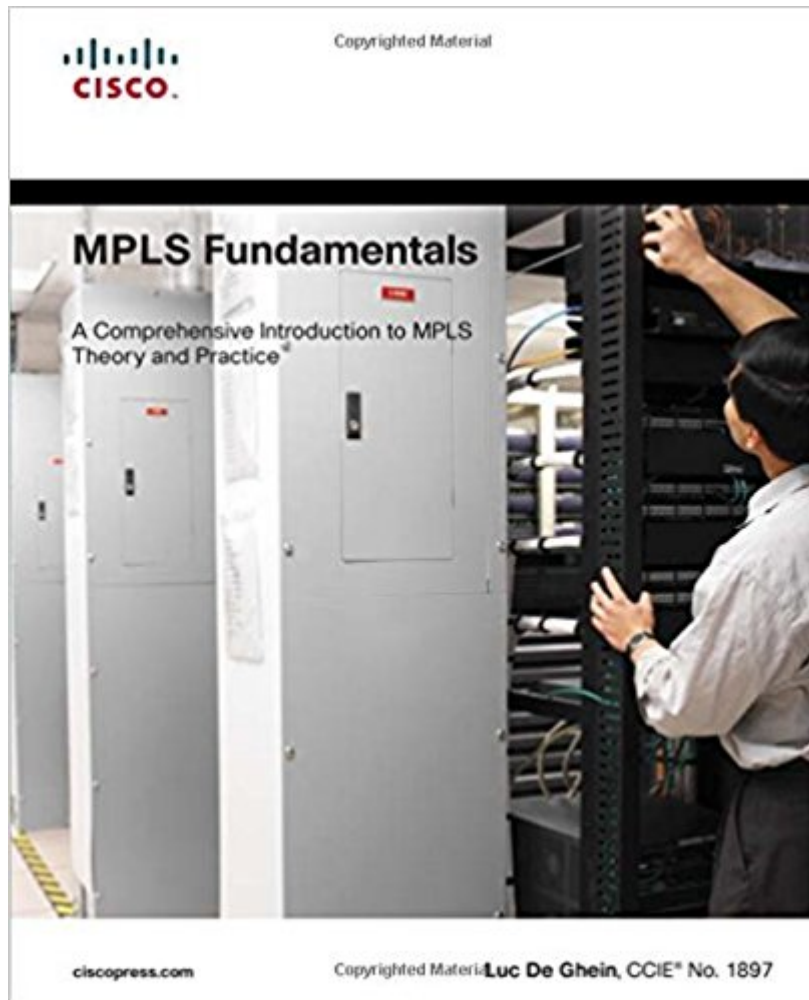


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# MPLS Fundamentals



## Synopsis

A comprehensive introduction to all facets of MPLS theory and practice. Helps networking professionals choose the suitable MPLS application and design for their network. Provides MPLS theory and relates to basic IOS configuration examples. The Fundamentals Series from Cisco Press launches the basis to readers for understanding the purpose, application, and management of technologies. MPLS has emerged as the new networking layer for service providers throughout the world. For many service providers and enterprises MPLS is a way of delivering new applications on their IP networks, while consolidating data and voice networks. MPLS has grown to be the new default network layer for service providers and is finding its way into enterprise networks as well. This book focuses on the building blocks of MPLS (architecture, forwarding packets, LDP, MPLS and QoS, CEF, etc.). This book also reviews the different MPLS applications (MPLS VPN, MPLS Traffic Engineering, Carrying IPv6 over MPLS, AToM, VPLS, MPLS OAM etc.). You will get a comprehensive overview of all the aspects of MPLS, including the building blocks, its applications, troubleshooting and a perspective on the future of MPLS.

## Book Information

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## Customer Reviews

This is a fairly exhaustive book on cisco MPLS implementation. The name "MPLS Fundamentals" gives an idea that this is a good place to start with, but unfortunately not. It starts at a basic level, but in no time dives in deep. Use this book only if you want to understand specific areas in depth and not for an overview. Also, if you have access to your own lab, you will find it much easier to follow

along.

As a CCIE instructor I recommend this book in many of my classes but still the main problem with the book is that the author has chosen to use a veeeery boring and lengthy language to explain even the simplest and most straightforward topics. I'd approve this kind of text for a CCNA book but when it comes to a CCIE level MPLS discussion it just takes more and more pages and minutes time until it actually gets a simple message through. This however might have been a great idea to make sure the reader remains thirsty on every single page, sadly the way this book has been developed prevents this from happening so you read and read and always that very word/sentence seems to remain far away until the student loses the lead. This particular issue does occur multiple times in different chapters. I don't blame the authors but certainly the technical reviewers and editors could have pruned things off a little bit to make sure readers get the most out of their time. But from a technical stand point this book covers almost all topics needed by at least CCIE routing and switching students. This also goes over many CCIE SP topics - pretty easy to understand for many especially beginners.

I have I.Pepelenjak's "MPLS and VPN Architectures" and L.Lakshman's "MPLS Configuration on Cisco IOS" for comparison, and I am glad to say that with "MPLS Fundamentals" there is at last a truly worthwhile book on the subject."MPLS and VPN Architectures" is confusing and incomplete but was the first book out there so gets pioneer bonus. "MPLS Configuration on Cisco IOS" is an extremely boring step-by-step listing of configurations without much conceptional overview. So Luc de Ghein's book compares very favourably to the two others.

This is a book where you are given not only an in depth what it is and how its implemented of the protocol but you are also given great insight as to the why its done this way. You are given all of this in a very readable format. I agree with another reviewer that this is an exhaustive text into the internals of MPLS. I love the level of detail it goes into.

MPLS has been one of those topics that has been in the back of my mind for some time but never required any attention. Only recently , upon contemplating either CCIE Routing and Switching or CCIP, did I think seriously about learning MPLS. Having researched the options, this book came up the best starting book for those unfamiliar with MPLS. The book has sufficient detail within to enable the keen engineer to understand and build all manner of MPLS designs. It isn't supposed to be a

complete collection of MPLS designs (Definitive MPLS Network Designs (paperback) (Networking Technology)) but is enough to get you going along MPLS and realize what a fantastic technology it is. I would recommend this book to anyone even slightly interested in MPLS and how it applies to the real world. Even if you won't have ISP aspirations or CCIE on your horizon, this is still a useful book to read even if just to understand how your WAN links work. Worth the time, seven thumbs up.

This book really helped me get a understanding of MPLS and how label switching works in theory and design. Designing MPLS on our backbone network w Cisco 3600 switches for PE/CE MPLS cloud. Chapter 3 MPLS VPN is worth every dollar you spent on this book alone. Read it several times. Want be disappointed with book. Thank you author.

I recently bought this book for having a physical material for studying MPLS because I was tired of reading on my computer. I haven't finished yet to read it but it's a good book because it includes everything about MPLS, even IPv6 over MPLS which is a must for me. Another reason I bought this book is because there're two books about MPLS but both are older than this, so I prefer the last one.

I purchased this book to get a basic over view of MPLS networks in preparations for the new CCIE R&S exam. I had no background on MPLS or Service provider networks. I read this title and by the end I was able to understand the basics and some small advanced topics. This book is great for the people that have little to no concept of MPLS, and I would recommend it for beginners. This book is not geared for the more advanced topics, so if you already have a strong MPLS back ground then this book may not be the best for you. This was a good read for me, and very easy to follow along and practice the configs if you have your own lab to practice with.

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