

A YANG Model for MPLS MSD

IETF 112, Virtual

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MPLS MSD YANG



- MPLS Maximum SID Depths (MSDs) were defined in RFC 8476 and RFC 8491.
- MPLS MSD YANG is an augmentation to the IETF MPLS base model defined in RFC 8960.
- A split-off from RFC 9020

Tree Diagram - updated



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

NEW

```
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
```

OLD

Other changes



- Removed grouping “max-sid-depth”
- Updated “Security Considerations”
- Editorial changes

Thanks to Tom Petch for his review and comments.

Next Steps



- Collect and address comments
- Request WG adoption

Thanks!