RSVP-TE Extensions to Exchange MPLS-TP LSP Identifiers

CCAMP WG, IETF 83th, Paris

draft-zhang-ccamp-mpls-tp-rsvpte-ext-tunnel-num-02

Fei Zhang
Xiao Bao
Update from V01 to V02

- The Extended Association object is reused
  - The “LSP identifiers” are already defined in the Extended Association object
  - The object can be used without matching Path or Resv states

- A new Association Type is defined
  - “LSP Identifiers” , used without matching Path or Resv States
  - Association Type -Specific rules: the object can appear in Path or Resv messages across sessions or in a single session, and the values can be different
Signaling Procedures

- Co-routed bidirectional LSPs
  - Optional
  - Path / Resv messages

- Associated Bidirectional LSPs
  - Optional
  - Path / Path messages

<table>
<thead>
<tr>
<th>Extended Association Object</th>
<th>Co-routed Bidirectional LSPs</th>
<th>Associated Bidirectional LSPs</th>
</tr>
</thead>
<tbody>
<tr>
<td></td>
<td>A1-Path</td>
<td>A1-Path (LSP1)</td>
</tr>
<tr>
<td></td>
<td>Z9-Resv</td>
<td>Z9-Path (LSP2)</td>
</tr>
<tr>
<td>Association Type</td>
<td>LSP Identifiers</td>
<td>LSP Identifiers</td>
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<tr>
<td>Association ID</td>
<td>A1-Tunnel_Num</td>
<td>A1-Tunnel_Num</td>
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<tr>
<td></td>
<td>Z9-Tunnel_Num</td>
<td>Z9-Tunnel_Num</td>
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<tr>
<td>Association Source</td>
<td>A1-Node_ID</td>
<td>A1-Node_ID</td>
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<td></td>
<td>Z9-Node_ID</td>
<td>Z9-Node_ID</td>
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<td></td>
<td>Z9-Global_ID</td>
<td>Z9-Global_ID</td>
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<td>Extended Association ID</td>
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</tbody>
</table>

- Why a new Association Type
  - The requirements are different from associated bidirectional LSPs
  - The processing rules are different
  - Easy implementation
Next Steps

☐ Adopted as a WG document?
  ✓ Simple, but addressing the exact requirements
  ✓ Discussed a lot in the meeting and mailinglist

☐ Comments?

Thanks