



Selecting MPLS VPN Services (Networking Technology)

By Chris Lewis, Steve Pickavance



Selecting MPLS VPN Services (Networking Technology) By Chris Lewis, Steve Pickavance

A guide to using and defining MPLS VPN services

- Analyze strengths and weaknesses of TDM and Layer 2 WAN services
- Understand the primary business and technical issues when evaluating IP/MPLS VPN offerings
- Describe the IP addressing, routing, load balancing, convergence, and services capabilities of the IP VPN
- Develop enterprise quality of service (QoS) policies and implementation guidelines
- Achieve scalable support for multicast services
- Learn the benefits and drawbacks of various security and encryption mechanisms
- Ensure proper use of services and plan for future growth with monitoring and reporting services
- Provide remote access, Internet access, and extranet connectivity to the VPN supported intranet
- Provide a clear and concise set of steps to plan and execute a network migration from existing ATM/Frame Relay/leased line networks to an IP VPN

IP/MPLS VPNs are compelling for many reasons. For enterprises, they enable right-sourcing of WAN services and yield generous operational cost savings. For service providers, they offer a higher level of service to customers and lower costs for service deployment.

Migration comes with challenges, however. Enterprises must understand key migration issues, what the realistic benefits are, and how to optimize new services. Providers must know what aspects of their services give value to enterprises and how they can provide the best value to customers.

Selecting MPLS VPN Services helps you analyze migration options, anticipate migration issues, and properly deploy IP/MPLS VPNs. Detailed configurations illustrate effective deployment while case studies present available migration options and walk you through the process of selecting the best option for your

network. Part I addresses the business case for moving to an IP/MPLS VPN network, with a chapter devoted to the business and technical issues you should review when evaluating IP/MPLS VPN offerings from major providers. Part II includes detailed deployment guidelines for the technologies used in the IP/MPLS VPN.

This book is part of the Networking Technology Series from Cisco Press®, which offers networking professionals valuable information for constructing efficient networks, understanding new technologies, and building successful careers.



[Download Selecting MPLS VPN Services \(Networking Technology ...pdf](#)



[Read Online Selecting MPLS VPN Services \(Networking Technolo ...pdf](#)

Selecting MPLS VPN Services (Networking Technology)

By Chris Lewis, Steve Pickavance

Selecting MPLS VPN Services (Networking Technology) By Chris Lewis, Steve Pickavance

A guide to using and defining MPLS VPN services

- Analyze strengths and weaknesses of TDM and Layer 2 WAN services
- Understand the primary business and technical issues when evaluating IP/MPLS VPN offerings
- Describe the IP addressing, routing, load balancing, convergence, and services capabilities of the IP VPN
- Develop enterprise quality of service (QoS) policies and implementation guidelines
- Achieve scalable support for multicast services
- Learn the benefits and drawbacks of various security and encryption mechanisms
- Ensure proper use of services and plan for future growth with monitoring and reporting services
- Provide remote access, Internet access, and extranet connectivity to the VPN supported intranet
- Provide a clear and concise set of steps to plan and execute a network migration from existing ATM/Frame Relay/leased line networks to an IP VPN

IP/MPLS VPNs are compelling for many reasons. For enterprises, they enable right-sourcing of WAN services and yield generous operational cost savings. For service providers, they offer a higher level of service to customers and lower costs for service deployment.

Migration comes with challenges, however. Enterprises must understand key migration issues, what the realistic benefits are, and how to optimize new services. Providers must know what aspects of their services give value to enterprises and how they can provide the best value to customers.

Selecting MPLS VPN Services helps you analyze migration options, anticipate migration issues, and properly deploy IP/MPLS VPNs. Detailed configurations illustrate effective deployment while case studies present available migration options and walk you through the process of selecting the best option for your network. Part I addresses the business case for moving to an IP/MPLS VPN network, with a chapter devoted to the business and technical issues you should review when evaluating IP/MPLS VPN offerings from major providers. Part II includes detailed deployment guidelines for the technologies used in the IP/MPLS VPN.

This book is part of the Networking Technology Series from Cisco Press®, which offers networking professionals valuable information for constructing efficient networks, understanding new technologies, and building successful careers.

