



Preface

Welcome to the *Cisco Broadband Access Center Administrator Guide, 2.7.1.* This guide describes concepts and configurations related to Cisco Broadband Access Center, referred to as BAC throughout this guide.

The preface provides an outline of other chapters in this guide, details information about related documents that support this 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 xxiii](#), and [Related Documentation, page xxiv](#).

This Preface describes:

- [Audience, page xxi](#)
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Audience

System administrators use this guide to configure 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:

Broadband Access Center Overview	Describes BAC, its features, and benefits.
Broadband Access Center Architecture	Describes the system architecture implemented in this BAC release.
Configuration Workflows and Checklists	Provides checklists to follow when configuring BAC for use.
DOCSIS Configuration	Describes how to bring a BAC DOCSIS deployment into service.
PacketCable Voice Configuration	Describes how to bring a PacketCable voice deployment into service.
Troubleshooting PacketCable eMTA Provisioning	Describes how to troubleshoot the provisioning process for PacketCable embedded Media Terminal Adapters (eMTAs).
CableHome Configuration	Describes how to bring a CableHome deployment, using the non-secure (DHCP) version, into service.
Configuration Templates Management	Describes the configuration templates that BAC supports and how to develop template files.
Understanding the Administrator User Interface	Describes how to access 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 Broadband Access Center	Describes how to perform configuration activities from the administrator user interface.
Configuring and Using the Sample User Interface	Describes concepts, uses, and application of the sample workflow user interface.
Support Tools and Advanced Concepts	Describes BAC tools intended to help configure, maintain speed, and improve the installation, deployment, and use of BAC.
Database Management	Describes how to manage and maintain the RDU database.
Alert and Error Messages	Lists and describes BAC alert messages.
PacketCable DHCP Options to BAC Properties Mapping	Identifies the mapping of BAC properties to the PacketCable DHCP options used for PacketCable provisioning.
API Use Cases	Presents a series of the most common provisioning API use cases, including pseudo code segments that can be used to model typical service-provider workflows.
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	<i>italic</i> font
Displayed session and system information	screen font
Information you enter	boldface screen font
Variables you enter	<i>italic screen</i> 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



Note

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



Caution

Means *reader be careful*. In this situation, you might do something 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 for any updates.

[Table 1](#) describes the documentation that is available for this BAC release.

Table 1 **Product Documentation**

Document Title	Available Format
<i>Release Notes for Cisco Broadband Access Center, Release 2.7.1</i>	<ul style="list-style-type: none"> PDF on the product CD-ROM On Cisco.com: http://cisco.com/en/US/products/sw/netmgsw/ps529/prod_release_notes_list.html
<i>Installation and Setup Guide for Cisco Broadband Access Center, Release 2.7.1.</i>	<ul style="list-style-type: none"> PDF on the product CD-ROM On Cisco.com: http://cisco.com/en/US/products/sw/netmgsw/ps529/prod_installation_guides_list.html

Table 1 *Product Documentation (continued)*

Document Title	Available Format
<i>Cisco Broadband Access Center Administrator Guide, Release 2.7.1</i>	<ul style="list-style-type: none"> PDF on the product CD-ROM On Cisco.com: http://cisco.com/en/US/products/sw/netmgtsw/ps529/prod_maintenance_guides_list.html
<i>Cisco Broadband Access Center DPE CLI Reference, Release 2.7.1</i>	<ul style="list-style-type: none"> PDF on the product CD-ROM On Cisco.com: http://cisco.com/en/US/products/sw/netmgtsw/ps529/prod_command_reference_list.html
<p>To support the DPE-2115:</p> <ul style="list-style-type: none"> <i>DPE-2115 Recovery CD-ROM Release Notes</i> <i>Installation and Setup Guide for the Cisco 1102 VLAN Policy Server</i> <p> Caution Refer to the Installation and Setup guide only for port and connector identification and to perform hardware installation. Do not attempt to perform any of the configuration instructions found in the guide.</p>	<p>On Cisco.com:</p> <ul style="list-style-type: none"> http://cisco.com/en/US/products/sw/netmgtsw/ps529/prod_release_notes_list.html http://cisco.com/en/US/products/sw/secursw/ps2136/prod_installation_guides_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](http://cisco.com) for any updates.

[Table 2](#) describes the related documentation that is available for this BAC release.

Table 2 *Related Documentation*

Document Title	Available Format
<i>Release Notes for Cisco Network Registrar 6.2.3</i>	<p>On Cisco.com:</p> <p>http://cisco.com/en/US/products/sw/netmgtsw/ps1982/prod_release_notes_list.html</p>
<i>Cisco Network Registrar User's Guide, Release 6.2.1</i>	<p>On Cisco.com:</p> <p>http://cisco.com/en/US/products/sw/netmgtsw/ps1982/products_user_guide_list.html</p>

Table 2 *Related Documentation (continued)*

Document Title	Available Format
<i>Release Notes for Cisco Network Registrar 6.2.3</i>	On Cisco.com: http://cisco.com/en/US/products/sw/netmgtsw/ps1982/prod_release_notes_list.html
<i>Cisco Network Registrar CLI Reference, Release 6.2.1</i>	On Cisco.com: http://cisco.com/en/US/products/sw/netmgtsw/ps1982/prod_command_reference_list.html

Obtaining Documentation, Obtaining Support, and Security Guidelines

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>

