

Multicast Router Port Configuration on 200/300 Series Managed Switches

Objective

A multicast router is a router that recognizes and forwards multicast packets to the intended destination. A multicast router port is a port that connects to a multicast router. The switch includes the multicast router port numbers when it forwards the multicast streams and IGMP/MLD registration messages. This allows the connected multicast router to forward the multicast streams and propagate the registration to the other subnets.

This article explains how to configure the multicast router port settings to allow a connection between a multicast router and the 200/300 Series Managed Switches.

Applicable Devices

- SF/SG 200 and SF/SG 300 Series Managed Switches

Software Version

- 1.3.0.62

Multicast Router Port

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

Multicast Router Port

Filter: VLAN ID equals to AND IP Version equals to AND Interface Type equals to

Port	GE1	GE2	GE3	GE4	GE5	GE6	GE7	GE8	GE9	GE10	GE11	GE12	GE13	GE14	GE15	GE16	GE17	GE18	GE19	GE20	GE21	GE22	GE23	GE24
Static	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>
Dynamic	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>
Forbidden	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>
None	<input checked="" type="radio"/>	<input checked="" type="radio"/>	<input checked="" type="radio"/>	<input checked="" type="radio"/>	<input checked="" type="radio"/>	<input checked="" type="radio"/>	<input checked="" type="radio"/>	<input checked="" type="radio"/>	<input checked="" type="radio"/>	<input checked="" type="radio"/>	<input checked="" type="radio"/>	<input checked="" type="radio"/>	<input checked="" type="radio"/>	<input checked="" type="radio"/>	<input checked="" type="radio"/>	<input checked="" type="radio"/>	<input checked="" type="radio"/>	<input checked="" type="radio"/>	<input checked="" type="radio"/>	<input checked="" type="radio"/>	<input checked="" type="radio"/>	<input checked="" type="radio"/>	<input checked="" type="radio"/>	<input checked="" type="radio"/>

Port GE25 GE26

Static	<input type="radio"/>	<input type="radio"/>
Dynamic	<input type="radio"/>	<input type="radio"/>
Forbidden	<input type="radio"/>	<input type="radio"/>
None	<input checked="" type="radio"/>	<input checked="" type="radio"/>

Step 2. From the VLAN ID equals to drop-down list choose the appropriate VLAN ID of the multicast router.

Step 3. From the IP version equals to drop-down list choose the appropriate IP version of the multicast router.

Step 4. From the Interface Type equals to drop-down list choose the appropriate interface

type.

Step 5. Click **Go**. The appropriate interfaces that match the query are displayed.

Step 6. Click the radio button that corresponds to the desired association type for each interface.

- **Static** — The multicast router port is statically configured.
- **Dynamic** — The port is dynamically configured as a multicast router port by a MLD/IGMP query.
- **Forbidden** — This interface cannot be configured as a multicast router port, even if IGMP or MLD queries are received on this port. If Auto Detect multicast router ports is enabled on this port, the configuration does not succeed.
- **None** —The interface is not currently a multicast router port.

Note: The Dynamic option is for display only. Dynamic learning of multicast ports can be enabled on the *IGMP Snooping* and *MLD Snooping* pages.

Step 7. Click **Apply**.