_PSP codec codecEntry1 G711-U
set profiles media packetServiceProfile GOOGLE_PSP packetToPacketControl transcode
conditional
set profiles media packetServiceProfile GOOGLE_PSP packetToPacketControl
conditionsInAdditionToNoCommonCodec applyFaxToneTreatment disable
set profiles media packetServiceProfile GOOGLE_PSP packetToPacketControl
conditionsInAdditionToNoCommonCodec differentDtmfRelay disable
set profiles media packetServiceProfile GOOGLE_PSP packetToPacketControl
conditionsInAdditionToNoCommonCodec differentPacketSize disable
set profiles media packetServiceProfile GOOGLE_PSP packetToPacketControl
conditionsInAdditionToNoCommonCodec differentSilenceSuppression disable
set profiles media packetServiceProfile GOOGLE_PSP packetToPacketControl
conditionsInAdditionToNoCommonCodec honorOfferPreference disable
set profiles media packetServiceProfile GOOGLE_PSP packetToPacketControl
conditionsInAdditionToNoCommonCodec honorAnswerPreference disable
set profiles media packetServiceProfile GOOGLE_PSP packetToPacketControl
conditionsInAdditionToNoCommonCodec different2833PayloadType disable
set profiles media packetServiceProfile GOOGLE_PSP packetToPacketControl
codecsAllowedForTranscoding thisLeg g711a,g711u,g722,opus
set profiles media packetServiceProfile GOOGLE_PSP packetToPacketControl
codecsAllowedForTranscoding otherLeg g711a,g711u,g722,opus
set profiles media packetServiceProfile GOOGLE_PSP flags disallowDataCalls disable
set profiles media packetServiceProfile GOOGLE_PSP flags digitDetectSendEnabled disable
set profiles media packetServiceProfile GOOGLE_PSP flags useDirectMedia disable
set profiles media packetServiceProfile GOOGLE_PSP flags
validatePeerSupportForDtmfEvents disable
set profiles media packetServiceProfile GOOGLE_PSP flags
interworkDtmfWithoutTranscoding disable
set profiles media packetServiceProfile GOOGLE_PSP flags dscpPassthrough disable
set profiles media packetServiceProfile GOOGLE_PSP flags ssrcRandomize disable
set profiles media packetServiceProfile GOOGLE_PSP flags HDCodecPreferred disable
```

set profiles media packetServiceProfile GOOGLE_PSP flags MatchOfferedCodecGroupIfNbOnly disable
set profiles media packetServiceProfile GOOGLE_PSP flags forceRoutePSPOrder disable
set profiles media packetServiceProfile GOOGLE_PSP flags generateAndSignalSSRCAndCname disable
set profiles media packetServiceProfile GOOGLE_PSP flags mediaLockDownForPassThrough disable
set profiles media packetServiceProfile GOOGLE_PSP flags reserveBwForPreferredAudioCommonCodec disable
set profiles media packetServiceProfile GOOGLE_PSP flags policeOnHeaviestAudioCodec disable
set profiles media packetServiceProfile GOOGLE_PSP flags t140Call disable
set profiles media packetServiceProfile GOOGLE_PSP flags allowAudioTranscodeForMultiStreamCall disable
set profiles media packetServiceProfile GOOGLE_PSP flags vtpSupport disable
set profiles media packetServiceProfile GOOGLE_PSP flags ssrcRandomizeForSrtp enable
set profiles media packetServiceProfile GOOGLE_PSP t38 dataRateManagementType type2TransferOfTcf
set profiles media packetServiceProfile GOOGLE_PSP t38 ecm ecmPreferred disable
set profiles media packetServiceProfile GOOGLE_PSP t38 lowSpeedNumberOfRedundantPackets 1
set profiles media packetServiceProfile GOOGLE_PSP t38 maxBitRate 14.4Kbits_s
set profiles media packetServiceProfile GOOGLE_PSP t38 numberOfRedundantPackets 1
set profiles media packetServiceProfile GOOGLE_PSP t38 protocolVersion 0
set profiles media packetServiceProfile GOOGLE_PSP secureRtpRtcp cryptoSuiteProfile DEFAULT
set profiles media packetServiceProfile GOOGLE_PSP secureRtpRtcp flags allowFallback disable
set profiles media packetServiceProfile GOOGLE_PSP secureRtpRtcp flags enableSrtp disable
set profiles media packetServiceProfile GOOGLE_PSP secureRtpRtcp flags resetROCOnKeyChange disable
set profiles media packetServiceProfile GOOGLE_PSP secureRtpRtcp flags resetEncDecROCOnDecKeyChange disable
set profiles media packetServiceProfile GOOGLE_PSP secureRtpRtcp flags updateCryptoKeysOnModify disable
set profiles media packetServiceProfile GOOGLE_PSP secureRtpRtcp flags allowPassthru disable
set profiles media packetServiceProfile GOOGLE_PSP preferredRtpPayloadTypeForDtmfRelay 127
set profiles media packetServiceProfile GOOGLE_PSP videoCalls maxVideoBandwith 0
set profiles media packetServiceProfile GOOGLE_PSP videoCalls videoBandwidthReductionFactor 0
set profiles media packetServiceProfile GOOGLE_PSP videoCalls ipv4Tos 0
set profiles media packetServiceProfile GOOGLE_PSP videoCalls ipv6TrafficClass 0
set profiles media packetServiceProfile GOOGLE_PSP videoCalls ieee8021QVLanCos 0

set profiles media packetServiceProfile GOOGLE_PSP videoCalls
audioOnlyIfVideoIsPrevented enable
set profiles media packetServiceProfile GOOGLE_PSP qosValues msrpDscp 0
set profiles media packetServiceProfile GOOGLE_PSP qosValues dtlsSctpDscp 0
set profiles media packetServiceProfile GOOGLE_PSP qosValues t140Dscp 0
set profiles media packetServiceProfile GOOGLE_PSP qosValues applicationDscp 0
set profiles media packetServiceProfile GOOGLE_PSP nonRtpStream maxNonRtpBandwidth 0
set profiles media packetServiceProfile GOOGLE_PSP nonRtpStream nonRtpTlsProfileName
defaultTlsProfile
set profiles media packetServiceProfile GOOGLE_PSP audioTransparency
unknownCodecPacketSize 10
set profiles media packetServiceProfile GOOGLE_PSP audioTransparency
unknownCodecBitRate 124
set profiles media packetServiceProfile GOOGLE_PSP mediaPacketCos 0
set profiles media packetServiceProfile GOOGLE_PSP honorRemotePrecedence disable
set profiles media packetServiceProfile GOOGLE_PSP sendRoutePSPPrecedence disable
set profiles media packetServiceProfile GOOGLE_PSP dtls dtlsFlags allowDtlsFallback disable
set profiles media packetServiceProfile GOOGLE_PSP dtls dtlsFlags enableDtlsSrtp disable
set profiles media packetServiceProfile GOOGLE_PSP dtls dtlsFlags dtlsSctpRelay disable
commit

6.4.11 Routing Label

- Configure Routing Label towards Google CCAI, OnPrem PBX and PSTN Gateway as shown below.

