SRV6 MUP YANG model
draft-mahesh-bess-srv6-mup-yang

Mahesh Jethanandani
Tetsuya Murakami

Non-Juniper

Introduction

- Configuration of Mobile User Plane (MUP)
- Aligns with draft-mhkk-dmm-srv6mup-architecture
  - Integrates MUP with SRv6
  - Uses SRv6 to specify source route
    - To and from a mobile node
- Uses BGP
  - With a new SAFI (bgp-mup)
  - Mobile session information into IP forwarding information
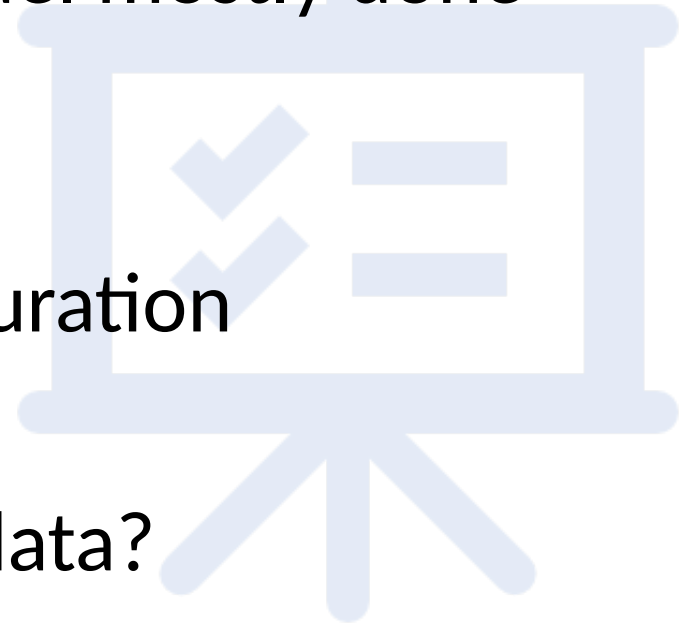
Non-Juniper

Model

- Augments BGP YANG model
  - Add SRv6 (at a global level)
    - Add MUP capability for Uplink/Downlink

- Augments BGP Policy YANG model
  - Defined Sets
    - Interface-sets
  - Match options
  - Set options

Non-Juniper

Next Steps

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

Non-Juniper

Q&A