

IGMP

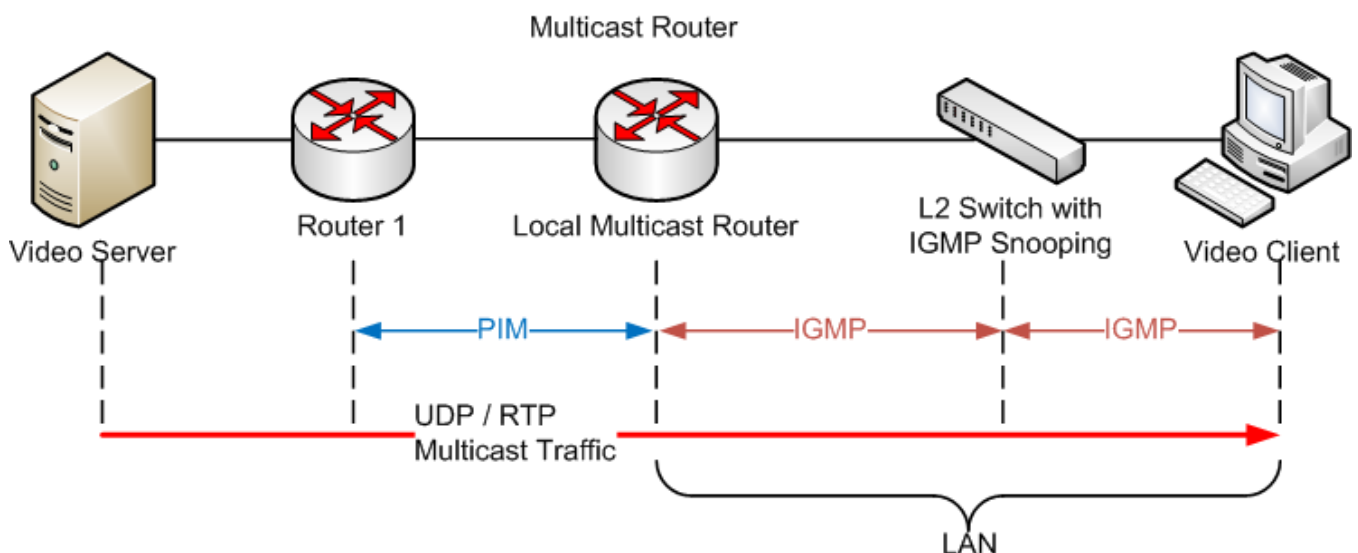
RGS200-12P

Support Notes

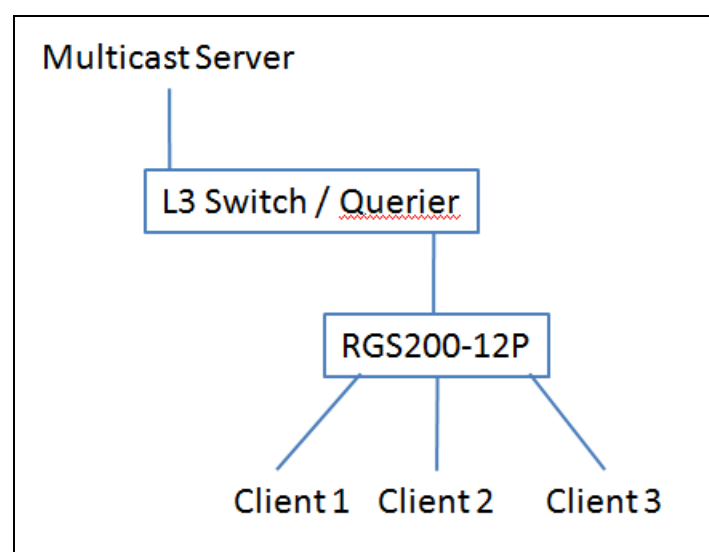
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IGMP Application Guide

IGMP is an acronym for **I**nternet **G**roup **M**anagement **P**rotocol. It is a communications protocol used to manage the membership of Internet Protocol multicast groups. IGMP is used by IP hosts and adjacent multicast routers to establish multicast group memberships. It is an integral part of the IP multicast specification, like ICMP for unicast connections. IGMP can be used for online video and gaming, and allows more efficient use of resources when supporting these uses.



