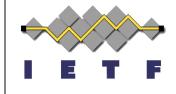
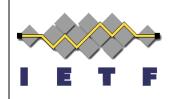
LSVR

(Link State Vector Routing)

Gunter Van de Velde Victor Kuarsingh



IETF106 19 November 2019 Singapore



Administrivia

- Chairs:
 - Gunter Van de Velde
 - Victor Kuarsingh
- Jabber Scribe:
 - tbc
- Minutes:
 - tbc
- Note Well
- Agenda Bashing

LSVR WG 2

Note Well

This is a reminder of IETF policies in effect on various topics such as patents or code of conduct. It is only meant to point you in the right direction. Exceptions may apply. The IETF's patent policy and the definition of an IETF "contribution" and "participation" are set forth in BCP 79; please read it carefully.

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Definitive information is in the documents listed below and other IETF BCPs. For advice, please talk to WG chairs or ADs:

- BCP 9 (Internet Standards Process)
- BCP 25 (Working Group processes)
- •BCP 25 (Anti-Harassment Procedures)
- •BCP 54 (Code of Conduct)
- •BCP 78 (Copyright)
- •BCP 79 (Patents, Participation)
- •https://www.ietf.org/privacy-policy/ (Privacy Policy)



I E T F

Agenda

- Welcome & agenda bashing (10 min)
 Chairs
- Update of Shortest Path Routing Extensions for BGP Protocol (15min) (draft-ietf-lsvr-bgp-spf-06) by Keyur Patel
- Update Layer 3 Discovery and Liveness (10 min)

 (draft-ietf-lsvr-l3dl-03)
 by Randy Bush
- Update Layer 3 Discovery and Liveness Signing (10 min) (draft-ymbk-lsvr-l3dl-signing-00) by Randy Bush

 Update L3DL Upper Layer Protocol Configuration (10 min) (draft-ymbk-lsvr-l3dl-ulpc)

by Randy Bush

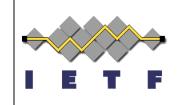
- Update LSVR IETF
 Organizationally Specific TLVs for
 IEEE Std 802.1AB (LLDP) (20min)
 (draft-congdon-lsvr-lldp-tlvs-00)
 by Paul Congdon
- Update LSVR IEEE P802.1ABdh (==LLDPv2) (15min) (Informational IEEE Liaison work Update) by Paul Congdon

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I E T F

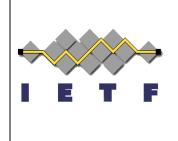
LSVR WG Status

- LSVR Deliverables seem in good progress
- LSoE has Python3 demo available
 - https://github.com/Arrcus/Isoe-python
 - FRR implementation in progress
- LSVR (BGP-SPF) passed WGLC
 - Document ready for further progressing
 - Directorate reviews:
 - RTGDIR: Believed Ready (state in datatracker still "Not Ready" but feedback has been addressed)
 - OPSDIR: Ready
 - Authors submitted new version with WGLC comments submitted
- Some documents appear ready initiate WGLC
 - draft-ietf-lsvr-applicability-04



LSVR WG Status

- LSVR WG is seeing increased L3DL development
 - Additional L3DL features proposed (security, automation, services)
 - Initial L3DL properties beyond classic LLDPv1
 - MTU size,
 - Fragmentation and reassembly i.e. the ability to carry TLVs in more than one PDU
 - Push model ability to send information fast and when necessary as opposed to every 30" only
 - Rapid recovery in case of failures, "graceful restart"
- IEEE is progressing with LLDPv2
 - LLDPv1 behavior extended with required properties needed for LSVR
 - New LSVR tailored TLVs and protocol behavior introduced
 - Informational IEEE liaison update: IETF105 & IETF106



THANK YOU!