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 IGPs

• 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