Yang Model for L2VPN

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History

- draft-zhuang-l2vpn-yang-cfg-00 was presented in PALS WG of IETF91.

- Received positive response from several experts to cooperate to define the Yang for L2VPN.

- draft-zhuang-pals-l2vpn-yang-00 was submitted in the PALS WG to get the appropriate WG to discuss.

Design Team for L2VPN Yang

- Members:
  - Shunwan Zhuang (Huawei)
  - Haibo Wang (Huawei)
  - Zhenbin Li (Huawei)
  - Xufeng Liu (Ericssion)
  - Santosh Esale (Juniper)
  - Kishore Tiruveedhula (Juniper)
  - Himanshu Shah (Ciena)
  - ……
- More members and cooperation from different parties are appreciated.
- Hope to define the well-accepted data models for L2VPN.

Scope (1)

- Scope
  - Yang on common components of L2VPN
    - L2VPN Instance
    - AC
    - PW
  - Yang on different types of L2VPN
    - LDP-based VPWS
    - LDP-based VPLS
    - BGP-based VPLS
    - BGP-AD-based VPLS
    - Static VPWS
    - Static VPLS
    - CCC?

Scope (2)

- Scope
  - Yang definition
    - Configuration Data
    - Operation Data
    - RPC
    - Notification
- Not in Scope
  - VCCV Ping/Trace
  - MPLS-TP OAM for PW

Liaison Work

- Liaison with BESS WG
  - BGP-based VPLS
  - BGP-AD-based VPLS

- Liaison with L2VPN MIB
  - Try to keep consistency.

Design Work Plan

- Architecture Design (2015.3.30 ~ 2015.5.15)
  - Scope definition
  - Component Division
    - Common components and specific parts of different types of L2VPNs.
    - There may be multiple drafts on L2VPN Yang based on the component division.
- Data Model Design
  - Common Components
  - Specific Parts of Different types of L2VPNs
    - The work plan should be determined after the architecture design.
    - Sequential or parallel work method should be determined based on the effort estimation.

Work Method

- Meeting every two weeks to discuss the design of the L2VPN Yang models.
    - The meeting time need to be determined?
    - Try to make consensus on the Yang models.
    - Vendor-specific part will be left out.
- The progress will be published in the IETF mailing list on time.
- The important issue can be proposed in the mailing list for discussion.

Next Steps

- Solicit comments on how to define the Yang models effectively.