



## Preface

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Welcome to the *Cisco Broadband Access Center Administrator Guide 4.0*. 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

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Use this guide along with the documentation listed in [Product Documentation, page xxvi](#), and [Related Documentation, page xxvi](#).

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This preface describes:

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- [How This Guide Is Organized, page xxiv](#)
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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:

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

<a href="#">Mapping PacketCable DHCP Options to BAC Properties</a>	Identifies the mapping of BAC properties to the PacketCable DHCP options used for PacketCable provisioning.
<a href="#">Provisioning API Use Cases</a>	Presents a series of common provisioning API use cases that can be used to model typical service-provider workflows.
<a href="#">FAQs on Provisioning Broadband Access Center</a>	Lists frequently asked questions about BAC configuration and provisioning.
<a href="#">Glossary</a>	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	<b>boldface</b> font
Variables for which you supply values	<i>italic</i> font
Displayed session and system information	screen font
Information you enter	<b>boldface screen</b> font
Variables you enter	<i>italic screen</i> font
Menu items and button names	<b>boldface</b> font
Selecting a menu item in paragraphs	<b>Option &gt; Network Preferences</b>
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](http://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 4.0</i>	<ul style="list-style-type: none"> <li>PDF file on the product CD-ROM</li> <li>On Cisco.com: <a href="http://cisco.com/en/US/products/sw/netmgtsw/ps529/prod_release_notes_list.html">http://cisco.com/en/US/products/sw/netmgtsw/ps529/prod_release_notes_list.html</a></li> </ul>
<i>Installation and Setup Guide for Cisco Broadband Access Center, Release 4.0</i>	<ul style="list-style-type: none"> <li>PDF file on the product CD-ROM</li> <li>On Cisco.com: <a href="http://cisco.com/en/US/products/sw/netmgtsw/ps529/prod_installation_guides_list.html">http://cisco.com/en/US/products/sw/netmgtsw/ps529/prod_installation_guides_list.html</a></li> </ul>
<i>Cisco Broadband Access Center Administrator Guide, Release 4.0</i>	<ul style="list-style-type: none"> <li>PDF file on the product CD-ROM</li> <li>On Cisco.com: <a href="http://cisco.com/en/US/products/sw/netmgtsw/ps529/prod_maintenance_guides_list.html">http://cisco.com/en/US/products/sw/netmgtsw/ps529/prod_maintenance_guides_list.html</a></li> </ul>
<i>Cisco Broadband Access Center DPE CLI Reference, Release 4.0</i>	<ul style="list-style-type: none"> <li>PDF file on the product CD-ROM</li> <li>On Cisco.com: <a href="http://cisco.com/en/US/products/sw/netmgtsw/ps529/prod_command_reference_list.html">http://cisco.com/en/US/products/sw/netmgtsw/ps529/prod_command_reference_list.html</a></li> </ul>

# 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 7.0</i>	On Cisco.com: <a href="http://cisco.com/en/US/products/sw/netmgts/ps1982/prod_release_notes_list.html">http://cisco.com/en/US/products/sw/netmgts/ps1982/prod_release_notes_list.html</a>
<i>Installation Guide for Cisco Network Registrar, Release 7.0</i>	On Cisco.com <a href="http://cisco.com/en/US/products/sw/netmgts/ps1982/prod_installation_guides_list.html">http://cisco.com/en/US/products/sw/netmgts/ps1982/prod_installation_guides_list.html</a>
<i>User Guide for Cisco Network Registrar, Release 7.0</i>	On Cisco.com: <a href="http://cisco.com/en/US/products/sw/netmgts/ps1982/products_user_guide_list.html">http://cisco.com/en/US/products/sw/netmgts/ps1982/products_user_guide_list.html</a>
<i>CLIFrame.html</i> in the <i>/docs</i> directory	On Cisco.com: <a href="http://cisco.com/en/US/products/sw/netmgts/ps1982/prod_command_reference_list.html">http://cisco.com/en/US/products/sw/netmgts/ps1982/prod_command_reference_list.html</a>
<i>Quick Start Guide for Cisco Network Registrar, Release 7.0</i>	On Cisco.com: <a href="http://cisco.com/en/US/products/sw/netmgts/ps1982/prod_installation_guides_list.html">http://cisco.com/en/US/products/sw/netmgts/ps1982/prod_installation_guides_list.html</a>

## 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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