Example1:



1. Go to “Configuration→IPMC→Basic Configuration” to select the check box of “Snooping Enable”
2. Un-select the check box of “Unregistered IPMCv4 Flooding Enabled”
3. If Multicast stream is from L3 switch, then the uplink port have to be “Router Port”

Notice: If an aggregation member port is selected as a router port, the whole aggregation will act as a router port.

IGMP Snooping Configuration

Global Configuration

Snooping Enabled	<input checked="" type="checkbox"/>
Unregistered IPMCv4 Flooding Enabled	<input type="checkbox"/>
IGMP SSM Range	232.0.0.0 / 8
Leave Proxy Enabled	<input type="checkbox"/>
Proxy Enabled	<input type="checkbox"/>

Port Related Configuration

Port	Router Port	Fast Leave	Throttling
*	<input type="checkbox"/>	<input type="checkbox"/>	<>
1	<input type="checkbox"/>	<input type="checkbox"/>	unlimited
2	<input type="checkbox"/>	<input type="checkbox"/>	unlimited
3	<input type="checkbox"/>	<input type="checkbox"/>	unlimited
4	<input type="checkbox"/>	<input type="checkbox"/>	unlimited
5	<input type="checkbox"/>	<input type="checkbox"/>	unlimited
6	<input type="checkbox"/>	<input type="checkbox"/>	unlimited
7	<input type="checkbox"/>	<input type="checkbox"/>	unlimited
8	<input type="checkbox"/>	<input type="checkbox"/>	unlimited
9	<input type="checkbox"/>	<input type="checkbox"/>	unlimited
10	<input type="checkbox"/>	<input type="checkbox"/>	unlimited
11	<input type="checkbox"/>	<input type="checkbox"/>	unlimited
12	<input checked="" type="checkbox"/>	<input type="checkbox"/>	unlimited

Save Reset

4. Go to “Configuration→IPMC→VLAN Configuration” to select the check box of “Snooping Enable” and set VLAN ID of port14.

IGMP Snooping VLAN Configuration

Start from VLAN 1 with 20 entries per page.

Delete	VLAN ID	Snooping Enabled	Querier Election	Querier Address	Compatibility
<input type="checkbox"/>	1	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	192.168.1.254	IGMP-Auto
<input type="checkbox"/>	100	<input checked="" type="checkbox"/>	<input type="checkbox"/>	192.168.100.254	IGMP-Auto

Add New IGMP VLAN

Save Reset

Back to management switch,

Go to “Monitor→ IPMC→ Groups Information”, you will see the stream IP in the table.

- ▶ Configuration
- ▼ Monitor
 - ▶ System
 - ▶ EEE
 - ▶ Ports
 - ▶ DHCP
 - ▶ Security
 - ▶ LACP
 - Loop Protection
 - ▶ Spanning Tree
 - ▶ MVR
 - ▼ IPMC
 - ▼ IGMP Snooping
 - Status
 - Groups
 - Information
 - IPv4 SFM
 - Information
 - ▶ MLD Snooping
 - ▶ LLDLP
 - PoE
 - MAC Table
 - ▶ VLANs
 - RingV2
 - ▶ DDMI
- ▶ Diagnostics
- ▶ Maintenance

IGMP Snooping Group Information

Start from VLAN and group address with entries per page.

VLAN ID	Groups	Port Members											
		1	2	3	4	5	6	7	8	9	10	11	12
1	239.239.239.239							✓					
1	239.255.255.250							✓		✓			