Configuring Cisco Discovery Protocol

This chapter describes Cisco Discovery Protocol (CDP) and the configuration examples.

Understanding CDP

Cisco Discovery Protocol (CDP) is used to obtain protocol addresses of neighboring devices and discover the platform of those devices. CDP can also be used to show information about the interfaces your router uses. CDP is media- and protocol-independent, and runs on all Cisco-manufactured equipment including routers, bridges, access servers, and switches.

Use of SNMP with the CDP Management Information Base (MIB) allows network management applications to learn the device type and the SNMP agent address of neighboring devices, and to send SNMP queries to those devices. Cisco Discovery Protocol uses the CISCO-CDP-MIB.

CDP is enabled on the system and on the interfaces by default. If you prefer not to use the CDP device discovery capability, you can disable it with the **no cdp run** command at the system level and **no cdp enable** command at the interface level.

NTP-J66 Configure CDP

Purpose	This procedure configures CDP.
Tools/Equipment	None
Prerequisite Procedures	None
Required/As Needed	As needed
Onsite/Remote	Onsite or remote

Security Level	Provisioning or higher

Procedure

Perform any of the following procedures as needed:

Stop. You have completed this procedure.

DLP-J225 Configure CDP Using Cisco IOS Commands

Purpose	This procedure configures CDP using Cisco IOS commands.
Tools/Equipment	None
Prerequisite Procedures	None
Required/As Needed	As needed
Onsite/Remote	Onsite or remote
Security Level	Provisioning or higher

For information on **show cdp** commands, see the *Cisco CPT Command Reference Guide*.

Procedure

	Command or Action	**Purpose**
Step 1	**enable** **Example:** Router# enable	Enables privileged EXEC mode. • Enter your password if prompted.
Step 2	**configure terminal** **Example:** Router# configure terminal	Enters global configuration mode.
Step 3	**[no] cdp run** **Example:** Router(config)# cdp run	Re-enables or disables CDP on the system.

	Command or Action	Purpose
Step 4	**interface** *type number* **Example:** Router(config)# interface TenGigabitEthernet 4/1	Configures a Ten Gigabit Ethernet interface and enters interface configuration mode.
Step 5	**[no] cdp enable** **Example:** Router(config-if)# cdp enable	Re-enables or disables CDP on the interface.
Step 6	**end** **Example:** Router(config-if)# end	Returns to privileged EXEC mode.
Step 7	Return to your originating procedure (NTP).	—

DLP-J224 Configure CDP Using CTC

Purpose	This procedure configures CDP using CTC.
Tools/Equipment	None
Prerequisite Procedures	None
Required/As Needed	As needed
Onsite/Remote	Onsite or remote
Security Level	Provisioning or higher

Procedure

Step 1 Complete the NTP-J22 Log into CTC procedure at a node where you want to configure CDP.

Step 2 Right-click the fabric or line card and choose **Open Packet Transport System View**. The Packet Transport System View dialog box appears.

Step 3 Click the **Provisioning** tab.

Step 4 From the left pane, click the **Port Configuration** tab.

Step 5 Check the **Enable System-Level CDP** check box to enable CDP on the CPT system.

Step 6 In the Port Configurations area, expand each slot and check the **CDP Enable** check box for each port that you want to enable CDP.

Step 7 Click **Apply** to save the configuration.

Step 8 Return to your originating procedure (NTP).