VEO-XTI1C / VEO-XRI1C
VEO-XTI2L / VEO-XRI2L

How to configure a Cisco SG300 Ethernet Switch for Ecler VEO over IP products

QUICK START GUIDE

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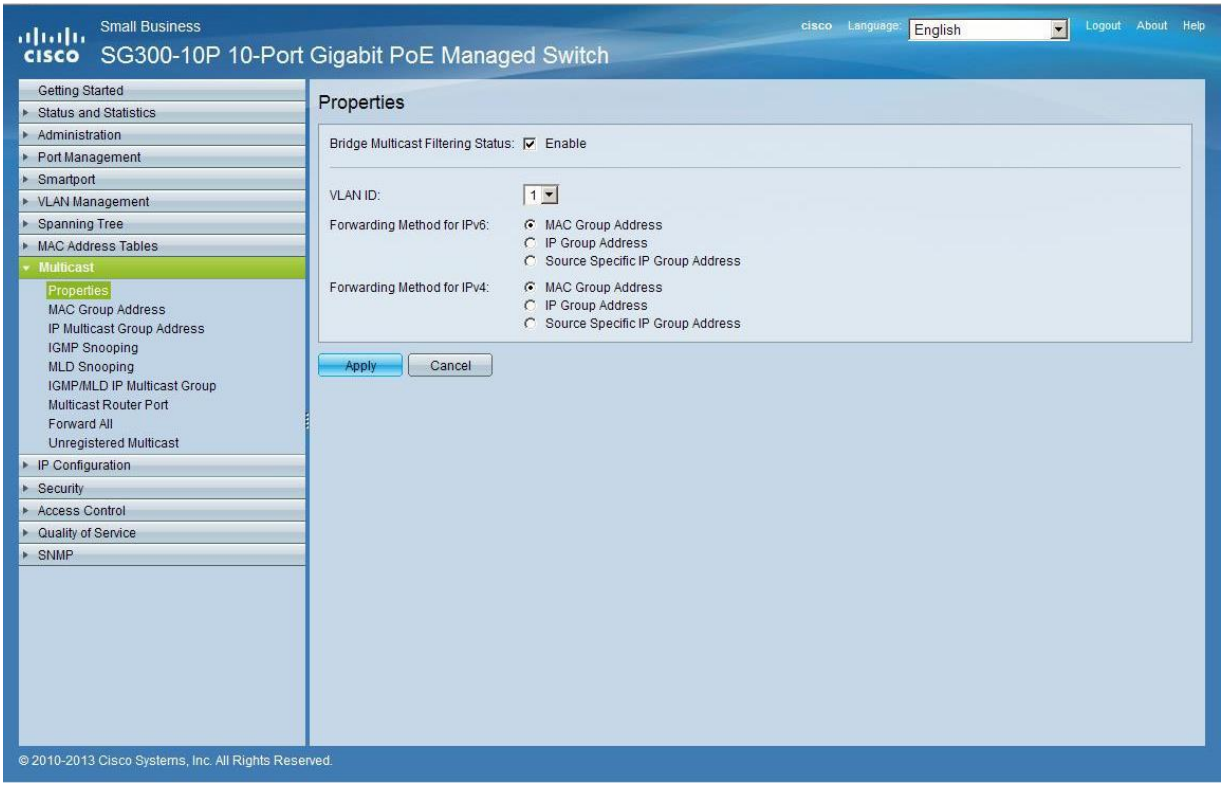
1. Establishing communication with the Cisco Ethernet Switch

1. Connect your computer to the Cisco Ethernet Switch using an Ethernet cable. The Cisco SG300 Ethernet Switch comes with a default Static IP address of **192.168.1.254**; you must configure your PC with a Static IP address in the same subnet.
2. Set a Static IP address on your computer network interface card, such as 192.168.1.66 along with the following mask 255.255.255.0.
3. Open your Internet browser and digit the default IP address of the switch: **http://192.168.1.254.** The **Default User ID** and **Password** for the unit is "**Cisco**".

