draft-ietf-l2vpn-evpn-04.txt

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Changes from Rev03

- Three categories
  - Added some sections
  - Removed some sections
  - Modified some sections for better clarifications

draft-ietf-l2vpn-evpn-04.txt Additions (1)

- ES route
  - Added originating router's IP address for scenarios where ES is multi-homed across different ASes

- Sticky MAC address & MAC mobility – 16.2
  - Added a flag to ESI Ext. Community to indicate that sticky/static MAC
  - Described the corresponding procedure in 16.2

draft-ietf-l2vpn-evpn-04.txt Additions (2)

- Interoperability with Single-homing PEs – 9.6

  - Single-homing PEs need to support the following Multi-homing procedures:

  - Procedures related to Ether AD route for fast convergence, aliasing, and backup path

draft-ietf-l2vpn-evpn-04.txt Additions (3)

- Frame Ordering – new sec. 19

  - If the most significant nible of most significant byte of destination MAC address happens to be 0x4 or 0x6, then the Ethernet frame can be misinterpreted as an IPv4 or IPv6 packet

  - P nodes can load-balance different packets of the same flow onto different ECMP paths

  - In order to avoid such issues, a control world is mandated before Ethernet Header

draft-ietf-l2vpn-evpn-04.txt Removal

- Multicast using MP2MP LSPs – sec. 17.3

- Multicast for Selective Trees – sec. 17.3.2.

- Multicast with Explicit Tracking – sec. 17.4

- LACP State Synchronization – old sec. 19

- Local repair – sec. 18.2.1

draft-ietf-l2vpn-evpn-04.txt Changes (1)

- E-VPN -> EVPN

- EVI: sometimes was used as EVPN instance and some other times as MAC VRF. Clarified definition of EVI and introduced a new term MAC-VRF

  - EVI: An EVPN instance spanning across the PEs participating in that VPN

  - MAC VRF: A Virtual Routing and Forwarding table for MAC addresses on a PE for an EVI

- Update the document for the proper use of the terms EVI and MAC-VRF

- Clarified relationship between EVI, VLANs, and VIDs

draft-ietf-l2vpn-evpn-04.txt Changes (2)

- Clarified relationship between MAC-VRF, Bridge Domains (BDs), and different service types (VLAN-based, VLAN Bundle, and VLAN-Aware Bundle)

- Clarified prefix versus address (for both MAC and IP) in EVPN MAC route – sec. 10.2.1

- MPLS label field is a single label in EVPN MAC route – sec. 10.2.1.

- Expended the description of default GW for inter-subnet forwarding in sec. 11.1

draft-ietf-l2vpn-evpn-04.txt Changes (3)

- Added a paragraph in MAC mobility (sec. 16) to explain why in case of MAC mobility among single-home CEs, PEs don't need to compare ESIs.

Next Step

- As can be seen lots of cleanups have been done to get ready for WG last call

- It is ready !