SR-TE Path Midpoint Protection

draft-hu-spring-segment-routing-proxy-forwarding-06

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P detects N failure

B IGP converges, deletes route to N

B installs new SR-TE path to C

P as PLR: FRR to C

Traffic drops

Traffic recovers

P advertises its proxy forwarding capability for N’s SID
B uses route to P for N’s after N fails for a given time

P proxy for N to C
Updates to Previous Versions

• Title
  “segment routing proxy forwarding”
→ “SR-TE Path Midpoint Protection”

• Advertising proxy forwarding capability uses Router Functional Capability TLV instead of Router Informational Capability TLV.

• Added Sections “Security Considerations” and “IANA Considerations”

• Some Editorial Changes
Next Steps

- Welcome comments
- Request for Adoption