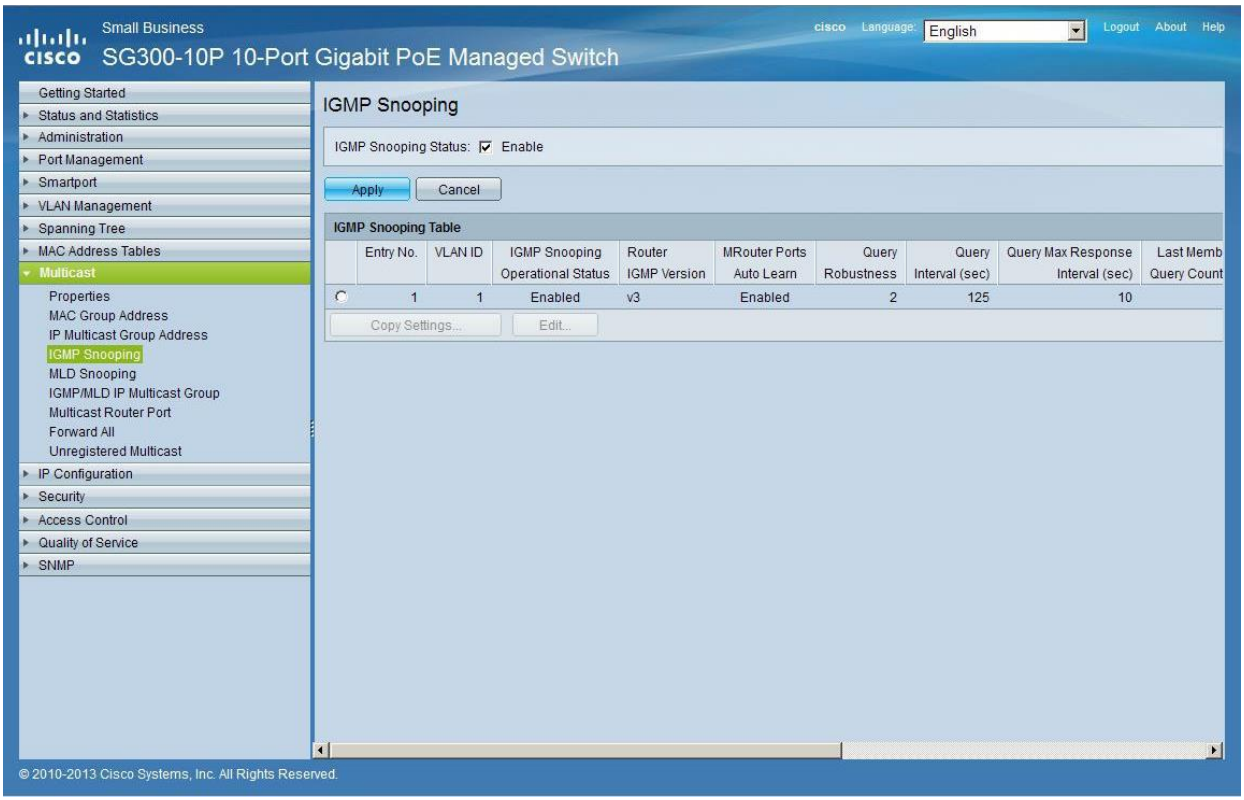
2. Enabling IGMP Protocol

The IGMP Protocol is mandatory for the correct operation of the VEO over IP products in multicast configurations. Without IGMP the audio/video can't work properly or may freeze.

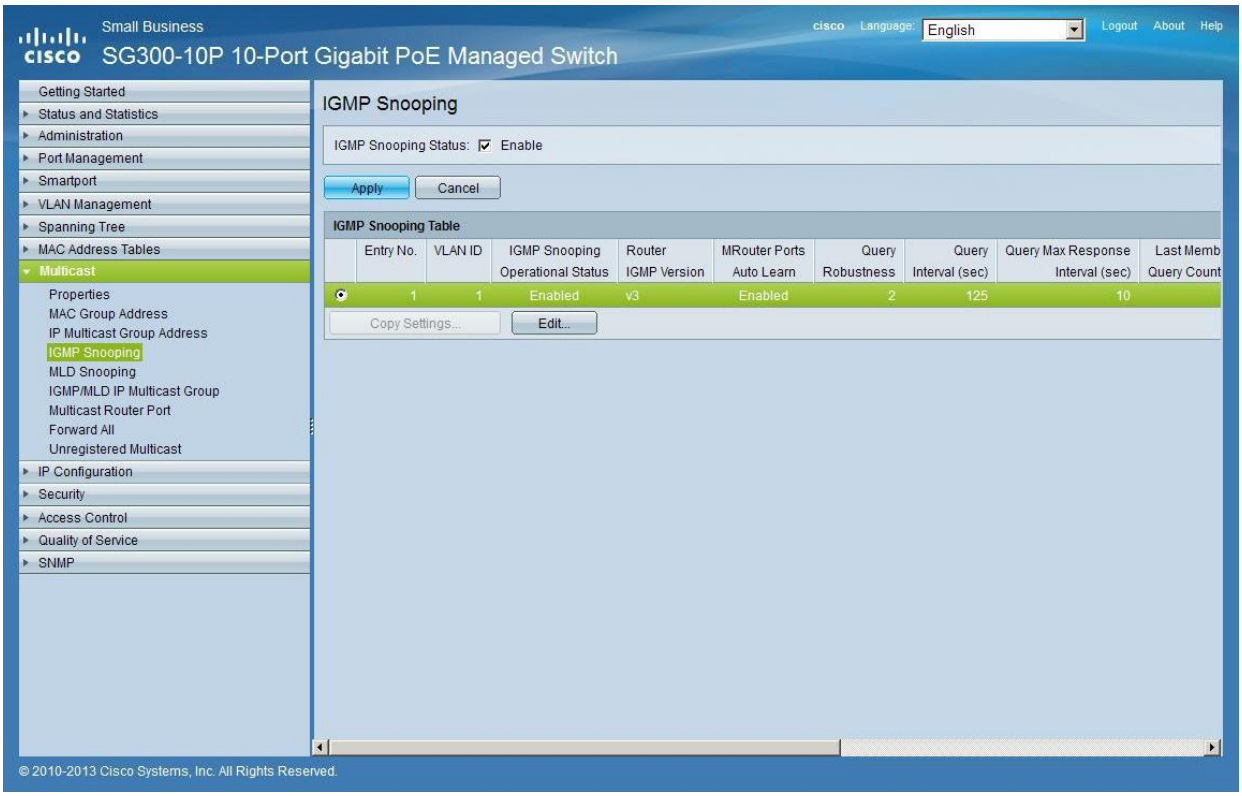
1. Select **Multicast** → **Properties**. Enable the **Bridge Multicast Filtering Status** by activating the related selection box and clicking on **Apply**.



