

IGMP & MLD Snooping YANG Model

draft-ietf-pim-igmp-ml-d-snooping-yang-01

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IETF101

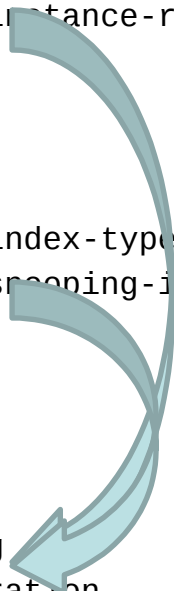
Status

- 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

Draft Update Information-1

- The igmp-snooping-instance could be referenced only under bridge view and VLAN view in bridge scenario.

```
+--rw bridges
|  +--rw bridge* [name]
|      +--rw name                               name-type
|      +--rw igmp-snooping-instance?          igmp-snooping-instance-ref
|      +--rw component* [name]
|          +--rw name                           string
|          +--rw bridge-vlan
|              +--rw vlan* [vid]
|                  +--rw vid                     vlan-index-type
|                  +--rw igmp-snooping-instance? igmp-snooping-instance-ref
|
module: ietf-igmp-mld-snooping
+--rw igmp-snooping-instance* [name]
|      +--rw name                               string
|      +--rw type?                              enumeration
|      +--rw enable?                            boolean {admin-enable}?
```



- The igmp-snooping-instance could be referenced only under l2vpn-instance view in l2vpn scenario.


```

+--rw l2vpn-instances
  +--rw l2vpn-instance* [name]
    +--rw name string
    +--rw igmp-snooping-instance? igmp-snooping-instance ref
  
```

module: ietf-igmp-mld-snooping

```

+--rw igmp-snooping-instance* [name]
  | +--rw name string
  | +--rw type? enumeration
  | +--rw enable? boolean {admin-enable}?
  
```



Draft Update Information-2

- 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.

```
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.

```
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?