IGMP/MLD Proxy YANG Model

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

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IETF106

Status

- version 1

  - First version for presentation as WG draft

Draft Update 1

- Add sender-source-address as an optional config entity. You can configure source address for IGMP report or leave packet on the upstream interface for IGMP Proxy .

```
augment /rt:routing/rt:control-plane-protocols/rt:control-plane-protocol:
  +--rw igmp-proxy {feature-igmp-proxy}?
    +--rw interfaces
      +--rw interface* [interface-name]
        +--rw interface-name    if:interface-ref
        +--rw version?          uint8
        +--rw enable?           Boolean
        +--rw sender-source-address?   inet:ipv4-address
        +--ro group* [group-address]
          +--ro group-address    inet:ipv4-address
          …
```

```
augment /rt:routing/rt:control-plane-protocols/rt:control-plane-protocol:
  +--rw mld-proxy {feature-mld-proxy}?
    +--rw interfaces
      +--rw interface* [interface-name]
        +--rw interface-name      if:interface-ref
        +--rw version?            uint8
        +--rw enable?             Boolean
        +--rw sender-source-address?   inet:ipv6-address
        +--ro group* [group-address]
          +--ro group-address     inet:ipv6-address
          …
```

Draft Update 2

- Remove other filter-modes and only keep filter-mode stated in the group level.

IGMP Proxy

```
augment /rt:routing/rt:control-plane-protocols/rt:control-plane-protocol:
  +--rw igmp-proxy {feature-igmp-proxy}?
    +--rw interfaces
      +--rw interface* [interface-name]
        +--rw interface-name    if:interface-ref
        …
        +--ro group* [group-address]
          +--ro group-address    inet:ipv4-address
          +--ro up-time?         uint32
          +--ro filter-mode?     enumeration
          +--ro source* [source-address]
            +--ro source-address          inet:ipv4-address
            +--ro up-time?                uint32
            +--ro downstream-interface* [interface-name]
              +--ro interface-name    if:interface-ref
```

MLD Proxy

```
augment /rt:routing/rt:control-plane-protocols/rt:control-plane-protocol:
  +--rw mld-proxy {feature-mld-proxy}?
    +--rw interfaces
      +--rw interface* [interface-name]
        +--rw interface-name    if:interface-ref
        …
        +--ro group* [group-address]
          +--ro group-address    inet:ipv6-address
          +--ro up-time?          uint32
          +--ro filter-mode?      enumeration
          +--ro source* [source-address]
            +--ro source-address            inet:ipv6-address
            +--ro up-time?                  uint32
            +--ro downstream-interface* [interface-name]
              +--ro interface-name    if:interface-ref
```

Next Step

- Welcome more comments