PIM DR Load Balancing

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draft-ietf-pim-drlb-02

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Status

- draft-hou-pim-drlb presented at IETF 82, Taipei, accepted as WG draft-ietf-pim-drlb-00

- draft-ietf-pim-drlb-01 presented at IETF 83, Paris

Overview

- Elect multiple forwarders on the last hop LAN

  - Each is called a GDR (Group DR)

  - Hashing is used to determine which candidate GDR becomes the GDR

- Forwarding load is now distributed

- During a failover only a subset of the forwarding states need to be rebuilt

Update From draft-ietf-pim-drlb-01

- ## GDR Election Hash Algorithm
  - Changed to BSR style hash algorithm

- ## Hello Options
  - Remove Load Balance Mask (LBM) option
  - Move Group/Source/RP Masks into LBGDR option, advertised by DR only
  - A new Load Balance Capability option (LBC)

After That…

- More experiment on GDR hash algorithm
- Implementation