Cisco CUCM PBX:

set global callRouting routingLabel PBX_RL overflowNumber ""
set global callRouting routingLabel PBX_RL overflowNOA none
set global callRouting routingLabel PBX_RL overflowNPI none
set global callRouting routingLabel PBX_RL routePrioritizationType sequence
set global callRouting routingLabel PBX_RL action routes
set global callRouting routingLabel PBX_RL numRoutesPerCall 10
set global callRouting routingLabel PBX_RL routingLabelRoute 0 routeType trunkGroup
set global callRouting routingLabel PBX_RL routingLabelRoute 0 trunkGroup PBX_TG
set global callRouting routingLabel PBX_RL routingLabelRoute 0 ipPeer PBX_IPP
set global callRouting routingLabel PBX_RL routingLabelRoute 0 proportion 0
set global callRouting routingLabel PBX_RL routingLabelRoute 0 cost 1000000
set global callRouting routingLabel PBX_RL routingLabelRoute 0 inService inService
set global callRouting routingLabel PBX_RL routingLabelRoute 0 testing normal
commit

PSTN Gateway:

set global callRouting routingLabel PSTN_RL overflowNumber ""
set global callRouting routingLabel PSTN_RL overflowNOA none
set global callRouting routingLabel PSTN_RL overflowNPI none
set global callRouting routingLabel PSTN_RL routePrioritizationType sequence
set global callRouting routingLabel PSTN_RL action routes
set global callRouting routingLabel PSTN_RL numRoutesPerCall 10
set global callRouting routingLabel PSTN_RL routingLabelRoute 2 routeType trunkGroup
set global callRouting routingLabel PSTN_RL routingLabelRoute 2 trunkGroup PSTN_TG
set global callRouting routingLabel PSTN_RL routingLabelRoute 2 ipPeer PSTN_IPP
set global callRouting routingLabel PSTN_RL routingLabelRoute 2 proportion 0
set global callRouting routingLabel PSTN_RL routingLabelRoute 2 cost 1000000
set global callRouting routingLabel PSTN_RL routingLabelRoute 2 inService inService
set global callRouting routingLabel PSTN_RL routingLabelRoute 2 testing normal
commit

Google CCAI:

set global callRouting routingLabel GOOGLE_RL overflowNumber ""
set global callRouting routingLabel GOOGLE_RL overflowNOA none
set global callRouting routingLabel GOOGLE_RL overflowNPI none
set global callRouting routingLabel GOOGLE_RL routePrioritizationType sequence
set global callRouting routingLabel GOOGLE_RL action routes
set global callRouting routingLabel GOOGLE_RL numRoutesPerCall 10
set global callRouting routingLabel GOOGLE_RL routingLabelRoute 0 routeType trunkGroup
set global callRouting routingLabel GOOGLE_RL routingLabelRoute 0 trunkGroup
GOOGLE_TG
set global callRouting routingLabel GOOGLE_RL routingLabelRoute 0 ipPeer GOOGLE
set global callRouting routingLabel GOOGLE_RL routingLabelRoute 0 proportion 0
set global callRouting routingLabel GOOGLE_RL routingLabelRoute 0 cost 1000000
set global callRouting routingLabel GOOGLE_RL routingLabelRoute 0 inService inService
set global callRouting routingLabel GOOGLE_RL routingLabelRoute 0 testing normal
commit

6.4.12 Route

- Configure Route settings as shown below.

set global callRouting route none Sonus_NULL Sonus_NULL standard 214 1 all all ALL none
Sonus_NULL routingLabel PSTN_RL
set global callRouting route none Sonus_NULL Sonus_NULL standard 972852 1 all all ALL none
Sonus_NULL routingLabel PBX_RL

6.4.13SIP Message Manipulations

The following SIP manipulation changes the Req URI, To header along with an addition of Call-Info header towards Google CCAI.

Automatic Call-ID insertion on Call-Info header as per Google CCAI requirement.

➢ The Call-ID header in the INVITE message follows the pattern ([a-zA-Z0-9]+)_([a-zA-Z0-9]+)_([a-zA-Z0-9]+) and is stored in a local variable named var1.

➢ A new Call-Info header is added with the value: "<http://dialogflow.googleapis.com/v2beta1/projects/ccai-389811/conversations/SO_CALLID>;purpose=Goog-ContactCenter-Conversation"

➢ The placeholder CALLID in the URL is dynamically replaced with the value of the var1 variable wherever it appears..

```
set profiles signaling sipAdaptorProfile GOOGLE_ADP state enabled
set profiles signaling sipAdaptorProfile GOOGLE_ADP advancedSMM enabled
set profiles signaling sipAdaptorProfile GOOGLE_ADP rule 1 applyMatchHeader one
set profiles signaling sipAdaptorProfile GOOGLE_ADP rule 1 criterion 1 type message
set profiles signaling sipAdaptorProfile GOOGLE_ADP rule 1 criterion 1 message
set profiles signaling sipAdaptorProfile GOOGLE_ADP rule 1 criterion 1 message
messageTypes request
set profiles signaling sipAdaptorProfile GOOGLE_ADP rule 1 criterion 1 message methodTypes
[ cancel invite ack ]
set profiles signaling sipAdaptorProfile GOOGLE_ADP rule 1 criterion 2 type header
set profiles signaling sipAdaptorProfile GOOGLE_ADP rule 1 criterion 2 header
set profiles signaling sipAdaptorProfile GOOGLE_ADP rule 1 criterion 2 header name request-
line
set profiles signaling sipAdaptorProfile GOOGLE_ADP rule 1 criterion 2 header condition exist
set profiles signaling sipAdaptorProfile GOOGLE_ADP rule 1 criterion 2 header
numberOfInstances number 1
set profiles signaling sipAdaptorProfile GOOGLE_ADP rule 1 criterion 2 header
numberOfInstances qualifier equal
set profiles signaling sipAdaptorProfile GOOGLE_ADP rule 1 action 1 type header
set profiles signaling sipAdaptorProfile GOOGLE_ADP rule 1 action 1 operation regsub
set profiles signaling sipAdaptorProfile GOOGLE_ADP rule 1 action 1 headerInfo headerValue
set profiles signaling sipAdaptorProfile GOOGLE_ADP rule 1 action 1 from
set profiles signaling sipAdaptorProfile GOOGLE_ADP rule 1 action 1 from type value
set profiles signaling sipAdaptorProfile GOOGLE_ADP rule 1 action 1 from value
sip:+18334490619@us.telephony.goog:5672
set profiles signaling sipAdaptorProfile GOOGLE_ADP rule 1 action 1 to
set profiles signaling sipAdaptorProfile GOOGLE_ADP rule 1 action 1 to type header
