

Usage and applicability of BGP MPLS based EVPN

draft-rp-l2vpn-evpn-usage-02

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IETF 90, July 2014

Toronto, Canada

Changes in version 02

- Alignment with draft-ietf-l2vpn-evpn-07
- Packet walkthrough section
 - Proxy-ARP process clarified
- Section 7 - Comparison between MAC-based and MPLS-based forwarding models
 - Added “MPLS labels consumed”
- Section 8.1.2 - Proxy-ARP
 - ND for ipv6 added

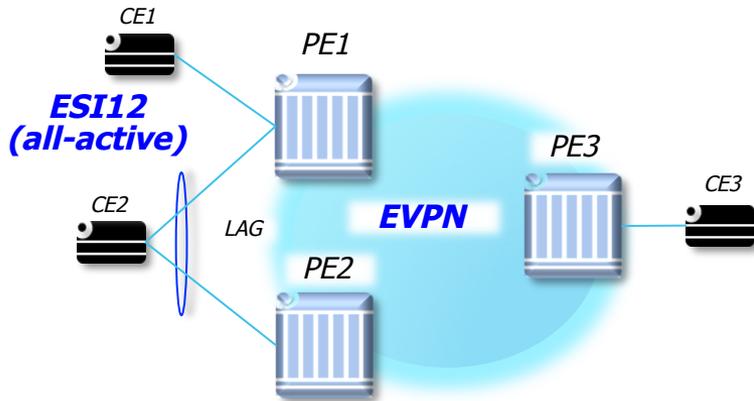
Next steps

- Given that the base evpn draft has passed WG LC the authors would like to request WG adoption for this draft

Thank you

BACKUP SLIDE - *draft-rp-l2vpn-evpn-usage*

A “simplified” guide for the EVPN deployment



*Comparison of:
VLAN-based, VLAN-bundle and VLAN-aware
MAC vs MPLS disposition models*

- Infrastructure setup
- ES discovery and DF election

Network startup procedures

- Service provisioning
- Flooding tree setup
- Split-Horizon setup
- Fast convergence setup
- Aliasing setup

Service startup procedures

- BUM packet from CE1
- BUM packet from CE2
- Unicast packet from CE3 to CE1
- Unicast packet from CE3 to CE2
- Traffic Flow optimizations

Functional State Procedures