Configuring

Getting Started with Configuring

The goal of this process is for you to do the following:

- Understand the tasks required to configure Cisco BLISS for Cable components.
- Configure all required Cisco BLISS for Cable components.
- Verify that the network is successfully configured.

Before You Begin: Complete the Installing process for all components required in your application.

When You Are Done: After you verify communication among components, your network is ready to place in service. Go on to the Provisioning process to provision features and subscribers or on to the Operating process for information on ongoing management of your network.

Configuration Tasks by Component

Configuration Tasks by Feature

Configuration Concepts

Configuration Tasks by Component

Complete the tasks in the following table to configure components that are part of Cisco BLISS for Cable.

You will find additional configuration information in the Configuration Tasks by Feature section.

Task	Details
Configure the Cisco BTS 10200.	Configuring the Cisco BTS 10200 consists of provisioning a series of data tables on the Call Agent and Feature Servers. A complete Cisco BTS 10200 implementation is very complex and will vary by customer. More detailed information about the Cisco BTS 10200 data tables and fields can be found in the Cisco BTS 10200 *Command Line Interface Reference Guide*. An overview of PacketCable™ specific features can be found in the Cisco BTS 10200 Softswitch *PacketCable™ and Event Message Provisioning and Operations Guide.* **Note** The Cisco BTS 10200 Softswitch user documentation is password protected. See your Cisco representative for access information.
Configure the Cisco IP Transfer Point (ITP).	The *Cisco IP Transfer Point (ITP) in IOS Software Release 12.2(25)SW3* document provides configuration tasks and procedures.
Configure the cable modem termination system (CMTS).	Select from the following guides, depending on the CMTS component you are using: • *Cisco uBR7200 Series Software Configuration Guide* • *Cisco uBR10012 Universal Broadband Router Software Configuration Guide* In addition, the *Cisco CMTS Feature Guide* provides information about specific features. The *Cisco Broadband Cable Command Reference Guide* contains the cable-specific commands for the Cisco uBR7100 series, Cisco uBR7200 series, and Cisco uBR10012 universal broadband routers. The *CMTS Configuration FAQ* provides answers to frequently-asked questions about configuring CMTS.

Task	Details
Configure the Cisco MGX components.	The *Cisco MGX 8850 (PXM1E/PXM45), MGX 8950, MGX 8830, and MGX 8880 Configuration Guide, Release 5,* provides instructions for configuring the MGX 8880 and MGX 8850. The *Cisco MGX 8850 (PXM1E/PXM45), MGX 8950, MGX 8830, and MGX 8880 Command Reference, Release 5,* provides a detailed description of the PXM commands required for configuration at the shelf and PXM card level. The *Voice Switch Services (VXSM) Configuration and Command Reference Guide, Release 5,* provides instructions for configuring the VXSM. The *Cisco Voice Interworking Services (VISM) Configuration Guide & Command Reference, Release 3.3,* provides instructions for configuring the VISM. In particular, see *Configuration for VoIP Switching Applications* for configuring VoIP switching applications on a Cisco MGX 8850 or MGX 8880 equipped with VXSMs.
Configure the embedded multimedia terminal adapter (eMTA).	Although there are standard PacketCable™ parameters defined for MTAs, the actual configuration is vendor-specific. For specific configuration procedures, see the appropriate vendor documentation
Configure Broadband Access Center for Cable (BACC).	The BACC *Administrator's Guide for Release 2.6* provides BACC configuration checklists and task information for the following: • Configuring BACC • Configuring and using the sample user interface • BACC support tools and advanced concepts • Device provisioning engine CLI
Configure Cisco SIP devices.	The *Cisco BTS 10200 SIP Provisioning Guide* provides instructions for configuring SIP devices.

Configuration Tasks by Feature

Complete the tasks in the following table to configure particular features of Cisco BLISS for Cable.

You will find additional configuration information in the Configuration Tasks by Component section.

Task	Details
Configuring Lawful Intercept (LI) for CALEA Compliance.	The *PacketCable™ Lawful Intercept Architecture* document provides configuration files for the following devices: • Cisco uBR 7246 VXR CMTS • VISM Trunking Gateway • Cisco BTS 10200 Call Agent • SS8 Xcipio Mediation Device **Note** If you have already logged into www.cisco.com with the BTS guest username and password, you may receive an error message when attempting to access the *PacketCable™ Lawful Intercept Architecture* document. To access this document, close all open instances of your browser, restart your browser program, and log into www.cisco.com with your own registered username and password.
Configure T.38 fax relay.	The *T.38 Fax Relay Feature Module* provides instructions for configuring T.38 fax relay on the Cisco BTS 10200 Softswitch. **Note** The Cisco BTS 10200 Softswitch user documentation is password protected. See your Cisco representative for access information.

Configuration Concepts

Read these conceptual overview topics to better understand configuration concepts related to Cisco BLISS for Cable:

Cisco ITP as the Signaling Gateway for the BTS 10200 Softswitch

Planning to Configure ITP

Broadband Access Center for Cable DOCSIS and PacketCable™ Options

Cisco MGX 8850 (PXM1E/PXM45), MGX 8950, MGX 8830, and MGX 8880 Configuration Guide, Release 5: Preparing for Configuration