Service Models Explained

draft-ietf-opsawg-service-model-explained-01

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History and Status

• 7 versions of draft-wu-opsawg-service-model-explained
  – Starting July 2016
• Adopted by OPSAWG June 2017
• Update to -01
  – Just fixed a typo of a missing “not”
Relationship to
draft-ietf-netmod-yang-model-classification

• draft-ietf-netmod-yang-model-classification
  – Completed Netmod WG last call
  – Completed IETF last call
  – Currently in Auth-48
  – In other words, it won’t change

• draft-ietf-netmod-yang-model-classification
  – Classifies/categorizes IETF YANG modules as:
    • Network Element YANG Modules
    • Network Service YANG Modules
  – Leads to debate about overlap with this draft...
What Does This Draft Do?

• Attempts to give context and explanation for YANG models used by operators to describe network services in communication with their customers
  – Usage might be in software or on “forms”
  – Examples are:
    • RFC 8049 (L3VPN Service Model)
    • draft-ietf-l2sm-l2vpn-service-model-01 (L2VPN SM)

• These are “unusual” models for the IETF
  – Not directly tied to protocol components
How Was the Overlap Resolved?

- L2SM and L3SM are Network Service YANG Modules according to draft-ietf-netmod-yang-model-classification
  - But that category is very broad and includes everything that is not a Network Element YANG Module
- We worked with the authors of draft-ietf-netmod-yang-model-classification
  - Ensured that the definition was broad enough to include our service Models
  - Fixed the reference and description of L3SM
- We updated our document
  - Ensure that the reference to draft-ietf-netmod-yang-model-classification is correct
  - Show that the Network Service YANG Module concept can be partitioned
    » Service Delivery YANG Models
    » Customer Service YANG Models
Customer Service Requester

Service Orchestration

Network Orchestration

Configuration Manager

Network Element YANG Modules
- MPLS
- BGP
- IPv4/IPv6
- Ethernet

Network Service YANG Modules
- L2VPN
- VPWS
- L2VPN
- VPLS
- EVPN
- L3VPN

Service Orchestrator

OSS / BSS

Customers

Updated figure from Netmod draft
• Additions in green

Common figure for L2SM and L3SM
• Service Models in red
What Remains to Be Done

• Add more text to explain the relationship further
  – Authors need help to understand what is confusing!
• Leave or remove EVPN that we added
  – Seemed like a relevant addition
  – Not in the draft-ietf-netmod-yang-model-classification figure
• Final review
• Last call