set profiles signaling sipAdaptorProfile GOOGLE_ADP rule 1 action 1 to value request-line
set profiles signaling sipAdaptorProfile GOOGLE_ADP rule 1 action 1 regexp
```

set profiles signaling sipAdaptorProfile GOOGLE_ADP rule 1 action 1 regexp string sip:SIPREC-SRS@74.125.88.132:5672

set profiles signaling sipAdaptorProfile GOOGLE_ADP rule 1 action 1 regexp matchInstance one

set profiles signaling sipAdaptorProfile GOOGLE_ADP rule 2 applyMatchHeader one

set profiles signaling sipAdaptorProfile GOOGLE_ADP rule 2 criterion 1 type message

set profiles signaling sipAdaptorProfile GOOGLE_ADP rule 2 criterion 1 message

set profiles signaling sipAdaptorProfile GOOGLE_ADP rule 2 criterion 1 message messageTypes request

set profiles signaling sipAdaptorProfile GOOGLE_ADP rule 2 criterion 1 message methodTypes [cancel invite ack]

set profiles signaling sipAdaptorProfile GOOGLE_ADP rule 2 criterion 2 type header

set profiles signaling sipAdaptorProfile GOOGLE_ADP rule 2 criterion 2 header

set profiles signaling sipAdaptorProfile GOOGLE_ADP rule 2 criterion 2 header name To

set profiles signaling sipAdaptorProfile GOOGLE_ADP rule 2 criterion 2 header condition exist

set profiles signaling sipAdaptorProfile GOOGLE_ADP rule 2 criterion 2 header numberOfInstances number 1

set profiles signaling sipAdaptorProfile GOOGLE_ADP rule 2 criterion 2 header numberOfInstances qualifier equal

set profiles signaling sipAdaptorProfile GOOGLE_ADP rule 2 action 1 type header

set profiles signaling sipAdaptorProfile GOOGLE_ADP rule 2 action 1 operation regsub

set profiles signaling sipAdaptorProfile GOOGLE_ADP rule 2 action 1 headerInfo headerValue

set profiles signaling sipAdaptorProfile GOOGLE_ADP rule 2 action 1 from

set profiles signaling sipAdaptorProfile GOOGLE_ADP rule 2 action 1 from type value

set profiles signaling sipAdaptorProfile GOOGLE_ADP rule 2 action 1 from value sip:+18334490619@us.telephony.goog

set profiles signaling sipAdaptorProfile GOOGLE_ADP rule 2 action 1 to

set profiles signaling sipAdaptorProfile GOOGLE_ADP rule 2 action 1 to type header

set profiles signaling sipAdaptorProfile GOOGLE_ADP rule 2 action 1 to value to

set profiles signaling sipAdaptorProfile GOOGLE_ADP rule 2 action 1 regexp

set profiles signaling sipAdaptorProfile GOOGLE_ADP rule 2 action 1 regexp string sip:SIPREC-SRS@us.telephony.goog

set profiles signaling sipAdaptorProfile GOOGLE_ADP rule 2 action 1 regexp matchInstance one

set profiles signaling sipAdaptorProfile GOOGLE_ADP rule 3 applyMatchHeader one

set profiles signaling sipAdaptorProfile GOOGLE_ADP rule 3 criterion 1 type message

set profiles signaling sipAdaptorProfile GOOGLE_ADP rule 3 criterion 1 message

set profiles signaling sipAdaptorProfile GOOGLE_ADP rule 3 criterion 1 message messageTypes request

set profiles signaling sipAdaptorProfile GOOGLE_ADP rule 3 criterion 1 message methodTypes [invite]

set profiles signaling sipAdaptorProfile GOOGLE_ADP rule 3 criterion 2 type header

set profiles signaling sipAdaptorProfile GOOGLE_ADP rule 3 criterion 2 header

set profiles signaling sipAdaptorProfile GOOGLE_ADP rule 3 criterion 2 header name Call-ID

set profiles signaling sipAdaptorProfile GOOGLE_ADP rule 3 criterion 2 header condition exist

set profiles signaling sipAdaptorProfile GOOGLE_ADP rule 3 criterion 2 header hdrInstance one
set profiles signaling sipAdaptorProfile GOOGLE_ADP rule 3 action 1 type header
set profiles signaling sipAdaptorProfile GOOGLE_ADP rule 3 action 1 operation add
set profiles signaling sipAdaptorProfile GOOGLE_ADP rule 3 action 1 headerPosition last
set profiles signaling sipAdaptorProfile GOOGLE_ADP rule 3 action 1 from
set profiles signaling sipAdaptorProfile GOOGLE_ADP rule 3 action 1 from type value
set profiles signaling sipAdaptorProfile GOOGLE_ADP rule 3 action 1 from value "<http://dialogflow.googleapis.com/v2beta1/projects/ccai-389811/conversations/SO_CALLID>;purpose=Goog-ContactCenter-Conversation "
set profiles signaling sipAdaptorProfile GOOGLE_ADP rule 3 action 1 to
set profiles signaling sipAdaptorProfile GOOGLE_ADP rule 3 action 1 to type header
set profiles signaling sipAdaptorProfile GOOGLE_ADP rule 3 action 1 to value Call-info
set profiles signaling sipAdaptorProfile GOOGLE_ADP rule 3 action 2 type header
set profiles signaling sipAdaptorProfile GOOGLE_ADP rule 3 action 2 operation regstore
set profiles signaling sipAdaptorProfile GOOGLE_ADP rule 3 action 2 headerInfo headerValue
set profiles signaling sipAdaptorProfile GOOGLE_ADP rule 3 action 2 from
set profiles signaling sipAdaptorProfile GOOGLE_ADP rule 3 action 2 from type header
set profiles signaling sipAdaptorProfile GOOGLE_ADP rule 3 action 2 from value Call-ID
set profiles signaling sipAdaptorProfile GOOGLE_ADP rule 3 action 2 to
set profiles signaling sipAdaptorProfile GOOGLE_ADP rule 3 action 2 to type variable
set profiles signaling sipAdaptorProfile GOOGLE_ADP rule 3 action 2 to variableValue var1
set profiles signaling sipAdaptorProfile GOOGLE_ADP rule 3 action 2 to variableScopeValue local
set profiles signaling sipAdaptorProfile GOOGLE_ADP rule 3 action 2 regexp
set profiles signaling sipAdaptorProfile GOOGLE_ADP rule 3 action 2 regexp string ([a-zA-Z0-9]+)_([a-zA-Z0-9]+)_([a-zA-Z0-9]+)
set profiles signaling sipAdaptorProfile GOOGLE_ADP rule 3 action 2 regexp matchInstance one
set profiles signaling sipAdaptorProfile GOOGLE_ADP rule 4 applyMatchHeader one
set profiles signaling sipAdaptorProfile GOOGLE_ADP rule 4 criterion 1 type message
set profiles signaling sipAdaptorProfile GOOGLE_ADP rule 4 criterion 1 message
set profiles signaling sipAdaptorProfile GOOGLE_ADP rule 4 criterion 1 message messageTypes request
