PCEP Extensions for Stateful PCE Usage in GMPLS Networks

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draft-zhang-pce-pcep-stateful-pce-gmpls-03.txt

Xian Zhang (zhang.xian@huawei.com)
Fatai Zhang (zhangfatai@huawei.com)
Young Lee (leeyong@huawei.com)
Ramon Casellas (ramon.casellas@cttc.es)
Oscar Gonzalez de Dios (ogondio@tid.es)
Zafar Ali (zali@cisco.com)
Dhruv Dhody (dhruv.dhody@huawei.com)

Motivation and Outline

- **Motivation**

  Identifying the gaps for PCEP extensions, in supporting stateful PCE implementation in GMPLS-controlled networks

- **Overview**

  - LSP capability advertisement;
  - LSP state synchronization in GMPLS-controlled networks;
  - Modification of existing PCEP procedure;

The Update from Version 01

Update highlights:

- ✓ Update the entire document according to the draft-ietf-pce-stateful-pce (version 6) (mainly terminologies and notation);
- ✓ Add Zafar Ali as a co-author;

Open Discussion

- **Section 2.5 and 2.6 describes the impact of introducing the PLSP-ID to existing PCEP messages**
  - Extensions to XRO and add <LSP> object to PCReq.
  - Useful for a passive stateful or an active stateful PCE (not assuming all LSPs are delegated)
- **Discussion**:

  Since they are generic, should be put in the core extension draft. Thoughts?

Next Step

- The draft is stable and the authors would like to ask for WG adoption.