Conveying path setup type in PCEP messages

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

IETF 88

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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 may have 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 "LSP-SETUP-TYPE TLV" is introduced:
  - Path Setup Type (PST) field indicates the method used to setup LSP
  - This document defines PST only for RSVP-TE signaling **(PST = 0)** which is the default type.
  - PST for other setup types shall be specified in the respective draft
  - Absence of this TLV also indicates RSVP-TE signaling

- This TLV can be carried in RP or SRP object.

Next Step

- Would like to ask for WG adoption