Cisco LAN Switching (CCIE Professional Development series) by Kevin Hamilton

A Great Resource On A Little Understood Subject.

The most complete guide to Cisco Catalyst(r) switch network design, operation, and configuration

Master key foundation topics such as high-speed LAN technologies, LAN segmentation, bridging, the Catalyst command-line environment, and VLANs
Improve the performance of your campus network by utilizing effective Cisco Catalyst design, configuration, and troubleshooting techniques
Benefit from the most comprehensive coverage of Spanning-Tree Protocol, including invaluable information on troubleshooting common Spanning Tree problems
Master trunking concepts and applications, including ISL, 802.1Q, LANE, and MPOA
Understand when and how to utilize Layer 3 switching techniques for maximum effect
Understand Layer 2 and Layer 3 switching configuration with the Catalyst 6000 family,
including coverage of the powerful MSFC Native IOS ModeCisco LAN Switchingprovides the most comprehensive coverage of the best methods for designing, utilizing, and deploying LAN switching devices and technologies in a modern campus network. Divided into six parts, this book takes you beyond basic switching concepts by providing an array of proven design models, practical implementation solutions, and troubleshooting strategies. Part I discusses important foundation issues that provide a context for the rest of the book, including Fast and Gigabit Ethernet, routing versus switching, the types of Layer 2 switching, the Catalyst command-line environment, and VLANs. Part II presents the most detailed discussion of Spanning-Tree Protocol in print, including common problems, troubleshooting, and enhancements, such as PortFast, UplinkFast, BackboneFast, and PVST+. Part III examines the critical issue of trunk connections, the links used to carry multiple VLANs through campus networks. Entire chapters are dedicated to LANE and MPOA. Part IV addresses advanced features, such as Layer 3 switching, VTP, and CGMP and IGMP. Part V covers real-world campus design and implementation issues, allowing you to benefit from the collective advice of many LAN switching experts. Part VI discusses issues specific to the Catalyst 6000/6500 family of switches, including the powerful Native IOS Mode of Layer 3 switching.

Several features in Cisco LAN Switching are designed to reinforce concepts covered in the book and to help you prepare for the CCIE exam. In addition to the practical discussion of advanced switching issues, this book also contains case studies that highlight real-world design, implementation, and management issues, as well as chapter-ending review questions and exercises.

This book is part of the Cisco CCIE Professional Development Series from Cisco Press, which offers expert-level instruction on network design, deployment, and support methodologies to help networking professionals manage complex networks and prepare for CCIE exams.

**Personal Review: Cisco LAN Switching (CCIE Professional Development series) by Kevin Hamilton**

CiscoPress's "Cisco LAN Switching" by Clark and Hamilton is one of the classics of Networking. For years, this book has been considered the "Bible" or the "Source" for LAN switching topologies.

Having written that, I feel that LAN Switching had covered a topic to a degree where it wasn't necessary to write another book on the same subject. Most Cisco Networkers live at Layer 3, and moving down to Layer 2 (and, in particular) STP is both a mystery and, perhaps, beneath them (both literally and figuratively - on the OSI stack). For a lot of people, Layer 2 is plug-n-play (dangerous indeed!). As Cisco's main switching workhorses (6500s) increase in functionality - the lines between layer 2
and layer 3 start to get hazy. But fear not - the layers are still distinct! LAN Switching does a superb job at dissecting the vagaries of STP - along with discussing VTP and trunking.

For 99% of people requiring LAN skills (both CCIE candidates and networkers), this will be the resource to put on their bookshelf. And "Cisco LAN Switching" by Clark and Hamilton will fill this role nicely for them.

I give this book 5 pings out of 5:
!!!!!

For More 5 Star Customer Reviews and Lowest Price:
Cisco LAN Switching (CCIE Professional Development series) by Kevin Hamilton 5 Star Customer Reviews and Lowest Price!