ARP Mediation & IPLS Updates

draft-ietf-l2vpn-arp-mediation-13
draft-ietf-l2vpn-ipls-09

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ARP-MED History

draft-ietf-l2vpn-arp-mediation-13

- ARP mediation effort started around 2003, currently at the 13th revision.

- IPv4-only version WG Last Called a few years ago

- Last sticking point was lack of IPv6 support

- Mathew/Andrew/Neil from Alcatel-Lucent provided considerable text for IPv6 and updated draft was presented in March'09 IETF74, slides attached, FYI.

- Multiple implementations exist (some deployed)

- Most aspects of the IPv4 portions of the draft have been reviewed several times, *but still need reviews of IPv6 portions*

Current Status of ARP-MED

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- Last few revs dealt with the IANA code point overlap

- ARP-mediation draft originally used 0x2C LDP status code point and had implementations

- Turned out, the L2VPN-Signaling used the same code point (0x2C) and had IANA pre-allocation, but no implementations

- A 3rd-draft, LDP capabilities, mistakenly used same code point (0x2C), had implementations but that draft was wrong, because IANA assigned 0x2E.

- All the overlaps are sorted out and ARP-mediation has permission to use code point 0x2C for LDP status.

- *Need draft to get to IESG queue ASAP for this change to stick*

ARP-MED Conclusion

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- Authors request WG Last call right after this meeting on <u>draft-ietf-l2vpn-arp-mediation-13</u>

- Call for volunteers to review IPv6 changes to ARP-MED draft

- Please be diligent in reviewing the changes

Thank you!

IPLS (IP-Only LAN Service)
draft-ietf-l2vpn-ipls-09

- IPLS draft has followed progress of ARP-MED draft

- Changes to support IPv6 in ARP-MED draft have been ported to IPLS

- _Authors believe IPLS is now complete!_

IPLS Conclusions

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- Authors request WG Last call right after this meeting on <u>draft-ietf-l2vpn-ipls-09</u>

- Call for volunteers to review IPv6 changes to IPLS draft

- Please be diligent in reviewing the changes

  Thank you!