



L2VPN TUTORIAL

Path to Convergence

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Agenda

- 1. Introduction to L2VPNs**
- 2. Signaling Concepts**
- 3. VPWS Transports**
- 4. VPWS Service Interworking**
- 5. Virtual Private LAN Service**
- 6. Pseudo Wire Stitching**
- 7. Quality of Service**
- 8. Demonstration**
- 9. Q&A**

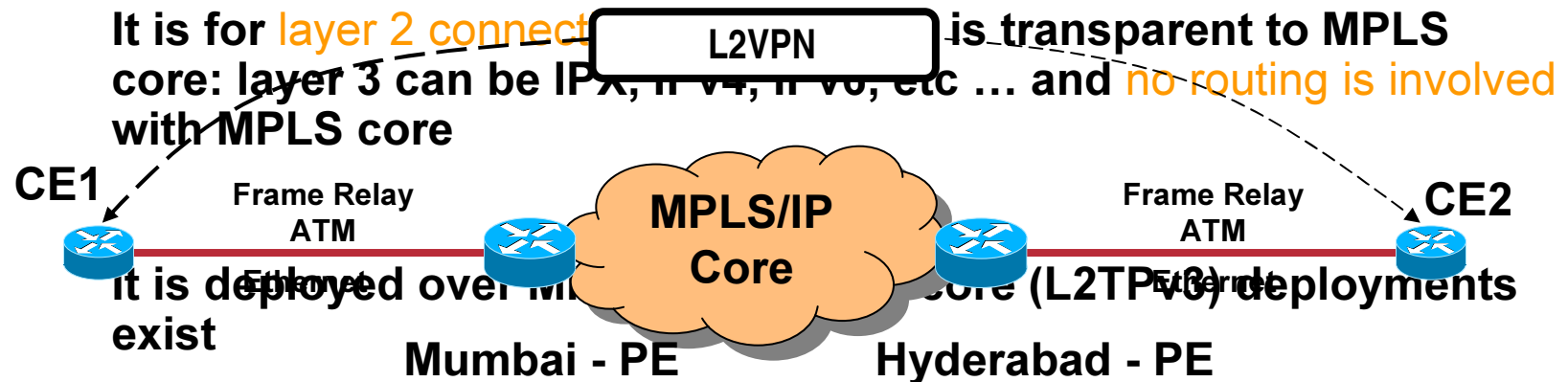
Introduction to L2VPNs



What is L2VPN?

- L2VPN provides an **end-to-end layer 2 connection** to an enterprise office in Mumbai and Hyderabad over a SP's MPLS or IP core

It can be Ethernet, Frame Relay, ATM, HDLC, PPP, etc ...



Why is L2VPN needed?

- Allows SP to have a **single infrastructure** for both IP and legacy services

Migrate legacy ATM and Frame Relay services to MPLS/IP core without interruption to existing services

Provisioning new L2VPN services is **incremental (not from scratch)** in existing MPLS/IP core

Capital and Operational savings of converged IP/MPLS network

- SP provides new **point-2-point** or **point-2-multipoint** services
Customer can have their own routing, qos policies, security mechanisms, etc ...
- Based on IETF drafts that promote open architecture and vendor interoperability

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