Selecting MPLS VPN Services (Networking Technology) By Chris Lewis, Steve Pickavance

Bibliography

- Sales Rank: #5737795 in Books
- Brand: Brand: Cisco Press
- Published on: 2006-02-23
- Original language: English
- Number of items: 1

- Dimensions: 9.00" h x 1.10" w x 7.30" l, 1.60 pounds
- Binding: Paperback
- 456 pages



[**Download** Selecting MPLS VPN Services \(Networking Technology ...pdf](#)



[**Read Online** Selecting MPLS VPN Services \(Networking Technolo ...pdf](#)

Download and Read Free Online Selecting MPLS VPN Services (Networking Technology) By Chris Lewis, Steve Pickavance

Editorial Review

About the Author

Chris Lewis has more than 18 years of experience in networking—enterprises, service providers and Cisco Systems®. He is currently employed as a technical projects systems engineer in the Cisco Worldwide Service Provider Operations group.

Steve Pickavance has more than 14 years of experience in networking, working both with enterprises and with service providers. Steve spent six years in a variety of operations, engineering, and architecture roles at Cisco. He led the architecture team in Cisco IT EMEA for the MPLS VPN Next-Generation Network. He currently leads the Cisco EMEA Advisory Services Enterprise Architecture consulting practice. Steve now spends his time helping Cisco customers develop their Next Generation Infrastructure architectures.

Users Review

From reader reviews:

Nancy Sanchez:

This Selecting MPLS VPN Services (Networking Technology) tend to be reliable for you who want to be described as a successful person, why. The main reason of this Selecting MPLS VPN Services (Networking Technology) can be among the great books you must have is definitely giving you more than just simple reading food but feed a person with information that probably will shock your previous knowledge. This book is handy, you can bring it everywhere you go and whenever your conditions in e-book and printed versions. Beside that this Selecting MPLS VPN Services (Networking Technology) giving you an enormous of experience like rich vocabulary, giving you demo of critical thinking that we understand it useful in your day action. So , let's have it and revel in reading.

Marjorie Cook:

Reading can called brain hangout, why? Because while you are reading a book particularly book entitled Selecting MPLS VPN Services (Networking Technology) your head will drift away through every dimension, wandering in each aspect that maybe mysterious for but surely might be your mind friends. Imaging each word written in a e-book then become one contact form conclusion and explanation this maybe you never get previous to. The Selecting MPLS VPN Services (Networking Technology) giving you an additional experience more than blown away your head but also giving you useful details for your better life in this era. So now let us present to you the relaxing pattern here is your body and mind will probably be pleased when you are finished looking at it, like winning a game. Do you want to try this extraordinary investing spare time activity?

Lidia Mejia:

Reading a book being new life style in this year; every people loves to go through a book. When you go through a book you can get a great deal of benefit. When you read books, you can improve your knowledge, mainly because book has a lot of information in it. The information that you will get depend on what sorts of book that you have read. In order to get information about your study, you can read education books, but if you act like you want to entertain yourself you can read a fiction books, this sort of us novel, comics, and soon. The Selecting MPLS VPN Services (Networking Technology) provide you with a new experience in studying a book.

Clement Williams:

This Selecting MPLS VPN Services (Networking Technology) is fresh way for you who has interest to look for some information as it relief your hunger info. Getting deeper you into it getting knowledge more you know or you who still having little digest in reading this Selecting MPLS VPN Services (Networking Technology) can be the light food in your case because the information inside that book is easy to get through anyone. These books produce itself in the form which can be reachable by anyone, sure I mean in the e-book web form. People who think that in e-book form make them feel sleepy even dizzy this guide is the answer. So there is no in reading a publication especially this one. You can find what you are looking for. It should be here for you actually. So , don't miss it! Just read this e-book type for your better life in addition to knowledge.

**Download and Read Online Selecting MPLS VPN Services (Networking Technology) By Chris Lewis, Steve Pickavance
#7D8YBP1JL2H**

Read Selecting MPLS VPN Services (Networking Technology) By Chris Lewis, Steve Pickavance for online ebook

Selecting MPLS VPN Services (Networking Technology) By Chris Lewis, Steve Pickavance Free PDF d0wnl0ad, audio books, books to read, good books to read, cheap books, good books, online books, books online, book reviews epub, read books online, books to read online, online library, greatbooks to read, PDF best books to read, top books to read Selecting MPLS VPN Services (Networking Technology) By Chris Lewis, Steve Pickavance books to read online.

Online Selecting MPLS VPN Services (Networking Technology) By Chris Lewis, Steve Pickavance ebook PDF download

Selecting MPLS VPN Services (Networking Technology) By Chris Lewis, Steve Pickavance Doc

Selecting MPLS VPN Services (Networking Technology) By Chris Lewis, Steve Pickavance Mobipocket

Selecting MPLS VPN Services (Networking Technology) By Chris Lewis, Steve Pickavance EPub