



About This Guide

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Objective

This manual provides details about the Cisco Internet Protocol (IP) Solution Center WatchDog commands and the Graphical User Interface (GUI) of the product with detailed explanations of common components across all services.

Related Documentation

For more information about ISC, see the following. These documents are also available on the Documentation CD-ROM.

- [Documentation Guide for Cisco IP Solution Center, 3.0](http://www.cisco.com/univercd/cc/td/doc/product/rtrmgmt/isc/3_0/docguide) (Part Number: 78-15765)
http://www.cisco.com/univercd/cc/td/doc/product/rtrmgmt/isc/3_0/docguide
- [Release Notes for Cisco IP Solution Center, 3.0](http://www.cisco.com/univercd/cc/td/doc/product/rtrmgmt/isc/3_0/relnotes) (Part Number: OL-4340)
http://www.cisco.com/univercd/cc/td/doc/product/rtrmgmt/isc/3_0/relnotes
- [Cisco IP Solution Center Installation Guide, 3.0](http://www.cisco.com/univercd/cc/td/doc/product/rtrmgmt/isc/3_0/install) (Part Number: OL-4341)
http://www.cisco.com/univercd/cc/td/doc/product/rtrmgmt/isc/3_0/install
- This document - [Cisco IP Solution Center Infrastructure Reference, 3.0](http://www.cisco.com/univercd/cc/td/doc/product/rtrmgmt/isc/3_0/infrastr) (Part Number: OL-4342)
http://www.cisco.com/univercd/cc/td/doc/product/rtrmgmt/isc/3_0/infrastr
- [Cisco IP Solution Center, 3.0: L2VPN Management User Guide, 3.0](http://www.cisco.com/univercd/cc/td/doc/product/rtrmgmt/isc/3_0/l2vpn) (Part Number: OL-4343)
http://www.cisco.com/univercd/cc/td/doc/product/rtrmgmt/isc/3_0/l2vpn

- *Cisco IP Solution Center, 3.0: MPLS VPN Management User Guide, 3.0* (Part Number: OL-4344) http://www.cisco.com/univercd/cc/td/doc/product/rtrmgmt/isc/3_0/mpls



Note Prior to this release, the base for this service was Cisco VPN Solutions Center (VPNSC): MPLS Solution, 2.2, also known as the MPLS VPN Solution, 2.2.

- *Cisco IP Solution Center, 3.0: Quality of Service Management User Guide, 3.0* (Part Number: OL-4345) http://www.cisco.com/univercd/cc/td/doc/product/rtrmgmt/isc/3_0/qos
- *Cisco IP Solution Center, 3.0: Security Management User Guide, 3.0* (Part Number: OL-4346) http://www.cisco.com/univercd/cc/td/doc/product/rtrmgmt/isc/3_0/secmgmt



Note Prior to this release, the base for this service was Cisco VPN Solutions Center (VPNSC): IPsec Solution, 2.2, also known as the IPsec VPN Solution, 2.2.

API information is available in **ISC_NBI_Distribution.zip**. The APIs are licensed individually. To access this zip file, use one of the following paths:

1. **ftp ftpeng.cisco.com**
2. For the Name, enter **anonymous**
3. Follow the instructions to enter the Password.
4. **bin**



Note

For security purposes, **ls** and **dir** do not work. Therefore, type commands exactly as specified, including the case.

5. **cd /isc**
6. **get ISC30GAdoc.zip**

or

1. In a browser, enter:
ftp://ftpeng.cisco.com/isc/ISC30GAdoc.zip



Note

All documentation *may* be upgraded.

Audience

This book is written as a resource for experienced users and administrators who use ISC. It provides details about how to implement the infrastructure functionality of ISC.

It is assumed that you have a basic understanding of network design, operation, and terminology, and that you are familiar with your own network configurations.

How This Book Is Organized

This manual is organized as follows:

- Chapter 1, “[Getting Started](#),” provides an overview of the ISC product.
- Chapter 2, “[WatchDog Commands](#),” provides the description, syntax, and arguments for the commands for WatchDog, a background daemon process that is automatically installed as part of the installation procedure for ISC.
- Chapter 3, “[Structural Overview](#),” provides an overview of the GUI structure of ISC.
- Chapter 4, “[Service Inventory > Inventory and Connection Manager](#),” explains the navigation path from **Service Inventory** to **Inventory and Connection Manager**.
- Chapter 5, “[Service Inventory > Deployment Flow Manager and Service Inventory > Device Console](#)” explains the navigation path from **Service Inventory** to **Deployment Flow Manager** and to **Device Console**.
- Chapter 6, “[Service Design](#),” explains the navigation path from **Service Design**.
- Chapter 7, “[Monitoring](#),” explains the navigation path from **Monitoring**.
- Chapter 8, “[Administration](#),” explains the navigation path from **Administration**.
- Appendix A, “[Cisco CNS IE2100 Appliances](#),” explains how to use the Cisco CNS IE2100 functionality on ISC.

