Flexible Algorithms: Bandwidth, Delay, Metrics and constraints draft-ietf-lsr-flex-algo-bw-con IETF 111

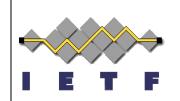
Shraddha Hegde, Juniper Networks
William Britto, Juniper Networks
Rajesh M, Juniper Networks
Bruno Decraene, Orange
Peter Psenak, Cisco
Tony Li, Arista networks





Agenda

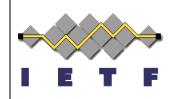
- Updates from last revision
- Discussion
 - Generic metric advertisement for prefixes
 - 1) Do we need this metric in Prefixes



Updates from last version

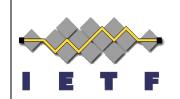
- Added a section on applicability to Flexalgo multi-area
- Changes related to max-link-bandwidth in OSPF
- Changes related to generic-metric sub-TLV advertisement

Generic metric advertisement

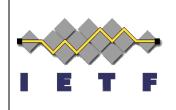


- Generic metric
 - Concept of metric-type and value
 - Any application such as FA, SR-TE, RSVP, LFA can use it
 - Each metric-type gets advertised across boundary into BGP and get accumulated
 - In-built ability to advertise different metric for different flex-algo or different category of SR-TE policies
- Generic-metric sub-TLV allowed in TLV 22 and OSPF Extended Link TLV
- Advertisement under ASLA under WG discussion

Generic metric advertisement for prefixes



- Flex-algo already has FAPM to carry flexalgo specific metric value for prefixes
- Would RSVP/SR-TE and other applications need generic metric-type to be advertised for prefixes?



Next steps

- Request review and comments
- Early code point allocation



Thank you