

Signaling Color Label Switched Paths Using LDP

draft-alvarez-mpls-ldp-color-lsp-00

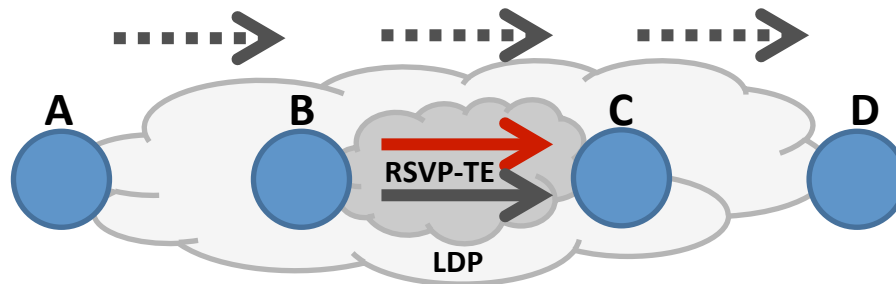
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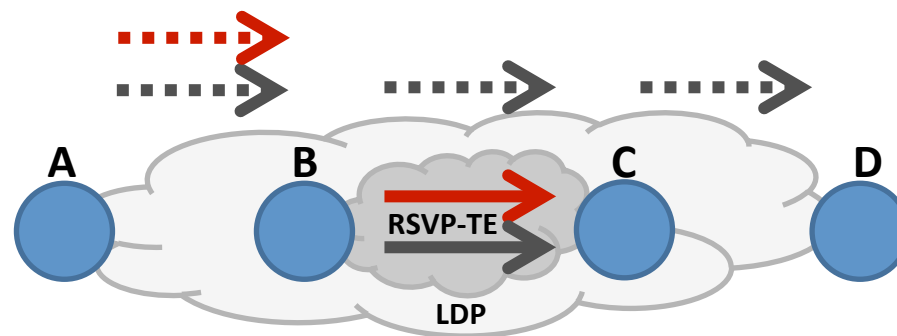
Problem

- Many networks make use of path selection policies between LSPs, in particular traffic engineered LSPs
- Many networks deploy TE LSPs between P devices and rely on LDP over RSVP-TE to establish end-to-end LSP
- Such networks are restricted in their ability to implement numerous path selection policies
- Path choices can be extended to PE devices to enable richer path selection policies



Solution

- Extend LDP to signal multiple label mappings for a particular prefix
- Associate an identifier (color) with each label mapping
- Allow an egress LSR to signal interest in multiple label mappings
- Midpoint LSR introduces multiple label mappings based on presence of multiple LSPs



Next Steps

- Add details on procedures for advertisement multiple label mappings
- Add details on multicast LDP FEC elements
- Incorporate comments (feedback welcomed)
- Move document to WG status

Thank you!