Conveying path setup type in PCEP messages

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

IETF 88

Siva Sivabalan, Jan Medved (Cisco Systems)
Ina Minei (Juniper Networks)
Robert Varga (Pantheon Technologies SRO)
Ed Crabbe (Google)

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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