

A YANG Model for MPLS MSD

IETF 110, Virtual

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MPLS MSD YANG

- MPLS Maximum SID Depths (MSDs) were defined in RFC 8476 and RFC 8491.
- Part of MSD YANG was defined in MPLS Segment Routing YANG, and it was decided during IESG LC that MSD is more a characteristic of MPLS rather than SR specific.
- MPLS MSD YANG is an augmentation to the IETF MPLS base model defined in RFC 8960.

Tree Diagram

```
module: ietf-mpls-msd
  augment /rt:routing/mpls:mpls:
    +--ro msd
      +--ro node-msds* [msd-type]
        | +--ro msd-type      identityref
        | +--ro msd-value?   uint8
      +--ro link-msds* [interface]
        +--ro interface      if:interface-ref
        +--ro link-msd* [msd-type]
          +--ro msd-type      identityref
          +--ro msd-value?   uint8
```

Grouping Definition

```
grouping max-sid-depth {  
    description "Maximum SID Depth (MSD)  
                grouping.";  
    list node-msds {  
        ...  
    }  
    list link-msds {  
        ...  
    }  
}
```

Grouping that could be
used by other modules

Next Steps

- Collect and address comments
- Request WG adoption