set profiles signaling sipAdaptorProfile GOOGLE_ADP rule 4 criterion 1 message methodTypes [invite]
set profiles signaling sipAdaptorProfile GOOGLE_ADP rule 4 criterion 2 type header
set profiles signaling sipAdaptorProfile GOOGLE_ADP rule 4 criterion 2 header
set profiles signaling sipAdaptorProfile GOOGLE_ADP rule 4 criterion 2 header name Call-info
set profiles signaling sipAdaptorProfile GOOGLE_ADP rule 4 criterion 2 header condition exist
set profiles signaling sipAdaptorProfile GOOGLE_ADP rule 4 criterion 2 header hdrInstance all
set profiles signaling sipAdaptorProfile GOOGLE_ADP rule 4 action 1 type header
set profiles signaling sipAdaptorProfile GOOGLE_ADP rule 4 action 1 operation regsub
set profiles signaling sipAdaptorProfile GOOGLE_ADP rule 4 action 1 headerInfo headerValue
set profiles signaling sipAdaptorProfile GOOGLE_ADP rule 4 action 1 from

set profiles signaling sipAdaptorProfile GOOGLE_ADP rule 4 action 1 from type variable
set profiles signaling sipAdaptorProfile GOOGLE_ADP rule 4 action 1 from variableValue var1
set profiles signaling sipAdaptorProfile GOOGLE_ADP rule 4 action 1 to
set profiles signaling sipAdaptorProfile GOOGLE_ADP rule 4 action 1 to type header
set profiles signaling sipAdaptorProfile GOOGLE_ADP rule 4 action 1 to value Call-info
set profiles signaling sipAdaptorProfile GOOGLE_ADP rule 4 action 1 regexp
set profiles signaling sipAdaptorProfile GOOGLE_ADP rule 4 action 1 regexp string CALLID
set profiles signaling sipAdaptorProfile GOOGLE_ADP rule 4 action 1 regexp matchInstance all
set profiles signaling sipAdaptorProfile GOOGLE_ADP rule 5 applyMatchHeader one
set profiles signaling sipAdaptorProfile GOOGLE_ADP rule 5 criterion 1 type message
set profiles signaling sipAdaptorProfile GOOGLE_ADP rule 5 criterion 1 message
set profiles signaling sipAdaptorProfile GOOGLE_ADP rule 5 criterion 1 message
messageTypes request
set profiles signaling sipAdaptorProfile GOOGLE_ADP rule 5 criterion 1 message
methodTypes [invite]
set profiles signaling sipAdaptorProfile GOOGLE_ADP rule 5 criterion 2 type header
set profiles signaling sipAdaptorProfile GOOGLE_ADP rule 5 criterion 2 header
set profiles signaling sipAdaptorProfile GOOGLE_ADP rule 5 criterion 2 header name Session-
Expires
set profiles signaling sipAdaptorProfile GOOGLE_ADP rule 5 criterion 2 header condition exist
set profiles signaling sipAdaptorProfile GOOGLE_ADP rule 5 criterion 2 header hdrInstance all
set profiles signaling sipAdaptorProfile GOOGLE_ADP rule 5 action 1 type header
set profiles signaling sipAdaptorProfile GOOGLE_ADP rule 5 action 1 operation modify
set profiles signaling sipAdaptorProfile GOOGLE_ADP rule 5 action 1 headerInfo headerValue
set profiles signaling sipAdaptorProfile GOOGLE_ADP rule 5 action 1 from
set profiles signaling sipAdaptorProfile GOOGLE_ADP rule 5 action 1 from type value
set profiles signaling sipAdaptorProfile GOOGLE_ADP rule 5 action 1 from value
"1800;refresher=uac"
set profiles signaling sipAdaptorProfile GOOGLE_ADP rule 5 action 1 to
set profiles signaling sipAdaptorProfile GOOGLE_ADP rule 5 action 1 to type header
set profiles signaling sipAdaptorProfile GOOGLE_ADP rule 5 action 1 to value Session-Expires
commit

6.4.14   SIP Message Manipulation (Participation Label)

The following SIP manipulation modifies the Call-Info header to insert a new header pattern for testing the participation label as part of Test Case 31.

➢ The Call-ID that matches the pattern ([a-zA-Z0-9]+)_([a-zA-Z0-9]+)_([a-zA-Z0-9]+) is captured and stored in a variable named var1.
➢ A participation label *?roles=HUMAN_AGENT,END_USER* is then appended to this Call-ID, and the resulting string updates the value of var1.
➢ This updated var1 is used to replace the CALLID placeholder within the Call-Info header.
➢ The resulting Call-Info header will be:

Call-Info: <http://dialogflow.googleapis.com/v2beta1/projects/ccai-389811/conversations/SO_XXX_XXX_XXX?roles=HUMAN_AGENT,END_USER>;purpose=Goog-ContactCenter-Conversation

set profiles signaling sipAdaptorProfile Google_ADP_new state enabled
set profiles signaling sipAdaptorProfile Google_ADP_new advancedSMM enabled
set profiles signaling sipAdaptorProfile Google_ADP_new profileType messageManipulation
set profiles signaling sipAdaptorProfile Google_ADP_new rule 1 applyMatchHeader one
set profiles signaling sipAdaptorProfile Google_ADP_new rule 1 criterion 1 type message
set profiles signaling sipAdaptorProfile Google_ADP_new rule 1 criterion 1 message
set profiles signaling sipAdaptorProfile Google_ADP_new rule 1 criterion 1 message messageTypes request
set profiles signaling sipAdaptorProfile Google_ADP_new rule 1 criterion 1 message methodTypes [cancel invite ack]
set profiles signaling sipAdaptorProfile Google_ADP_new rule 1 criterion 2 type header
set profiles signaling sipAdaptorProfile Google_ADP_new rule 1 criterion 2 header
set profiles signaling sipAdaptorProfile Google_ADP_new rule 1 criterion 2 header name request-line
set profiles signaling sipAdaptorProfile Google_ADP_new rule 1 criterion 2 header condition exist
set profiles signaling sipAdaptorProfile Google_ADP_new rule 1 criterion 2 header numberOfInstances number 1
set profiles signaling sipAdaptorProfile Google_ADP_new rule 1 criterion 2 header numberOfInstances qualifier equal
set profiles signaling sipAdaptorProfile Google_ADP_new rule 1 action 1 type header
set profiles signaling sipAdaptorProfile Google_ADP_new rule 1 action 1 operation regsub
set profiles signaling sipAdaptorProfile Google_ADP_new rule 1 action 1 headerInfo headerValue
set profiles signaling sipAdaptorProfile Google_ADP_new rule 1 action 1 from
set profiles signaling sipAdaptorProfile Google_ADP_new rule 1 action 1 from type value
