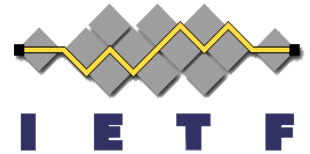


LSVR

(Link State Vector Routing)

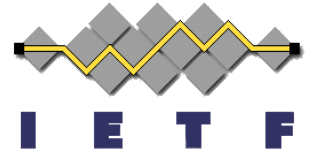
Gunter Van de Velde
Victor Kuarsingh



IETF103
8 November 2018
Bangkok, Thailand

Administrivia

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



Note Well

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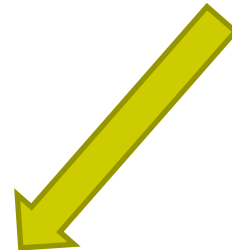
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A participant in any IETF activity acknowledges that written, audio and video records of meetings may be made and may be available to the public.

Next Steps

- ~~IETF101 – first stab at the LSVR deliverables~~
- ~~Interim #1~~
- ~~IETF102 (July2018)~~
- ~~Interim #2 (Oct2018)~~
- IETF103 (November 2018)
- Interim #3
- IETF104 (March 2019) – Milestone date

We are here



Agenda

- Administrivia and agenda bashing (10 min)
 - Chairs
- LSVR Milestones (5 minutes) - Chairs
 - Eta July 2019
- Highlights of the LSVR Interim (15 min) – Jacob Uecker
- Update of draft-ymbk-lssoe-02 (15 min) – Randy Bush
- LSoE next steps (15 min) – Chairs
- Update of LSVR applicability draft (15 min) – Acee Lindem
- Update of draft-ietf-lsvr-bgp-spf-03 (30min) – Keyur Patel
- Closing and next steps (Chairs) (5 min)

LSVR Milestones

- March 2019
 - Applicability statement for LSVR in DCs **Adopted**
 - LSV distribution using BGP transport **Adopted**
 - LSVR with standard Dijkstra path selection **Adopted**
- July 2019
 - YANG specification for LSVR

LSoE Next Steps (1)

Autodiscovery

- Evident interest in this topic from many WG participants
- No chartered WG work item
- Related work in LSVR, led to request from Area Director (Alvaro) to try to focus the WG's direction
 - ~“If the IETF is going to work on a discovery, can't we please just work on *one* approach?”~

LSoE Next Steps (2)

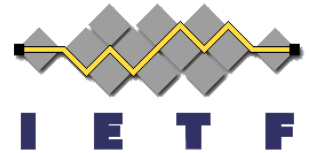
Proposals (that jgs is aware of)

- draft-ymbk-lsvr-lsoe-02
- draft-acee-idr-ldp-peer-discovery-03
- draft-heitz-idr-msdc-fabric-autoconf-00
- draft-xu-idr-neighbor-autodiscovery-10
- draft-raszuk-idr-bgp-auto-session-setup-00

LSoE Next Steps (3)

Similarities, Differences

- Completely centralized? (heitz)
- UDP/IP-based? (xu, raszuk) Non-IP? (acee, ymbk)
- Advertisement/bootstrapping? (acee, ymbk, raszuk) Hello protocol/session maintenance? (xu)
- Minimal/completist? (...)



LSoE Next Steps (4)

Towards Requirements

- Only one (almost) common requirement emerges: bootstrap single-hop EBGP
- The union of requirements (implicit or explicit) is quite large, though.

LSoE Next Steps (5)

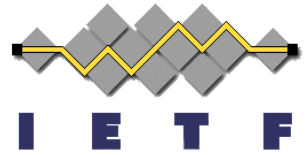
Potential Next Steps

- Does the WG want to charter work on discovery? If so...
 - It seems self-evident we should strive for one solution and not > 1.
 - Is there an obvious starting point as a WG doc?
 - Note1: draft-xu has been previously proposed, didn't achieve consensus at the time
 - Note2: see supplemental presentation on draft-xu, on Meeting Materials site
 - If not, probable next step is a follow-on interim focused on this topic.
 - Design team approach seems likely given the number of (non-converging) proposals.

LSoE Next Steps (6)

In the mean time...

- LSoE is a proposal in LSVR, not IDR
 - It does not – directly – provide BGP discovery
 - However, it provides similar hooks to LLDP
- Request from AD was approximately for IDR to either ratify this approach, or reject it
 - We have not done either
 - Chair's recommendation to AD/LSVR was to proceed ahead with LSoE adoption request in LSVR – but know that IDR may *not* use it



THANK YOU!