Document Conventions

This section discusses conventions and terminology used throughout this manual.

- *pointer*—indicates where the mouse action is to occur
- *select*—to push and hold down the left mouse button
- *release*—to let up on a mouse button to initiate an action
- *click*—to select and release a mouse button without moving the pointer
- *double-click*—to click a mouse button twice quickly without moving the pointer
- *drag*—to move the pointer by sliding the mouse with one or more buttons selected

This manual uses this terminology throughout (even though it is possible for individual users to customize their devices to use the buttons in an alternative manner).

In situations that allow more than one item to be selected from a list simultaneously, the following actions are supported:

- To select a single item in a list, click the entry. Clicking a second time on a previously selected entry deselects it.
- To select a contiguous block of items, click the first entry; then, without releasing the mouse button, drag to the last desired entry and release. (A subsequent click anywhere on the window deselects all previous selections.)
- To extend a currently selected block, hold the **Shift** key down and click the entry at the end of the group to be added
- To add a noncontiguous entry to the selection group, press the **Ctrl** (Control) key and click the entry to be added.

Names of on-window elements that you click or select (menu names, commands, and controls such as buttons, drop-down lists, and so on) are printed in **bold** font.

Bold font is also used for keywords, names of commands, and names of keys on the keyboard.

Text displayed as on-window examples is printed in `courier` font.

When set off from the main text, words and characters you should enter by the keyboard are printed in **bold** font. When the word or character string is enclosed in angle brackets (< and >), you should substitute your own character string for the example presented in the text.

For example, when you see:

login: **root**

you should specify the string **root** at the **login** prompt. However, when you see:

password: *<rootpassword>*

you should specify your own password in place of the character string *<rootpassword>*.

The *italic style* is used to emphasize words, to introduce new terms, and for titles of printed publications (however, not titles of CD-ROMs or floppy disks).

**Note**

Means *reader take note*. Notes contain helpful suggestions or references to materials not contained in this manual.

**Caution**

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

Obtaining Documentation

Cisco provides several ways to obtain documentation, technical assistance, and other technical resources. These sections explain how to obtain technical information from Cisco Systems.

Cisco.com

You can access the most current Cisco documentation on the World Wide Web at this URL:

<http://www.cisco.com/univercd/home/home.htm>

You can access the Cisco website at this URL:

<http://www.cisco.com>

International Cisco web sites can be accessed from this URL:

http://www.cisco.com/public/countries_languages.shtml

Documentation CD-ROM

Cisco documentation and additional literature are available in a Cisco Documentation CD-ROM package, which may have shipped with your product. The Documentation CD-ROM is updated monthly and may be more current than printed documentation. The CD-ROM package is available as a single unit or through an annual subscription.

Registered Cisco.com users can order the Documentation CD-ROM (product number DOC-CONDOCCD=) through the online Subscription Store:

<http://www.cisco.com/go/subscription>

Ordering Documentation

You can find instructions for ordering documentation at this URL:

http://www.cisco.com/univercd/cc/td/doc/es_inpk/pdi.htm

You can order Cisco documentation in these ways:

- Registered Cisco.com users (Cisco direct customers) can order Cisco product documentation from the Networking Products Marketplace:

<http://www.cisco.com/en/US/partner/ordering/index.shtml>

- Registered Cisco.com users can order the Documentation CD-ROM (Customer Order Number DOC-CONDOCCD=) through the online Subscription Store:

<http://www.cisco.com/go/subscription>

- Nonregistered Cisco.com users can order documentation through a local account representative by calling Cisco Systems Corporate Headquarters (California, U.S.A.) at 408 526-7208 or, elsewhere in North America, by calling 800 553-NETS (6387).

Documentation Feedback

You can submit comments electronically on Cisco.com. On the Cisco Documentation home page, click **Feedback** at the top of the page.

You can email your comments to bug-doc@cisco.com.

You can submit your comments by mail by using the response card behind the front cover of your document or by writing to the following address:

Cisco Systems
Attn: Customer Document Ordering
170 West Tasman Drive
San Jose, CA 95134-9883

We appreciate your comments.

Obtaining Technical Assistance

Cisco provides Cisco.com, which includes the Cisco Technical Assistance Center (TAC) Website, as a starting point for all technical assistance. Customers and partners can obtain online documentation, troubleshooting tips, and sample configurations from the Cisco TAC website. Cisco.com registered users have complete access to the technical support resources on the Cisco TAC website, including TAC tools and utilities.

