



Overview

This chapter provides an overview of the Cisco IPICS server software installation. It also contains information about system requirements for the Cisco IPICS server software and the PMC application.

This chapter includes the following sections:

- [Installation Overview, page 1-1](#)
- [Installed Components, page 1-4](#)
- [System Requirements, page 1-4](#)

Installation Overview

The Cisco IPICS server software is installed on supported Cisco Media Convergence Systems (MCS) servers. The installation process involves first installing the Cisco Linux operating system and then installing the Cisco IPICS server software. All of the software that you need for Cisco IPICS is contained on two CDs that are packaged with the product.

You would typically perform the Cisco Linux and Cisco IPICS installations in the same session, although you can choose to install the operating system and then install the Cisco IPICS server software at a later time.

The software that installs the Cisco Linux operating system and Cisco IPICS server software is mostly automated, but it does require some user interaction to complete. The installation procedures include the following steps:

Installation CD	Step	Description
Cisco Linux operating system	Cisco Linux Setup Utility	This procedure disables default features on the server that may be incompatible with Cisco Linux.
	Cisco Linux Package Installation	In this phase, the installer overwrites the hard drive and installs files on the server. A progress window displays as the files are installed.
	GRUB bootloader	This process loads the operating system image as the first step in a process called firstboot. Cisco Linux runs firstboot only once, just after the operating system is installed for the first time.
	Cisco Linux Configuration and Setup	In these steps, you set the date and time and create an administrative user.
	Entering the GNOME username/password	These windows allow you to log in as root using the password supplied by Cisco.
	Ethernet port configuration	In this procedure, you assign the IP address for the server, create a DNS name (optional), and reactivate the Ethernet port.

Installation CD	Step	Description
Cisco IPICS server software	Introduction	This window provides introductory information about the installation.
	End User License Agreement	This window allows you to review the license agreement for the Cisco IPICS server software.
	Choice of the install set	This step describes the three installation options on the Cisco IPICS installation CD and allows you to choose one of the types.
	Password change for the root user	This step allows you to change the default Cisco Linux password.
	Password creation for the ipicsadmin user	This step allows you to create a password for the ipicsadmin user, who has limited Cisco Linux privileges.
	Password creation for the informix user	This step allows you to create a password for the informix user, who has limited Cisco Linux privileges, which are related to the Informix database files and folders.
	Preinstallation summary	In this step, a window displays information such as the version of Cisco IPICS that you are installing, the installation directory, and the disk space requirement for the installation.
	Package installation	In this step, a window displays that shows the progress of the installation and what Cisco IPICS files the installer is writing to the server.
	Option to restart the server	This step allows you to choose between restarting the server immediately or at a later time.

Installed Components

The Cisco IPICS installation includes the following components:

- Cisco IPICS Administration Console (Cisco IPICS version 1.0(1))
- Cisco IPICS Data Store (IBM Informix Database Server version 10.0)
- Cisco Security Agent version 4.5
- Tomcat service

System Requirements

This section describes the hardware and software requirements for the Cisco IPICS server. This section includes the following topics:

- [Hardware Requirements, page 1-4](#)
- [Software Requirements, page 1-6](#)

Hardware Requirements

The hardware components required to deploy Cisco IPICS include a server on which you install the Cisco IPICS server software. For users of land mobile radio (LMR) systems to communicate in Cisco IPICS conferences, you must deploy one or more routers that are equipped with T1 network modules.

[Table 1-1](#) lists hardware components that Cisco supports for use with the Cisco IPICS server software:

Table 1-1 *Hardware Requirement*

Hardware Component	Supported Models
Cisco servers	Cisco Media Convergence Server (MCS), model MCS-7825-H1-S31, with 2GB memory
	Cisco Media Convergence Server (MCS), model MCS-7845-H1-S31 with 4 GB memory

Table 1-1 **Hardware Requirement (continued)**

Hardware Component	Supported Models
Cisco Integrated Service Routers	Cisco 2811
	Cisco 3725
	Cisco 3845
T1 network modules	VWIC-MFT1-2T1 in a 2811 or 3845 VIC/WIC slot, with internal digital signal processor (PVDM2-64)
	NM-HDV2/NM-HDV2-2T1 in a 2811, 3725, or 3845 with digital signal processor (PVDM2-64)
Analog ports	VIC2-2E/M in a 2811 or 3845 VIC/WIC slot, with internal digital signal processor (PVDM2-64)
	NM-HD-2V (or 2VE) with VIC2-2E/M 3725 and NM slots in 2811, 3725, or 3845

PMC Requirements

The minimum PMC requirements includes the following items:

- 300 MHz Pentium III class PC, including Mobile Pentium
- 256 MB RAM
- 16 MB free space
- Network interface card

Cisco IP Phone Requirements

Cisco IPICS allows virtual talk group (VTG) participation of the following models of Cisco IP Phones by enabling these phones to work with Cisco IPICS as IP phone multicast client devices:

- Cisco IP Phone 7960
- Cisco IP Phone 7970

Software Requirements

This section lists the software requirements for using Cisco IPICS.

Internet Browser

The Cisco IPICS Administration Console, the graphical user interface (GUI) for the server software, requires that you use Microsoft Internet Explorer version 6.0.2 or later.

Router Software

You must install Cisco IOS 12.4T software on any gateway router you use with Cisco IPICS.

PMC Software

Minimum requirements are Windows 2000 Professional SP4 or Windows XP Professional SP2.

Cisco IP Phone Firmware

This release of Cisco IPICS requires the following minimum versions of Cisco CallManager and Cisco IP Phone firmware:

- Cisco CallManager, version 4.1(2)
- Cisco IP Phone 7960, version 7.2(3)
- Cisco IP Phone 7970, version 7.0(1)