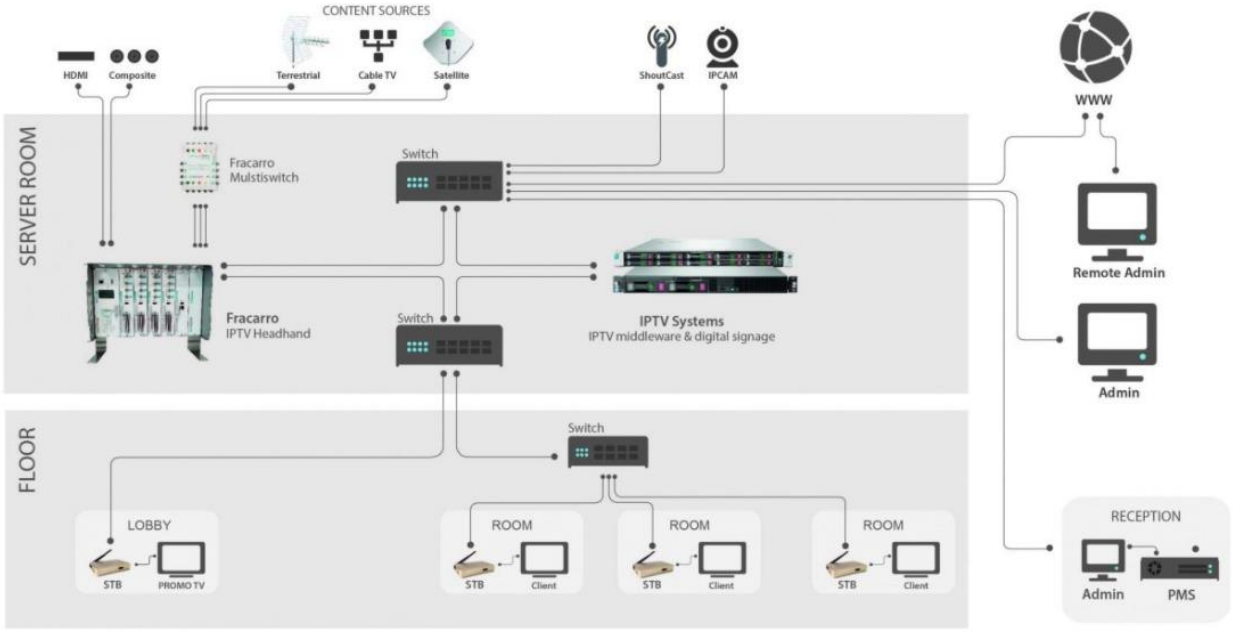
[IPTV Fracarro Solution & GIGAMEDIA Switch]

IGMP configuration in a network dedicated to IPTV



Example with IPTV Fracarro Solution and GS200 Switches

More information about IPTV Fracarro Solution :

https://fracarro.com/fr/solutions-hospitality/solutions-iptv/

What is IPTV :

Internet Protocol Television or IPTV, is the delivery of television content over Internet Protocol (IP)

What is IGMP :

Internet Group Management Protocol (IGMP) is a protocol that allows IP routers to dynamically determine which multicast groups have clients in a subnet.

IGMP is a protocol executed between the host machines of the same subnet and the multicast routers of this subnet. It allows a host machine to inform one of these multicast routers about its current subscriptions to multicast groups. Routers maintain the list of multicast groups to which host machines have reported that they are subscribed.

IGMP SNOOPING

IGMP Snooping controls these multicast groups by monitoring and analyzing multicast packets exchanged between upstream Layer 3 multicast devices and downstream hosts to suppress unnecessary multicast data transfer in multicast networks. layer 2

GS200 Switch configuration:

