Extended Optimized Ingress Replication for EVPN

draft-wsv-bess-extended-evpn-optimized-ir-02

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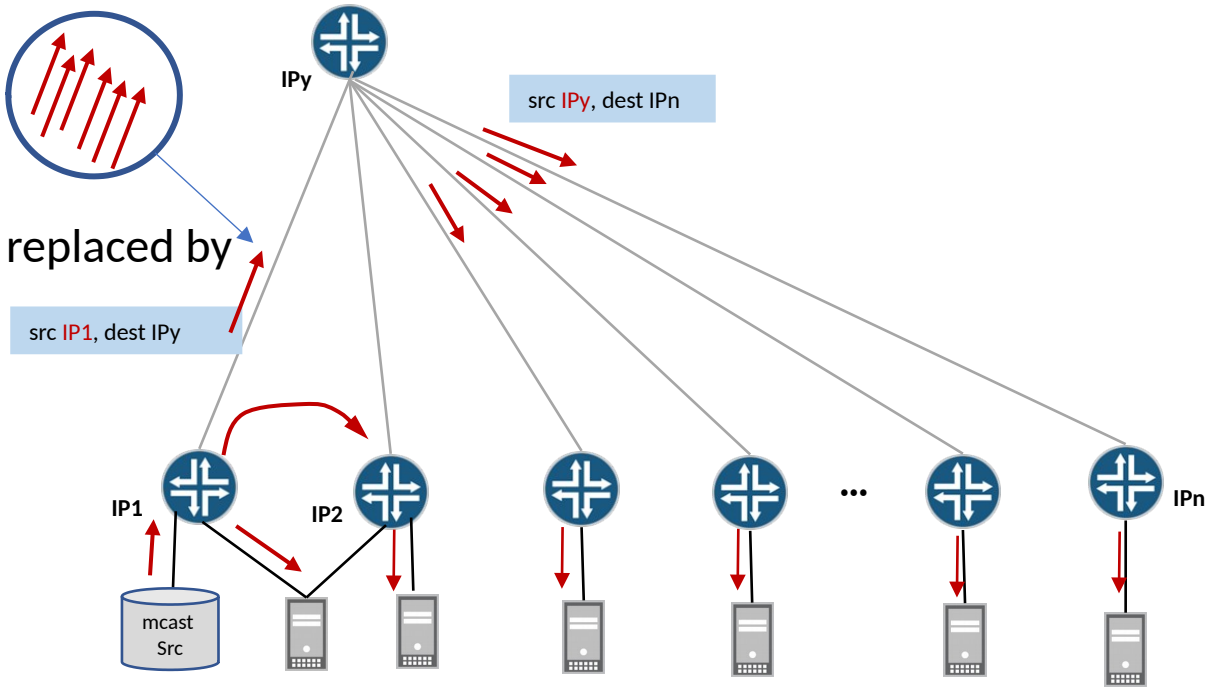
Status Update

- No change to the draft since last presentation at BESS working group
- Juniper Networks implemented the solution
- Shipped since the first half of 2019

Advantage of Using Extended Optimized Ingress Replication



- Inherit the advantages of optimized ingress replication. Save uplink bandwidth: replacing multiple copies of the same multicast/broadcast flow with one single copy from the leaf (AR-LEAF) to the spine (AR-Replicator).
- Alleviate the burden of AR-LEAF node
- Overcome the hardware limitation of AR-Replicator or reduce the complexity of AR-Replicator to support AR-LEAF multihoming: no need to maintain AR-LEAF's IP address or ESI label
- Support AR-LEAF multihoming based on either local bias/source IP address or ES label - AR-LEAF performs its normal IR procedure to its peer AR-LEAF.

Next Step

Would like to ask for working group adoption

Update based on comments from working group