VPNs: A Beginner's Guide

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A comprehensive introduction to VPNs and networking basics, this book provides readers with a solid foundation of networking basics and the understanding necessary for learning the complexities of the VPN technology that follows. It takes the reader through the actual steps involved in provisioning the hardware, software and set-up with the provider of services for Internet access and communications carriers, thus leading to a comprehensive understanding of all VPN protocols. There is also detailed information about securing VPNs, including information on intrusion detection. Readers gain an understanding of security, encryption, encapsulation, key management and intrusion detection systems, all necessary for a secure network. Networking blueprints for 4 different types of VPNs, including IPSec and PPPT are also included.

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Editorial Review

From the Back Cover
Design and implement a virtual private network from start to finish

Take advantage of the most cost-effective and secure method for connecting branch offices and enabling remote access using "VPNs: A Beginner's Guide. This instructive guide shows you how design and implement a virtual private network from start to finish. Learn everything you need to know about VPNs beginning with networking fundamentals and layering principles to VPN protocols and security methods. Get details on the latest in tunneling technologies, including point-to-point tunneling protocol (PPTP) and layer two tunneling protocol (L2TP), and find out how to prevent hacker attacks. Learn about the latest and most advanced VPNs, such as IP Overlay VPNs and MPLS. Eight pages of blueprints depicting various types of VPNs help illustrate the concepts you've just read about. If you want a solid introduction to the inner workings of virtual private networks, this is the ideal book for you.

Get an overview of networking basics--including the OSI model, LANs, WANS, and TCP

Learn all about security components--policies, concepts, and architectures

Discover ways to filter out malicious information, and prevent threats and intrusions

Understand how VPNs relate to both public and private networks

Know the different types of tunneling methods and where they are usually implemented

Get details on the various VPN protocols--GRE, PPTP, L2F, and L2TP, and IPSec

Identify the components that define QoS--delay, bandwidth, jitter, and reliability

Preview the future of VPNs and understand MPLS, IP over ATM, tag switching, and more

About the Author
John Mairs, CCNA, CCDA,MCSE MCP+I (San Francisco, CA) has been a network administrator and security systems consultant for more than 14 years. John is currently a systems Engineer for GE Capital Information Technology Services where he handles the global enterprise networks and networking security for a Fortune 500 Company. He is a published author and contributed six chapters to Cisco Router Handbook.

Users Review

From reader reviews:

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