Preface

Welcome to the *Cisco Broadband Access Center Administrator Guide 4.2*. This guide describes concepts and configurations related to Cisco Broadband Access Center, referred to as Cisco BAC throughout this guide.

The preface provides an outline of 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 Use this guide along with the documentation listed in Product Documentation, page xx, and Related Documentation, page xx.

This preface describes:

- Audience, page xvii
- How This Guide Is Organized, page xviii
- Conventions, page xix
- Product Documentation, page xx
- Related Documentation, page xx
- Obtaining Documentation and Submitting a Service Request, page xxi

Audience

System administrators use this guide to configure Cisco BAC for automating large-scale provisioning for broadband access. The administrator should be familiar with:

- Basic networking concepts and terminology
- Network administration
- Cable networks

How This Guide Is Organized

The major sections of this guide are:

Cisco Broadband Access Center Overview	Describes Cisco BAC, the technologies and standards that this Cisco BAC release supports, and features and benefits.
Cisco Broadband Access Center Architecture	Describes the system architecture implemented in this Cisco BAC release.
Configuration Workflows	Provides workflows to follow when configuring Cisco BAC.
CPE Provisioning Overview	Provides an overview of CPE provisioning and describes key concepts that Cisco BAC supports.
Dynamic Configuration File Management	Describes the configuration templates that Cisco BAC supports and how to develop template files.
DOCSIS Configuration	Describes how to bring a Cisco BAC DOCSIS deployment into service.
PacketCable Voice Configuration	Describes how to bring a PacketCable voice deployment into service.
CableHome Configuration	Describes how to bring a CableHome deployment, using the non-secure (DHCP) version, into service.
Managing Cisco Broadband Access Center	Describes the various subcomponents that help manage Cisco BAC.
Monitoring Cisco Broadband Access Center	Describes how to monitor the Cisco BAC servers in a deployment.
Understanding the Administrator User Interface	Describes how to access Cisco BAC from the administrator user interface.
Using the Administrator User Interface	Describes how to perform administration activities, including searching for and viewing device information, from the administrator user interface.
Configuring Cisco Broadband Access Center	Describes how to perform configuration activities from the administrator user interface.
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.
Database Management	Describes how to manage and maintain the RDU database.
Troubleshooting Cisco Broadband Access Center	Describes how to troubleshoot the provisioning process for PacketCable embedded Multimedia Terminal Adapters (eMTAs).
Alert and Error Messages	Lists and describes Cisco BAC x messages.
Option Support	Lists the technology-specific options that Cisco BAC supports for each technology version.

Mapping PacketCable DHCP Options to Cisco BAC Properties	Identifies the mapping of Cisco BAC properties to the PacketCable DHCP options used for PacketCable provisioning.
Provisioning API Use Cases	Presents a series of common provisioning API use cases that can be used to model typical service-provider workflows.
FAQs on Provisioning Broadband Access Center	Lists frequently asked questions about Cisco BAC configuration and provisioning.
Glossary	Defines terminology used in this guide and generally applicable to the technologies being discussed.

Conventions

This document uses the following conventions:

Item	Convention
Commands and keywords	**boldface** font
Variables for which you supply values	*italic* font
Displayed session and system information	`screen` font
Information you enter	**`boldface screen`** font
Variables you enter	*`italic screen`* font
Menu items and button names	**boldface** font
Selecting a menu item in paragraphs	**Option > Network Preferences**
Selecting a menu item in tables	Option > Network Preferences

⚠️

Caution Means *be careful*. In this situation, you might do something that could result in equipment damage or loss of data.

✎

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

🔍

Tip Means *a helpful hint*. The description can present an optimum action to take.

Product Documentation

Note We sometimes update the printed and electronic documentation after original publication. Therefore, you should also review the documentation on Cisco.com for any updates.

Table 1 describes the documentation that is available for this Cisco BAC release.

Table 1 Product Documentation

Document Title	Available Format
Release Notes for Cisco Broadband Access Center 4.2	• PDF file on the product CD-ROM • On Cisco.com: http://cisco.com/en/US/products/sw/netmgtsw/ps529/prod_release_notes_list.html
Installation and Setup Guide for Cisco Broadband Access Center, Release 4.2	• PDF file on the product CD-ROM • On Cisco.com: http://cisco.com/en/US/products/sw/netmgtsw/ps529/prod_installation_guides_list.html
Cisco Broadband Access Center Administrator Guide, Release 4.2	• PDF file on the product CD-ROM • On Cisco.com: http://cisco.com/en/US/products/sw/netmgtsw/ps529/prod_maintenance_guides_list.html
Cisco Broadband Access Center DPE CLI Reference, Release 4.2	• PDF file on the product CD-ROM • On Cisco.com: http://cisco.com/en/US/products/sw/netmgtsw/ps529/prod_command_reference_list.html

Related Documentation

Note We sometimes update the printed and electronic documentation after original publication. Therefore, you should also review the documentation on Cisco.com for any updates.

Table 2 describes the related documentation that is available for this Cisco BAC release.

Table 2   Related Documentation

Document Title	Available Format
Release Notes for Cisco Network Registrar 7.2	On Cisco.com: http://cisco.com/en/US/products/sw/netmgtsw/ps1982/prod_release_notes_list.html
Installation Guide for Cisco Network Registrar, Release 7.2	On Cisco.com http://cisco.com/en/US/products/sw/netmgtsw/ps1982/prod_installation_guides_list.html
User Guide for Cisco Network Registrar, Release 7.2	On Cisco.com: http://cisco.com/en/US/products/sw/netmgtsw/ps1982/products_user_guide_list.html
Command Reference Guide for Cisco Network Registrar, Release 7.2	On Cisco.com: http://cisco.com/en/US/products/sw/netmgtsw/ps1982/prod_command_reference_list.html
Quick Start Guide for Cisco Network Registrar, Release 7.2	On Cisco.com: http://cisco.com/en/US/products/sw/netmgtsw/ps1982/prod_installation_guides_list.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

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