# Conveying Policies associated with Traffic Engineering Paths over PCEP Session

draft-sivabalan-pce-policy-identifier-00.txt
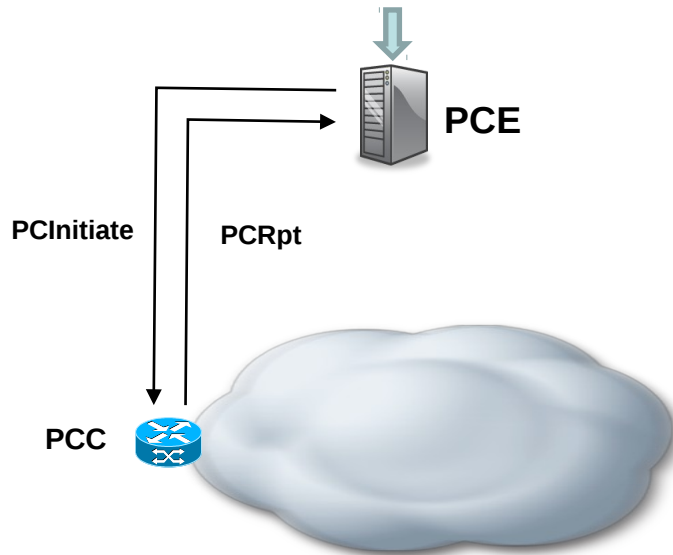
## IETF 94

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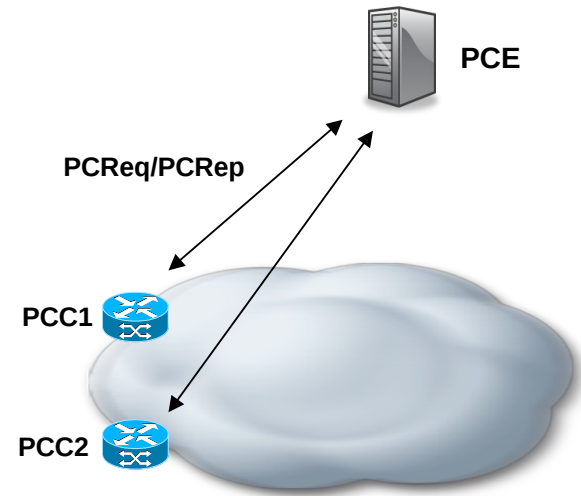Jonathan Hardwick (Metaswitch)

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# Motivation

**Example 1**

**Example 2**



**PCE**

**PCInitiate**

**PCRpt**

**PCC**

**Policy:** PCE wants to instantiate and monitor it using BFD

**PCE**

**PCReq/PCRep**

**PCC1**

**PCC2**

**Policy:** PCC1 and PCC2 require diverse paths

A generic mechanism for opaquely carrying policies over PCEP channel enables operators to introduce and deploy policies faster.

# Proposed Approach

- New OPTIONAL TLV called "POLICY-ID-TLV" is introduced:

- The TLV contains:
  - A numeric policy Identifier
  - A flag to indicate if the policy associated with the TLV is mandatory
  - Optional one or more VENDOR-INFORMATION-TLV(s)

- The TLV is associated with LSP object, and can be carried in PCInitiate, PCRpt, PCUpd, PCReq, and PCRep messages.

# Next Step

- Have real use-cases.

- Already supported by multiple implementations

- Early IANA code-point allocation will be requested soon.

# Thank You !