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Nota di contenuto	CCNA: Cisco Certified Network Associate Study Guide, 5th Edition; Front matter; Acknowledgments; Contents at a Glance; Contents; Introduction; Assessment Test; Answers to Assessment Test; Chapter 1: Internetworking; Internetworking Basics; Internetworking Models; The Layered Approach; Advantages of Reference Models; The OSI Reference Model; The Application Layer; The Presentation Layer; The Session Layer; The Transport Layer; The Network Layer; The Data Link Layer; The Physical Layer; Ethernet Networking; Half- and Full-Duplex Ethernet; Ethernet at the Data Link Layer Ethernet at the Physical Layer Ethernet Cabling; Straight-Through Cable; Crossover Cable; Rolled Cable; Wireless Networking; Data Encapsulation; The Cisco Three-Layer Hierarchical Model; The Core Layer; The Distribution Layer; The Access Layer; Summary; Exam Essentials; Written Lab 1; Written Lab 1.1: OSI Questions; Written Lab 1.2: Defining the OSI Layers and Devices; Written Lab 1.3: Identifying Collision and Broadcast Domains; Review Questions; Answers to Review Questions; Answers to Written Lab 1.1; Answer to Written Lab 1.2; Answers to Written Lab 1.3; Chapter 2: Internet Protocols TCP/IP and the DoD ModelThe Process/Application Layer Protocols; The

Host-to-Host Layer Protocols; The Internet Layer Protocols; Binary to Decimal and Hexadecimal Conversion; IP Addressing; IP Terminology; The Hierarchical IP Addressing Scheme; Private IP Addresses; Broadcast Addresses; Introduction to Network Address Translation (NAT); Summary; Exam Essentials; Written Lab 2; Review Questions; Answers to Review Questions; Answers to Written Lab 2; Chapter 3: IP Subnetting and Variable Length Subnet Masks (VLSMs); Subnetting Basics; IP Subnet-Zero; How to Create Subnets; Subnet Masks Classless Inter-Domain Routing (CIDR)Subnetting Class C Addresses; The Binary Method: Subnetting a Class C Address; The Fast Way: Subnetting a Class C Address; Subnetting Class B Addresses; Subnetting Class A Addresses; Variable Length Subnet Masks (VLSMs); VLSM Design; Implementing VLSM Networks; Summarization; Troubleshooting IP Addressing; Determining IP Address Problems; Summary; Exam Essentials; Written Lab 3; Review Questions; Answers to Review Questions; Answers to Written Lab 3; Chapter 4: Introduction to the Cisco IOS; The Cisco Router User Interface; Cisco Router IOS Connecting to a Cisco RouterBringing Up a Router; Setup Mode; Command-Line Interface; Logging into the Router; Overview of Router Modes; CLI Prompts; Editing and Help Features; Gathering Basic Routing Information; Router and Switch Administrative Functions; Hostnames; Banners; Setting Passwords; Encrypting Your Passwords; Descriptions; Router Interfaces; Bringing Up an Interface; Configuring an IP Address on an Interface; Serial Interface Commands; Viewing, Saving, and Erasing Configurations; Verifying Your Configuration; Summary; Exam Essentials; Written Lab 4; Hands-on Labs Hands-on Lab 4.1: Logging into a Router

Sommario/riassunto

Here's the book you need to prepare for Cisco's CCNA exam, 640-801. This Study Guide was developed to meet the exacting requirements of today's Cisco certification candidates. In addition to the engaging and accessible instructional approach that has earned author Todd Lammler the "Best Study Guide Author" award in CertCities Readers' Choice Awards for two consecutive years, this updated fifth edition provides: In-depth coverage of every CCNA exam objectiveExpanded IP addressing and subnetting coverageMore detailed information on EIGRP and OSPFLeading-edge exa