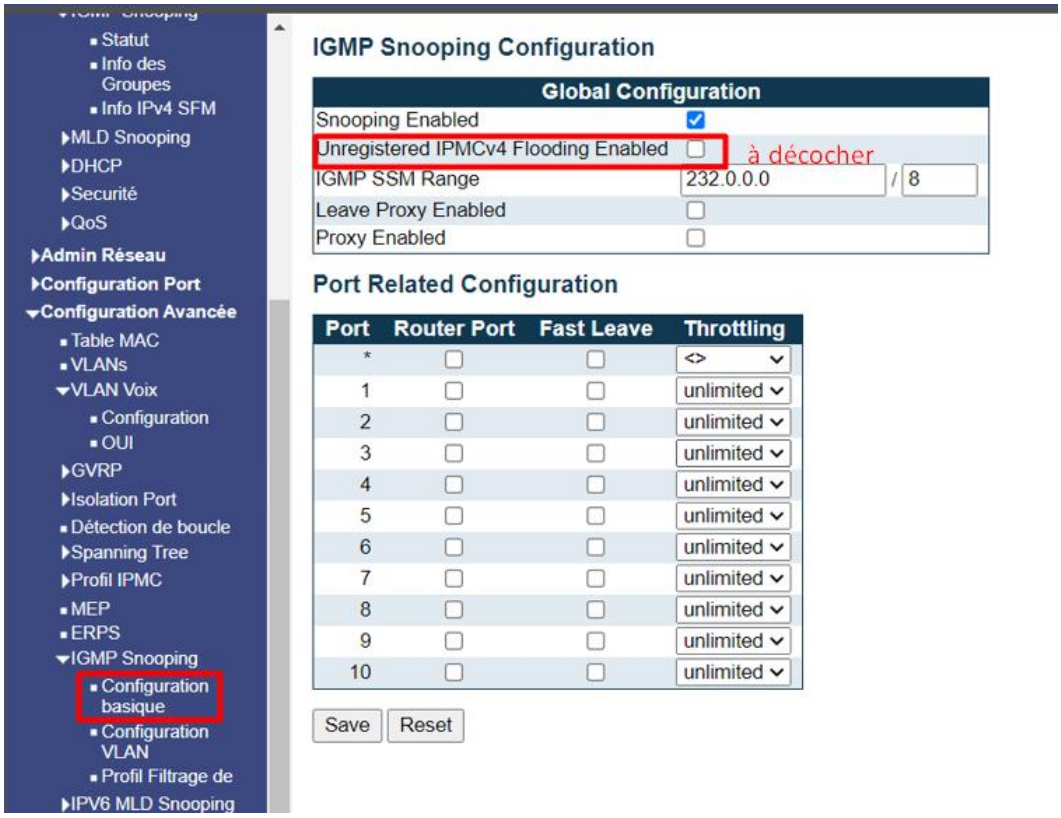
Depending on the size of the installation, you have to made the difference between Master Switch (where the IPTV server is connected) and switch for TV client.

And it's better to use a Vlan dedicated for IPTV (here VLAN 10)

Master Switch side :

