

Configuration of Native VLAN on the SF and SG 200/300 Series Managed Switches

Objective

Virtual LAN (VLAN) allows a group of hosts that are not connected to the same switch to communicate as if they were on the same broadcast domain. An interface that has VLAN traffic needs to have the VLANs assigned to that interface, or packets may be dropped. When GARP VLAN registration protocol (GVRP) is enabled for an interface, then VLANs can be dynamically assigned and it is not necessary to manually assign them.

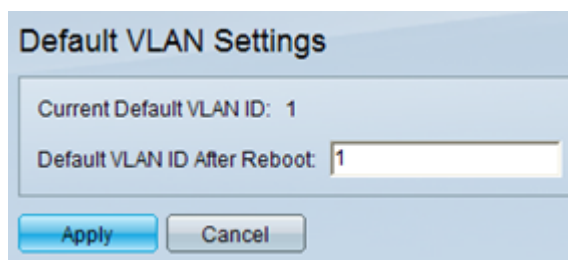
This document explains how to configure Native VLAN on the 200/300 switch series.

Applicable Devices

- 200 Series Switches
- 300 Series Switches

Native VLAN Configuration

Step 1. In the web configuration utility, choose **VLAN Management > Default VLAN Settings**. The *Default VLAN Settings* page opens:



The screenshot shows a web configuration utility window titled "Default VLAN Settings". It contains two text input fields. The first field is labeled "Current Default VLAN ID:" and contains the value "1". The second field is labeled "Default VLAN ID After Reboot:" and also contains the value "1". Below the input fields are two buttons: "Apply" and "Cancel".

Step 2. In the Default VLAN ID After Reboot field enter the VLAN which is your Native VLAN ID number.

Step 3. In the web configuration utility, choose **Administration > Management Interface > IPv4 Interface**. The *IPv4 Interface* page opens:

The screenshot shows the 'IPv4 Interface' configuration page. The 'Management VLAN' is set to '1'. The 'IP Address Type' is 'Static'. The 'IP Address' is '50.1.1.2'. The 'Mask' is 'Network Mask' with a value of '255.255.255.0'. The 'Default Gateway' is set to 'None'. The 'Operational Default Gateway' is empty. The 'Renew IP Address Now' checkbox is 'Enable'. The 'Auto Configuration via DHCP' is 'Enabled'. There are 'Apply' and 'Cancel' buttons at the bottom. A callout box points to the 'Management VLAN' dropdown menu.

Management VLAN: 1

IP Address Type: Dynamic Static

IP Address: 50.1.1.2

Mask: Network Mask 255.255.255.0 Prefix Length (Range)

Default Gateway: User defined None

Operational Default Gateway:

Renew IP Address Now: Enable

Auto Configuration via DHCP: Enabled

Apply Cancel

Use the Pull down menu and choose the VLAN you want to be your Management VLAN. You will need to assign a IP address for that VLAN. Our Small Business devices will only work with Class C subnets.

Step 4. Choose the VLAN you want to be the Management/Native VLAN in the Management VLAN drop-down list.

Step 5. Assign an IP address to the management VLAN in the IP Address field.

Step 6. Click **Apply** to save settings.