

# Usage and applicability of BGP MPLS based EVPN

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draft-rp-l2vpn-evpn-usage-01

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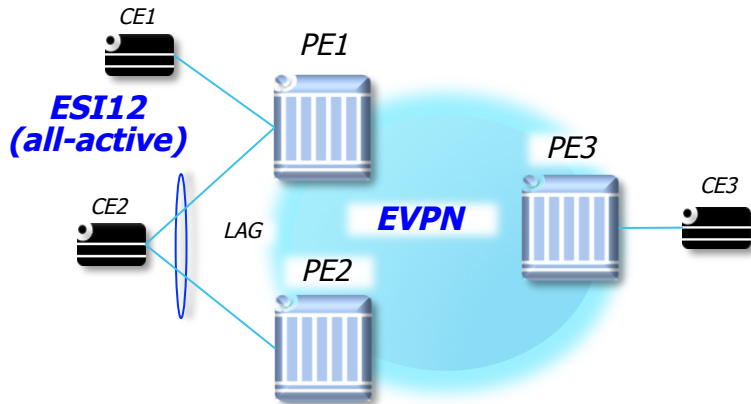
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# A “simplified” guide for the EVPN deployment



*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

# Changes in version 01

- Received feedback and comments addressed in this version
- Alignment with base EVPN draft terminology
- Changed to Informational
- Simplification of packet walkthrough:
  - Detailed explanation for VLAN-based service interfaces
  - Delta for VLAN-bundle and VLAN-aware bundle service interfaces

# Next steps

- More feedback required
- WG adoption?