

CE-based Virtual Private LAN

<draft-lee-ce-based-vpl-01.txt>

55th IETF PPVPN WG

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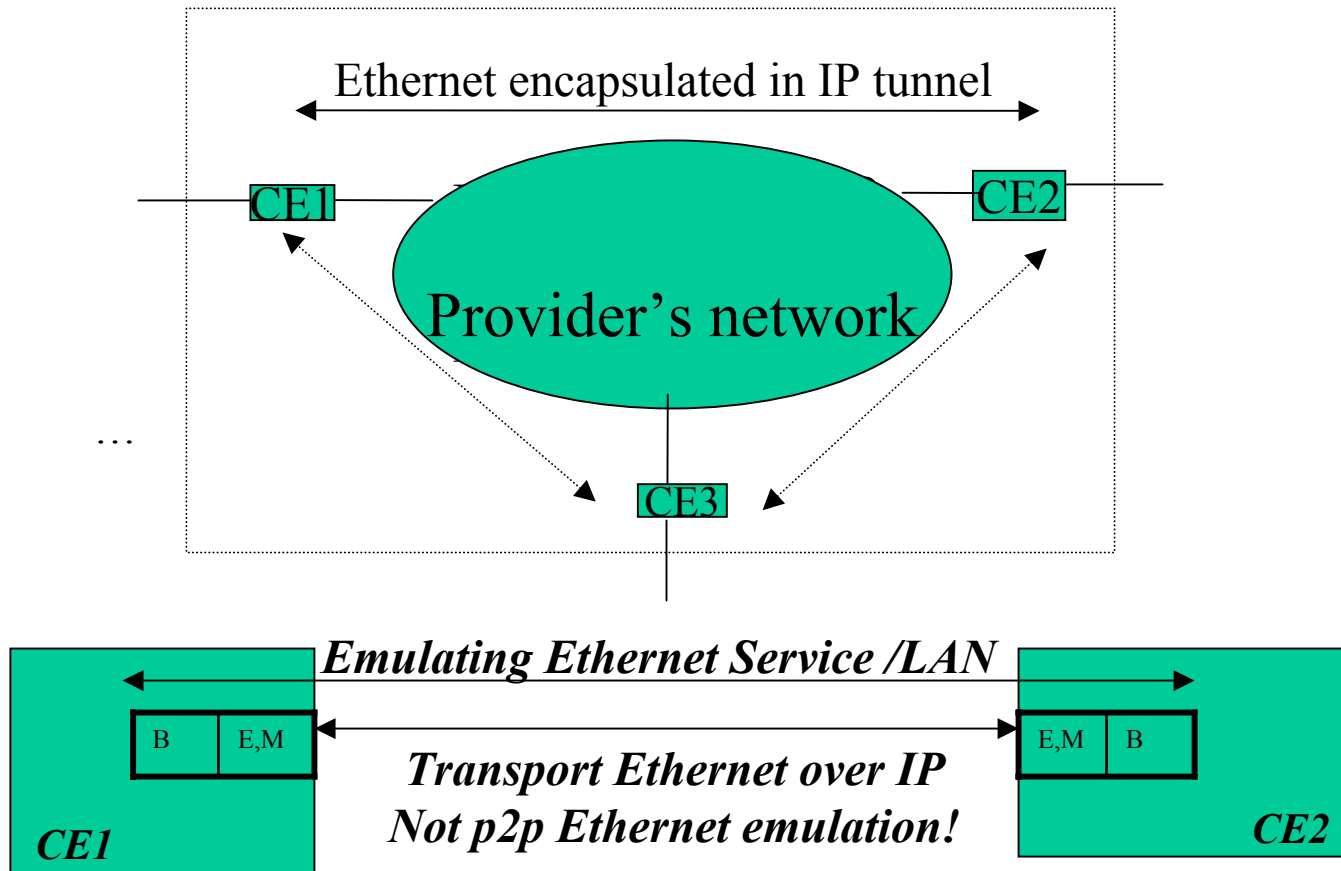
Context of proposal

- describes a CE-based Virtual Private LAN (L2 CE-based VPN) model similar to the L3 CE-based VPN model described in draft-ietf-ppvpn-ce-based-02.txt model and in draft-ietf-ppvpn-framework-06.txt
- At the moment, only L2TPv3 being specified as the tunneling protocol for this model

Update

- Previous version describes how L2TPv3 being used for this application
- Mailing list suggestions on work partitioning:
 - Tunnel Endpoint Discovery and other provider provisioned issues be discussed in PPVPN WG
 - L2TPV3 signaling & tunneling be discussed in L2TPEXT WG

An emulated LAN/VPL



B - Switch traffic as specified in IEEE 802.1d/q/future enhancement to bridging, no provider tags/label/name in traffic required

E,M – Encapsulation, Multiplexing

Optimization for emulated LAN

- Modification in Ethernet bridging

Question: Should this be specify in IETF or other L2 standardization bodies?

Future

- VPL Provisioning (setup/teardown) failure scenarios
- Monitoring of VPL connectivity
 - Between CEs
 - Between end nodes in a VPL ?
- Use appropriate tunnel endpoint discovery mechanisms described in CE Auto-Configuration draft for VPL
- Specify any other additional L2TPv3 specifics signaling, error messages required in L2TPEXT WG