YANG Data Model for OSPF Protocol
draft-ietf-ospf-yang-08
draft-ietf-ospf-sr-yang-02
IETF99, Prague

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Changes in draft-ietf-ospf-yang-08

• OSPF Operational State
  Included in the same tree as OSPF configuration, consistent with Network Management Datastore Architecture [I-D.ietf-netmod-revised-datastores].

• Removed inheritance

• Added spf-log and lsa-log

• Use dotted-quad for OSPFv2 LSA ID

• Fixed virtual-link transit-area-id leafref path and must statement

• Conform to RFC6087BIS appendix C: YANG Module Template

• Fixed virtual link and sham link to include link-local database.
New spf-log and lsa-log, align with ISIS model.
Current Status and Next Steps:

• Dependencies
  • ietf-routing-types.yang: in WG last call
  • RFC8022 refactoring to be consistent with NMDA
  • No redistribution (aka, import policy) or any other features dependent on policy (e.g., default origination)
    • Route policy draft (draft-ietf-rtgwg-policy-model) expired in April 2016

• Virtual Meeting with BFD YANG Design Team to discuss protocol specific BFD configuration one more time (Jeff Haas)
• YANG doctor review
• Last Call for publication
Changes in draft-ietf-ospf-sr-yang-02

• Operational State
  Included in the same tree as OSPF configuration, consistent with Network Management Datastore Architecture [I-D.ietf-netmod-revised-datastores].

• Added local-block-tlvs and srms-preference-tlv

• Removed binding TLV

• Conform to RFC6087BIS appendix C: YANG Module Template
grouping local-block-tlvs {
    description "The SR local block TLV contains the range of labels reserved for local SIDs.";
    container local-block-tlvs {
        description "List of SRLB TLVs.";
        list local-block-tlv {
            description "SRLB TLV.";
            leaf range-size {
                type ospf:uint24;
                description "The SID range.";
            }
            uses sid-sub-tlv;
        }
    }
}

++--ro local-block-tlvs
| ++--ro local-block-tlv*
|     ++--ro range-size? ospf:uint24
|     ++--ro sid-sub-tlv
|         ++--ro sid? uint32

SR Local Block TLV
grouping srms-preference-tlv {
    description "The SRMS preference TLV is used to advertise a preference associated with the node that acts as an SR Mapping Server.";
    container srms-preference-tlv {
        description "SRMS Preference TLV.";
        leaf preference {
            description "SRMS preference TLV, value from 0 to 255.";
            type unit8 {
                range "0 .. 255";
            }
        }
    }
}

---ro srms-preference-tlv
   ---ro preference? uint8

SRMS Preference TLV
Next Steps: draft-ietf-ospf-sr-yang

• Awaiting progression of OSPF segment routing draft
Thank You!