

L3SM Wednesday 7/22 (15:50 – 17:50)

1. Administrivia and Agenda Bash – Chairs (5 minutes 5/90)
No comments
2. 2a- Document status
 - a. Milestone: L3VPN Service Yang Model (January 2016)
 - b. Document status:
 - i. Initial version of I-D by 4 operators before Dallas
 - ii. 2 revisions
 - iii. WG document: draft-ietf-l3sm-l3vpn-service-model-00

2b - Purpose and Focus (see slides)

Discussion:

- Adrian: Modularization is good. Modularization that stops our work is not good. We know there are more generic modularization that people use.
- Kireeti Kompella: L3SM for L3VPN. QoS is an important part of the service. I do not think you have to slowing to factor out QoS.
- Benoit: You are right, but we have multiple QoS model. We have a QoS model in netmod. We could link this to the service model as a configuration model.
- Kireeti: If there is a QoS service model elsewhere, I will be glad to read it. I think we should have a service model for QoS L3VPN and a QoS model for L2VPN.
- Adrian: The place I get cautious is where the QoS gets service features that are not L3VPN features.

3. draft-ietf-l3sm-l3vpn-service-model

Discussion

- [at slide 7] Kireeti: Any-where to anywhere – everyone is a hub
- [at slide 10] [Scharf, Michael] I notice it is optional in this system. The site location is not what a network orchestrator keeps. All the rest of the draft is what the network orchestrator keeps. This makes this part of the draft tricky.
- Stephane Litowski: This is the tricky part. However, I believe it is doable.
- [at slide 13]
- Kireeti – if you have primary and backup so you can, loadsharing among multiple primary, then you have m to n availability.
- Stephane – you can multiple primaries.
- Kireeti – Then you can multiple primaries for loadshare, all the backups for backup, then you can have m to n.
- Stephane – that's a good option.
- [at slider 14] [iftekhar Hussain] : It is the band width from one site to the next or just metrics actually?
- Stephane:No, It is bandwidth per site, generated in site for IPVPN service.

- Kireeti – these are things that could go in VPN services that are a default for all sites. And overwrite by each site. For QoS, you could then specify a unique value per site.
- Stephane: You can define a site template.
- Kireeti: only if you have a template OSS can understand.
- Kireeti: You have a template?
- Stephane: Yes
- Kireeti: What happens if you do not have MPLS?
- Stephane: It will not work.
- [site templates, p 22] Scharf, Michael: Why did you have a separate list?
- Stephane: In today, it is the same list.
- Scharf: This is one way to do, there is another way which is to go to the separate list.
- Stephane: We can do this. Just create group to make it reusable.
- [Kireeti]: (missed comment)
- Adrian: How shall we track issues? Do you want to use the tools tracker or wiki page or github page.
- Stephane: I will check with my co-authors.
- [Kireeti]: One other questions, how do you get consensus from other providers? How do you get an OK.
- Stephane: Good point. We shall try to encourage other operators to comment regarding this point on the list.
- Adrian: Have them comment on the list.
- Ron Bonica (Juniper): If you can configure the information with the data model, then you win.
- Stephane: We are working on this translation of the l3sm model translation to code.
- Ron (Juniper) : if your marketing people create a new service, can you extend the model – then you win twice.
- Adrian: What do you think of the quality of the yang? Are we at final review or others?
- Stephane: We need to explore the groupings to determine if can be more usable.
- Kireeti: Are we going to do a L2SM with a time line of 2-4 weeks?
- Benoit: I was expecting this question. The point is 6-9 months went to the operators and we ask if they believe in the L3SM service model. The operators thought they would believe we can have enough common things to create an L3SM (after a few conference calls). The L2SM is a dependent topology. We must find the same number of operators. I asked an operator if there are enough commonalities. This investigation may challenge them.
- [Kireeti]: The operators challenge vendors– so it is time we challenge them.
- Stephane: The L2VPNS are simpler but there are many choices. The L2VPN services is defined by the technology.
- Kireeti: I agree with your comment. We did not do active-active, multi-homing, automatic back-up.
- Stephane: For EVPN, you can define just a VPN.
- Benoit: We also have yang module services in MEF forum.

- Adrian: Kireeti is volunteering to look at the commonalities between L2VPN and L3VPN. This includes MEF work
- Adrian: I want to thank the co-authors who did this work under a lot of pressure.
- Adrian: If you work for a service provider please put your hand up [six or seven hands].

4. Any other business

- Adrian: Is there anyone else to come to the mic?
- ChongFeng Xie [China telecom]: I have some thought about this architecture. We have a project to control the network for provisioning. Many operators have joined OpenDaylight and other open source project. Do we need to provide an interface between the controller and the orchestration?
- Adrian: You could make an argument that that work needs to be done. That somewhere is not in L3SM, but it needs to be done. It needs to be mapped to another work.
- Adrian ... Does this fit within the operational Area?
- Kireeti: It is not a unidirectional thing. Stephane referred to a small part of this point. If you say I want such-such bandwidth. If I say you want this type of availability. You can place or replace the service. Doing a service model is one step. Doing the step between service and the network configuration model.
- Adrian: My service model includes two orchestrators – service orchestrator and network infrastructure orchestrator.
- Benoit: The only common model is the yang model. We have lots of different topologies. You need lots of instrumentation to go from there. If start with one yang model
- [Huawei] Yinliang Hu (David Hu): We have a service model for L3VPN implemented for configuration in Bits-n-bytes.