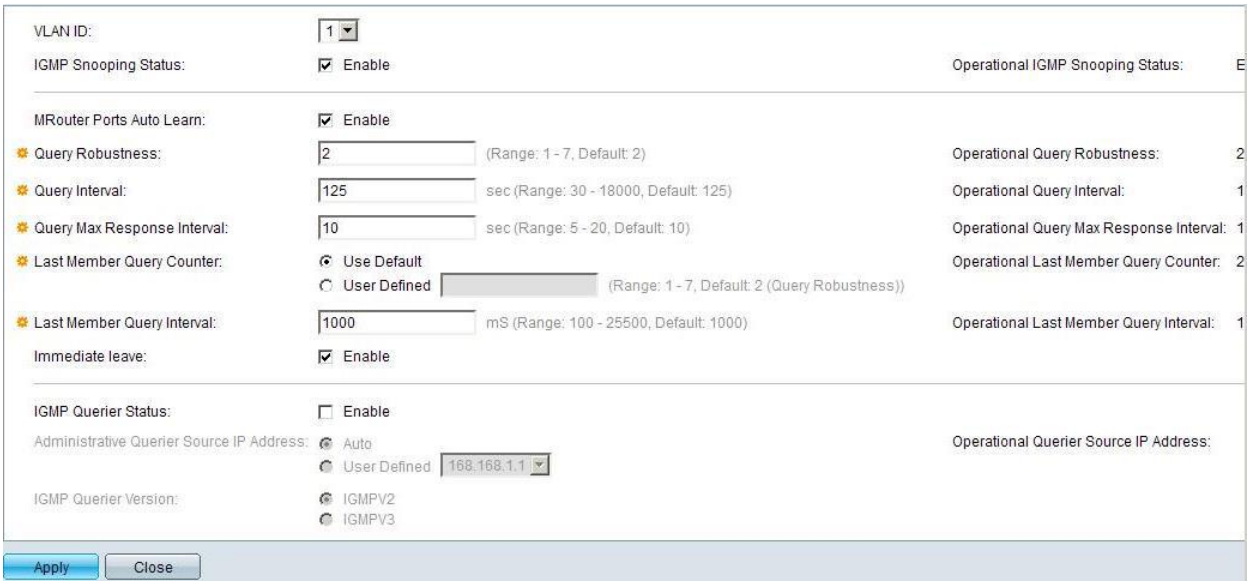
2. Select **Multicast → IGMP Snooping**. Enable the **IGMP Snooping Status** by activating the related selection box and clicking on **Apply**.



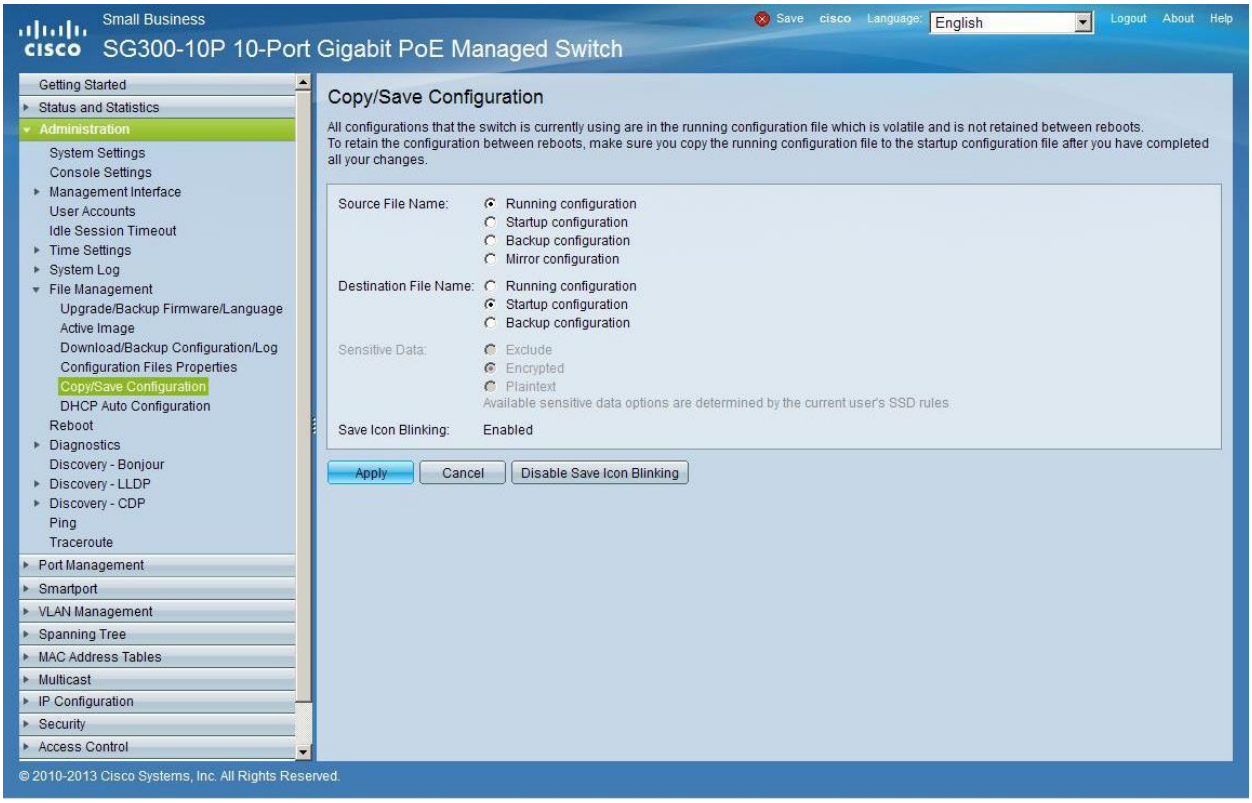
3. In the **IGMP Snooping Table**, select the default **VLAN ID 1** and click on **Edit**.



