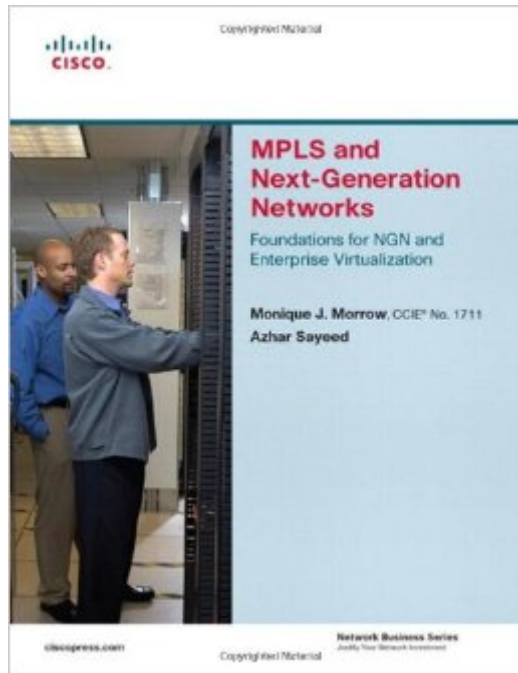# MPLS And Next-Generation Networks: Foundations For NGN And Enterprise Virtualization

Synopsis

Understand the business case for deploying MPLS-based services and solutions   Provides network managers and architects a precise MPLS primer Defines MPLS service problems and their associated solutions Includes ROI models for MPLS-based solutions Discusses pros and cons of various options for each MPLS service Network managers often question the value that MPLS brings to their business environment. This book provides them with a precise guide for evaluating the benefits of MPLS-based applications and solutions. The book guides the network manager through the business case for MPLS by exploring other technology alternatives, including their applications, benefits, and deficiencies. Understanding the service creation process as the basis for MPLS-based solutions is pivotal when describing the benefits that MPLS offers. Furthermore, the book explores MPLS technology and its components, providing an overview of the architecture necessary to reap the true advantages that MPLS brings to a service provider or enterprise network. These advantages include new revenue opportunities and a total cost of ownership reduction that positively impacts a company's bottom-line. ROI models and case study examples further confirm the business impact and help decision-makers create a blueprint for MPLS service creation. Specific aspects such as security, network management, advanced services and the future of the technology complete the book, helping decision makers assess MPLS as a candidate for implementation. In short,Â you canÂ use this comprehensive guide to understand and build a business case for the inclusion of MPLS inÂ your network.

Book Information

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Customer Reviews

The book appears to be a compilation of white paper drafts by different people - no clear purposes for solutions, features mis-presented for benefits, no clarity in arguments let alone logic behind, exact paragraphs appearing in several places even before I got to page 80, obvious grammatical errors all over that sometimes I couldn't even begin to guess what the authors were trying to say. This reminds me of one of those C- group papers in university put together in the last minute w/o much efforts or thoughts. Disappointed and suprised the book was written by Cisco people and published by Cisco press.

What is now known as MPLS (Multiprotocol Label Switching) began about ten years ago with the name 'tag switching' as a proposal from Cisco to provide a series of additional capabilities to the traditional internet data transmission protocol. The goal was to replace the earlier frame relay and ATM protocols with something simpler, faster, easier to implement while getting rid of some little used complexity.In the ensuing years MPLS has grown rapidly and appears to be the standard for the future. It is a data-carrying mechanism which emulates some properties of a circuit-switched network over a packet-switched network.This book is a general introduction to MPLS aimed at the CTO, IT manager, network managers, and service provider product managers. It first presents a business case for using MPLS, and then gives a technical case. After this (about the first quarter of the book) the book provides more detailed technical information about MPLS, its capabilities, and uses.All in all, this is an excellent start to a new and growing technology.

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