PIM DR Load Balancing

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draft-ietf-pim-drlb-02
IETF 86, Orlando
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