Cisco Discovery Protocol (CDP) Interface Settings on 200/300 Series Managed Switches

Objectives

Cisco Discovery Protocol (CDP) is a Link-Layer Cisco proprietary protocol that allows Cisco devices to communicate regardless of IP connectivity. It is used primarily to communicate protocol addresses and device capabilities. CDP sends frames that contain Type Length Values (TLVs), which are fields that contain different properties of the port and/or connection. The *CDP Interface Settings* page is used to enable or disable CDP per port. It is also used to configure notification triggers when there are conflicts with CDP neighbors.

The document explains how to configure CDP Interface Settings on the 200 and 300 Series Managed Switches.

Applicable Devices

SF/SG 200 and SF/SG 300 Series Managed Switches

Software Version

• v1.2.7.76

CDP Interface Settings

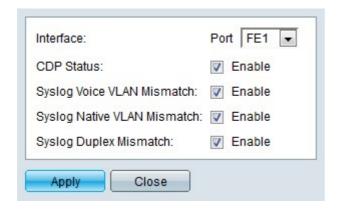
Step 1. Log in to the web configuration utility and choose **Administration > Discovery - CDP > Interface Settings**. The *Interface Settings* page opens:

CDP Interface Settings Table Showing 1-28 of 28 All ▼ per							
	Entry No.	Interface	e CDP Status	Reporting Conflicts with CDP Neighbors			No. of Neighbors
		4 6		Voice VLAN	Native VLAN	Duplex	
0		FE1	Enabled	Enabled	Enabled	Enabled	0
)	2	FE2	Enabled	Enabled	Enabled	Enabled	0
)	3	FE3	Enabled	Enabled	Enabled	Enabled	0
0	4	FE4	Enabled	Enabled	Enabled	Enabled	0
0	5	FE5	Enabled	Enabled	Enabled	Enabled	0
0	6	FE6	Enabled	Enabled	Enabled	Enabled	0
0	7	FE7	Enabled	Enabled	Enabled	Enabled	0
0	8	FE8	Enabled	Enabled	Enabled	Enabled	0
0	9	FE9	Enabled	Enabled	Enabled	Enabled	0
)	10	FE10	Enabled	Enabled	Enabled	Enabled	0
)	11	FE11	Enabled	Enabled	Enabled	Enabled	0
0	12	FE12	Enabled	Enabled	Enabled	Enabled	0
0	13	FE13	Enabled	Enabled	Enabled	Enabled	0
)	14	FE14	Enabled	Enabled	Enabled	Enabled	0
)	15	FE15	Enabled	Enabled	Enabled	Enabled	0
0	16	FE16	Enabled	Enabled	Enabled	Enabled	0
0	17	FE17	Enabled	Enabled	Enabled	Enabled	0
)	18	FE18	Enabled	Enabled	Enabled	Enabled	0
)	19	FE19	Enabled	Enabled	Enabled	Enabled	0
0	20	FE20	Enabled	Enabled	Enabled	Enabled	0
0	21	FE21	Enabled	Enabled	Enabled	Enabled	0
)	22	FE22	Enabled	Enabled	Enabled	Enabled	0
)	23	FE23	Enabled	Enabled	Enabled	Enabled	0
0	24	FE24	Enabled	Enabled	Enabled	Enabled	0
0	25	GE1	Enabled	Enabled	Enabled	Enabled	0
)	26	GE2	Enabled	Enabled	Enabled	Enabled	0
0	27	GE3	Enabled	Enabled	Enabled	Enabled	0
0	28	GE4	Enabled	Enabled	Enabled	Enabled	0

Note: You can click the **CDP Local Information Details** or **CDP Neighbor Information Details** buttons to navigate to the *CDP Local Information* page or *CDP Neighbor Information* pages respectively.

Step 2. Click the radio button of the port you want to edit.

Step 3. Click **Edit** to edit the CDP settings of the port. The *Edit CDP Interface Settings* window appears.



- Step 4. (Optional) From the Port drop-down list choose a port to configure.
- Step 5. Check **Enable** in the CDP Status field to enable CDP for the specified port.
- Step 6. Check **Enable** in the Syslog voice VLAN Mismatch field to generate a SYSLOG message when a voice VLAN mismatch is detected. This occurs when the Voice VLAN information of an ingress frame does not match that which the local device advertises.
- Step 7. Check **Enable** in the Syslog Native VLAN Mismatch field to generate a SYSLOG message when a native VLAN mismatch is detected. This occurs when the native VLAN information of an ingress frame does not match that which the local device advertises.
- Step 8. Check **Enable** in the Syslog Duplex Mismatch field to generate a SYSLOG message when duplex information mismatch is detected. This occurs when the duplex information of an ingress frame does not match that which the local device advertises.

Step 9. Click Apply.