

LSVR BGP SPF IETF-105 Montreal July, 2019

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Status Update

- Draft was updated on 7-22-19
- Draft is in fairly stable state
 - Based on reviews and feedback from lot of folks
- Implementations under way

Implementation update



- At least one BGP implementation is available
- Another BGP implementation may be done as open source software
- At least three operators have signed up to test and evaluate LSVR

Implementation update (Cont'd)



- YANG Model for the BGP SPF SAFI defined
 - Fairly straightforward model
 - Model can be extended for BGP-LS SAFI
- Want to start working on the model draft, protocol implementation draft and experience draft as soon as possible

Implementation update (Cont'd)



- Almost all sections of the draft have been implemented
- Challenge in generating remote router-id when servers don't run bgp-spf or in controller assisted peering model
 - Automated by receiving the information from LLDP, L3DL
 - BFD can be leveraged for bidirectional link verification

Implementation update (Cont'd)



- Interop with other IGP and route tie-breaking handled using protocol preference (LSVR has higher preference)



Thank you