

Receiver-Driven Multicast Traffic-Engineered Label-Switched Paths

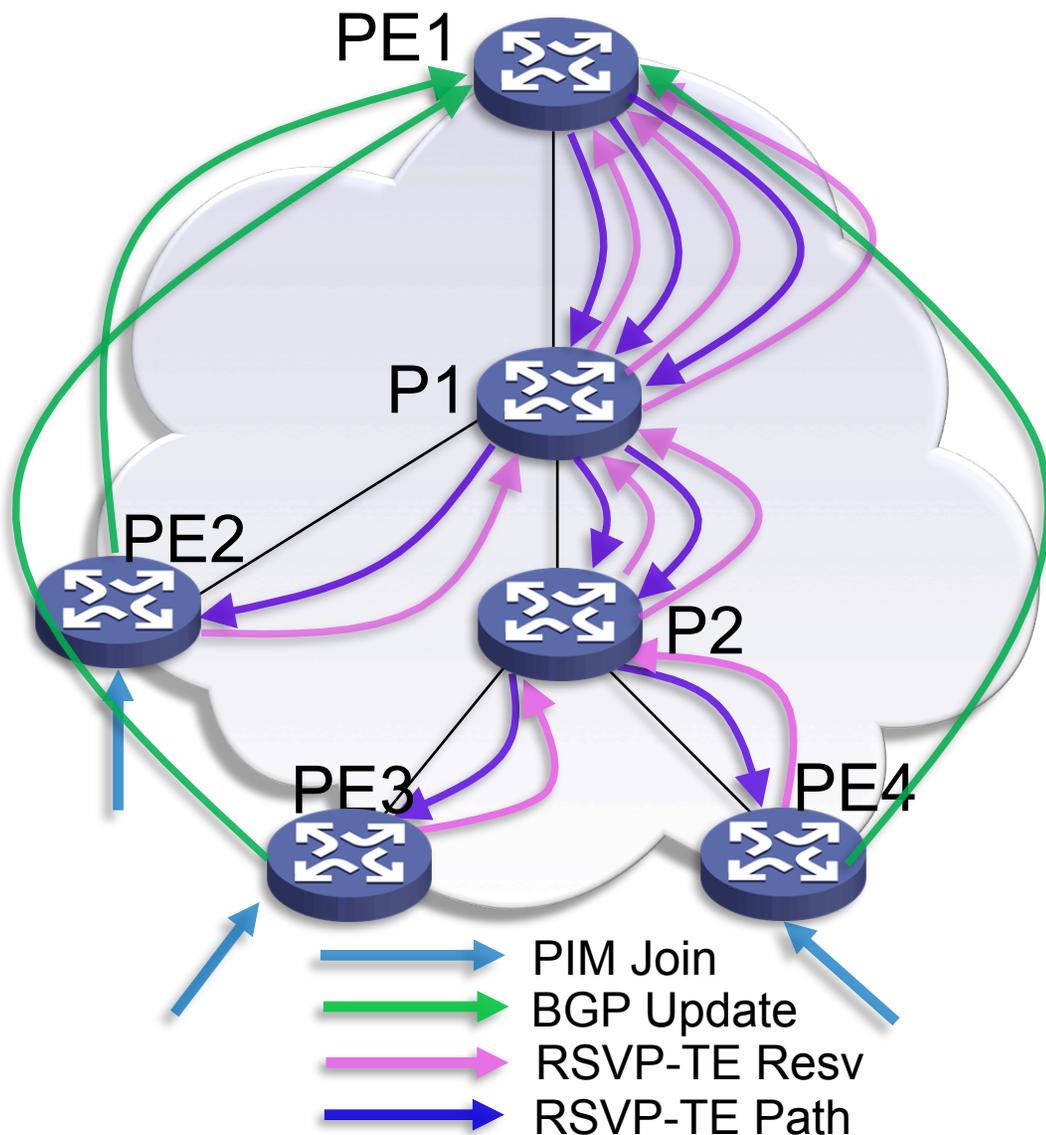
draft-lzj-mpls-receiver-driven-multicast-rsvp-te-03.txt