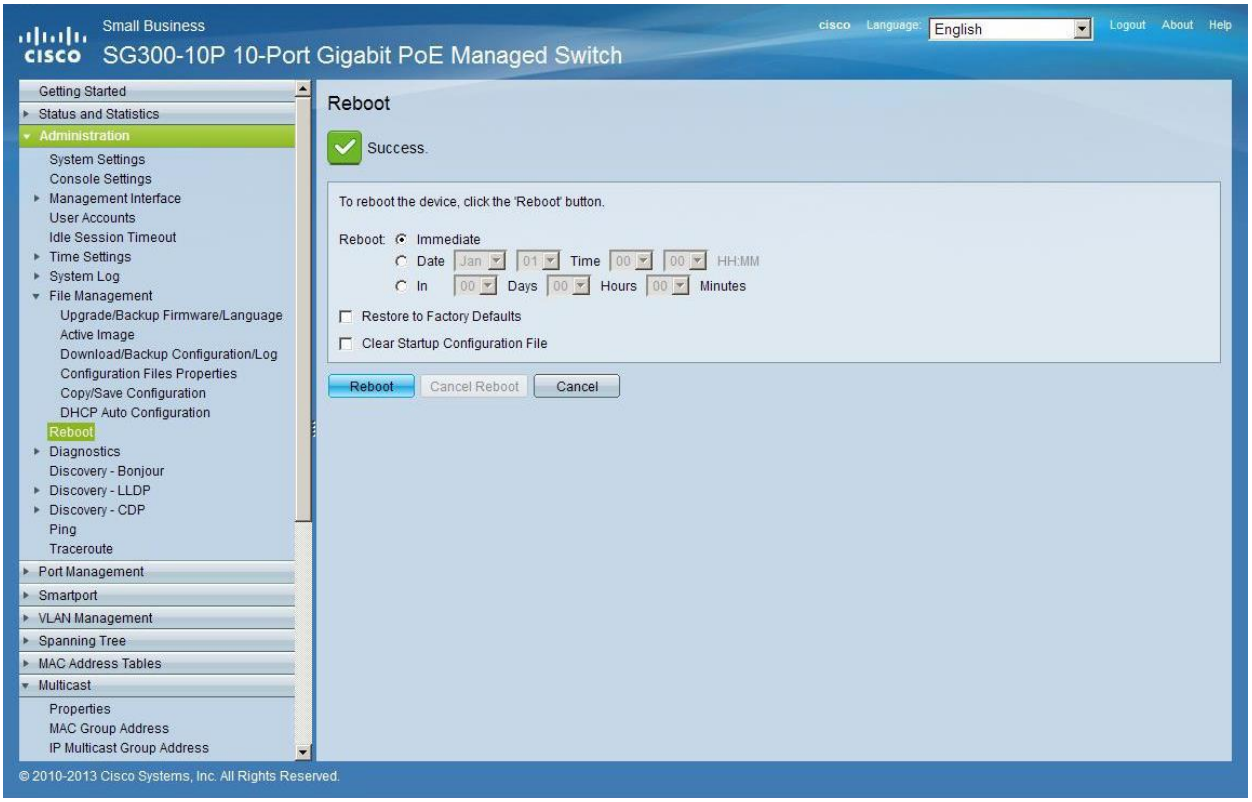
4. In the resulting window, activate the related selection box for **IGMP Snooping Status** and verify that the **Immediate Leave** selection box is enabled and then click on **Apply**.



5. Select **Administration** → **File Management** → **Copy/Save Configuration**. Enable **Running Configuration** and **Startup Configuration** as shown below and save all changes by clicking **Apply**.

