

# Entropy Label for SR-MPLS

draft-kini-mpls-spring-entropy-label-02

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# Since IETF 90

- Lot of discussion on mailing list
- Added co-authors
- Updated draft with a recommended solution
- MPLS-RT review
- Updated draft to address MPLS-RT review comments

# Summary of draft changes

- Introduced the RLD attribute for a LSR
  - Readable Label Depth (RLD) describes the maximum depth of the label stack that the LSR is capable of using to do load balancing
- Added a recommended solution
  - Follows RFC 6790
  - Multiple <ELI, EL> pairs can be used to improve the chance that most transit LSRs will encounter an EL within the label stack it receives at a depth  $\leq$  its RLD

# Summary of draft changes (contd)

- Added a recommended solution (contd)
  - Set of recommendations for inserting <ELI, EL>
    - Give preference to add <ELI, EL> deeper in the stack
    - Maximize load balancing by inserting EL within RLD of the ingress label stack of the most number of transit LSRs
    - Minimize the growth of label stack (i.e. number of <ELI, EL> pairs added)
  - Includes a sample algorithm to insert ELs

# Summary of draft changes (contd)

- Moved all other solutions that were tabled to a new section
  - Included reasoning as to why they were not recommended
- Addressed case of FA-LSP

# Next Steps

- WG acceptance call
- Address remaining comments on the mailing list
- Related drafts on advertising RLD, OAM, ...