

Conveying path setup type in PCEP messages

draft-ietf-pce-lsp-setup-type-01.txt

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Background

- So far, the PCEP protocol and its extensions implicitly assumed that the TE paths are label switched, and are established via the RSVP-TE protocol. However, other methods of LSP setup are not precluded.
- When multiple path setup methods are deployed in a network, a given PCEP session can be used to simultaneously support more than one path setup types.
 - This document introduces a generic TLV to facilitate such operational model.

Proposed Approach

- New OPTIONAL TLV called “PATH-SETUP-TYPE TLV” is introduced:
 - Path Setup Type (PST) field indicates the method used to setup the path
 - This document defines PST of 0 (default) for RSVP-TE signaled LSP.
 - PST for other setup types shall be defined in the draft(s) specifying other solution (e.g., Segment Routed Traffic Engineering LSP).
 - Absence of this TLV also indicates RSVP-TE signaling.
- This TLV can be carried in RP or SRP object.

Next Step

- This draft was first presented at IETF 88
- Have 3 or 4 implementations
- Would like to request for last call

Thank You !