

# Configuration of Multicast Forward All for VLAN Ports on 300 Series Switches

## Objective

Multicast is the name of the process when one source sends a message to many destinations. The message that the source sends out is known as a multicast stream. Destinations in the same Virtual Local Area Network (VLAN) as the source are free to choose if they want to receive the multicast stream. The Multicast *Forward All* page allows you to choose which interfaces receive multicast streams in which VLANs. This article explains how to configure the multicast settings of interfaces on a 300 Series Managed Switch.

## Applicable Devices

- SF/SG 300 Series Managed Switches

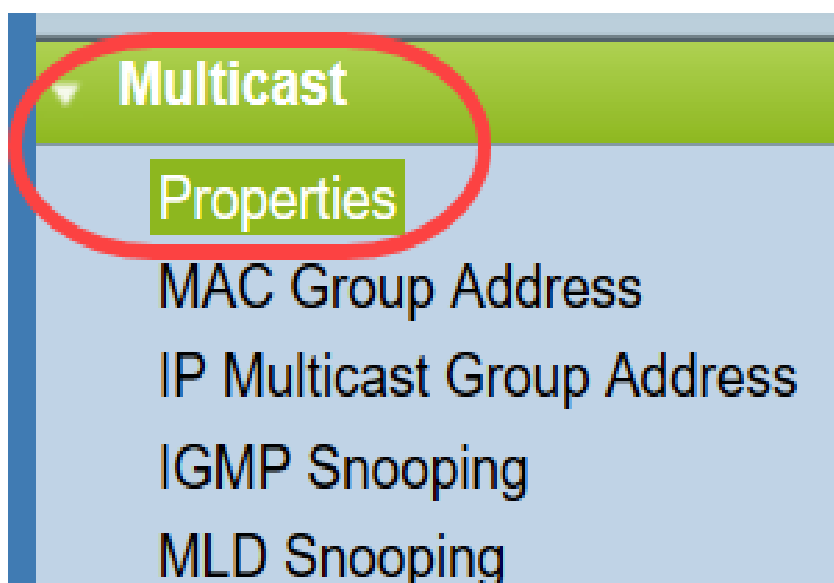
## Software Version

- 1.3.0.62

## Enable Bridge Multicast Filtering

Bridge Multicast Filtering must be enabled on the Multicast *Properties* page before you can configure multicast settings.

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



Step 2. Check the **Enable** check box in the *Bridge Multicast Filtering Status* field.

**Properties**

Bridge Multicast Filtering Status: ☒ **Enable**

VLAN ID:

Forwarding Method for IPv6:

- ☒ MAC Group Address
- ☐ IP Group Address
- ☐ Source Specific IP Group Address

Forwarding Method for IPv4:

- ☒ MAC Group Address
- ☐ IP Group Address
- ☐ Source Specific IP Group Address

Step 3. Click **Apply** to save your changes.

**Properties**

Bridge Multicast Filtering Status: ☒ Enable

VLAN ID:

Forwarding Method for IPv6:

- ☒ MAC Group Address
- ☐ IP Group Address
- ☐ Source Specific IP Group Address

Forwarding Method for IPv4:

- ☒ MAC Group Address
- ☐ IP Group Address
- ☐ Source Specific IP Group Address

## Configure Multicast Forward All for Ports or Lag

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



The *Forward All* page opens:

The screenshot shows the 'Forward All' configuration page. At the top, the title 'Forward All' is displayed. Below the title, there is a filter section with the text 'Filter: VLAN ID equals to' followed by a dropdown menu showing '1'. To the right of this is 'AND Interface Type equals to' followed by a dropdown menu showing 'Port'. A 'Go' button is located to the right of the 'Port' dropdown. Below the filter section, there are two tables of radio buttons. The first table has columns for ports GE1, GE2, GE3, GE4, GE5, GE6, GE7, GE8, GE9, GE10, and GE11. The second table has columns for ports GE25, GE26, GE27, and GE28. For each port, there are three radio button options: 'Static', 'Forbidden', and 'None'. The 'None' option is selected for all ports. At the bottom of the page, there are 'Apply' and 'Cancel' buttons.

Step 2. From the *VLAN ID equals to* drop-down list, choose a VLAN from which multicast streams can be accepted.

## Forward All

Filter: **VLAN ID equals to**   **AND Interface Type equals to**

Step 3. From the *Interface Type equals to* drop-down list, choose an interface type whose settings you will edit.

## Forward All

Filter: **VLAN ID equals to**   **AND Interface Type equals to**

Step 4. Click **Go**. The appropriate VLAN and interface type are displayed.

# Forward All

Filter: VLAN ID equals to  AND Interface Type equals to

Step 5. Click the radio button beneath the interface that corresponds with the method that corresponds how the interface should handle multicast streams.

- Static - Interface receives all multicast streams from the specified VLAN.
- Forbidden - Interface cannot receive any multicast streams.
- None - Interface is not a Forward All port.

# Forward All

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 checked="" 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 checked="" 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 type="radio"/>	<input checked="" type="radio"/>	<input checked="" type="radio"/>	<input checked="" type="radio"/>	<input checked="" type="radio"/>	<input checked="" type="radio"/>	<input type="radio"/>	<input checked="" type="radio"/>

Step 6. Click **Apply** to save your changes or click **Cancel** to undo your changes.

**Forward All**

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 checked="" 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 checked="" 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 type="radio"/>	<input checked="" type="radio"/>	<input checked="" type="radio"/>	<input checked="" type="radio"/>	<input checked="" type="radio"/>	<input checked="" type="radio"/>	<input type="radio"/>	<input checked="" type="radio"/>

Port	GE25	GE26	GE27	GE28	GE29	GE30	GE31	GE32	GE33	GE34	GE35	GE36	GE37
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"/>
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"/>
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"/>

Port	GE49	GE50	GE51	GE52
Static	<input type="radio"/>	<input type="radio"/>	<input checked="" type="radio"/>	<input type="radio"/>
Forbidden	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>
None	<input checked="" type="radio"/>	<input checked="" type="radio"/>	<input type="radio"/>	<input checked="" type="radio"/>

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