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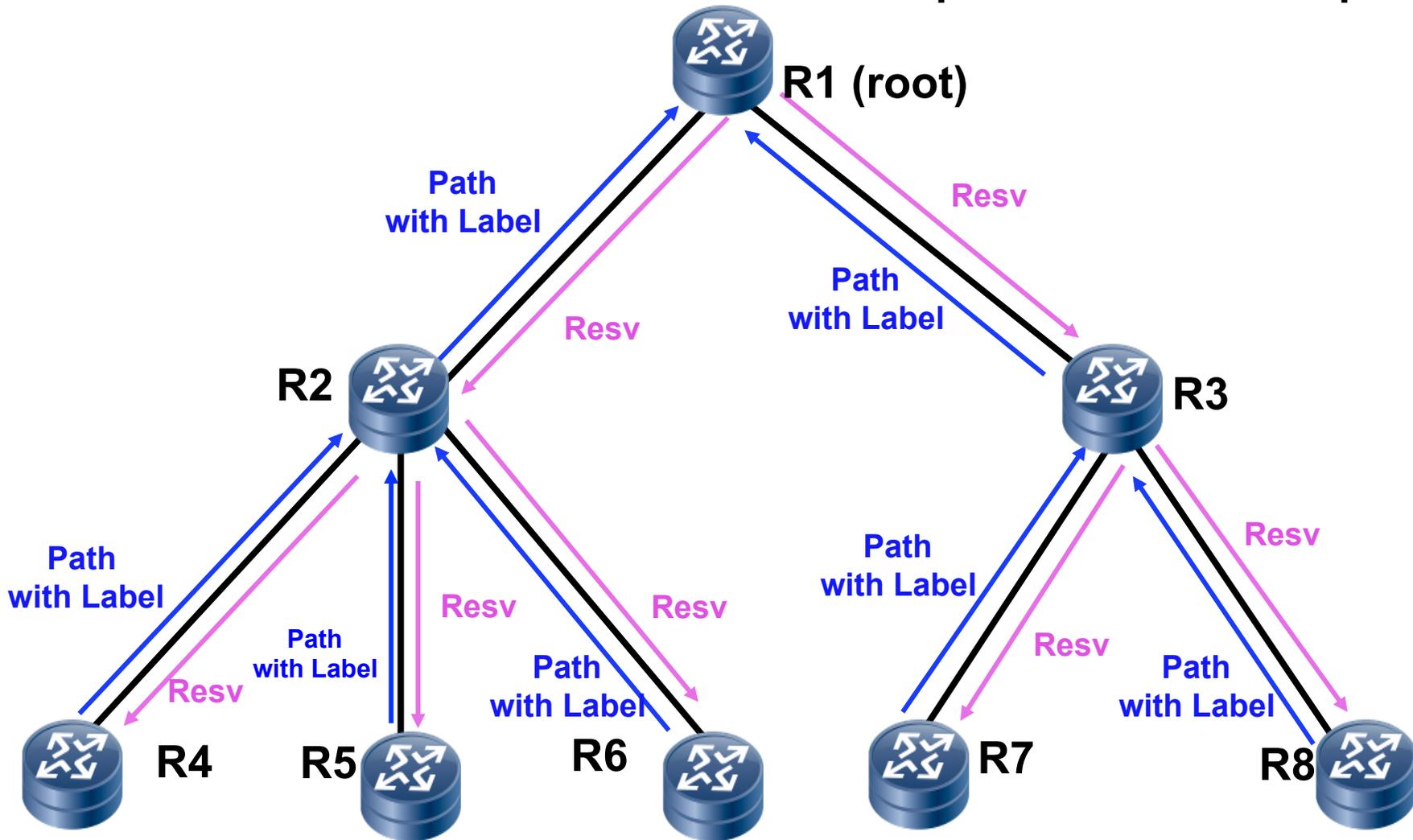
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Quick Review: Issues with P2MP RSVP-TE



- It is awkward to inter-operate with PIM:
 - Need for a discovery protocol other than PIM or RSVP-TE, e.g. BGP
- Scalability
 - P1 needs to process many messages
 - P1 maintains many soft states
- Slow to build up MDT
 - Time for finding leaves e.g. BGP for discovery
 - The higher the tree, the slower to build up the MDT
- Not clear how to support PIM Bootstrap

Quick Review: Receiver-Driven Example: P2MP LSP Setup



- At each leaf, one Path message with a downstream-assigned label is sent to its upstream hop
- At each branch node, only the first received Path message is sent upstream
- For each received Path message, a Resv message is sent downstream

Updates in this New Version

- Two new co-authors are added:
 - Eduard Metz;
 - Boris Zhang;
- Removed the details of the PIM inter-working related contents from this version 2 of the draft and will use a separate PIM inter-working document cover those details.
- Updates the texts in the following sections:
 - Introduction;
 - Motivation;
 - Terminology;
 - Multicast VPN;

Current Status

- An implementation is complete. If anyone is interested in a demo, please contact me.

Next Steps

- Seeking feedbacks from you
- Any suggestions? Questions? Etc?