IGMP & MLD YANG Model

draft-ietf-pim-igmp-mld-yang-04

Xufeng Liu (Jabil)
Feng Guo (Huawei)
Mahesh Sivakumar (Cisco)
Pete McAllister (Metaswitch)
Anish Peter (Individual)

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Status

• version 04
  – Reviewed by WG chair
  – Updated according to the review comments
  – Passed validations
Global level: IGMP or MLD configuration attributes for the entire routing system.
- Not running on the interface, only a few parameters
- For example: `max-entries` or `max-groups` counts entries of the whole instance not for interfaces

Interface-global: IGMP or MLD configuration attributes are applicable to all the interfaces whose interface-level corresponding attributes are not existing, with same attributes' value for these interfaces.
- interface-global covers interface scope, applied to an interface if there is no per interface configuration on the interface.
- For example: in interface-global level we have configured query interval with 200s and we have 3 interfaces: E1, E2 and E3. If on E1 we also have configured query interval with 100s, the actually on E1 IGMP uses query interval with 100s, and E2 and E3 both use “global” query interval with 200s

Interface-level: IGMP or MLD configuration attributes specific to the given interface.
- There are some different range between interfaces-global and interface-specific
- For example: `group-policy`, `verify-source-subnet`, `immediate-leave` etc. parameters only in interfaces-specific for per interface configuration
Updating Information

- Some parameters defined for both IGMP and MLD, adding the description for MLD
- Protocol version element from common definition in interface-config-attributes-igmp-mld to separate definition for both interface-config-attributes-igmp and interface-config-attributes-mld

```
interface-config-attributes-igmp
leaf version {
    type uint8 {
        range "1..3";
    }
    description "IGMP version.";
    reference "RFC1112, RFC2236, RFC3376.";
}

interface-config-attributes-mld
leaf version {
    type uint8 {
        range "1..2";
    }
    description "MLD version.";
    reference "RFC2710, RFC3810.";
}
```

- Revise description detailed errors
Next Step

• Apply to WGLC

• Any more comments?