



Cisco BTS 10200 Softswitch SIP xGCP SDP Interworking Feature Module

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This document describes the SIP xGCP SDP Interworking feature for Release 6.0.1 of the Cisco BTS 10200 Softswitch and explains how to use it.

Understanding the SIP xGCP SDP Interworking Feature

SIP and the protocols represented by the term xGCP use the Session Description Protocol (SDP).



Note

In this document, the term xGCP refers to the following protocols:

- Media Gateway Control Protocol (MGCP)

- Network-based Call Signaling (NCS)

- Trunking Gateway Control Protocol (TGCP)—TGCP meets requirements for the Media Gateway Controller-to-Media Gateway interface

SIP and xGCP use SDP differently. SIP and xGCP exchange SDP transparently using the Call Agent (Cable Management System, Media Gateway Controller). However, the exchange of SDP data creates interworking problems because xGCP might ignore or reject SIP SDP syntax. Using this feature, the Cisco BTS 10200 translates SIP SDP syntax into equivalent xGCP connection-handling syntax.

To enable the Cisco BTS 10200 to operate SIP xGCP SDP Interworking, configure the following tokens in the MGW_PROFILE table to suit the specific protocol interworking required between the Cisco BTS 10200 and media gateways in your network:

SDP_XGCP_SIP_IWF_SUPP

SDP_BANDWIDTH_AS_ONLY

SDP_MULTIPLE_MEDIA_DESC_SUPP

SDP_PTIME_ADD_FROM_MPTIME

SDP_PTIME_ADD_FROM_LCO



Americas Headquarters:

Cisco Systems, Inc., 170 West Tasman Drive, San Jose, CA 95134-1706 USA

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SDP_CALL_SETUP_IWF_SUPP

SDP_PORT_ZERO_SUPP

SDP_IP_ZERO_SUPP

**Note**

For complete CLI information, see the [Cisco BTS 10200 Softswitch CLI Database](#).

Limitations

When the Cisco BTS 10200 operates the SIP xGCP SDP Interworking feature it requires additional processing time. To minimize the additional time required to process this feature, consider the following two criteria when you configure the MGW_PROFILE table:

- Capacity— Set only the relevant MGW_PROFILE table tokens to Y when interworking is required.
- Calls Per Second (CPS)—This feature scans SDP for each call. Set only the MGW_PROFILE token, SDP_XGCP_SIP_IWF_SUPP to Y when interworking is required.

Industry Standards

This feature implements SIP-xGCP SDP interworking requirements defined in PacketCable EC (Engineering Change) CMSS1.5-N-07.0407-5.

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