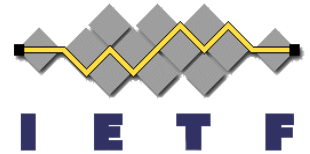


BGP-Based SPF

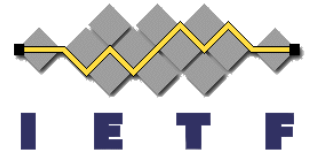
IETF Interim1

Keyur Patel, Arccus
Acee Lindem, Cisco
Shawn Zandi, LinkedIn
Wim Henderickx, Nokia
Derek Yeung, Arccus
Abhay Roy, Arccus
Venu Venugopal, Cisco



Status Update

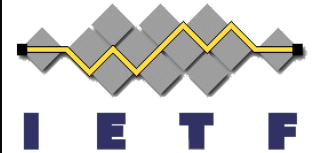
- Draft is now a wg document
 - 01 version submitted on 05-31-18
 - Received a lot of positive comments during the draft acceptance call
 - Most of the comments are incorporated



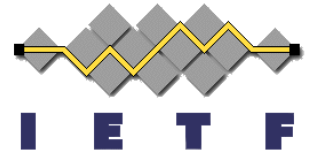
Changes to Draft version 1

- BGP Peering models section updated
 - Text added to suggest using BFD for link liveness
- BGP SPF SAFI section updated
 - Removed support for VPN SAFI as it is not used in RFC 7752 and the VPN SAFI is applicable to overlay
- Node NLRI section updated for SPF algorithm types
- Added text for relevance of MRAl timer

Changes to Draft version 1 (Cont'd)

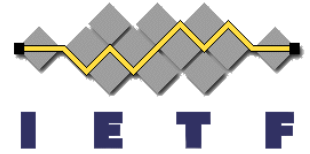


- Rearranged the text for BGP Decision process for better readability
- Next_hop manipulation section augmented to cover MP_REACH_ATTRIBUTE nexthop
- IANA section simplified and the new attribute values will be assigned from existing “BGP-LS Node Descriptor, Link Descriptor, Prefix Descriptor, and Attribute TLVs”
- Finally fixed all the reported Editorial Nits



Things to discuss

- Any Discovery support for neighbor adjacency
- Deployment Use Cases
- Should we adopt AS hop count as an alternative metric
- Preference of usage on normal versus strict SPF algorithms
- Sequence number mechanisms and its effect on restarts



Things to discuss (Cont'd)

- Multiple SPF domain partitioning - using area-id?
- Poll operator community for deployments