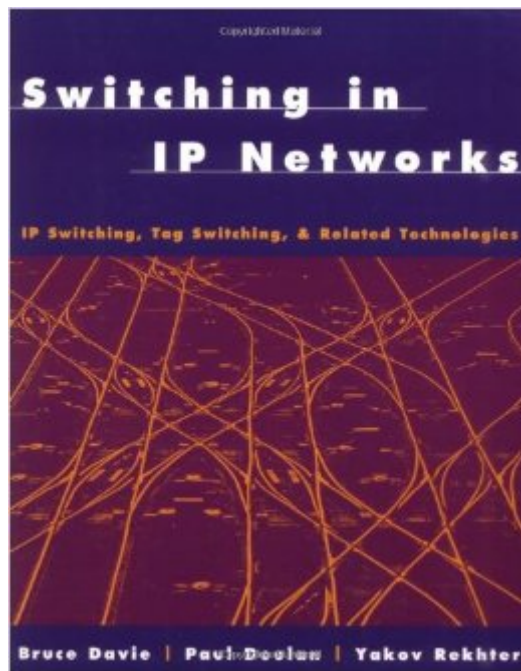


The book was found

# Switching In IP Networks: IP Switching, Tag Switching, And Related Technologies (Morgan Kaufmann Series In Networking)



## Synopsis

Label switching, an economical and efficient technique for message forwarding in IP networks, is fast becoming a widely deployed solution for improving performance, scalability, and functionality. Written by leading experts in the field, this guide explores the underlying technology of label switching and provides a detailed analysis and comparison of approaches developed by Ipsilon, Cisco, Toshiba, and IBM. It also compares label switching with conventional routing, culminating in a discussion of the Multiprotocol Label Switching (MPLS) standard now being developed by the Internet Engineering Task Force (IETF). This book-the result of a rigorous review process by key designers-is an invaluable resource to network engineers and designers for evaluating the use of label switching in their own networks. \* Explains the benefits and limitations of label switching technology\* Compares performance, scalability, and robustness of IP Switching, Tag Switching, Cell Switching Router (CSR), and Aggregate Router-based IP Switching (ARIS)\* Reveals how label switching simplifies IP over ATM integration problems\* Presents the latest snapshot of the MPLS standard, which incorporates the strengths of several of the approaches discussed

## Book Information

Series: Morgan Kaufmann Series in Networking

Paperback: 256 pages

Publisher: Morgan Kaufmann; 1 edition (May 15, 1998)

Language: English

ISBN-10: 1558605053

ISBN-13: 978-1558605053

Product Dimensions: 9.3 x 7.5 x 0.8 inches

Shipping Weight: 1.2 pounds

Average Customer Review: 4.8 out of 5 stars [See all reviews](#) (5 customer reviews)

Best Sellers Rank: #3,885,458 in Books (See Top 100 in Books) #51 in [Books > Computers & Technology > Networking & Cloud Computing > Networks, Protocols & APIs > WAN](#) #64 in [Books > Computers & Technology > Networking & Cloud Computing > Networks, Protocols & APIs > ISDN](#) #2604 in [Books > Computers & Technology > Networking & Cloud Computing > Networks, Protocols & APIs > Networks](#)

## Customer Reviews

Outstanding descriptions and comparisons of various switching technology models. Presents the nuts and bolt of switching and what they mean in terms of performance, scalability, etc. Also, some

outstanding references. Clear writing style. Tough concepts sometimes seem simplistic, until incorporated into the models. Must read.

This book was the first in series on the MPLS topic by Yakov and Davie, the two leading experts in the subject area. At the time this book was published, people didn't even know the term MPLS as opposed to now when it has become a latest acronym to be exploited by marketing parasites. This book gives an excellent description of different label switching techniques implemented by different vendors at the time, such as IBM, Toshiba, Ipsilon and cisco. This breaks down the chapters on vendor by vendor basis, explains their implementation and then at the end compares all the different approaches. Even though Yakov and Davie are both from cisco, you can't tell it from reading the book because they have presented the implementations in total impartiality and fairness and only judging the implementations on its technical merits. After reading the book, you'd understand fundamentals like FEC, label stack encoding, LDP and various techniques/signaling to carry label switching information. If you want to buy a book on MPLS today, you should go for the latest edition of this book, titled, 'MPLS technology and applications'.

There is no doubt about this great written book. The reason I only gave this book 4 stars is that I bought the book of "MPLS : Technology and Applications " from the same authors before this one. The coverage and contents between those two books are quite the same - Douh !. My suggestion is that just buy the "MPLS" one if you do not care about CSR and ARIS stuffs too much.

It is one of those few books that explains the concepts of label switching in a lucid style without confounding the readers. A must read.

This book delivers. Outstanding discription of concepts and very good reference sites.

[Download to continue reading...](#)

Switching in IP Networks: IP Switching, Tag Switching, and Related Technologies (Morgan Kaufmann Series in Networking) Routing, Flow, and Capacity Design in Communication and Computer Networks (The Morgan Kaufmann Series in Networking) High-Performance Communication Networks (The Morgan Kaufmann Series in Networking) MPLS: Technology and Applications (Morgan Kaufmann Series in Networking) TCP/IP Clearly Explained, Fourth Edition (The Morgan Kaufmann Series in Networking) Visual Thinking for Design (Morgan Kaufmann Series in Interactive Technologies) Designing and Deploying 802.11 Wireless Networks: A Practical Guide

to Implementing 802.11n and 802.11ac Wireless Networks For Enterprise-Based Applications (2nd Edition) (Networking Technology) Computer Organization and Design, Fourth Edition: The Hardware/Software Interface (The Morgan Kaufmann Series in Computer Architecture and Design) Computer Organization and Design, Third Edition: The Hardware/Software Interface, Third Edition (The Morgan Kaufmann Series in Computer Architecture and Design) Computer Organization and Design: The Hardware Software Interface: ARM Edition (The Morgan Kaufmann Series in Computer Architecture and Design) Transactional Information Systems: Theory, Algorithms, and the Practice of Concurrency Control and Recovery (The Morgan Kaufmann Series in Data Management Systems) ARM System Developer's Guide: Designing and Optimizing System Software (The Morgan Kaufmann Series in Computer Architecture and Design) Foundations of Analog and Digital Electronic Circuits (The Morgan Kaufmann Series in Computer Architecture and Design) Digital Watermarking (The Morgan Kaufmann Series in Multimedia Information and Systems) Computer Architecture, Fifth Edition: A Quantitative Approach (The Morgan Kaufmann Series in Computer Architecture and Design) Computer Architecture: A Quantitative Approach (The Morgan Kaufmann Series in Computer Architecture and Design) Computers as Components, Third Edition: Principles of Embedded Computing System Design (The Morgan Kaufmann Series in Computer Architecture and Design) See MIPS Run, Second Edition (The Morgan Kaufmann Series in Computer Architecture and Design) Learning Processing, Second Edition: A Beginner's Guide to Programming Images, Animation, and Interaction (The Morgan Kaufmann Series in Computer Graphics) Computers as Components: Principles of Embedded Computing System Design (The Morgan Kaufmann Series in Computer Architecture and Design)

[Dmca](#)