



Topics

- Review: Enterprise MPLS-Strategic or Reactive
- Enterprise MPLS Architecture
- Deployment Strategy
- Case Study: IP Telephony



Key Strategic Considerations

- 1) Financial benefit from "any-to-any" wide area network that uses "distance-independent" pricing
- 2) Enables virtualization of Data Centers by leveraging the inherent flexibility of MPLS Traffic Engineering
- 3) Enabling dynamic growth and agility to support future business services and applications











The Link Between Business Goals and Network Infrastructure

- Enterprise applications drive infrastructure
- Network Approach: Start application down vs. from the network up
 - What are the business objectives?
 - What applications/services accomplish the business objectives?
 - What is the priority of those applications/services to the business?
 - How will these applications/services perform on communications infrastructure



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Determine enterprise MPLS strategy 1) Understand the patterns for deployment of Applications and Services ✓ IP Telephony ✓ Real-time communications ✓ Business Partners/ASPs 2) Traffic Engineering? 3) Modeling 4) Testing 5) Do not underestimate complexity of current environment 6) Education ✓ Engineering Operations \checkmark Security \checkmark



