IGMP & MLD Snooping
YANG Model

draft-ietf-pim-igmp-mld-snooping-yang-01

Hongji Zhao (Ericsson)
Xufeng Liu (Jabil)
Yisong Liu (Huawei)
Mahesh Sivakumar (Cisco)
Anish Peter (Individual)

IETF101
Status

• Updated with version 01
  - Updated according to the review comments
  - Aligned with latest models that this model depends on

• Model is stable
  - Ready for YANG doctor’s review
The igmp-snooping-instance could be referenced only under bridge view and VLAN view in bridge scenario.
The igmp-snooping-instance could be referenced only under l2vpn-instance view in l2vpn scenario.
Augment /if:interfaces/if:interface in order to enable IGMP/MLD Snooping in the interface view and configure static-mrouter-interface, static-l2-multicast-group.

```plaintext
augment /if:interfaces/if:interface:
  +-rw igmp-mld-snooping
    +-rw enable?  boolean {admin-enable}?
    +-rw version?  uint8
    +-rw type?    enumeration
  +-rw static-mrouter-interface
    |  +-rw (static-mrouter-interface)?
    |   +-:(bridge)
    |   |  +-rw bridge-name?  string
    |   |  +-rw vlan-id*  uint32
    |   +-:(l2vpn)
    |     +-rw l2vpn-instance-name?  string
  +-rw static-l2-multicast-group
    |  +-rw (static-l2-multicast-group)?
    |   +-:(bridge)
    |   |  +-rw bridgename?  string
    |   ..
    |   +-:(l2vpn)
    ..
Draft Update Information-2

- The statistics data for IGMP/MLD Snooping is also in it.

```plaintext
augment /if:interfaces/if:interface:
  +--rw igmp-mld-snooping
    +--rw enable? boolean {admin-enable}?
    ...
  +--ro statistics
    +--ro received
      | +--ro query? yang:counter64
      | +--ro membership-report-v1? yang:counter64
      | +--ro membership-report-v2? yang:counter64
      | +--ro membership-report-v3? yang:counter64
      | +--ro leave? yang:counter64
      | +--ro non-member-leave? yang:counter64
      | +--ro pim? yang:counter64
    +--ro sent
      +--ro query? yang:counter64
      +--ro membership-report-v1? yang:counter64
      +--ro membership-report-v2? yang:counter64
      +--ro membership-report-v3? yang:counter64
      +--ro leave? yang:counter64
      +--ro non-member-leave? yang:counter64
      +--ro pim? yang:counter64
```
Next Step

• YANG Doctor’s Review
• Any more comments?