

IS-IS Path Control and Reservation at L2

draft-ietf-isis-pcr-01

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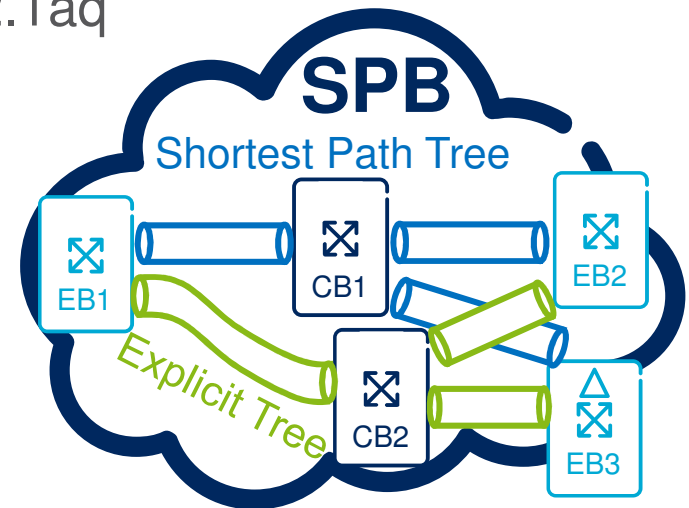
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Recap

Scope of draft-ietf-isis-pcr and 802.1Qca

- › Provide IS-IS control beyond Shortest Path Trees (SPTs) for Shortest Path Bridging (SPB) networks
 - Augmenting SPB with non-shortest path capabilities
 - Small diameter and infrequent use case
 - Extensions to RFC 6329 and IEEE 802.1aq
- › Exception traffic steering
 - SPT of Edge Bridge (EB) 1 is via Core Bridge (CB) 1
 - Explicit Tree (ET) of EB 1 is via CB 2
 - › ET: pruned L2 multicast trees, e.g. for BUM
- › No protocol changes, only a couple of new sub-TLVs and reuse of existing ones as much as possible



Status

- › Changes in draft-ietf-isis-pcr
 - IS-IS PCR sub-TLV code point values added
 - IS-IS TE Metric Extensions sub-TLV code point values added
 - Updates according to the changes in P802.1Qca D2.1, e.g. "Traffic End Point" has been replaced with "Edge Bridge".
 - some fine polishing, e.g. ASCII art in Figure 8(b).
- › 802.1Qca has been approved by 802, submitted to RevCom
 - 802.1Qca is done, no further changes
- › Next step with draft-ietf-isis-pcr
 - WG last call?