

# The SRv6 END.DTM Endpoint Behavior

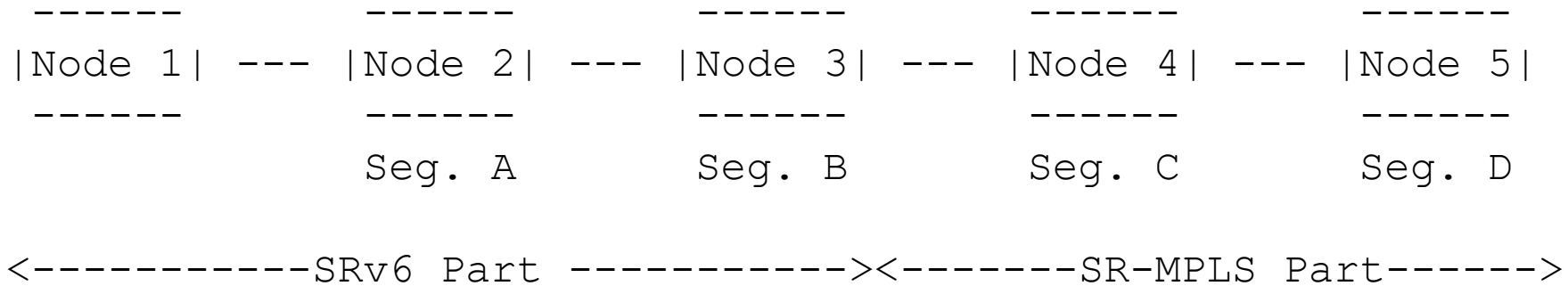
draft-bonica-spring-srv6-end-dtm

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# Introduction

- This draft introduces a new SRv6 endpoint behavior, called END.DTM
  - Supports inter-working between SRv6 and SR-MPLS
  - Contains a function plus arguments
- The function causes the processing node to
  - Decapsulate a packet (i.e., remove an IPv6 header and its extensions)
  - Impose an SR-MPLS label stack
  - Forward the packet
- The arguments determine MPLS-label stack contents and anything that might be encoded in the MPLS-label stack

# Use-Case



- Nodes 1 and 2 are SRv6 capable
- Nodes 4 and 5 are SR-MPLS capable
- Node 3 processes END.DTM
  - SRv6 capable
  - SR-MPLS capable

# Processing

- If Segments Left is greater than zero
  - Discard packet and send ICMP message to source
- When processing upper-layer header
  - Decapsulate the packet
  - Push the SR-MPLS label stack that is associated with the END.DTM arguments
  - Set the MPLS Traffic Class and TTL values to reflect the Traffic Class and Hop count values received in the IPv6 header
  - Submit the packet to the MPLS FIB lookup for transmission to the new destination

# Next Steps

- WG Review
- Call for adoption