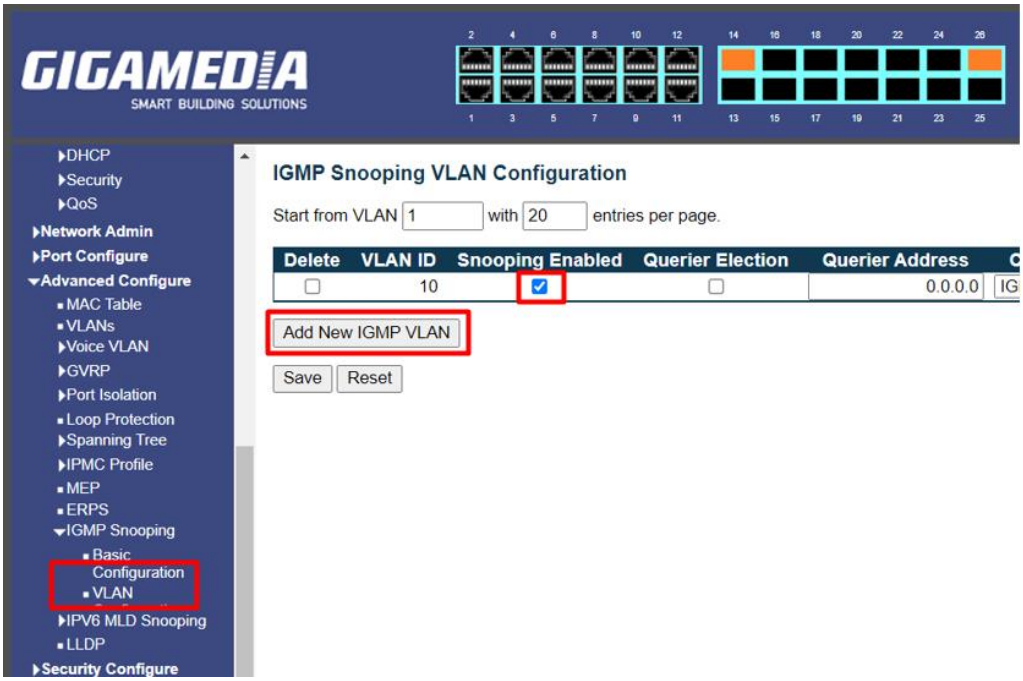
➔ Enable IGMP Snooping

Advanced Configuration / IGMP Snooping



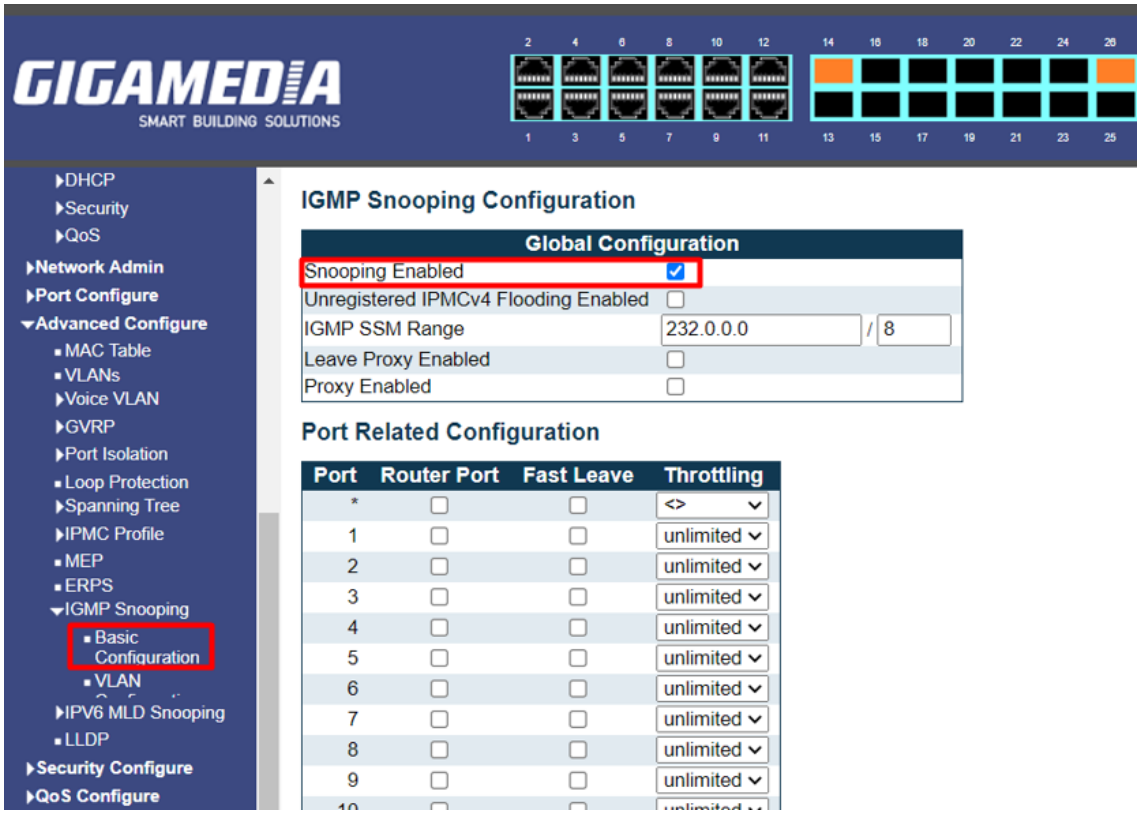
VLAN Configuration:

Add new IGMP VLAN (example here VLAN 10) and enable Snooping



<u>Slave switch side</u> :

Advanced configure / IGMP Snooping



Enable IGMP Querier :

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