Layer 2 VPN (L2VPN) Service Model (L2SM)

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Chairs
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Administrivia

• Charter:
  – http://datatracker.ietf.org/wg/l2sm/charter/

• Mailing List
  – https://www.ietf.org/mailman/listinfo/l2sm

• Minutes
  – Minutes taker:

• 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/](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/](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