



Preface

Revised: October 21, 2008, OL-5351-10

The *Cisco BTS 10200 Softswitch SIP Protocol Provisioning Guide* details support for Session Initiation Protocol (SIP) devices and trunks in Release 4.5.x. This guide serves as a basic guidance for provisioning SIP devices (Cisco ATA 186 and 188, and Cisco IP Phones 7940, 7960, 7905, 7912) and SIP trunks for use with the Cisco BTS 10200. The book is an addition to the existing Cisco BTS 10200 Softswitch documentation.

Revision History for Release 4.5.x

This document includes all of the information that was contained in the previous issues (the Release 4.4 SIP Protocol Provisioning Guide), and has been updated as follows for Release 4.5.x.

Release	Changes
Release 4.5.x	Version OL-5351-10: Updated the SIP Timer Values procedure in Chapter 1 Version OL-5351-09: The procedure for installing the Mini-Browser Adapter (MBA) was clarified (“Configuring the HTTP-FS, MBA, GUI-FS, and SIP Phone Services” section on page 1-9). Version OL-5351-08: Clarification was added that provisioning changes to DSCP parameters in the ca-config table do not take effect until the CA platform restarts or switches over (Chapter 1, “Provisioning SIP Devices and SIP Subscribers” and Chapter 2, “Provisioning SIP Trunks”). Version OL-5351-07: • (Release 4.5.0 and 4.5.1) Added information about the privacy parameter in the add subscriber command in Chapter 1, “Provisioning SIP Devices and SIP Subscribers.” • (Release 4.5.0 and 4.5.1) Added information about 3XX call redirection in Chapter 2, “Provisioning SIP Trunks.” • (Release 4.5.1, Maintenance Release 1) Added a section about source IP validation in Chapter 2, “Provisioning SIP Trunks.” • (Release 4.5.0 and 4.5.1) Added a step for provisioning authentication for access to the VM server (using server-domain-name parameter) in Chapter 3, “Provisioning Voice Mail.”

Release	Changes
Release 4.5.x	Version OL-5351-06 and earlier: Added the following new features: • “Provisioning Secure FQDN of a SIP Endpoint” section on page 1-18 • “Session Timers” section on page 1-22 • “T.38 Fax Relay Call Agent Controlled Mode Across SIP Trunk Interface” section on page 2-14 Provided additional information on the following features: • In Chapter 1, “Provisioning SIP Devices and SIP Subscribers,” added LINKSYS PAP2. • “Installing the MBA” section on page 1-10 (clarified installation requirements) • “Provisioning a SIP Subscriber” section on page 1-12 (corrected the command for changing aor2sub status) • “Provisioning Subscriber Features” section on page 1-13—Do Not Disturb, Provisioning Secure FQDN of a SIP Endpoint, SIM Memory Audit and SIP Dynamic Memory Audit, and Type of Service. • “Jointly-Provided Features” section on page 1-22 (revised information on timers) • “Provisioning SIP Trunk Features” section on page 2-2—Locating SIP Servers Using DNS Queries, Trunk Group Audit for the SIP Adapter, Diversion Indication, Carrier Identification Code over SIP, SIP Trunk Sub-Groups, SIP Timer Values, SIP-T, ISUP Version, ISUP-Transparency, and GTD, DTMF SIP Signaling, Asserted Identity and User-Level Privacy, Trunk Group Audit for the SIP Adapter • Chapter 3, “Provisioning Voice Mail”

Organization

This document is organized as follows:

- Chapter 1, “Provisioning SIP Devices and SIP Subscribers”
- Chapter 2, “Provisioning SIP Trunks”
- Chapter 3, “Provisioning Voice Mail”
- Appendix A, “Sample Configuration Files for SIP Phones”
- Glossary

Conventions

This document includes the following conventions:

**Note**

Means *reader take note*. Notes contain helpful suggestions or references to material not covered in the manual.

Related Documents

This Release 4.5.x SIP Protocol Provisioning Guide should be used in conjunction with the previous Cisco BTS 10200 Softswitch documents:

- *Cisco BTS 10200 Softswitch Release Notes for Release 4.5.x*
- *Cisco BTS 10200 Softswitch SIP Protocol User Guide*
- *Cisco BTS 10200 Softswitch Physical and Network Site Surveys and Data Sheets*
- *Cisco BTS 10200 Softswitch Cabling Procedures*
- *Cisco BTS 10200 Softswitch Network and Subscriber Feature Descriptions*
- *Cisco BTS 10200 Softswitch System Description*
- *Cisco BTS 10200 Softswitch Application Installation Procedures*
- *Cisco BTS 10200 Softswitch Operations Manual*
- *Cisco BTS 10200 Softswitch Event Messages Guide*
- *Cisco BTS 10200 Softswitch Billing Interface Guide*
- *Cisco BTS 10200 Softswitch Command Line Interface Reference Guide*
- *Cisco BTS 10200 Softswitch CORBA Installation and Programmer's Guides*

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For information on obtaining documentation, obtaining support, providing documentation feedback, security guidelines, and also recommended aliases and general Cisco documents, see the monthly *What's New in Cisco Product Documentation*, which also lists all new and revised Cisco technical documentation, at:

<http://www.cisco.com/en/US/docs/general/whatsnew/whatsnew.html>