



IETF 102 – Montreal
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IDR Working Group

draft-li-idr-bgp-ls-sbfd-extensions-02

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Problem Statement

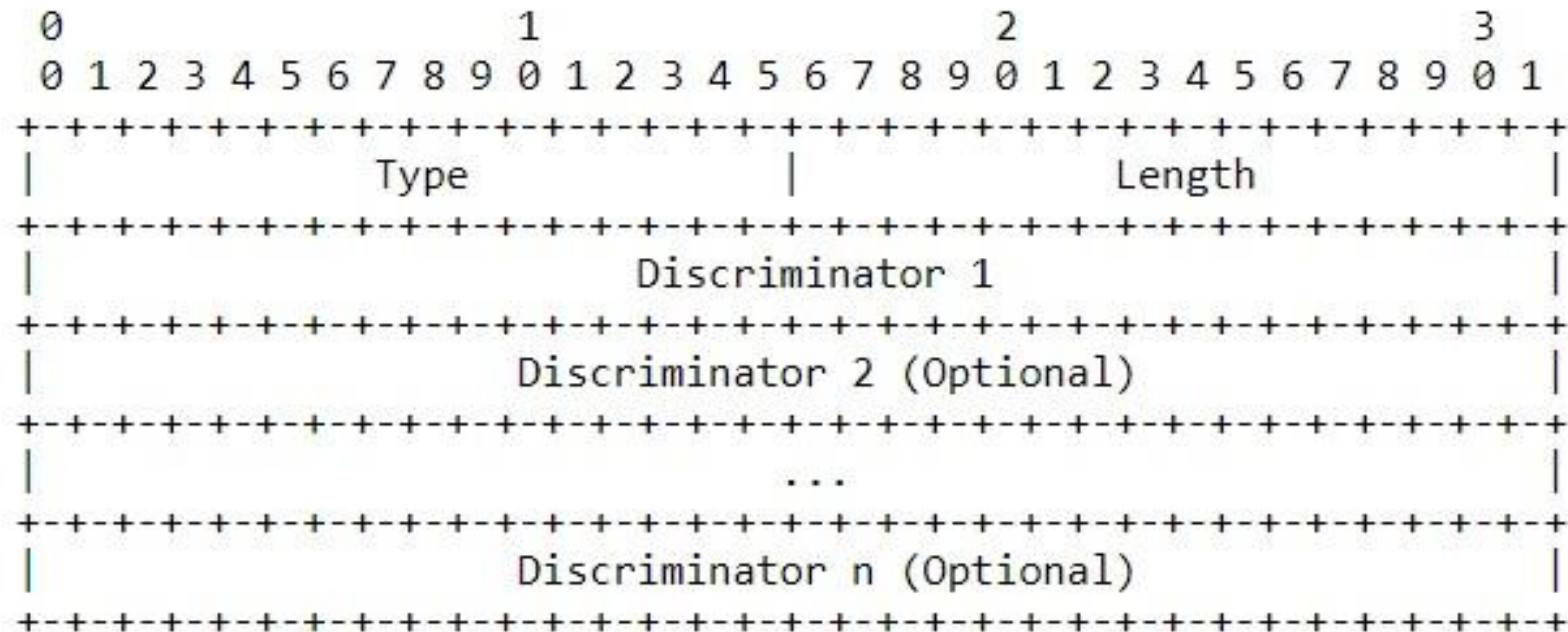
- S-BFD session can be setup in a light weight manner for monitoring a service path between two nodes in a network
- S-BFD session is setup to a remote node using its S-BFD discriminator which is flooded via IGP
- Use-cases require discovery of S-BFD discriminators for nodes across IGP domains
 - End to end service path over Seamless MPLS network
 - SR Policies spanning multiple-domains

What does this draft propose?

- S-BFD discriminators are node attributes that are flooded via IGPs
 - OSPFv2/v3 – RFC7784
 - IS-IS – RFC7883
- Advertise S-BFD discriminators as node attribute via BGP-LS
- Enable learning of S-BFD discriminators for remote nodes across domains and by a controller to set up S-BFD monitoring for end-to-end multi-domain paths

S-BFD Discriminators TLV

- Attribute signalled as part of the Node NLRI



Status

- Corresponding IGPs drafts have been RFCs for some time now
- This document had expired but updated now with new requirements/use-cases and clarified text

Next Steps

- Requesting WG adoption and any inputs/feedback