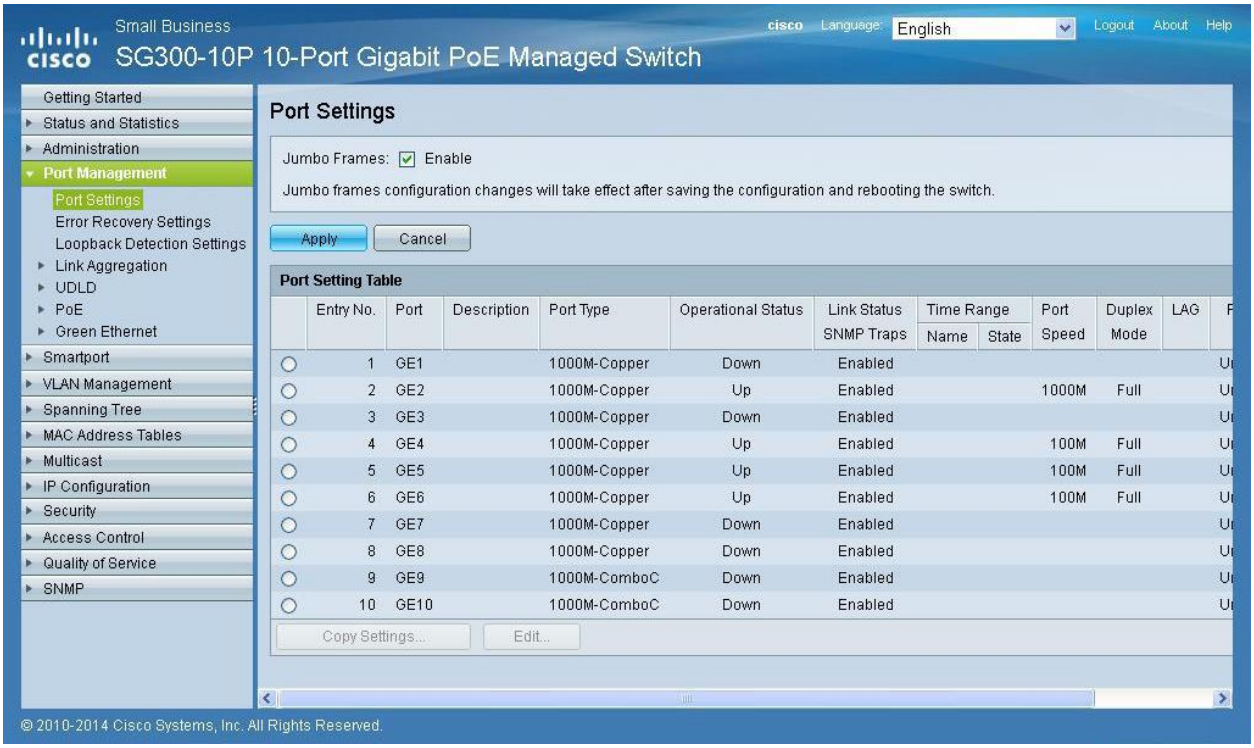


6. Select **Administration** → **File Management** → **Reboot**, and click on the **Reboot** button to reboot the Ethernet switch and make all the changes running.



3. Enabling Jumbo Frame

1. Select **Port Management** → **Port Settings**. Enable **Jumbo Frames** by activating the related selection box and click on **Apply**.

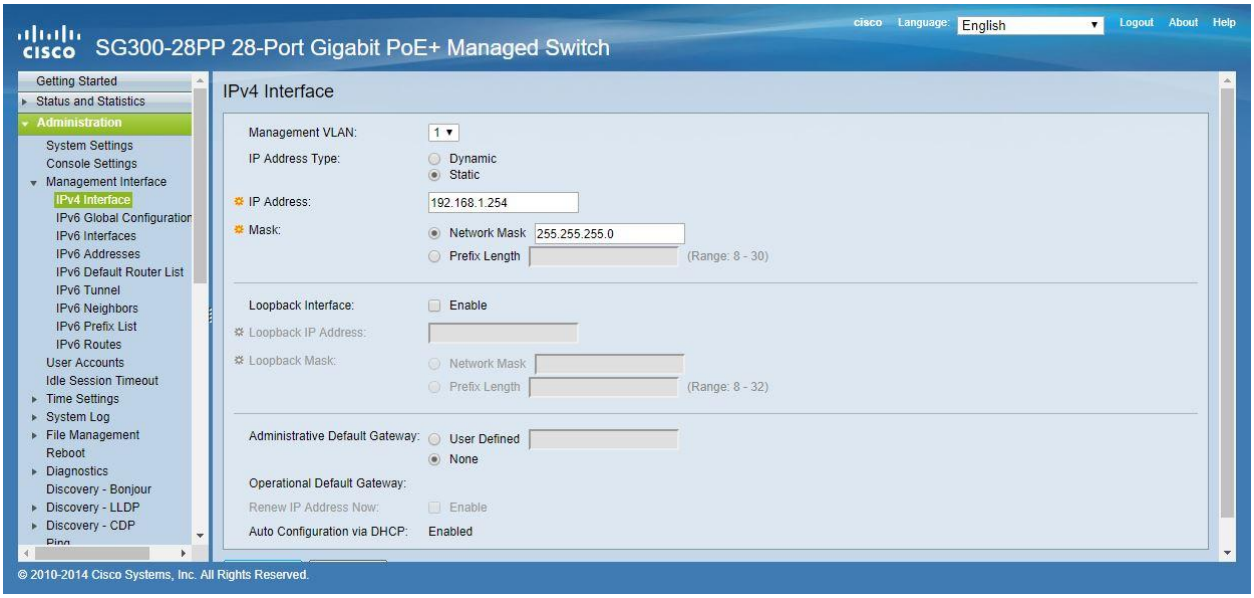


4. Configuring the DHCP Server

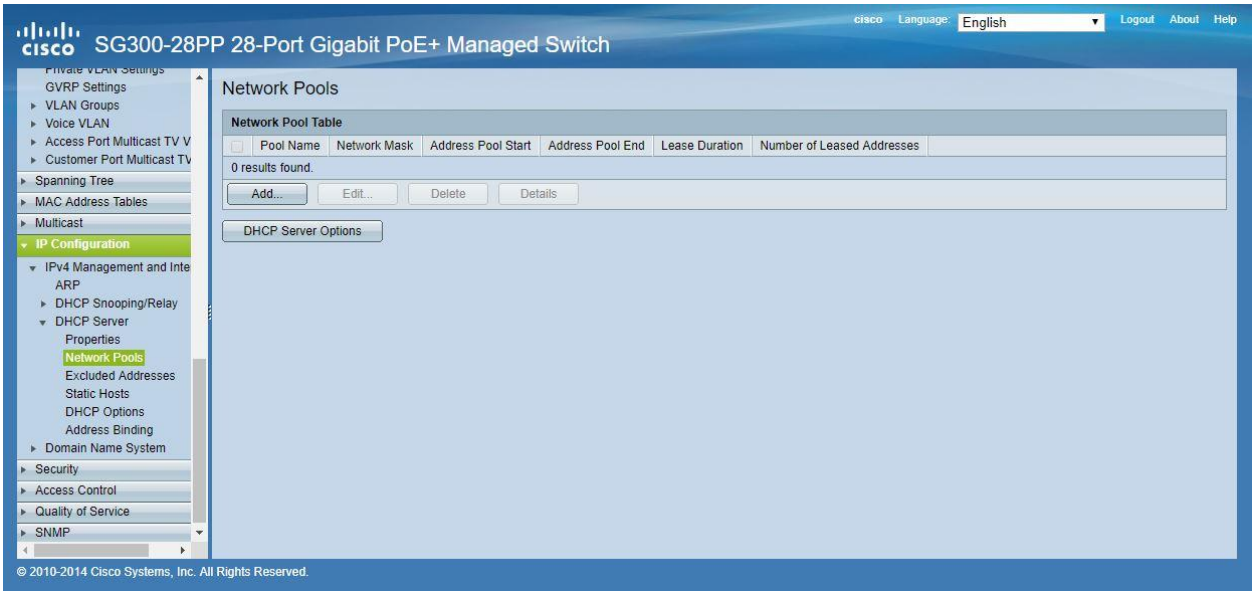
The DHCP Server will automatically configure the IP addresses of each device connected to the switch. All the devices need to be set as DHCP client in their own Network Configuration page. This allows avoiding any conflict between devices.

