

IGMP Configuration

In admin@XorPlus, IGMPv1/v2/v3 is supported.

Configuring an IGMP Interface

```
admin@XorPlus# set vlans vlan-id 2 l3-interface vlan2
admin@XorPlus# set vlans vlan-id 3 l3-interface vlan3
admin@XorPlus# set interface gigabit-ethernet ge-1/1/1 family ethernet-switching native-vlan-id 2
admin@XorPlus# set interface gigabit-ethernet ge-1/1/2 family ethernet-switching native-vlan-id 3
admin@XorPlus# set l3-interface vlan-interface vlan2 address 10.10.60.10 prefix-length 24
admin@XorPlus# set l3-interface vlan-interface vlan3 address 10.10.61.10 prefix-length 24
admin@XorPlus# commit
Commit OK.
Save done.
admin@XorPlus# set protocols igmp interface vlan2
admin@XorPlus# set protocols igmp interface vlan3
admin@XorPlus# commit
Commit OK.
Save done.
admin@XorPlus# run show igmp interface
```

Interface	State	Address	V	Querier	Query Timer	Uptime
vlan2	up	10.10.60.10	2	local	00:00:40	02:13:12
vlan3	up	10.10.61.10	2	local	--:--:--	00:36:29

Configuring IGMP Parameters for the IGMP Interface

```
admin@XorPlus# set protocols igmp interface vlan2 query-interval 4
admin@XorPlus# set protocols igmp interface vlan2 query-max-response-time 100
admin@XorPlus# commit
Commit OK.
Save done.
admin@XorPlus#
```

Configuring an IGMPv3 Interface

You can configure IGMPv3 in a specified interface.

```
admin@XorPlus# set protocols igmp interface vlan3 version 3
admin@XorPlus# commit
Commit OK.
Save done.
admin@XorPlus# run show igmp interface
```

Interface	State	Address	V	Querier	Query Timer	Uptime
vlan2	up	10.10.60.10	2	local	00:00:40	02:13:12
vlan3	up	10.10.61.10	3	local	--:--:--	00:36:29

Joining and Leaving a Group and Displaying Group Information

If you send an IGMPv2 report to VLAN 2 and an IGMPv3 report to VLAN 3, for example, you can display the group information of the switch. You should not have to worry about 224.0.0.2, 224.0.0.22, etc., which are used for the system (e.g. OSPF, RIP).

```
admin@XorPlus# run show igmp groups
Interface      Address      Group        Mode Timer   Srcs V Uptime
vlan2          10.10.60.10 224.0.0.2   INCL --:--:-- 1 2 01:12:11
vlan2          10.10.60.10 224.0.0.22  INCL --:--:-- 1 2 01:12:11
vlan2          10.10.60.10 238.255.0.1 INCL --:--:-- 1 2 01:12:11
vlan3          10.10.61.10 224.0.0.2   INCL --:--:-- 1 3 01:33:28
vlan3          10.10.61.10 224.0.0.22  INCL --:--:-- 1 3 01:33:28
vlan3          10.10.61.10 238.255.0.2 INCL --:--:-- 1 3 01:33:28
```

If you send a leaving message for the above group, the specified group will be removed.

```
admin@XorPlus# run show igmp groups
Interface      Address      Group        Mode Timer   Srcs V Uptime
vlan2          10.10.60.10 224.0.0.2   INCL --:--:-- 1 2 01:22:11
vlan2          10.10.60.10 224.0.0.22  INCL --:--:-- 1 2 01:22:11
vlan3          10.10.61.10 224.0.0.2   INCL --:--:-- 1 3 01:43:28
vlan3          10.10.61.10 224.0.0.22  INCL --:--:-- 1 3 01:43:28
```