Configuration of Multicast Router Ports on Sx500 Series Stackable Switches

Objective

Multicast Router ports (MRouter) are ports that connect to a multicast router. MRouter port numbers are included on the switch when it forwards the multicast streams and Internet Group Management Protocol / Multicast Listener Discovery (IGMP/MLD) registration messages. This is essential for the multicast router to forward multicast streams and forward registration messages to other subnets.

Before the configuration of the multicast router ports, VLANs need to be created. To create a new VLAN refer to the article, *VLAN Creation on Sx500 Series Stackable Switches.*

This article explains the configuration of Multicast Router ports on the switch.
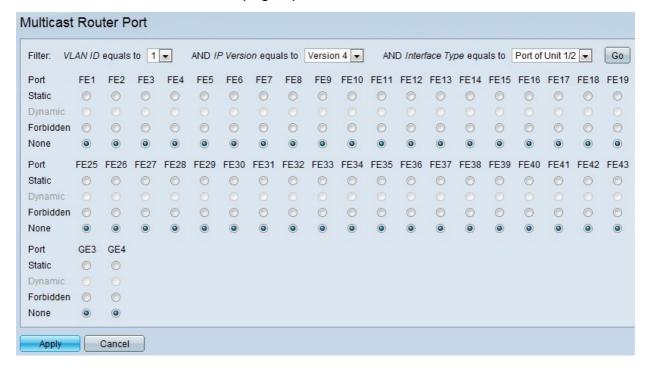
Applicable Devices

• Sx500 Series Stackable Switches

Software Version

• 1.3.0.62

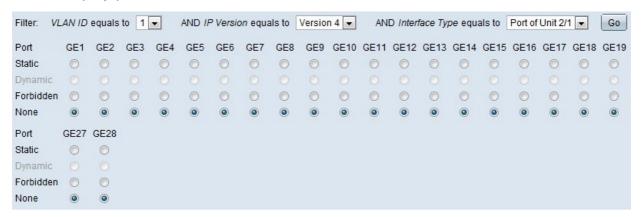## Configuration of Multicast Router Ports

Step 1. Log in to the web configuration utility, and choose **Multicast > Multicast Router Port**. The *Multicast Router Port* page opens:
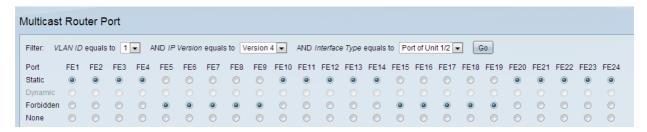

Step 2. Choose the VLAN ID from the first drop-down menu to the right of Filter for the router

ports that are described.

Step 3. Choose the IP Version from the second drop-down menu to the right of Filter in order to support Multicast Router.

Step 4. Choose the Interface type from the third drop-down menu to the right of Filter in order to display ports or LAGs.

• Port — Indicates the individual ports of the switch.

• LAG — Indicates the Link Aggregation Group (LAG) of the switch. A LAG consists of a set of ports. The Forward All multicast if configured as LAG makes all ports within the LAG to be configured.

Step 5. Click **Go,** which shows the interfaces matching the query criteria.

Step 6. For each port or LAG, click its association type from the following options:

• Static — Multicast router port is statically configured.

• Dynamic — Multicast router port is dynamically configured by a MLD / IGMP query. To enable the dynamic learning of Multicast Router ports, go to **Multicast > IGMP Snooping** and **Multicast > MLD Snooping**.

• Forbidden — Port should not be configured as a multicast router port, even if IGMP or MLD queries are received on this port. If **Auto Detect MRouter Ports** is enabled on this port, then the configuration is not successful.

• None — Port is not a Multicast router port at present.

Step 7. Click **Apply** to update the switch settings.