

Configuration of Forward All Multicast on Sx500 Series Stackable Switches

Objective

Multicast forwarding allows the router to forward multicast traffic to networks where the multicast devices are listening. It blocks the forwarding of multicast traffic to networks where nodes are not listening. This page shows the configuration of ports and/or LAGs which are configured to get multicast streams from a particular VLAN. If this feature is disabled then this leads to flooding of Multicast traffic to ports in the switch.

This article explains the steps for the configuration of Forward All Multicast on Sx500 Series Stackable Switches.

Applicable Devices

- Sx500 Series Stackable Switches

Software Version

- 1.3.0.62

Configuration of Forward All Multicast

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

Forward All

Filter: VLAN ID equals to AND Interface Type equals to

Port	FE1	FE2	FE3	FE4	FE5	FE6	FE7	FE8	FE9	FE10	FE11	FE12
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"/>
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"/>
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"/>
Port	FE25	FE26	FE27	FE28	FE29	FE30	FE31	FE32	FE33	FE34	FE35	FE36
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"/>
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"/>
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"/>
Port	GE3	GE4										
Static	<input type="radio"/>	<input type="radio"/>										
Forbidden	<input type="radio"/>	<input type="radio"/>										
None	<input checked="" type="radio"/>	<input checked="" type="radio"/>										

Step 2. Choose the ID of the VLAN you wish to filter from the VLAN ID drop-down list.

Note: A port can be configured manually to Forward All, if the devices connected to the port do not support Internet Group Management Protocol (IGMP) and/or Multicast Listener Discovery (MLD). IGMP or MLD messages are not forwarded to ports which are defined as Forward All. The configuration affects only the ports which are members of the selected VLAN.

Interface Type equals to

FE5	FE6	FE7	FE8		FE12
<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"/>

Step 3. Choose the type of interface you wish to filter from the Interface Type drop-down list.

- 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.

Filter: VLAN ID equals to AND Interface Type equals to

Port	GE1	GE2	GE3	GE4	GE5	GE6	GE7	GE8	GE9	GE10	GE11	GE12	GE13	GE14
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"/>
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"/>
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"/>
Port	GE27	GE28												
Static	<input type="radio"/>	<input type="radio"/>												
Forbidden	<input type="radio"/>	<input type="radio"/>												
None	<input checked="" type="radio"/>	<input checked="" type="radio"/>												

Step 4. Click **Go** which makes the status of ports/LAGs to be shown.

Step 5. Click the appropriate radio button to define each Port/LAG. The possible choices are:

- Static — Port receives all Multicast frames.
- Forbidden — Port cannot receive any multicast frames even though the IGMP/MLD snooping assigned the port to be a part of the Multicast group.
- None — Port is not a Forward All port at present.

Step 6. Click **Apply** to update the running configuration file.

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