Note: Please check VEO user manual for IP configurations of each product, accordingly to your installation needs.

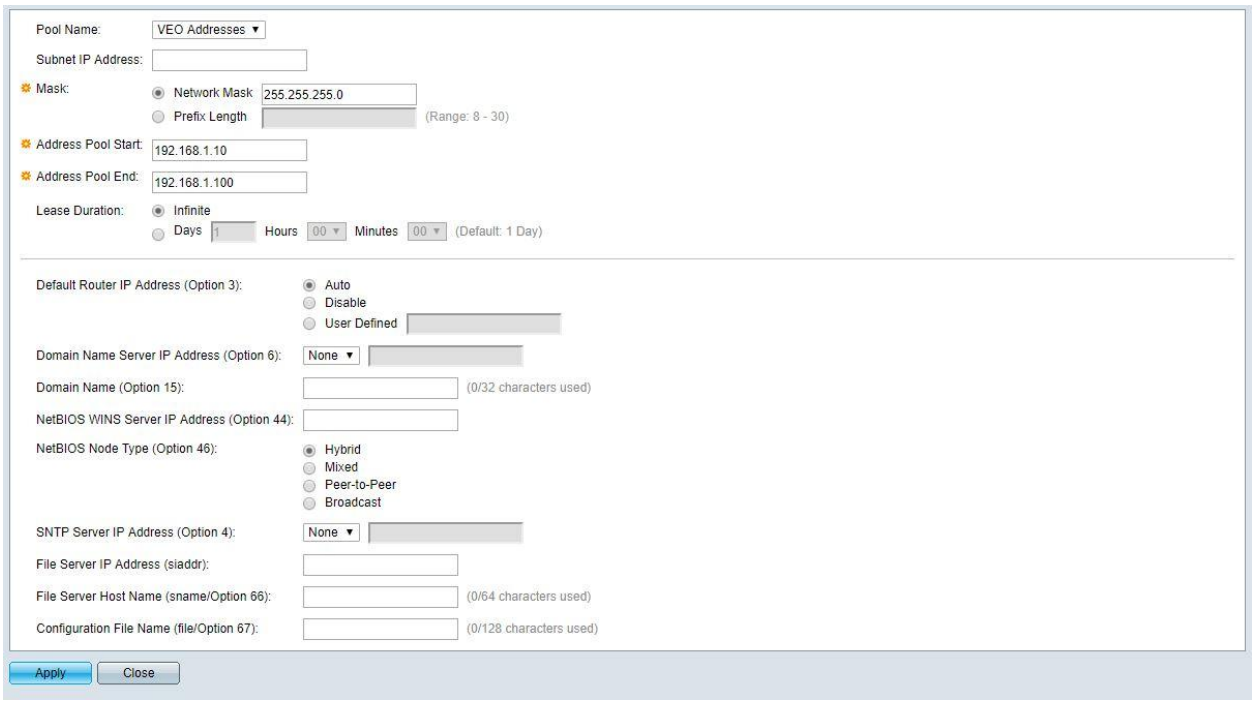
1. To change the **Ethernet Switch Static IP address** to the same subnet as the AV over IP Devices, select **Administration → Management Interface → IPv4 Interface**. Set **IP Address Type** to **Static**, and **enter the IP Address** (accordingly to your network requirements), and set the **Network Mask** to 255.255.255.0. In this case we e default IP address. **After applying these settings you need to change the IP address on your computer network interface card to the same subnet just set above**.



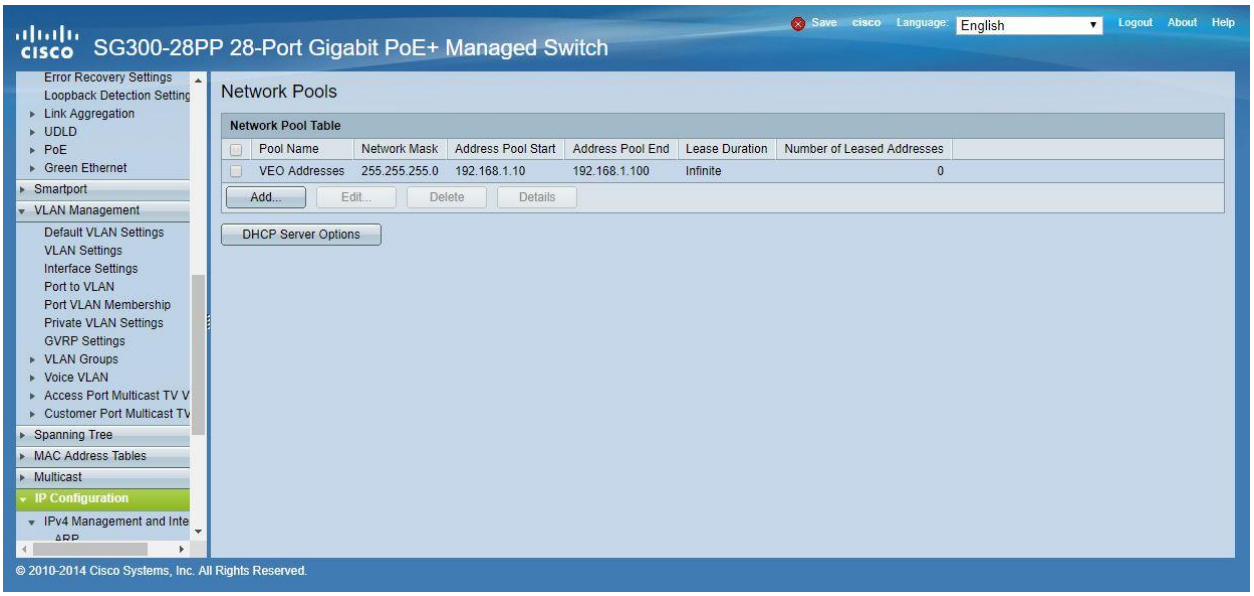
2. Select **IP Configuration → DHCP Server → Network Pools** and click on the **Add...** button