Cisco.com

Cisco.com offers a suite of interactive, networked services that let you access Cisco information, networking solutions, services, programs, and resources at any time, from anywhere in the world.

Cisco.com provides a broad range of features and services to help you with these tasks:

- Streamline business processes and improve productivity
- Resolve technical issues with online support
- Download and test software packages
- Order Cisco learning materials and merchandise
- Register for online skill assessment, training, and certification programs

To obtain customized information and service, you can self-register on Cisco.com at this URL:

<http://www.cisco.com>

Technical Assistance Center

The Cisco TAC is available to all customers who need technical assistance with a Cisco product, technology, or solution. Two levels of support are available: the Cisco TAC website and the Cisco TAC Escalation Center. The avenue of support that you choose depends on the priority of the problem and the conditions stated in service contracts, when applicable.

We categorize Cisco TAC inquiries according to urgency:

- Priority level 4 (P4)—You need information or assistance concerning Cisco product capabilities, product installation, or basic product configuration.
- Priority level 3 (P3)—Your network performance is degraded. Network functionality is noticeably impaired, but most business operations continue.
- Priority level 2 (P2)—Your production network is severely degraded, affecting significant aspects of business operations. No workaround is available.
- Priority level 1 (P1)—Your production network is down, and a critical impact to business operations will occur if service is not restored quickly. No workaround is available.

Cisco TAC Website

You can use the Cisco TAC website to resolve P3 and P4 issues yourself, saving both cost and time. The site provides around-the-clock access to online tools, knowledge bases, and software. To access the Cisco TAC website, go to this URL:

<http://www.cisco.com/tac>

All customers, partners, and resellers who have a valid Cisco service contract have complete access to the technical support resources on the Cisco TAC website. Some services on the Cisco TAC website require a Cisco.com login ID and password. If you have a valid service contract but do not have a login ID or password, go to this URL to register:

<http://tools.cisco.com/RPF/register/register.do>

If you are a Cisco.com registered user, and you cannot resolve your technical issues by using the Cisco TAC website, you can open a case online at this URL:

<http://www.cisco.com/en/US/support/index.html>

If you have Internet access, we recommend that you open P3 and P4 cases through the Cisco TAC website so that you can describe the situation in your own words and attach any necessary files.

Cisco TAC Escalation Center

The Cisco TAC Escalation Center addresses priority level 1 or priority level 2 issues. These classifications are assigned when severe network degradation significantly impacts business operations. When you contact the TAC Escalation Center with a P1 or P2 problem, a Cisco TAC engineer automatically opens a case.

To obtain a directory of toll-free Cisco TAC telephone numbers for your country, go to this URL:

<http://www.cisco.com/warp/public/687/Directory/DirTAC.shtml>

Before calling, please check with your network operations center to determine the level of Cisco support services to which your company is entitled: for example, SMARTnet, SMARTnet Onsite, or Network Supported Accounts (NSA). When you call the center, please have available your service agreement number and your product serial number.

Obtaining Additional Publications and Information

Information about Cisco products, technologies, and network solutions is available from various online and printed sources.

- The *Cisco Product Catalog* describes the networking products offered by Cisco Systems as well as ordering and customer support services. Access the *Cisco Product Catalog* at this URL:
http://www.cisco.com/en/US/products/products_catalog_links_launch.html
- Cisco Press publishes a wide range of networking publications. Cisco suggests these titles for new and experienced users: *Internetworking Terms and Acronyms Dictionary*, *Internetworking Technology Handbook*, *Internetworking Troubleshooting Guide*, and the *Internetworking Design Guide*. For current Cisco Press titles and other information, go to Cisco Press online at this URL:
<http://www.ciscopress.com>
- *Packet* magazine is the Cisco monthly periodical that provides industry professionals with the latest information about the field of networking. You can access *Packet* magazine at this URL:
http://www.cisco.com/en/US/about/ac123/ac114/about_cisco_packet_magazine.html
- *iQ Magazine* is the Cisco monthly periodical that provides business leaders and decision makers with the latest information about the networking industry. You can access *iQ Magazine* at this URL:
http://business.cisco.com/prod/tree.taf%3fasset_id=44699&public_view=true&kbns=1.html

- *Internet Protocol Journal* is a quarterly journal published by Cisco Systems for engineering professionals involved in the design, development, and operation of public and private internets and intranets. You can access the *Internet Protocol Journal* at this URL:
http://www.cisco.com/en/US/about/ac123/ac147/about_cisco_the_internet_protocol_journal.html
- Training—Cisco offers world-class networking training, with current offerings in network training listed at this URL:
http://www.cisco.com/en/US/learning/le31/learning_recommended_training_list.html