

EVPN Support for L3 Fast Convergence and Aliasing/Backup

draft-ietf-bess-evpn-ip-aliasing-01

A. Sajassi (Cisco)

J. Rabadan (Nokia)

S. Pasupula (Cisco)

L. Krattiger (Cisco)

J. Drake (Independent)

IETF119, Mar 2024

Brisbane

Document and Changes in the last revision

draft-ietf-bess-evpn-ip-aliasing-01

What was this about?

Fast convergence and aliasing/backup path in inter-subnet forwarding scenarios where the Ethernet Segment is a set of Ethernet links (use-cases 1 and 2) or it is exclusively a layer-3 construct (use-case 3)

Changes in rev 01 addressing feedback from the WG about the third use case (ES as layer-3 construct)

- Clarify that scenarios in use-case 3 are typically deployed using redundant BGP PE-CE sessions
- Clarify what makes a layer-3 ES state be up or down (a non-EVPN route to the CE's IP)
- Clarify that the CE's IP can be resolved via any non—EVPN route (static, local, etc)

Changes addressing questions on the mailing list and others

- Clarify that the IP-VRF's RD used for IP A-D per EVI route is unique in the PE (to avoid clash with Ethernet A-D per EVI route in use cases 1 and 2)
- Fixed typos and updated references

Next Steps

1. More feedback
2. Move to WGLC

Thank you