

EVPN multicast YANG Model

draft-ietf-pim-evpn-multicast-yang-01

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IETF119

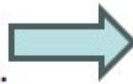
Status

- version 01
 - Updated according to comments

Draft Update 1

- The ethernet-segment-identifier-type defined in ietf-ethernet-segment.yang has been deleted. The type of leaf ethernet-segment-identifier needs to be updated.

```
leaf ethernet-segment-identifier {  
  type es:ethernet-segment-identifier-type;  
  description "Ethernet segment identifier (esi)";  
}
```



```
leaf ethernet-segment-identifier {  
  type yang:hex-string {  
    length "29";  
  }  
  description "Ethernet segment identifier (esi)";  
}
```

Draft Update 2

- When it supports either IGMP Proxy or MLD Proxy, type6~8 route might be added under the EVPN routes. The following if-feature statement is added.

```
augment "/evpn:evpn/evpn:evpn-instances/evpn:evpn-instance/evpn:routes" {  
    if-feature "evpn-igmp-proxy or evpn-mld-proxy";  
    description "Type6~8 route";  
    ...  
}
```

Structure

- Details of the three new BGP EVPN routes.

```
module: ietf-evpn-multicast
augment /evpn:evpn/evpn:evpn-instances/evpn:evpn-instance:
  +--rw evpn-igmp-proxy?   boolean {evpn-igmp-proxy}?
  +--rw evpn-mld-proxy?   boolean {evpn-mld-proxy}?
augment /evpn:evpn/evpn:evpn-instances/evpn:evpn-instance/evpn:routes:
  +--ro selective-multicast-ethernet-tag-route*
  | +--ro rd-rt* [route-distinguisher]
  | | +--ro route-distinguisher   rt-types:route-distinguisher
  | | +--ro vpn-target* [route-target]
  | |   +--ro route-target       rt-types:route-target
  | +--ro ethernet-tag?          uint32
  | +--ro multicast-source-address?  inet:ip-address
  | +--ro multicast-group-address?   rt-types:ip-multicast-group-address
  | +--ro originator-ip-prefix?     inet:ip-prefix
  +--ro multicast-membership-report-synch-route*
  | +--ro rd-rt* [route-distinguisher]
  | | +--ro route-distinguisher   rt-types:route-distinguisher
  | | +--ro vpn-target* [route-target]
  | |   +--ro route-target       rt-types:route-target
  | +--ro ethernet-segment-identifier?  yang:hex-string
  | +--ro ethernet-tag?                uint32
  | +--ro multicast-source-address?     inet:ip-address
  | +--ro multicast-group-address?     rt-types:ip-multicast-group-address
  | +--ro originator-ip-prefix?        inet:ip-prefix
  +--ro multicast-leave-synch-route*
  | +--ro rd-rt* [route-distinguisher]
  | | +--ro route-distinguisher   rt-types:route-distinguisher
  | | +--ro vpn-target* [route-target]
  | |   +--ro route-target       rt-types:route-target
  | +--ro ethernet-segment-identifier?  yang:hex-string
  | +--ro ethernet-tag?                uint32
  | +--ro multicast-source-address?     inet:ip-address
  | +--ro multicast-group-address?     rt-types:ip-multicast-group-address
  | +--ro originator-ip-prefix?        inet:ip-prefix
  | +--ro maximum-response-time?       uint16
```

Next Step

- Welcome more comments