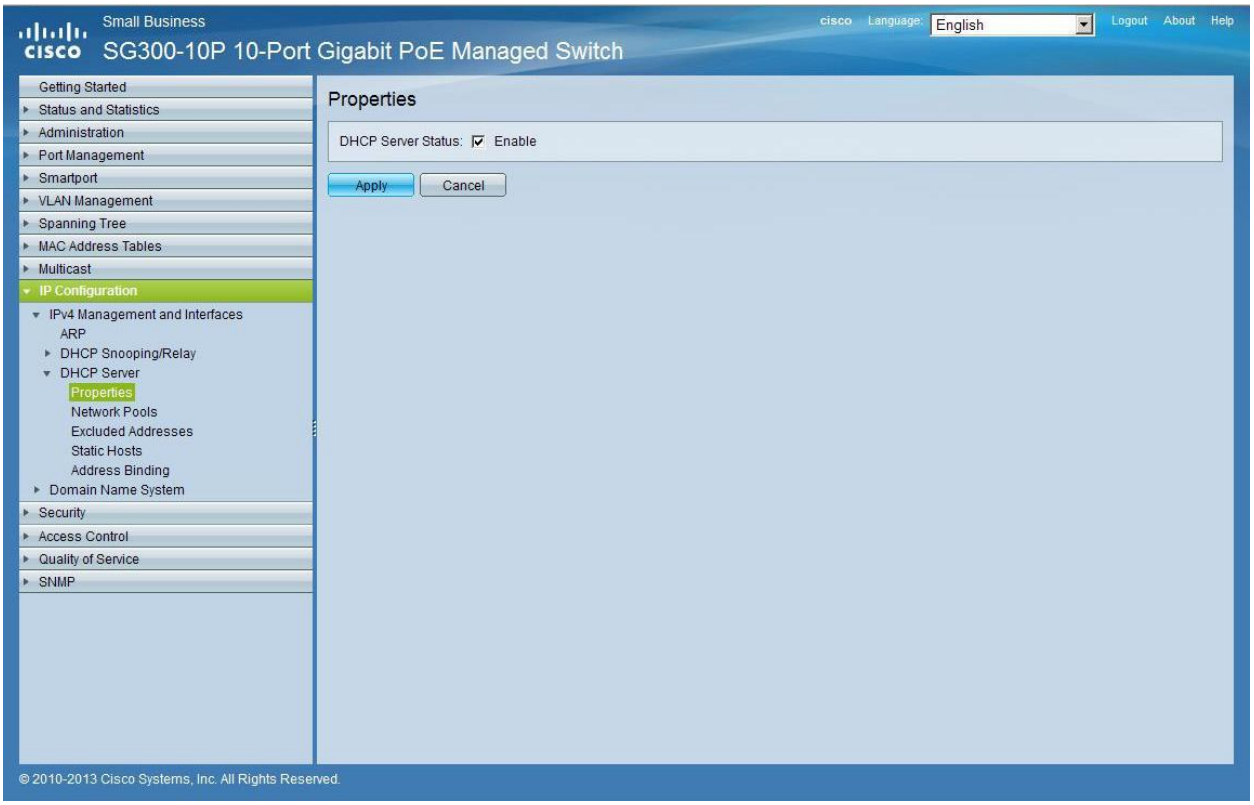
3. Set the **Pool Name**, the **Network Mask** (255.255.255.0), the **Address Pool Start** (192.168.1.10), and the **Address Pool End** (192.168.1.100). Verify that you allocate enough IP addresses for all Transmitters and Receivers present on the network.



