



Cisco Discovery Protocol Support

This chapter provides general information for Cisco Discovery Protocol (CDP) and contains the following topics:

- [CDP Advertisement Support, page 22-1](#)
- [CDP Configuration Checklist, page 22-3](#)
- [Where to Find More Information, page 22-4](#)

Cisco Discovery Protocol discovers Cisco devices on a network. CDP enables discovery of Cisco CallManager servers and management of those servers by CiscoWorks2000.

CDP Advertisement Support

With CDP Advertisement Support, Cisco CallManager periodically sends out CDP messages on the active interface to a designated multicast address. These messages contain information such as device identification, interface name, system capabilities, and time to live.

Any Cisco device with CDP support can locate a Cisco CallManager by using these periodic messages. For example, a device can locate Cisco CallManager agent IP addresses using the CDP cache from the direct neighboring devices.

Default CDP Setting

Table 22-1 provides the default CDP settings.

Table 22-1 Default CDP Settings

Description	Default Value
Default Transmit Frequency	60 seconds
Default Time to Live	180 seconds
Default State	CDP advertisement enabled

CDP Driver System Prerequisites

CDP designates a Windows 2000 Protocol Driver designed to run with Cisco CallManager on a Cisco Media Convergence Server with a 10/100BaseT Ethernet network interface card. It does not support other media, such as Token Ring, ATM, or Windows NT platforms (including Windows 98 or Windows NT 4.0).

Use the CDP Driver

Starting Cisco CallManager enables the CDP driver. You can use CDP to allow CiscoWorks2000 to discover and manage your Cisco CallManager systems.



Note

For more information, see the [SNMP Management Information Base, page 18-2](#).

Access CDP Driver Control

You can control the CDP driver using the CISCO-CDP-MIB. For more information, see the [SNMP Management Information Base, page 18-2](#).

When you are using CiscoWorks2000, you must keep the CDP driver enabled at all times to discover Cisco CallManager.

Install the CDP Protocol Driver

The Cisco CallManager installation process installs the CDP driver. When a successful Cisco CallManager installation completes, the CDP protocol driver resides in the list of device drivers under the Windows 2000 control panel.

Locate Updated CDP Driver and Interface Files

Installing Cisco CallManager updates the following components:

- The CDP driver (cdp.sys).
- The CDP Interface Library (cdpintf.dll).
- A Backup **Regedit** export file for reinstalling CDP registries (cdp2k101.reg). Use this file to restore the CDP registry if it becomes corrupted.



Note

After running the cdp2k101.reg file, you must perform a system reset to restore the CDP registries.

CDP Configuration Checklist

Table 22-2 provides an overview of the steps for configuring Cisco Discovery Protocol.

Table 22-2 CDP Configuration Checklist

Configuration Steps		Related Procedures and Topics
Step 1	Review the CiscoWorks2000 user documentation for information on the Cisco Discovery Protocol.	http://www.cisco.com/univercd/cc/td/doc/product/rtrmgmt/cw2000/index.htm
Step 2	Ensure CDP designates the Windows 2000 Protocol Driver.	http://www.cisco.com/univercd/cc/td/doc/product/rtrmgmt/cw2000/index.htm
Step 3	Install the CDP protocol driver.	Installing the CDP Protocol Driver , <i>Cisco CallManager Serviceability Administration Guide</i>

Table 22-2 CDP Configuration Checklist (continued)

Configuration Steps		Related Procedures and Topics
Step 4	Start the CDP protocol driver.	Starting the CDP Protocol Driver , <i>Cisco CallManager Serviceability Administration Guide</i>
Step 5	Enable the CDP driver.	Enabling the CDP Protocol Driver , <i>Cisco CallManager Serviceability Administration Guide</i> Simple Network Management Protocol Configuration , <i>Cisco CallManager Serviceability Administration Guide</i>

Where to Find More Information

Related Topics

- [Chapter 18, “Simple Network Management Protocol”](#)
- [Chapter 19, “CiscoWorks2000”](#)
- [Chapter 25, “Overview of CiscoWorks2000,”](#) *Cisco CallManager Serviceability Administration Guide*
- [Chapter 28, “Cisco Discovery Protocol Support Configuration,”](#) *Cisco CallManager Serviceability Administration Guide*

Additional Cisco Documentation

- CiscoWorks2000 user documentation:
<http://www.cisco.com/univercd/cc/td/doc/product/rtrmgmt/cw2000/index.htm>