

# Configure VLANs on the SPA8000 Analog Telephone Adapter

## Objective

A Virtual Local Area Network (VLAN) is a group of devices on one or more LANs that are configured logically so that they can communicate as if they were physically connected to each other. Members of a VLAN can only communicate with other members of the same VLAN.

This article explains how to make the SPA8000 Analog Telephone Adapter (ATA) a member of a VLAN.

## Applicable Device

- SPA8000

## Software Version

- 6.1.12

## VLAN Configuration

Step 1. Log in the web configuration utility as an administrator and choose **Advanced > Network > WAN Status**. The *WAN Status* page opens:

Network		Voice	
Status	<b>Wan Status</b>	Lan Status	Application
			Trunk Status
User Login basic   advanced			
<b>Internet Connection Settings</b>			
Connection Type:	Static IP <input type="button" value="v"/>		
<b>Static IP Settings</b>			
Static IP:	192.168.0.1	NetMask:	255.255.255.0
Gateway:	192.168.75.1		
<b>PPPoE Settings</b>			
PPPOE Login Name:	<input type="text"/>	PPPOE Login Password:	<input type="text"/>
PPPOE Service Name:	<input type="text"/>		
<b>Optional Settings</b>			
HostName:	SPA8000	Domain:	cisco.com
Primary DNS:	4.2.2.2	Secondary DNS:	192.168.75.1
DNS Server Order:	Manual <input type="button" value="v"/>	DNS Query Mode:	Parallel <input type="button" value="v"/>
Primary NTP Server:	135.11.11.11	Secondary NTP Server:	<input type="text"/>
DHCP IP Revalidate Timer:	0 Minutes		
<b>MAC Clone Settings</b>			
Enable MAC Clone Service:	no <input type="button" value="v"/>	Cloned MAC Address:	<input type="text"/>
<b>Remote Management</b>			
Enable WAN Web Server:	yes <input type="button" value="v"/>	WAN Web Server Port:	80
<b>VLAN Settings</b>			
Enable VLAN:	no <input type="button" value="v"/>	Enable CDP:	yes <input type="button" value="v"/>
VLAN ID:	1 [0x000-0xFFFF]		
<input type="button" value="Undo All Changes"/>		<input type="button" value="Submit All Changes"/>	

Step 2. Scroll down to the VLAN Settings area.

<b>VLAN Settings</b>			
Enable VLAN:	yes <input type="button" value="v"/>	Enable CDP:	yes <input type="button" value="v"/>
VLAN ID:	1 [0x000-0xFFFF]		

Step 2. Choose **Yes** from the *Enable VLAN* drop-down list to allow the SPA8000 to access a VLAN.

**Note:** Choose **Yes** if you want the device to connect to a specific VLAN. This VLAN has to be tagged, otherwise the device will work in the default VLAN.

Step 3. Enter the VLAN ID that you would like to assign to the SPA8000 in the *VLAN ID* field. The VLAN ID defines which VLAN the SPA8000 belongs to. The VLAN ID it has to be entered in hexadecimal .

Step 4. Choose the status that you would like to assign to the CDP from the *Enable CDP* drop-down list. Cisco Discovery Protocol (CDP) allows Cisco products to share information with other Cisco products to which they are directly connected.

Step 5. Click **Submit All Changes** to save the settings.