

# draft-sajassi-bess-evpn-rfc8317bis-02.txt

A. Sajassi (Cisco), J. Rabadan (Nokia),  
J. Drake (Juniper), A. Appachi gounder  
(Google), A. Bamberger (Arista)

IETF 121, March 2024

Dublin, Ireland

# History

---

- Presented Rev00 at IETF 117 in July 2023
- No major changes for Rev01 !!
- Added section 5.4 in Rev02 & Rev03

# Primer: Scenarios in RFC 8317

1. Leaf or Root Site(s) per PE
2. Leaf or Root Site(s) per AC Scenario (superset of scenario-1)
3. Leaf or Root Site(s) per MAC Address (no changes)

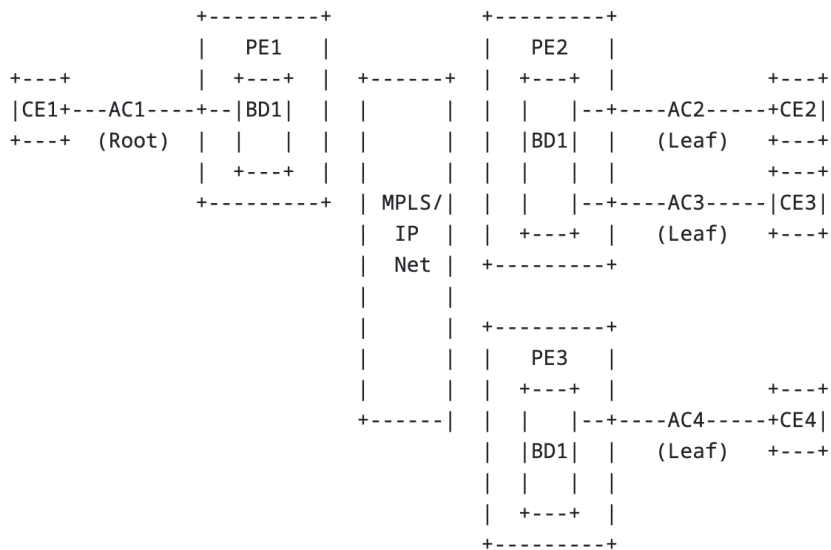


Figure 1: Scenario 1

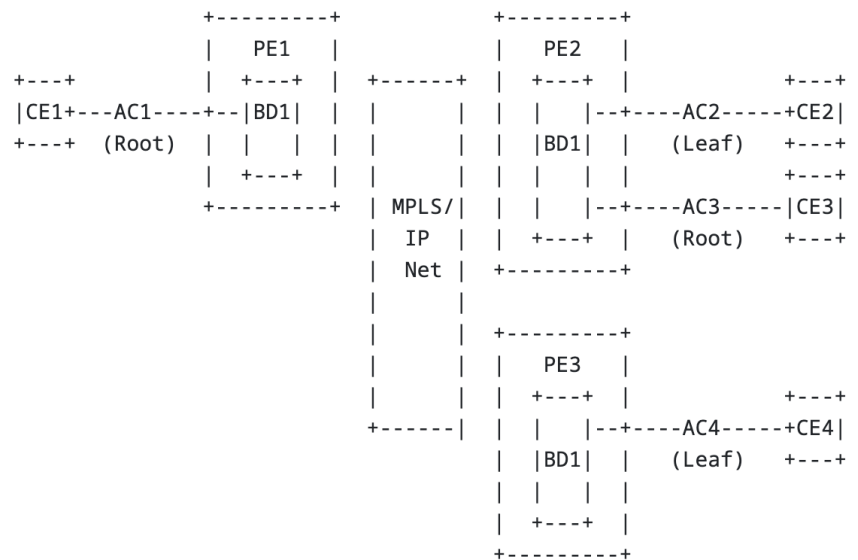


Figure 2: Scenario 2

# Section 5.4: BUM Traffic w/ SRv6 Encapsulation

---

- Section 5.4 specifies the procedure for egress filtering of BUM traffic with SRv6 encapsulation.
- The procedure is analogous to the one described in Section 5.2 for MPLS tunnels and ingress replication
- Only replacing the Leaf labels in MPLS-encapsulated frames with Arg.FE2 in SRv6 encapsulated frames

# Section 5.4: BUM Traffic w/ SRv6 Encapsulation - II

---

- The Arg.FE2 is allocated by the egress PE and, as in Section 5.2, signaled in Ethernet A-D per ES routes with ESI of zero and a set of route targets corresponding to all BDs on the PE where each BD has at least one Leaf site.
- In the cases where the ingress PE needs to send BUM traffic to the egress PE that advertised the Arg.FE2 argument, and that traffic is coming from a Leaf Attachment Circuit, the ingress PE encodes the Arg.FE2 value as part of the SID value.

# Next Step

---

- Very stable with no changes to existing sections
- Already requested for WG adoption at IETF 119

---

**THANK YOU!**