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	Nota di contenuto	Microsoft Windows Networking Essentials; Acknowledgments; About the Author; Contents; Introduction; Chapter 1: Introduction to Networking; Comparing Logical and Physical Networks; Networking Home Computers; Networking Small Offices and Home Offices; Networking Large Offices; Networking Enterprises; Understanding Standards Organizations; The Essentials and Beyond; Chapter 2: Overview of Networking Components; Comparing Unicast, Broadcast, and Multicast Traffic; Understanding Network Hardware; Exploring Protocols and Services; Understanding Basic Topologies; The Essentials and Beyond
		Chapter 3: Understanding the OSI ModelUnderstanding the OSI Model; Understanding the TCP/IP Model; Mapping Devices on the OSI and TCP Models; Mapping Protocols on the OSI and TCP/IP Models; The Essentials and Beyond; Chapter 4: Core TCP/IP Protocols; Understanding TCP and UDP; Exploring Common Protocols; Understanding Ports; The Essentials and Beyond; Chapter 5: Exploring IPv4; Exploring the Components of an IPv4 Address; Exploring an IPv4 Address in Binary; Subnetting IPv4 Addresses; Comparing Manual and Automatic Assignment of IPv4 Addresses; The Essentials and Beyond

Chapter 6: Exploring IPv6Exploring IPv6 Addresses; Exploring the Components of an IPv6 Address; Understanding the Dual IP Stack; Comparing Manual and Automatic Assignment of IPv6; The Essentials and Beyond; Chapter 7: Connecting Computers to a Network; Identifying Potential Problems with Connectivity; Exploring Cable Types and Their Characteristics; The Essentials and Beyond; Chapter 8: Networking Computers with Switches; Connecting Multiple Computers; Understanding Physical Ports; Comparing Hubs and Switches; Comparing Managed and Unmanaged Switches; Exploring Switch Speeds

Understanding Security OptionsThe Essentials and Beyond; Chapter 9: Connecting Networks with Routers; Connecting Multiple Networks; Routing Traffic on a Network; Identifying Transmission Speeds; Routing Software in Windows Server 2008; Understanding Other Routing Protocols; The Essentials and Beyond; Chapter 10: Resolving Names to IP Addresses; Exploring Types of Names Used in Networks; Exploring Types of Name Resolution; Identifying the Steps in Name Resolution; The Essentials and Beyond; Chapter 11: Understanding Network Security Zones; Understanding Risks on the Internet

Exploring an IntranetUnderstanding Firewalls; Identifying a Perimeter Network; Understanding Extranets; The Essentials and Beyond; Chapter 12: Understanding Wireless Networking; Exploring Basic Wireless Components; Comparing Networking Standards and Characteristics; Comparing Network Security Methods; Using Wireless Networks; Understanding Point-to-Point Wireless; The Essentials and Beyond; Chapter 13: Understanding Internet Access Methods and Wide Area Networks; Comparing Connectivity Methods Used in Homes and SOHOs; Comparing Connectivity Methods in Enterprises

Exploring Remote Access Services

Sommario/riassunto	"This full-color book covers fundamental networking concepts and skills for individuals brand new to IT. Taking a straightforward and direct approach, Networking Essentials provides readers with a solid foundational knowledge of networking topics. Each chapter begins with a list of topic areas that will be discussed, followed by clear and concise discussion of the core networking concepts and skills necessary for the reader to gain a strong understanding of the chapter topic areas. The chapters will conclude with review questions and suggested labs, so the reader can measure their understanding of the chapter. Each chapter will include suggested hands-on labs covering Windows Server-based network management tools, DNS, TCP/IP, the name resolution process, and network protocols and topologies. In addition, it will cover the topics one needs to know for the MTA 98-366 exam, Networking Fundamentals. Topics covered include:. Introduction to Networking and Networking Components. Overview of Networking Components. Connecting Computers to a Network. Networking Computer with Switches. Connecting Networks with Routers"--