Multicast Yang Data Model

draft-ietf-mboned-multicast-yang-model-04

Mboned WG
IETF 109

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Update:

• There is no significant modification in version 00-02.

The update of version 03-04:

• Editorial modification according to RFC8407.
• More description in the model is added.
Multicast YANG Data Model:

- Take the advantage of the existed multicast models, such as PIM, IGMP, BIER, etc., to control the multicast network to implement multicast service.

- Divide the multicast service into three layers, indexed by multicast keys.
  - Overlay: defines (ingress-node, egress-nodes) nodes info in the multicast domain, for example MVPN.
  - Underlay: defines the type of underlay technologies, such as OSPF, ISIS, BGP, PIM or BABEL and so on.
  - Transport: defines the type of transport technologies that can be used to forward multicast flow, such as PIM, BIER, MLDP, etc.
Multicast UML like Class Diagram
BIER project in ODL

The BIER project is driven by two YANG models:

**Multicast Model**
draft-ietf-mboned-multicast-yang-model

**YANG Data Model for BIER Protocol**
draft-ietf-bier-bier-yang

- This model has been verified in ODL BIER project.
- The project had been released in Carbon version.
- This model is feasible and practicable.

https://wiki.opendaylight.org/view/BIER:Main
Next Steps

• Request more comments and reviews before WGLC 😊

Thanks!