



Preface

Welcome to the *Cisco Broadband Access Center 3.7 Administrator Guide*. This guide describes concepts and configurations related to Cisco Broadband Access Center, referred to as Cisco BAC throughout this guide.

This chapter provides an outline of the other chapters in this guide, details information about related documents that support this Cisco BAC release, and demonstrates the styles and conventions used in the guide.



Note

This document is to be used in conjunction with the documentation listed in [Product Documentation, page xvi](#).

This section contains the following information:

- [Audience, page xiii](#)
- [Organization, page xiv](#)
- [Conventions, page xv](#)
- [Product Documentation, page xvi](#)
- [Obtaining Documentation and Submitting a Service Request, page xvi](#)

Audience

The *Cisco Broadband Access Center 3.7 Administrator Guide* is written for system administrators involved in automating large-scale provisioning for broadband access. The network administrator should be familiar with these topics:

- Basic networking concepts and terminology.
- Network administration.

Organization

This guide includes the following sections:

Section	Title	Description
Chapter 1	Broadband Access Center Overview	Describes Cisco BAC, its features and benefits.
Chapter 2	Broadband Access Center Architecture	Describes the systems architecture implemented in this Cisco BAC release.
Chapter 3	Configuration Workflows and Checklists	Provides checklists to follow when configuring Cisco BAC for use.
Chapter 4	CPE Management Overview	Provides an overview of CPE management and describes key concepts supported within Cisco BAC.
Chapter 5	Configuration Templates Management	Describes the configuration templates that Cisco BAC supports, and how to author custom configuration templates.
Chapter 6	Firmware Management	Describes the firmware management feature that Cisco BAC supports.
Chapter 7	Parameter Dictionaries	Describes the use of Parameter Dictionaries.
Chapter 8	CPE History and Troubleshooting	Describes how to troubleshoot CPE, using device information, made available through Cisco BAC.
Chapter 9	Managing Cisco Broadband Access Center	Describes the various options that help manage Cisco BAC.
Chapter 10	Database Management	Describes how to manage and maintain the RDU database.
Chapter 11	Monitoring Cisco Broadband Access Center	Describes how to monitor the Cisco BAC servers.
Chapter 12	Configuring CWMP Service	Describes how to configure the CWMP service for use with Cisco BAC.
Chapter 13	Configuring CWMP Service Security	Describes how to enhance security options using Cisco BAC.
Chapter 14	CWMP Device Operations	Describes the operations that you can perform on the device using Cisco BAC.
Chapter 15	Understanding the Administrator User Interface	Describes how to access Cisco BAC using the administrator user interface.
Chapter 16	Using the Administrator User Interface	Describes administration activities, including searching for and viewing device information.
Chapter 17	Configuring Broadband Access Center	Describes the configuration activities that are performed using the Cisco BAC administrator application.
Chapter 18	RDU and DPE Connection Management	Describes the RDU TCP connection management, RDU batch concurrency and RDU DPE synchronization.

Section	Title	Description
Chapter 19	Cisco BAC Support Tools and Advanced Concepts	Describes Cisco BAC tools intended to help configure, maintain speed, and improve the installation, deployment, and use of Cisco BAC.
Chapter 20	Troubleshooting Broadband Access Center	Describes how to troubleshoot Cisco BAC servers.
	Glossary	Defines terminology used in this guide and generally applicable to the technologies being discussed.

Conventions

This document uses the following conventions:

Convention	Indication
bold font	Commands and keywords and user-entered text appear in bold font .
<i>italic font</i>	Document titles, new or emphasized terms, and arguments for which you supply values are in <i>italic font</i> .
[]	Elements in square brackets are optional.
{ x y z }	Required alternative keywords are grouped in braces and separated by vertical bars.
[x y z]	Optional alternative keywords are grouped in brackets and separated by vertical bars.
string	A nonquoted set of characters. Do not use quotation marks around the string or the string will include the quotation marks.
<code>courier font</code>	Terminal sessions and information the system displays appear in <code>courier font</code> .
< >	Nonprinting characters such as passwords are in angle brackets.
[]	Default responses to system prompts are in square brackets.
!, #	An exclamation point (!) or a pound sign (#) at the beginning of a line of code indicates a comment line.



Note

Means *reader take note*.



Caution

Means *reader be careful*. In this situation, you might perform an action that could result in equipment damage or loss of data.

Product Documentation


Note

We sometimes update the printed and electronic documentation after original publication. Therefore, you should also review the documentation on [Cisco.com](http://www.cisco.com) for any updates.

[Table 1](#) describes the product documentation that is available.

Table 1 **Product Documentation**

Document Title	Location
<i>Cisco Broadband Access Center 3.7 Documentation Overview</i>	On Cisco.com at this URL: http://www.cisco.com/en/US/docs/net_mgmt/broadband_access_center/3.7/documentation/overview/Cisco_BAC37_DocOverview.html
<i>Cisco Broadband Access Center 3.7 Release Notes</i>	On Cisco.com at this URL: http://www.cisco.com/en/US/products/sw/netmgtsw/ps529/prod_release_notes_list.html
<i>Cisco Broadband Access Center 3.7 Installation Guide</i>	On Cisco.com at this URL: http://www.cisco.com/en/US/products/sw/netmgtsw/ps529/prod_installation_guides_list.html
<i>Cisco Broadband Access Center 3.7 Integration Developer's Guide</i>	On Cisco.com at this URL: http://www.cisco.com/en/US/products/sw/netmgtsw/ps529/prod_command_reference_list.html
<i>Cisco Broadband Access Center 3.7 DPE CLI Reference</i>	On Cisco.com at this URL: http://www.cisco.com/en/US/products/sw/netmgtsw/ps529/prod_command_reference_list.html
<i>Cisco Broadband Access Center 3.7 Third Party and Open Source Copyrights</i>	On Cisco.com at this URL: http://www.cisco.com/en/US/products/sw/netmgtsw/ps529/products_licensing_information_listing.html

Obtaining Documentation and Submitting a Service Request

For information on obtaining documentation, submitting a service request, and gathering additional information, 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>

Subscribe to the *What's New in Cisco Product Documentation* as an RSS feed and set content to be delivered directly to your desktop using a reader application. The RSS feeds are a free service. Cisco currently supports RSS Version 2.0.