set profiles signaling sipAdaptorProfile Google_ADP_new rule 1 action 1 from value sip:+18334490619@us.telephony.goog:5672
set profiles signaling sipAdaptorProfile Google_ADP_new rule 1 action 1 to
set profiles signaling sipAdaptorProfile Google_ADP_new rule 1 action 1 to type header
set profiles signaling sipAdaptorProfile Google_ADP_new rule 1 action 1 to value request-line
set profiles signaling sipAdaptorProfile Google_ADP_new rule 1 action 1 regexp
set profiles signaling sipAdaptorProfile Google_ADP_new rule 1 action 1 regexp string sip:SIPREC-SRS@74.125.88.132:5672
set profiles signaling sipAdaptorProfile Google_ADP_new rule 1 action 1 regexp matchInstance one
set profiles signaling sipAdaptorProfile Google_ADP_new rule 2 applyMatchHeader one
set profiles signaling sipAdaptorProfile Google_ADP_new rule 2 criterion 1 type message
set profiles signaling sipAdaptorProfile Google_ADP_new rule 2 criterion 1 message
set profiles signaling sipAdaptorProfile Google_ADP_new rule 2 criterion 1 message messageTypes request

set profiles signaling sipAdaptorProfile Google_ADP_new rule 2 criterion 1 message methodTypes [cancel invite ack]
set profiles signaling sipAdaptorProfile Google_ADP_new rule 2 criterion 2 type header
set profiles signaling sipAdaptorProfile Google_ADP_new rule 2 criterion 2 header
set profiles signaling sipAdaptorProfile Google_ADP_new rule 2 criterion 2 header name To
set profiles signaling sipAdaptorProfile Google_ADP_new rule 2 criterion 2 header condition exist
set profiles signaling sipAdaptorProfile Google_ADP_new rule 2 criterion 2 header numberOfInstances number 1
set profiles signaling sipAdaptorProfile Google_ADP_new rule 2 criterion 2 header numberOfInstances qualifier equal
set profiles signaling sipAdaptorProfile Google_ADP_new rule 2 action 1 type header
set profiles signaling sipAdaptorProfile Google_ADP_new rule 2 action 1 operation regsub
set profiles signaling sipAdaptorProfile Google_ADP_new rule 2 action 1 headerInfo headerValue
set profiles signaling sipAdaptorProfile Google_ADP_new rule 2 action 1 from
set profiles signaling sipAdaptorProfile Google_ADP_new rule 2 action 1 from type value
set profiles signaling sipAdaptorProfile Google_ADP_new rule 2 action 1 from value sip:+18334490619@us.telephony.goog
set profiles signaling sipAdaptorProfile Google_ADP_new rule 2 action 1 to
set profiles signaling sipAdaptorProfile Google_ADP_new rule 2 action 1 to type header
set profiles signaling sipAdaptorProfile Google_ADP_new rule 2 action 1 to value to
set profiles signaling sipAdaptorProfile Google_ADP_new rule 2 action 1 regexp
set profiles signaling sipAdaptorProfile Google_ADP_new rule 2 action 1 regexp string sip:SIPREC-SRS@us.telephony.goog
set profiles signaling sipAdaptorProfile Google_ADP_new rule 2 action 1 regexp matchInstance one
set profiles signaling sipAdaptorProfile Google_ADP_new rule 3 applyMatchHeader one
set profiles signaling sipAdaptorProfile Google_ADP_new rule 3 criterion 1 type message
set profiles signaling sipAdaptorProfile Google_ADP_new rule 3 criterion 1 message
set profiles signaling sipAdaptorProfile Google_ADP_new rule 3 criterion 1 message messageTypes request
set profiles signaling sipAdaptorProfile Google_ADP_new rule 3 criterion 1 message methodTypes [invite]
set profiles signaling sipAdaptorProfile Google_ADP_new rule 3 criterion 2 type header
set profiles signaling sipAdaptorProfile Google_ADP_new rule 3 criterion 2 header
set profiles signaling sipAdaptorProfile Google_ADP_new rule 3 criterion 2 header name Call-ID
set profiles signaling sipAdaptorProfile Google_ADP_new rule 3 criterion 2 header condition exist
set profiles signaling sipAdaptorProfile Google_ADP_new rule 3 criterion 2 header hdrInstance one
set profiles signaling sipAdaptorProfile Google_ADP_new rule 3 action 1 type header
set profiles signaling sipAdaptorProfile Google_ADP_new rule 3 action 1 operation add
set profiles signaling sipAdaptorProfile Google_ADP_new rule 3 action 1 headerPosition last

set profiles signaling sipAdaptorProfile Google_ADP_new rule 3 action 1 from
set profiles signaling sipAdaptorProfile Google_ADP_new rule 3 action 1 from type value
set profiles signaling sipAdaptorProfile Google_ADP_new rule 3 action 1 from value
"<http://dialogflow.googleapis.com/v2beta1/projects/ccai-
389811/conversations/SO_CALLID>;purpose=Goog-ContactCenter-Conversation"
set profiles signaling sipAdaptorProfile Google_ADP_new rule 3 action 1 to
set profiles signaling sipAdaptorProfile Google_ADP_new rule 3 action 1 to type header
set profiles signaling sipAdaptorProfile Google_ADP_new rule 3 action 1 to value Call-info
set profiles signaling sipAdaptorProfile Google_ADP_new rule 3 action 2 type header
set profiles signaling sipAdaptorProfile Google_ADP_new rule 3 action 2 operation regstore
set profiles signaling sipAdaptorProfile Google_ADP_new rule 3 action 2 headerInfo
headerValue
set profiles signaling sipAdaptorProfile Google_ADP_new rule 3 action 2 from
set profiles signaling sipAdaptorProfile Google_ADP_new rule 3 action 2 from type header
set profiles signaling sipAdaptorProfile Google_ADP_new rule 3 action 2 from value Call-ID
set profiles signaling sipAdaptorProfile Google_ADP_new rule 3 action 2 to
set profiles signaling sipAdaptorProfile Google_ADP_new rule 3 action 2 to type variable
set profiles signaling sipAdaptorProfile Google_ADP_new rule 3 action 2 to variableValue var1
set profiles signaling sipAdaptorProfile Google_ADP_new rule 3 action 2 to
variableScopeValue local
set profiles signaling sipAdaptorProfile Google_ADP_new rule 3 action 2 regexp
set profiles signaling sipAdaptorProfile Google_ADP_new rule 3 action 2 regexp string ([a-zA-
Z0-9]+)_([a-zA-Z0-9]+)_([a-zA-Z0-9]+)
