LSVR Interim 2 Update

Jacob Uecker, Oracle

IETF 103, Bangkok
Meeting Meta Info

October 1, 2018 @ 17:00 GMT

~ 180 minutes

10 Attendees, 2 Chairs

- IETF101
- Interim 1 (June 8)
- IETF 102 (July 2018)
- Interim 2 ← Updates from here
- IETF 103 (November 2018) ← You are here
- Interim 3
- IETF 104 (March 2019)
Meeting Overview (Agenda)

Intent: Drive deliverables forward

Link Discovery Deep Dive

- Requirements
- Draft Review

Update on BGP-SPF

- Keyur - BGP Based SPF Draft

Security Requirements/Discussion
LSOE Requirements

Review of Requirements

- Simple
- Need Layer 2 Liveness (and Simplicity)
- Need to Discover Nodes and Links
- Need to Discover Encapsulations
- Northbound API

Other Discussions

- Need Security but not clear on what that means (*crickets*)
- Review of other options
LSOE -02 Draft Review

Review of Draft including -02 Updates (significant)

- Review of the Motivations, etc
- Discussion of Checksum (32bit vs 64bit vs 128bit)
- Major Changes around Inter-Link Ether Protocol
  - Always expect a new node
- Authentication and Security (more later)
  - Intro to the security “blob”
- Hellos and Keepalives
  - Timescales, etc
BGP-SPF Draft Review

Status Update

● Stable state
● Updates made from comments
● Ready for implementation work
● Added Manageability Considerations
● Explicit withdrawals addition
Security Musings

What to do about Security?

- Security is important
- But what is the threat model?
- Discussion of security hooks that could be used
  - The “blob” and information draft
  - “Blob” could use TLVs to provide identity, authentication, etc
  - Different layers of trust