OSPFv3 Support

• Added support for OSPFv3
• OSPFv3 Intra-Area-TE-LSA [RFC5329] used for TE specific link attributes
• E-Router-LSA [RFC8362] used to advertise link attributes for any other application
• OSPFv3 Extended LSA Sub-TLV Registry
  • is used to allocate code points for application specific link attributes
• Similar approach to what has been proposed to OSPFv2
• Same set of application specific link attributes supported by OSPFv2 and OSPFv3
ASLA Sub-TLV

• “Extended Link Attribute sub-TLV” was renamed to “Application Specific Link Attributes (ASLA) Sub-TLV”

• ASLA Sub-TLV is a Sub-TLV of:
  • OSPFv2 Extended Link TLV [RFC7471]
  • OSPFv3 Router-Link TLV [RFC8362]
Maximum Link Bandwidth

• Application independent attribute
• MUST NOT be advertised in ASLA Sub-TLV
• May be advertised as sub-TLV of the:
  • OSPFv2: Extended Link Opaque LSA’s Extended Link TLV [RFC7684]
  • OSPFv3: E-Router-LSA Router-Link TLV [RFC8362]
  • Same format for sub-TLV as defined in [RFC3630] is used
Local/Remote Interface IPv6 Address Sub-TLVs

• Application independent attribute
• MUST NOT be advertised in ASLA Sub-TLV
• May be advertised as sub-TLV of the:
  • OSPFv3: E-Router-LSA Router-Link TLV [RFC8362]
  • Same format for sub-TLV as defined in [RFC5329] is used
Next Steps…

• Has been presented multiple times
• No major changes has been made
• Some minor additions pending
• Should be ready for WG LC by next IETF meeting