set profiles signaling sipAdaptorProfile Google_ADP_new rule 3 action 2 regexp
matchInstance one
set profiles signaling sipAdaptorProfile Google_ADP_new rule 3 action 3 type variable
set profiles signaling sipAdaptorProfile Google_ADP_new rule 3 action 3 operation append
set profiles signaling sipAdaptorProfile Google_ADP_new rule 3 action 3 from
set profiles signaling sipAdaptorProfile Google_ADP_new rule 3 action 3 from type value
set profiles signaling sipAdaptorProfile Google_ADP_new rule 3 action 3 from value
?roles=HUMAN_AGENT,END_USER
set profiles signaling sipAdaptorProfile Google_ADP_new rule 3 action 3 to
set profiles signaling sipAdaptorProfile Google_ADP_new rule 3 action 3 to type variable
set profiles signaling sipAdaptorProfile Google_ADP_new rule 3 action 3 to variableValue var1
set profiles signaling sipAdaptorProfile Google_ADP_new rule 3 action 3 to
variableScopeValue local
set profiles signaling sipAdaptorProfile Google_ADP_new rule 4 applyMatchHeader one
set profiles signaling sipAdaptorProfile Google_ADP_new rule 4 criterion 1 type message
set profiles signaling sipAdaptorProfile Google_ADP_new rule 4 criterion 1 message
set profiles signaling sipAdaptorProfile Google_ADP_new rule 4 criterion 1 message
messageTypes request
set profiles signaling sipAdaptorProfile Google_ADP_new rule 4 criterion 1 message
methodTypes [invite]
set profiles signaling sipAdaptorProfile Google_ADP_new rule 4 criterion 2 type header
set profiles signaling sipAdaptorProfile Google_ADP_new rule 4 criterion 2 header

set profiles signaling sipAdaptorProfile Google_ADP_new rule 4 criterion 2 header name Call-info

set profiles signaling sipAdaptorProfile Google_ADP_new rule 4 criterion 2 header condition exist

set profiles signaling sipAdaptorProfile Google_ADP_new rule 4 criterion 2 header hdrInstance one

set profiles signaling sipAdaptorProfile Google_ADP_new rule 4 action 1 type header
set profiles signaling sipAdaptorProfile Google_ADP_new rule 4 action 1 operation regsub
set profiles signaling sipAdaptorProfile Google_ADP_new rule 4 action 1 headerInfo headerValue

set profiles signaling sipAdaptorProfile Google_ADP_new rule 4 action 1 from
set profiles signaling sipAdaptorProfile Google_ADP_new rule 4 action 1 from type variable
set profiles signaling sipAdaptorProfile Google_ADP_new rule 4 action 1 from variableValue var1

set profiles signaling sipAdaptorProfile Google_ADP_new rule 4 action 1 to
set profiles signaling sipAdaptorProfile Google_ADP_new rule 4 action 1 to type header
set profiles signaling sipAdaptorProfile Google_ADP_new rule 4 action 1 to value Call-info
set profiles signaling sipAdaptorProfile Google_ADP_new rule 4 action 1 regexp
set profiles signaling sipAdaptorProfile Google_ADP_new rule 4 action 1 regexp string CALLID
set profiles signaling sipAdaptorProfile Google_ADP_new rule 4 action 1 regexp matchInstance all

set profiles signaling sipAdaptorProfile Google_ADP_new rule 5 applyMatchHeader one
set profiles signaling sipAdaptorProfile Google_ADP_new rule 5 criterion 1 type message
set profiles signaling sipAdaptorProfile Google_ADP_new rule 5 criterion 1 message
set profiles signaling sipAdaptorProfile Google_ADP_new rule 5 criterion 1 message messageTypes request

set profiles signaling sipAdaptorProfile Google_ADP_new rule 5 criterion 1 message methodTypes [invite]

set profiles signaling sipAdaptorProfile Google_ADP_new rule 5 criterion 2 type header
set profiles signaling sipAdaptorProfile Google_ADP_new rule 5 criterion 2 header
set profiles signaling sipAdaptorProfile Google_ADP_new rule 5 criterion 2 header name Session-Expires

set profiles signaling sipAdaptorProfile Google_ADP_new rule 5 criterion 2 header condition exist

set profiles signaling sipAdaptorProfile Google_ADP_new rule 5 criterion 2 header hdrInstance all

set profiles signaling sipAdaptorProfile Google_ADP_new rule 5 action 1 type header
set profiles signaling sipAdaptorProfile Google_ADP_new rule 5 action 1 operation modify
set profiles signaling sipAdaptorProfile Google_ADP_new rule 5 action 1 headerInfo headerValue

set profiles signaling sipAdaptorProfile Google_ADP_new rule 5 action 1 from
set profiles signaling sipAdaptorProfile Google_ADP_new rule 5 action 1 from type value
set profiles signaling sipAdaptorProfile Google_ADP_new rule 5 action 1 from value "1800;refresher=uac"

set profiles signaling sipAdaptorProfile Google_ADP_new rule 5 action 1 to

set profiles signaling sipAdaptorProfile Google_ADP_new rule 5 action 1 to type header
set profiles signaling sipAdaptorProfile Google_ADP_new rule 5 action 1 to value Session-Expires
commit

6.4.15 SRS Group profile

- Configure SRS Group profile as shown below.

set global servers srsGroupProfile SRSGROUP description SRSGROUP_FOR_GoogleCCAI
set global servers srsGroupProfile SRSGROUP loadDistribution sequence
set global servers srsGroupProfile SRSGROUP numSimultaneousStream 1
set global servers srsGroupProfile SRSGROUP srsGroupData 0 transport tls
set global servers srsGroupProfile SRSGROUP srsGroupData 0 ipAddress ""
set global servers srsGroupProfile SRSGROUP srsGroupData 0 fqdn us.telephony.goog
set global servers srsGroupProfile SRSGROUP srsGroupData 0 fqdnPort 5671
set global servers srsGroupProfile SRSGROUP srsGroupData 0 ipTGId GOOGLE_TG
set global servers srsGroupProfile SRSGROUP srsGroupData 0 srtp enable
set global servers srsGroupProfile SRSGROUP srsGroupData 0 cryptoSuiteProfile DEFAULT
commit

6.4.16 SRS Group Cluster

- Configure SRS Group Cluster as shown below.

set global servers srsGroupCluster SRSGRP1 srsGroupClusterData 0 srsGroupId SRSGROUP
commit

6.4.17 Call Recording criteria

- Configure Call Recording criteria towards OnPrem PBX and PSTN Gateway as shown below.

