

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:

Interface Settings

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

Interface: Port FE1 ▼

CDP Status: Enable

Syslog Voice VLAN Mismatch: Enable

Syslog Native VLAN Mismatch: Enable

Syslog Duplex Mismatch: Enable

Apply Close

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**.