SR-TE Path Midpoint Protection

draft-hu-spring-segment-routing-proxy-forwarding-13

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Overview **Updates to Previous Versions** Updated Section 1 "Introduction" Some Editorial Changes N's SID C's SID **PKT** P detects B installs new B IGP converges, N failure SR-TE path to C deletes route to N Time Traffic P as PLR: **Traffic** drops FRR to C recovers P advertises its proxy capability for N's SID P proxy for B uses route to P for N's SID after N fails N to C

ietf-spring-segment-protection-sr-te-paths (Informational)

Node supporting it uses old route to N for a configured time after failure

Protection may not work if some do not support it

Our draft improves this and others

Improvements

- Uses a capability flag for a node
 - indicates it is capable to forward traffic on behalf of its failed neighbors.
 - When node X fails, other nodes send traffic for X's SID to the nearest capable X's neighbor.

Protection may work if some do not support it

Protects binding segments on a node when the node fails.

Next Steps

Comments Adoption