PCEP Extensions for Establishing Relationships Between Sets of LSPs

draft-minei-pce-association-group-03

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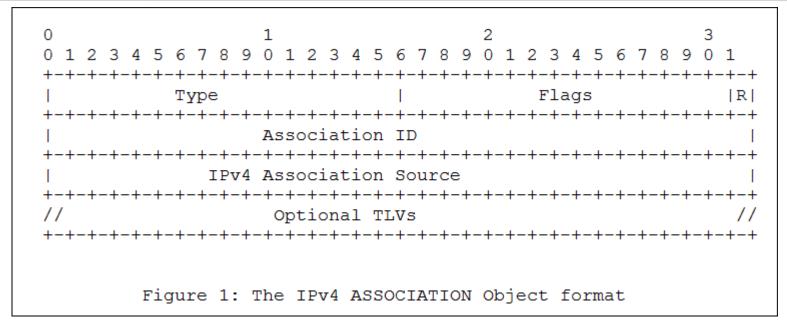
What this draft is about

- A generic mechanism to create an association of LSPs
 - disassociation also supported
- What can be associated?
 - two sets of LSPs (for example primary and backup)
 - a set of LSPs with a set of attributes for example configuration parameters for LSP sets
- This draft provides the infrastructure for creating such an association.
 TLVs for specific uses are defined separately
 - primary/backup association for protection
 - LSPs and attributes association

Changes from version 02

- Encoding now (partially) aligned with the RSVP-TE ASSOCIATION object:
 - Type: 4 bits => 16 bits
 - Association ID: unchanged BUT COMPATIBLE
 - Association Source: unchanged since tied with error handling
- Handling unexpected session termination
 - Introduced the "association timeout interval"- a PCC local parameter with value larger than the delegation timeout interval, and smaller than the state timeout interval.
 - All PCE-created associations are cleared up when the association timeout interval time expires.

The association object



Type: 16 bits - the association type (for example protection). The association type will be defined in separate documents **Flags: 16 bits** – only one defined: R (Removal - 1 bit): when set, the requesting PCE peer requires the removal of an LSP from the association group

Association ID: 32 bits - the identifier of the association group

Association Source: 4 or 16 bytes - An IPv4 or IPv6 address, which is associated to the PCE peer that originated the association.

Optional TLVs: Variable - no TLVs are defined in this document

Next steps

- Several other drafts depend on this draft.
- The authors are asking for the draft to be considered for WG adoption.