

IGMP & MLD YANG Model

draft-ietf-pim-igmp-ml-d-yang-04

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Status

- version 04
 - Reviewed by WG chair
 - Updated according to the review comments
 - Passed validations

Updating description for 3 level

- 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-mlld to separate definition for both interface-config-attributes-igmp and interface-config-attributes-mlld

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

```
interface-config-attributes-mlld
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?