Layer 2 VPN(L2VPN) Service Model (L2SM)

IETF 97, Thursday Nov 17th, 2016 09:30

Chairs

Adrian Farrel (adrian@olddog.co.uk)

Qin WU (bill.wu@huawei.com)

Note Well

- Any submission to the IETF intended by the Contributor for publication as all or part of an IETF Internet-Draft or RFC and any statement made within the context of an IETF activity is considered an "IETF Contribution". Such statements include oral statements in IETF sessions, as well as written and electronic communications made at any time or place, which are addressed to:
  - The IETF plenary session
  - The IESG, or any member thereof on behalf of the IESG
  - Any IETF mailing list, including the IETF list itself, any working group or design team list, or any other list functioning under IETF auspices
  - Any IETF working group or portion thereof
  - Any Birds of a Feather (BOF) session
  - The IAB or any member thereof on behalf of the IAB
  - The RFC Editor or the Internet-Drafts function
- All IETF Contributions are subject to the rules of RFC 5378 and RFC 3979 (updated by RFC 4879).
- Statements made outside of an IETF session, mailing list or other function, that are clearly not intended to be input to an IETF activity, group or function, are not IETF Contributions in the context of this notice. Please consult RFC 5378 and RFC 3979 for details.
- A participant in any IETF activity is deemed to accept all IETF rules of process, as documented in Best Current Practices RFCs and IESG Statements.
- A participant in any IETF activity acknowledges that written, audio and video records of meetings may be made and may be available to the public.

Administrivia

- Charter:
  - http://datatracker.ietf.org/wg/l2sm/charter/
- Mailing List
  - https://www.ietf.org/mailman/listinfo/l2sm
- Minutes
  - Minutes taker:
  - http://etherpad.tools.ietf.org:9000/p/notes-ietf-97-l2sm
- Jabber
  - Scribe:
  - l2sm@jabber.ietf.org
- Blue Sheets
- State your name clearly and slowly

Agenda

- 1. Welcome and Administrivia
  Chairs
  [5 minutes : 5/90]

  2. Review of Charter
  Chairs
  [10 minutes : 15/90]

  3. What is a Customer Service Model?
  Qin Wu
  [10 minutes : 25/90]

  4. Update from the MEF
  Scott Mansfield
  [10 minutes : 35/90]

  5. Overview of draft-wen-l2sm-l2vpn-service-model
  Giuseppe Fioccola
  [30 minutes : 65/90

  6. Discussion of next steps
  Everyone
  [25 minutes : 90/90]

Charter Overview

- https://datatracker.ietf.org/wg/l2sm/charter/
- The L2SM WG is tasked to create a YANG data model that:
  - Describes a L2VPN service (a L2VPN service model)
  - Is used for communication between customers and network operators
  - Provides input to automated control and configuration applications
- Aim for a common base model to cover multiple popular L2VPN types:
  - Point-to-point Virtual Private Wire Services (VPWS)
  - Multipoint Virtual Private LAN services (VPLS) that use LDP-signaled Pseudowires
  - Multipoint Virtual Private LAN services (VPLS) that use a Border Gateway Protocol (BGP) control plane as described in RFC4761 and RFC6624
  - Ethernet VPNs specified in RFC 7432
- Coordinate with others doing related work
  - WGs responsible for L2VPN protocol work (BESS and PALS)
  - Other organizations working on related L2VPN data models (such as the MEF)

Purpose and Focus of L2SM

- Motivation
  - Enables service agility to speed service creation and delivery
  - And allows the deployment of innovative new services across networks
  - Lets customers compare service offerings
  - Lets operators offer advanced services built on a common base
- The L2VPN Service Model is not an L2VPN configuration model
  - It sits on the interface between the customer and the operator
  - Not code implemented in the Network Element
  - Not a network management model
  - Rely on a Service Orchestrator to map service parameters to input parameters of protocol configuration
- The relationship to other data models
  - Provide information that can be used by other WG to evaluate the set of YANG models that have already been developed or are under development,
  - Help identify any missing models or details
  - Drive requirements for **service delivery models** so that the customer service parameters can be mapped into inputs used by the **protocol configuration models** and **device configuration models**
  - Look at L3SM work and follow a similar design

Milestones and document status

- Milestone
  - Oct 2017 L2VPN Service (YANG) Model to the IESG for publication as Proposed Standard RFC
- Document status
  - initial version of I-D by 4 operators before Seoul
  - Three revisions issued
  - New Design Team document
    - draft-wen-l2sm-l2vpn-service-model-03

What Does the WG Need From You?

- We *really* need this to be driven by Operators
  - Of course, vendors can and should participate
  - But be aware of how the data model is used
- Input from Enterprises would be highly valued
- Review
  - Comment
    - Ask questions
      - Propose text

How Shall We Work?

- Start by considering draft-wen-l2sm-l2vpn-service-yang
  - Is it good enough for a starting point?
- Mailing list as prime focus as usual
- Issue tracking
  - Github or Datatracker?
- Virtual interim meetings to move forward?
- Avoid re-inventing things that already exist
  - Look carefully at existing and ongoing work

Liaison Received

- https://datatracker.ietf.org/liaison/1498/
    - "MEF looks forward to collaborating with IETF to provide the industry with a single standard Ethernet Service model and related YANG Modules."
    - "We include the following relevant information on MEF published and ongoing work for your consideration…"
- How to handle this?
    - Mahesh on the agenda to talk about MEF work
    - Mahesh and Scott are around this week
        - Please talk with them
    - WG chairs will draft a response and share on list