set global servers callRecordingCriteria PBX_to_PSTN srsGroupClusterId SRSGRP1
set global servers callRecordingCriteria PBX_to_PSTN ingressTgId PBX_TG
set global servers callRecordingCriteria PBX_to_PSTN egressTgId PSTN_TG
set global servers callRecordingCriteria PBX_to_PSTN nextHopIP 0.0.0.0
set global servers callRecordingCriteria PBX_to_PSTN previousHopIP 0.0.0.0
set global servers callRecordingCriteria PBX_to_PSTN recordingType allLegs
set global servers callRecordingCriteria PBX_to_PSTN recorderType SIPRec
set global servers callRecordingCriteria PBX_to_PSTN criteriaState enable
set global servers callRecordingCriteria PSTN_to_PBX srsGroupClusterId SRSGRP1
set global servers callRecordingCriteria PSTN_to_PBX ingressTgId PSTN_TG
set global servers callRecordingCriteria PSTN_to_PBX egressTgId PBX_TG
set global servers callRecordingCriteria PSTN_to_PBX nextHopIP 0.0.0.0
set global servers callRecordingCriteria PSTN_to_PBX previousHopIP 0.0.0.0

set global servers callRecordingCriteria PSTN_to_PBX recordingType allLegs
set global servers callRecordingCriteria PSTN_to_PBX recorderType SIPRec
set global servers callRecordingCriteria PSTN_to_PBX criteriaState enable
commit

6.4.18 SIPREC using TLS as Transport

6.4.18.1 Import Public CA Root Certificate (SBC)

set system security pki certificate Google_SIPREC state enabled
set system security pki certificate Google_SIPREC fileName 7ed383d4ae83a6a2.pem
set system security pki certificate Google_SIPREC type local-internal
commit

set system security pki certificate Intermediate state enabled
set system security pki certificate Intermediate fileName gd-g2_iis_intermediates.pem
set system security pki certificate Intermediate type remote
commit

6.4.18.2 Import Root Certificate (Google)

set system security pki certificate WR2 state enabled
set system security pki certificate WR2 fileName WR2.pem
set system security pki certificate WR2 type remote
commit

set system security pki certificate GTSCA1C3 state enabled
set system security pki certificate GTSCA1C3 fileName GTSCA1C3.pem
set system security pki certificate GTSCA1C3 type remote
commit

set system security pki certificate GTSrootR1 state enabled
set system security pki certificate GTSrootR1 fileName GTSrootR1.pem
set system security pki certificate GTSrootR1 type remote
commit

set system security pki certificate GlobalSign state enabled
set system security pki certificate GlobalSign fileName GlobalSign.pem
set system security pki certificate GlobalSign type remote
commit

6.4.18.3 TLS Profile

set profiles security tlsProfile TLS_PROF appAuthTimer 5
set profiles security tlsProfile TLS_PROF handshakeTimer 5
set profiles security tlsProfile TLS_PROF sessionResumpTimer 3600
set profiles security tlsProfile TLS_PROF cipherSuite1
tls_ecdhe_ecdsa_with_aes_256_gcm_sha384
set profiles security tlsProfile TLS_PROF cipherSuite2
tls_ecdhe_rsa_with_aes_128_gcm_sha256
set profiles security tlsProfile TLS_PROF cipherSuite3 nosuite
set profiles security tlsProfile TLS_PROF allowedRoles clientandserver
set profiles security tlsProfile TLS_PROF authClient true
set profiles security tlsProfile TLS_PROF clientCertName Google_SIPREC
set profiles security tlsProfile TLS_PROF serverCertName Google_SIPREC
set profiles security tlsProfile TLS_PROF acceptableCertValidationErrors none
set profiles security tlsProfile TLS_PROF v1_0 disabled
set profiles security tlsProfile TLS_PROF v1_1 disabled
set profiles security tlsProfile TLS_PROF v1_2 enabled
set profiles security tlsProfile TLS_PROF v1_3 disabled
set profiles security tlsProfile TLS_PROF suppressEmptyFragments disabled
set profiles security tlsProfile TLS_PROF peerNameVerify disabled
set profiles security tlsProfile TLS_PROF hashType sha256
commit

6.4.18.4 SIP Signaling port

set addressContext default zone GOOGLE sipSigPort 6 tlsProfileName TLS_PROF
set addressContext default zone GOOGLE sipSigPort 6 transportProtocolsAllowed sip-tls-tcp
commit

6.4.18.5 SIP Trunk

set addressContext default zone GOOGLE sipTrunkGroup GOOGLE_TG signaling
transportPreference preference1 tls-tcp
commit

6.4.18.6 Signaling Profile

set profiles signaling ipSignalingProfile GOOGLE_IPSP egressIpAttributes transport type1
tlsOverTcp
commit

6.4.18.7 PathCheck Profile

set profiles services pathCheckProfile GOOGLE transportPreference preference1 tls-tcp
commit

6.4.18.8 SRS group profile

set global servers srsGroupProfile SRSGROUP description SRSGROUP_FOR_GoogleCCAI
set global servers srsGroupProfile SRSGROUP loadDistribution sequence
set global servers srsGroupProfile SRSGROUP numSimultaneousStream 1
set global servers srsGroupProfile SRSGROUP srsGroupData 0 transport tls
set global servers srsGroupProfile SRSGROUP srsGroupData 0 ipAddress ""
set global servers srsGroupProfile SRSGROUP srsGroupData 0 fqdn us.telephony.goog
set global servers srsGroupProfile SRSGROUP srsGroupData 0 fqdnPort 5671
set global servers srsGroupProfile SRSGROUP srsGroupData 0 ipTGId GOOGLE_TG
set global servers srsGroupProfile SRSGROUP srsGroupData 0 srtp enable
set global servers srsGroupProfile SRSGROUP srsGroupData 0 cryptoSuiteProfile DEFAULT
commit

7 Summary of Tests and Results

ID	Title	Description	Expected Results	Status (Passed or Failed etc)	Observations
SBC Configuration Verification					
1	SBC Configuration Verification	TLS connection setup. SBC initiates TLS connection with CCAI	Successful 4way handshake with Google CCAI. Validate the right certificates are being negotiated. SBC should be loaded with GTSR1 cert for Google.	PASSED	Three-way handshake is verified

ID	Title	Description	Expected Results	Status (Passed or Failed etc)	Observations
			SBC should also send the certificate chain when sending its cert.		
2	SBC Configuration Verification	TCP Keep Alive. SBC will perform monitoring checks by attempting TCP Keep Alive to ensure Network Connectivity	Successful 3way handshake and thereafter termination	FAIL	TCP Keep-alive packets are not sent to the SIPREC Trunk
3	SBC Configuration Verification	TCP link is persistent. Establish call, send multiple calls that should all use the same TCP transport connection	Persistent TCP connection, we should establish a single connection and multiplex all calls over that connection.	PASSED	
4	SBC Configuration Verification	Session Timer support. SBC should be initiator for the Session Refresh timer using Update or Re-Invite	every 900 secs the SBC should refresh the SIP session.	PASSED	Re-INVITE is sent for Session refresh

ID	Title	Description	Expected Results	Status (Passed or Failed etc)	Observations
5	SBC Configuration Verification	SIP Header Manipulation (call-info header)	Validate if the Google requested header manipulation is present in the SIP INVITE. Ensure every SDP media has a label.	PASSED	
6	SBC Configuration Verification	*SBCs may need further Header manipulations based on SIP stack constraints. Verify required manipulation are added in SBC to support Google CCAI Example: FROM, TO header manipulations HOST part change in headers etc..,	All signaling in e.164 format	PASSED	
7	SBC Configuration Verification	SDES for SRTP. Configure the SDES parameters for crypto negotiation	Validate the crypto is successfully negotiated and media	PASSED	

ID	Title	Description	Expected Results	Status (Passed or Failed etc)	Observations
		for the BYOT trunk	is encrypted. All SBCs should support SDES for media encryption.		
