LSVR BGP SPF
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Keyur Patel, Arrcus
Akee Lindem, Cisco
Shawn Zandi, Linkedin
Wim Henderickx, Nokia
Derek Yeung, Arrcus
Abhay Roy, Arrcus
Venu Venugopal, Cisco
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
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