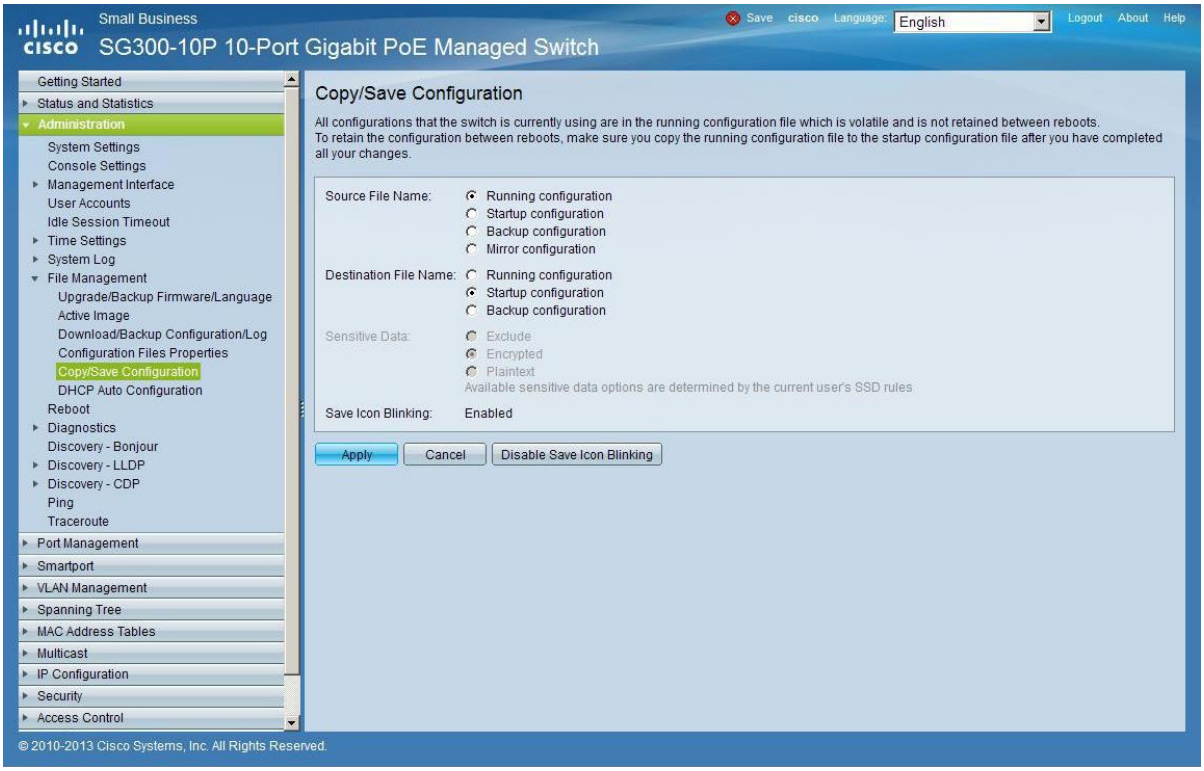
Click on the **Apply** button.



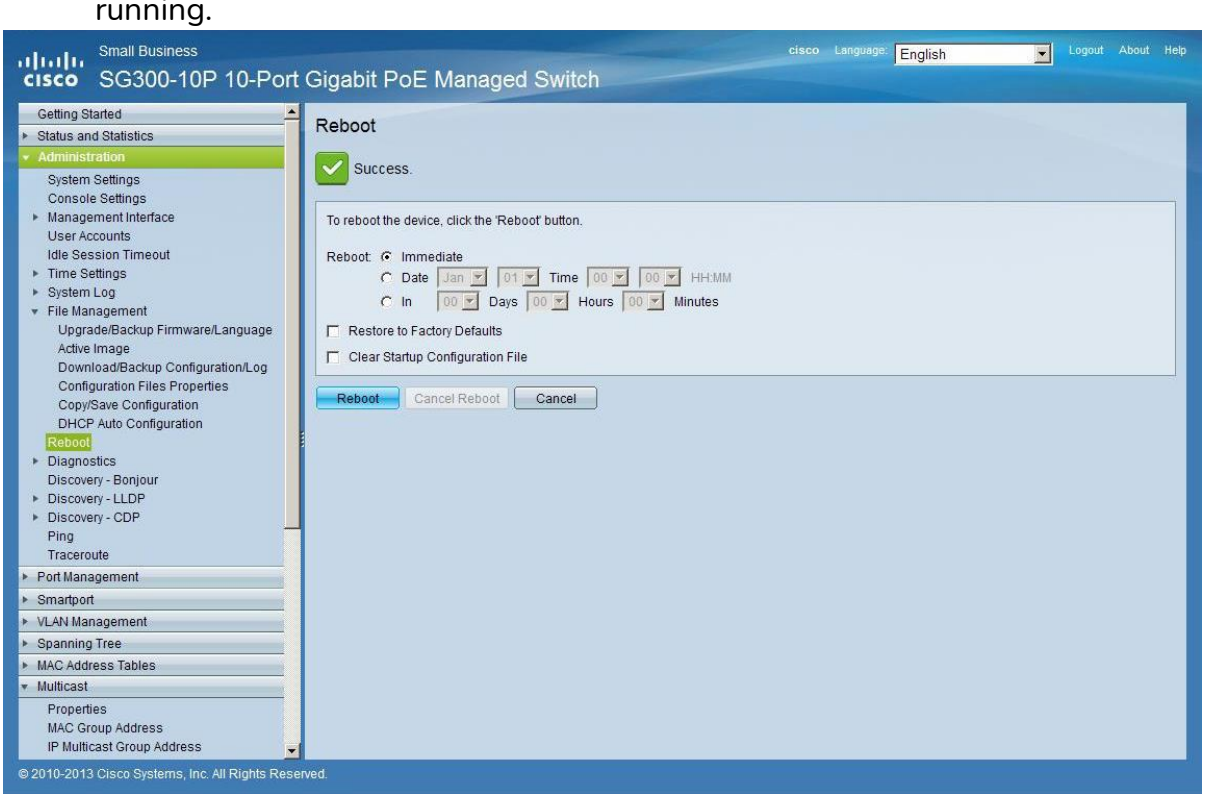
4. Select **IP Configuration → IPv4 Management and Interfaces → DHCP Server → Properties**.
   Enable the **DHCP Server Status** by activating the related selection box and clicking on **Apply**.



5. Select **Administration → File Management → Copy/Save Configuration**. Enable **Running Configuration** and **Startup Configuration** as shown below and save all changes by clicking **Apply**.



6. Select **Administration → File Management → Reboot**, and click on the **Reboot** button to reboot the Ethernet switch and make all the changes running.



All product characteristics are subject to variation due to production tolerances. **NEEC AUDIO BARCELONA S.L.** reserves the right to make changes or improvements in the design or manufacturing that may affect these product specifications.

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