

Add a Multicast MAC Group Address on the 200/300 Series Managed Switches

Objective

Multicast enables communications between users. With the 200/300 Series Managed Switches, you can define a multicast group via a MAC address. When the switch receives a multicast packet via a VLAN that is configured for multicast purposes, the VLAN maps the multicast packet to the MAC group and all members of the group receive the multicast packet. With this option, you are able to select which interfaces on your switch are for multicast purposes which separate multicast traffic from the rest of the traffic.

This article explains how to configure a MAC group address for multicast purposes on the 200/300 Series Managed Switches.

Applicable Devices

- SF/SG 200 and SF/SG 300 Series

Software Version

- 1.3.0.62

Configure a MAC Group Address

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

VLAN ID	MAC Group Address
10	01:00:cc:dd:ee:cc

Step 2. Click **Add**. The *Add MAC Group Address* window appears.

VLAN ID: 10 (Range: 1 - 4094)
MAC Group Address: 01:00:cc:dd:ee:cc

Step 3. In the VLAN ID field, enter the ID number of the VLAN you want the MAC group to

have.

Step 4. In the MAC Group Address field, enter the MAC address that identifies the multicast group.

Step 5. Click **Apply**.

MAC Group Address

MAC Group Address Table

Filter: VLAN ID equals to (Range: 1 - 4094)

MAC Group Address equals to **Go** Clear Filter

<input type="checkbox"/>	VLAN ID	MAC Group Address
<input type="checkbox"/>	10	01:00:cc:dd:ee:cc

Add... Delete Details...

Step 6. (Optional) To find a MAC multicast group, you can filter the VLAN ID, MAC group address, or both. In the Filter field, check the appropriate check box and click **Go** to begin the search of the MAC multicast group:

- *VLAN ID* equals to — Enter the VLAN ID of the MAC multicast group.
- *MAC Group Address* equals to — Enter the MAC address of the MAC multicast group.

MAC Group Address

MAC Group Address Table

Filter: VLAN ID equals to (Range: 1 - 4094)

MAC Group Address equals to Go Clear Filter

<input checked="" type="checkbox"/>	VLAN ID	MAC Group Address
<input checked="" type="checkbox"/>	10	01:00:cc:dd:ee:cc

Add... Delete Details...

Step 7. To register the interfaces of the switch to the MAC multicast group, check the check box of desired group, and click **Details**. The *MAC Group Address Settings* window appears.

VLAN ID: 10

MAC Group Address: 01:00:cc:dd:ee:cc

Filter: *Interface Type* equals to **Go**

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

Apply Close

Step 8. In the Filter: *Interface Type* equals to drop-down list, choose whether to show the ports interfaces or the LAG (Link Aggregation Group) interfaces.

Step 9. Click **Go**.

Step 10. For each interface, choose how the interface is associated with the MAC multicast group. For each interface, click one of the following:

- Static — Adds the interface to the MAC multicast group as a static member.
- Forbidden — Indicates that this interface is not allowed to join the MAC multicast group.
- None — Indicates that this interface currently does not belong to the MAC multicast group.

Step 11. Click **Apply**.