

Vendor Perspectives on MPLS

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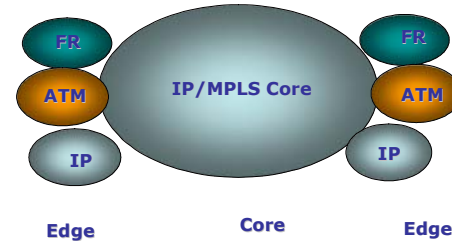
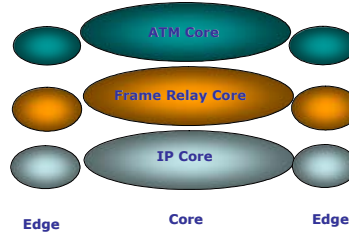
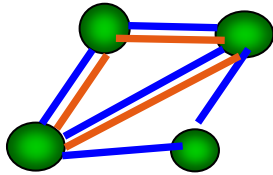
Evolution to the Reliable IP/MPLS Converged Core

Enterprise Focused

Best Effort Internet

Business-class Internet

Core Network Focus



Services

- Network Interconnection
- Multi-protocol
- Multi-Networks, Services
- Enterprise Focused

- IP Based Services
- Internet Services (Web, Email)
- Traffic Growth Explosion
- Multiple Networks for Multiple services

- Business-Critical Services (ATM, Frame, VPN)
- Voice and realtime services
- Multiple Services on a converged IP/MPLS core

Characteristics

- General Purpose
- Point-to-point
- Different technologies for different services
- Software Based Routers

- Reachability and Global Connectivity
- IP Purpose Built Routers
- Hardware Based Forwarding

- Chiaro's Focus**
- Highly Available Platforms for Continuous Operation
 - Fast Convergence
 - In-service upgrades
 - Stable Routing and Forwarding
 - Scalability (Data and Control)
 - QoS for real-time services

MPLS 2004

'94

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