

EVPN Support for L3 Fast Convergence and Aliasing/Backup Path

draft-sajassi-bess-evpn-ip-aliasing-03

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Changes in revision 3

Revision 2

- Describes “IP Aliasing” in three supported use-cases:
 1. Ethernet Segments for Host Routes in Symmetric IRB
 2. Ethernet Segments for Host Routes in Interface-less IP-VRF-to-IP-VRF model
 3. Ethernet Segments for IP Prefix routes as a Layer-3 construct

Revision 3

- Adds an example for use-case 2
- Clarifies how the Ethernet Segment is extended as a Layer-3 construct for use-case 3
- Adds section 8 about compatibility of IP Aliasing and Unequal ECMP

Ethernet Segments for IP Prefix routes as a Layer-3 construct

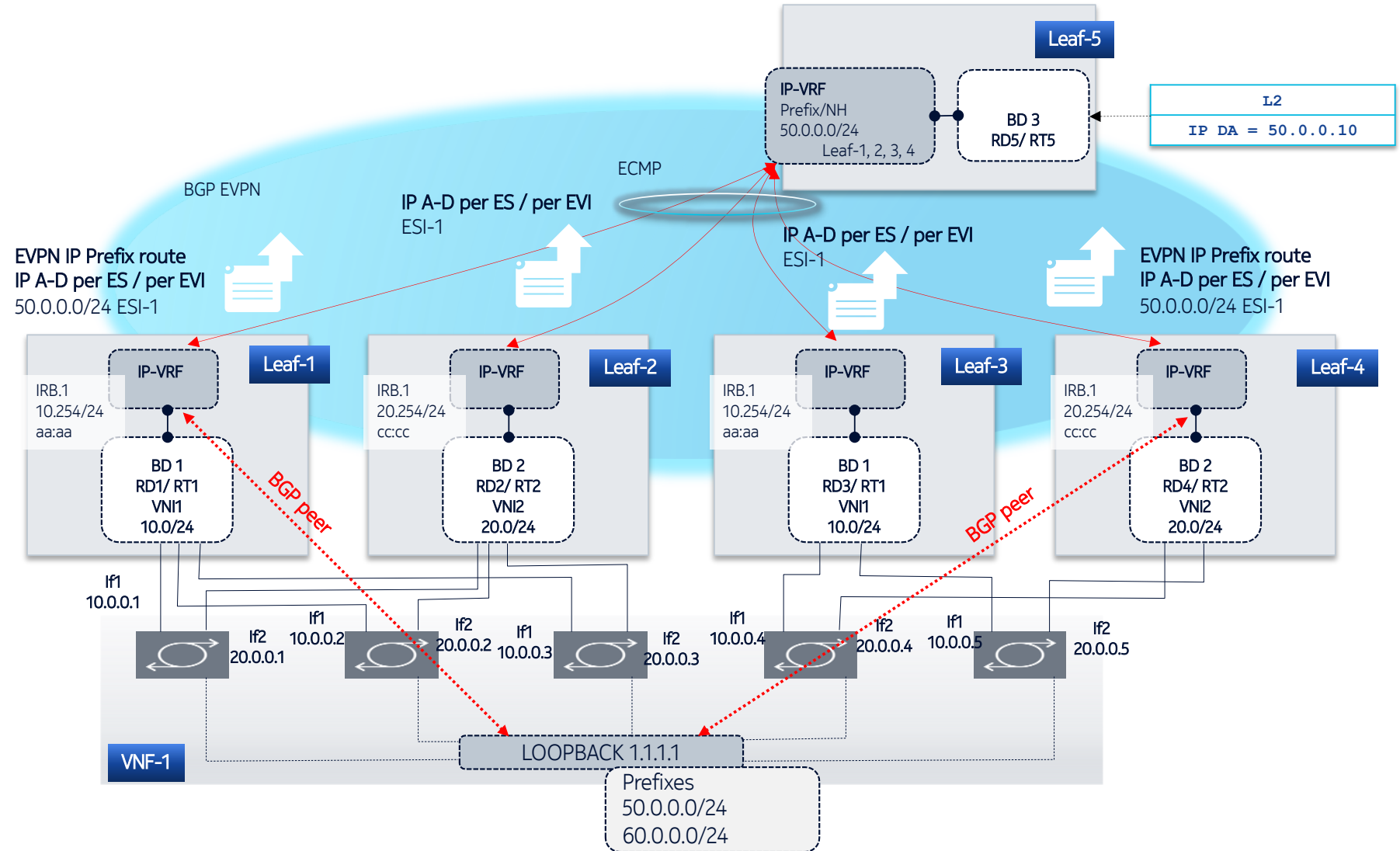
Layer-3 Ethernet Segment

ES defined as a set of L3 links to the multi-homed CE and its state linked to the IP-VRF reachability of the CE's loopback via non-EVPN routes

ESI SHOULD be of type 4 (set to the router-ID of the multi-homed CE)

DF Election only needed in case of single-active multi-homing mode

PE-CE routes advertised from the CE's loopback as the next-hop are re-advertised as IP Prefix routes with the associated ESI



Conclusions and next steps

The authors ask for WG adoption

Thank you