

For More Information

For additional information about the Cisco IP Interoperability and Collaboration System (Cisco IPICS) server, refer to the *Cisco IPICS Server Administration Guide, Release 2.0(1)*.

Refer to the following URL for the complete Cisco IPICS documentation set:
http://www.cisco.com/univercd/cc/td/doc/product/cis/c_ipics/index.htm



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Cisco IPICS Server

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About the Cisco IPICS Server

Cisco IPICS interconnects voice channels and virtual talk groups (VTGs). To use the server, you must first upload and install one or more licenses. The licenses that you purchase are based on the following licensable features:

- Concurrent number of land mobile radio (LMR) channel ports
- Concurrent number of multicast VTG ports
- Concurrent number of PMC users
- Concurrent number of IP phone users
- Concurrent number of dial users
- Total number of operational views (ops views)

Note: To enable the Cisco IPICS policy engine, you must install a license that includes the policy engine feature.

Enhanced Server Features

The Cisco IPICS server includes the following features:

- Updated Cisco standardized graphical user interface (GUI)
- Support for additional behavioral attributes on users, channels, and VTGs

- Enhanced serviceability
- Direct 2-Way and direct dial features that provide support for point-to-point connectivity
- Hardware support for new and additional Cisco MCS servers

Security Features

The server implementation includes many security enhancements, which include:

- Operating system and application hardening, that includes running Linux in command line mode, running the Cisco IPICS application under a new non-root Linux user called ipicsadmin, and more restrictive access to the Cisco IPICS application database
- Application password hardening, that includes the enforcement of strong passwords, password expiration, and user account lockout upon the maximum number of invalid login attempts
- Hardware SNMP support, that includes the introduction of Management Information Base (MIB) network objects that are managed by using SNMP

Overview of the Cisco IPICS Policy Engine and Dial Engine

The policy engine enables telephony dial functionality and provides the capability to manage and execute policies and user notifications. The policy engine tab includes the Policy Management and Dial Engine drawers.

The dial engine provides the capability to manage standard/custom scripts and prompts that enable the telephony user interface (TUI) interaction with incoming and outgoing calls and audio instructions to users. The control center allows you to monitor the system status and configure tracing.

Browser Guidelines

Be aware of the following browser guidelines when you use the Administration Console:

- Cisco IPICS only supports Internet Explorer version 6.0.2 or higher.
- To view updated information, refresh the Administration Console windows often by clicking the button or tab that you used to display the window.

- Disable any browser pop-up blocker software that is installed on your machine before using Cisco IPICS.
- Open only one browser session at a time on the same machine for Administration Console functions.
- To avoid browser-related memory issues, exit your browser and then restart it after prolonged use of the Administration Console.

Using the Administration Console

Follow these steps to log in to the Administration Console:

1. Launch your browser and enter the IP address or host name of the Cisco IPICS server in the Address field.
2. Enter your user name and password.
3. Click **Log In**.

The Cisco IPICS Administration Console displays with the My Profile window showing information that relates to your user ID. Drawers display along the left side of the graphical user interface (GUI) and tabs display along the top of the GUI to access additional features.

To view information about your Cisco IPICS installation, click the **About** link in the Administration Console.

To access online help, click the **Help** link in the Administration Console.

To log out of Cisco IPICS, click the **Logout** link that displays in the Administration Console.

The Administration Console times out after 30 minutes of non use. When a timeout occurs, you are prompted to log back in.

Identifying the Drawers in the Administration Console

The Administration Console contains several information drawers and tabs.

Note: An asterisk (*) next to an input field that displays in any of the drawers indicates required information.

The following list describes the tabs and drawers that you can access, depending on your user roles:

Server Tab—The server tab contains the following drawers:

- **Home**—Includes windows that users access to manage personal data and to download the PMC

- **VTG Management**—Includes windows that the dispatcher uses to manage VTGs and events
- **User Management**—Includes windows that are used by the operator to manage users and user groups
- **Configuration**—Includes windows that the system administrator uses to configure various components, such as channels, ops views, and RMSs
- **Administration**—Includes windows that administrators use to manage functions, such as license and database management
- **PMC Management**—Includes windows that the system administrator uses to manage PMC customizations
- **Serviceability**—Includes windows that the system administrator uses to monitor system status

Policy Engine Tab—The policy engine tab contains the **Policy Management** and **Dial Engine** drawers. This tab can be accessed by any user but the functions that can be performed depend on your user role.

Note: Refer to the [Cisco IPICS Server Administration Guide, Release 2.0\(1\)](#) for detailed information about the Cisco IPICS server functionality and other information that is contained in this reference card.