

# Cisco SG300 IGMP setup

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Cisco Firmware V1.3.7.18

The screenshot shows the 'Properties' configuration page for Multicast. The left sidebar contains a navigation menu with the following items: Getting Started, Status and Statistics, Administration, Port Management, Smartport, VLAN Management, Spanning Tree, MAC Address Tables, Multicast (expanded), Properties (highlighted), MAC Group Address, IP Multicast Group Address, IGMP Snooping, MLD Snooping, IGMP/MLD IP Multicast Group, Multicast Router Port, Forward All, and Unregistered Multicast. The main content area is titled 'Properties' and contains the following settings:

- Bridge Multicast Filtering Status:  Enable
- VLAN ID: 1
- 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

At the bottom of the configuration area are 'Apply' and 'Cancel' buttons.

The screenshot shows the 'IP Multicast Group Address' configuration page. The left sidebar is similar to the previous screenshot, but with 'IP Multicast Group Address' highlighted under the 'Multicast' section. The main content area is titled 'IP Multicast Group Address' and contains the following information:

The Bridge Multicast Filtering is currently enabled.  
For IP Multicast Configuration to be effective, the [Bridge Multicast Filtering](#) must be enabled.

**IP Multicast Group Address Table**

Filter:  VLAN ID equals to [ ] (Range: 1 - 4094)  
 IP Version equals to [Version 4]  
 IP Multicast Group Address equals to [ ]  
 Source IP Address equals to [ ] [Go]

<input type="checkbox"/>	VLAN ID	IP Multicast Group Address	Source IP Address
<input type="checkbox"/>	1	224.0.0.251	*
<input type="checkbox"/>	1	224.0.1.60	*
<input type="checkbox"/>	1	239.253.112.47	*
<input type="checkbox"/>	1	239.255.250.250	*
<input type="checkbox"/>	1	239.255.250.251	*
<input type="checkbox"/>	1	239.255.255.250	*

At the bottom of the table are 'Add...', 'Delete', and 'Details...' buttons.

Getting Started

- Status and Statistics
  - System Summary
  - Interface
  - Etherlike
  - GVRP
  - 802.1x EAP
  - TCAM Utilization
  - ▶ RMON
  - ▶ View Log
- Administration
  - ▶ Port Management
  - ▶ Smartport
  - ▶ VLAN Management
  - ▶ Spanning Tree
  - ▶ MAC Address Tables
  - ▶ Multicast
    - Properties
    - MAC Group Address
    - IP Multicast Group Address
    - IGMP Snooping**
    - MLD Snooping
    - IGMP/MLD IP Multicast Group
    - Multicast Router Port
    - Forward All
    - Unregistered Multicast
  - ▶ IP Configuration
  - ▶ Security
  - ▶ Access Control
  - ▶ Quality of Service
  - ▶ SNMP

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## IGMP Snooping

IGMP Snooping Status:  Enable

Entry No.	VLAN ID	IGMP Snooping Operational Status	Router IGMP Version	MRouter Ports Auto Learn	Query Robustness	Query Interval (sec)	Que Inter
1	1	Enabled	v2	Enabled	2	125	

Edit IGMP Snooping - Windows Internet Explorer

http://10.2.3.90/cs22359dfd/GW/PopUp.htm?Edit

VLAN ID:

IGMP Snooping Status:  Enable

MRouter Ports Auto Learn:  Enable

Query Robustness:  (Range: 1 - 7, Default: 2)

Query Interval:  sec (Range: 30 - 18000, Default: 125)

Query Max Response Interval:  sec (Range: 5 - 20, Default: 10)

Last Member Query Counter:  Use Default  User Defined  (Range: 1 - 7, Default: 2)

Last Member Query Interval:  mS (Range: 100 - 25500, Default: 1000)

Immediate leave:  Enable

IGMP Querier Status:  Enable

Administrative Querier Source IP Address:  Auto  User Defined

IGMP Querier Version:  IGMPV2  IGMPV3

Getting Started

- Status and Statistics
- Administration
- Port Management
- Smartport
- VLAN Management
- Spanning Tree
- MAC Address Tables
- ▶ Multicast
  - Properties
  - MAC Group Address
  - IP Multicast Group Address
  - IGMP Snooping
  - MLD Snooping
  - IGMP/MLD IP Multicast Group
  - Multicast Router Port
  - Forward All
  - Unregistered Multicast**

## Unregistered Multicast

Filter: *Interface Type* equals to

Port	GE1	GE2	GE3	GE4	GE5	GE6	GE7	GE8	GE9	GE10
Forwarding	<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"/>
Filtering	<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"/>