8	SBC Configuration Verification	DTLS for Media Encryption. Configure the DTLS parameters for crypto negotiation for the BYOT trunk, certificate for DTLS must be self-signed by the SBC.	Validate the crypto is successfully negotiated and media is encrypted.	NOT TESTED	
Inbound					
9	SIP OPTIONS	SBC send SIP options every 60 seconds	Verify SBC sends SIP OPTIONS every 60 seconds and responded with 200 OK	PASSED	
10	Inbound	Inbound call: Calling Party disconnects the call. Inbound siprec call, ensure recording are present,	Verify Call is established with audio and transcripts from both participants	PASSED	

ID	Title	Description	Expected Results	Status (Passed or Failed etc)	Observations
		disconnect call from calling party and confirm proper disconnect	Verify call is disconnected properly		
11	Inbound	Inbound call: Called Party disconnects the call. Inbound siprec call, ensure recording are present, disconnect call from called party and confirm proper disconnect	Verify Call is established with audio and transcripts from both participants Verify call is disconnected properly	PASSED	
12	Inbound	Long duration call- Outbound Call- 1 hour max. Long duration siprec call	Ensure siprec calls stay up for an hour, confirm transcripts are present for entire duration	PASSED	

ID	Title	Description	Expected Results	Status (Passed or Failed etc)	Observations
13	Inbound	Long duration hold and resume (wait until session audit\session refresh occurs from DUT). Long duration siprec call, have the call placed on hold by agent, have call resume. Have customer place on hold then have call resume.	Call is connected, we have two active streams, confirm once a stream goes on hold, we receive corresponding signaling events, and that we no longer record transcripts for the participant on hold.	PASSED	
14	Inbound	Handling Error codes 603 decline. User A Calls PSTN A PSTN A rejects the incoming call	Verify SBC handles Call rejected properly	PASSED	
15	Inbound	Inbound call hold scenarios. Call starts out inactive for both participants, session moves to active	Validate if media is present when expected, confirm signaling events modify sdp properly,	PASSED	

ID	Title	Description	Expected Results	Status (Passed or Failed etc)	Observations
			once call is move to active validate media and transcripts		
16	Inbound	Inbound call hold scenarios. call starts out as active for both participants and making the Deactivate/Activate Conversation via grpc api.	Validate if media should not be present when activated and conversation starts to happen after deactivation. Confirm signaling events and validate media and transcripts	PASSED	Recording is not present when deactivate conversation is started and recording resumed after activate conversation is initiated.
17	Inbound	Update. Validate that update sent prior to call establishment do not contain SDP	Validate that update prior to call establishment do not contain SDP as expected	NOT APPLICABLE	No UPDATE is sent

ID	Title	Description	Expected Results	Status (Passed or Failed etc)	Observations
18	Inbound	Update. Validate that updates post call establishmen t contain SDP to modify session	If SBC uses update to modify session, ensure SDP is included	NOT APPLICA BLE	No UPDATE with SDP is sent
19	Inbound	re-invites. Ensure re-invites that modify session include SDP	Ensure re-invites that modify session include SDP	PASSED	Re-INVITE is sent to Google CCAI as part of session refresh, hold scenarios
20	Inbound	Codec negotiation. Ensure that g711 u-law is preferred codec	Ensure we can prioritize g711 as preferred codec, note where SBC configures preferred codec	PASSED	
21	Inbound	3 way conference. Determine requirements , record all leg.	Determine requireme nts, record all legs	PASSED	
22	Inbound	CCAI cloud project setup. Establish CCAI cloud project, provision the project with a GTP phone number for	Verify project is setup, functional test to confirm you can connect to the GTP	PASSED	

ID	Title	Description	Expected Results	Status (Passed or Failed etc)	Observations
		access (Create conversations/participants on the fly through SIP headers)	access phone number		
23	Inbound	CCAI cloud project setup. Establish CCAI cloud project, provision the project with a GTP phone number for access (Pre-creation of conversations/participants)	Verify project is setup, functional test to confirm you can connect to the GTP access phone number	NOT APPLICABLE	This test case is not applicable for call recording
24	Inbound	Consultative transfer. Consultative transfer from 1. PSTN > User1 > User2 2. PSTN > User1 > PSTN user2		PASSED	
25	Inbound	Blind transfer. Blind transfer from 1. PSTN > User1 > User2 2. PSTN > User1 > PSTN user2		PASSED	

ID	Title	Description	Expected Results	Status (Passed or Failed etc)	Observations
26	Validate Provisioning of trunk using self service	Validate Provisioning of trunk using self service	Use documentation to build trunk using self service model	PASSED	
27	Inbound	Inbound call hold scenarios using a-law	Validate if media is present when expected, confirm signaling events modify sdp properly, once call is move to hold active validate media and transcripts	PASSED	
28	Inbound	Inbound call: Called Party disconnects the call. using a a-law codec	"Verify Call is established with audio and transcripts from both participants Verify call is disconnected properly Validate media	PASSED	

ID	Title	Description	Expected Results	Status (Passed or Failed etc)	Observations
			stays in region"		
29	Inbound	Long duration call- Outbound Call- 1 hour max using a-law codec	Ensure siprec calls stay up for an hour, confirm transcripts are present for entire duration.	PASSED	Re-INVITE message is sent from SBC to Google CCAI every 15min (900 seconds)
30	Inbound	Inbound call: Configure trunk in non default region,	Verify Call is established with audio and transcripts from both participants Verify call is disconnected properly Validate media stays in region	PASSED	Testing conducted on US region

ID	Title	Description	Expected Results	Status (Passed or Failed etc)	Observations
31	Outbound	Participant Labels test	Configure call info header to specify roles, ensure the media streams align, Frist media stream HUMAN_AGENT role and Second is END_USER.	PASSED	When the roles are set to "HUMAN AGENT" and "END USER," (Call-Info:<http://dialogflow.googleapis.com/v2beta1/projects/ccai-389811/conversations/Cm_84E840A0-408411F0-9DCB82A8-A2663C7F?roles=HUMAN_AGENT,END_USER>;purpose=Goog-ContactCenter-Conversation) the transcript shows the first media stream with the participation role as "HUMAN AGENT," followed by "END USER." It showed 6/10 attempts. The call-id in the call-info header is sent with hyphen sign
32	Inbound	DTLS test		Not supported	
33	Inbound	Conference TEST	Determine requirements, record all legs	PASSED	
34	Inbound	Validate Call recording	Verify call recording is recorded throughout the call	PASSED	