# PIM Snooping
# draft-ietf-l2vpn-vpls-pim-snooping-05

88th IETF, Vancouver

# Please Review

- L2VPN WG document
- Expected WGLC before London IETF
- Please review
- Comments to [l2vpn@ietf.org](mailto:l2vpn@ietf.org)

# Messages

- Snoop Hello/Join/Prune messages
- Snooping mode
  - J/P messages flooded as is
  - PIM Join Suppression must be disabled
- Relay mode
  - J/P messages forwarded to upstream ports only
- Proxy mode
  - Received J/P messages consumed and not sent
  - J/P messages generated from J/P states and sent upstream

# FSMs

- Downstream FSM for snooped J/Ps
- Upstream FSM for sending upstream J/P in Proxy mode
- Like in PIM
  - Though Joins/Prunes tracked per upstream neighbor (as carried in J/P messages)
    - Different PIM routers may pick different upstream, and a switch does/can not resolve the difference

# Data forwarding

- Traffic forwarded out of downstream ports/PWs where joins are received

- Traffic forwarded out of upstream ports/PWs where joins are sent
  - To facilitate assert procedure among PIM routers
    - Upstream PIM routers will receive traffic from each other, triggering assert

# Please review

- Lot of details in the draft
- Comments to [l2vpn@ietf.org](mailto:l2vpn@ietf.org)