

SRV6 MUP YANG model

draft-mahesh-bess-srv6-mup-yang

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Introduction

- Configuration of Mobile User Plane (MUP)
- Aligns with draft-mhkk-dmm-srv6mup-architecture
 - New Segment Type for MUP
 - Direct Segment
 - Interwork Segment
 - New routing information
 - Session Discovered Route
 - Session Transformed Route
 - Uses SRv6 to specify source route
 - To and from a mobile node
- Recommends use of BGP
 - With a new SAFI (bgp-mup)
 - Mobile session information into IP forwarding information

Model

- Augments BGP YANG model
 - Add ipv4-mup/ipv6-mup (at a global level)
 - Add MUP capability for Uplink/Downlink
- Augments BGP Policy YANG model
 - Conditions for MUP
 - Route-type
 - Prefix-set
 - Rule-set
 - Id-set
 - Actions
 - Accept-route

Examples

- Configuration of SRv6 MUP
- Route and Segment Type under IPv4-MUP



Next Steps

- Initial cut of the YANG model mostly done
 - And validated
 - Expect a revision
- Security Considerations
- IANA Considerations
- What (if any) operational data?



Good candidate for WG adoption



Repository

- Overall model development

<https://github.com/mjethanandani/srv6-mobile/>

- Issues tracked at:

<https://github.com/mjethanandani/srv6-mobile/issues>

Q&A