



IP/MPLS Backbone Solution

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Leading mobile operators worldwide are realizing the exceptional benefits of using Cisco® IP Multiprotocol Label Switching (MPLS) technology in their backbone networks.

- The Cisco IP/MPLS solution helps mobile operators deploy and manage third-generation (3G) or 4G mobile data, voice, and video services cost-effectively by converging existing networks into one, increasing bandwidth efficiency and simplifying network architecture. Without Cisco IP/MPLS, newer data and multimedia services can be expensive and complex to deploy and manage across disparate networks. Cisco IP/MPLS also supports Third-Generation Partnership Project (3GPP) Release 4 architecture as operators migrate voice traffic onto an IP/MPLS core. As a cornerstone of the Cisco IP Next-Generation Network (NGN), the Cisco IP/MPLS solution offers carrier-class capabilities, high service quality, and industry-leading IP networking expertise.

Business Benefits:

- Reduced operating expenses through network convergence
- Phased IP transition while preserving investment in existing networks
- A building block of IP NGN to enable new services and grow the network
- Accelerated service introduction and differentiated service quality
- IP carrier-class availability, scalability, manageability, and quality of service
- Cisco IP leadership and world-class support

Mobile Network Architecture

