

Clarify BFD Session Bootstrap over MPLS LSP

draft-mirsky-mpls-bfd-bootstrap-clarify

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Bootstrap BFD session over MPLS LSP

- Because of PHP RFC 5884 defined how to use LSP Ping to bootstrap BFD session
- RFC 5884 does not specify Reply mode setting when LSP Ping is used to bootstrap BFD session
- RFC 5884 requires that the egress LER sends its BFD control packet first if MPLS LSP Echo reply, if any required
- RFC 5884 does not specify how the ingress LER MAY handle BFD Discriminator TLV if one included in the MPLS LSP Echo reply sent by the egress LER
- Extensive discussion triggered by the Erratta on RFC 5884 directly related to the bootstrapping process

Proposed clarification

- Sender:
 - Ingress LER SHOULD set Reply mode to “No reply”
- Responder:
 - Egress LER SHOULD NOT include BFD Discriminator TLV in MPLS LSP Echo reply
 - or
 - Ingress LER MUST ignore BFD Discriminator TLV if present in MPLS LSP Echo reply

Next steps

- Your comments, suggestions, questions always welcome and greatly appreciated
- How to handle?
 - Erratta
 - 5884bis
 - Draft
 - None of the above