



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.

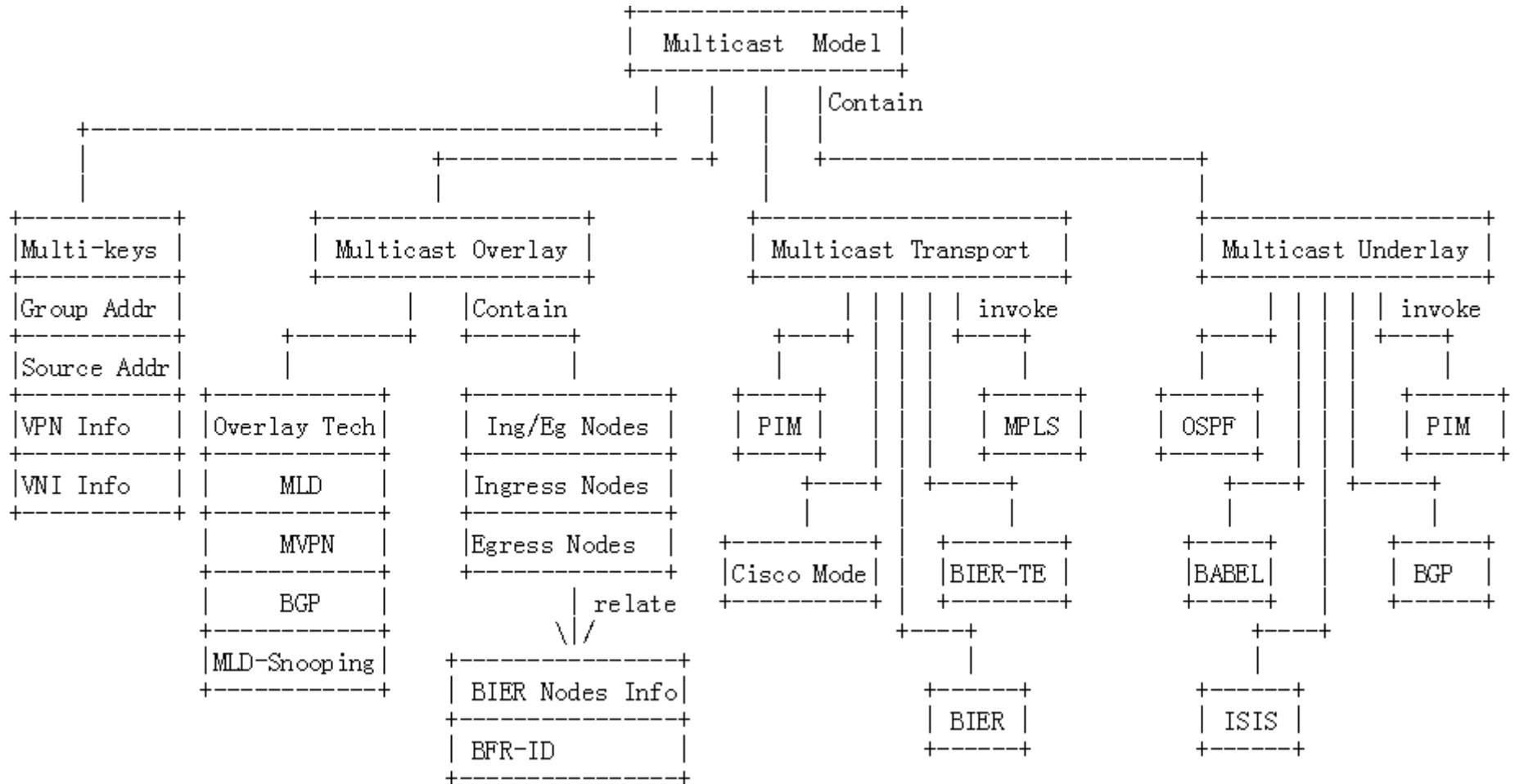
The update of version 03-04:

- Editorial modification according to RFC8407.
 - More description in the model is added.
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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

<https://wiki.opendaylight.org/view/BIER:Main>

The BIER project is driven by two YANG models:

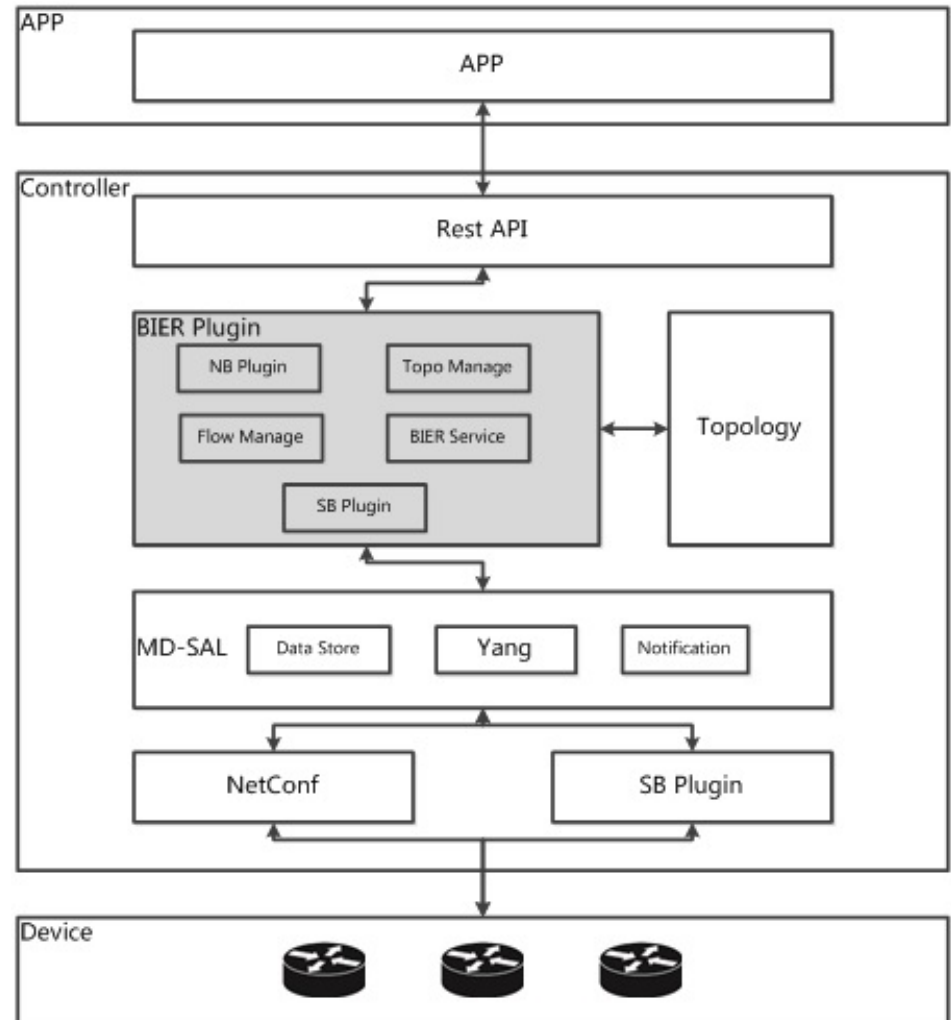
Multicast Model

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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.





Next Steps

- Request more comments and reviews before WGLC 😊

Thanks!

