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Nota di contenuto	Contents; Introduction; Cisco's Network Certifications; What Does This Book Cover?; What's Available Online?; How to Use This Book; Where Do You Take the Exams?; Assessment Test; Answers to Assessment Test; Chapter 1: Internetworking; Internetworking Basics; Internetworking Models; The OSI Reference Model; Summary; Exam Essentials; Written Labs; Review Questions; Chapter 2: Ethernet Networking and Data Encapsulation; Ethernet Networks in Review; Ethernet Cabling; Data Encapsulation; The Cisco Three-Layer Hierarchical Model; Summary; Exam Essentials; Written Labs; Review Questions Chapter 3: Introduction to TCP/IPIntroducing TCP/IP; TCP/IP and the DoD Model; IP Addressing; IPv4 Address Types; Summary; Exam Essentials; Written Labs; Review Questions; Chapter 4: Easy Subnetting; Subnetting Basics; Summary; Exam Essentials; Written Labs; Review Questions; Chapter 5: VLSMs, Summarization, and Troubleshooting TCP/IP; Variable Length Subnet Masks (VLSMs); Summarization; Troubleshooting IP Addressing; Summary; Exam Essentials; Written Lab 5; Review Questions; Chapter 6: Cisco's Internetworking Operating System (IOS); The IOS User Interface; Command-Line Interface (CLI) Administrative ConfigurationsRouter and Switch Interfaces; Viewing, Saving, and Erasing Configurations; Summary; Exam Essentials; Written Lab 6; Hands-on Labs; Review Questions; Chapter 7: Managing a Cisco Internetwork; The Internal Components of a Cisco Router and Switch;

Backing Up and Restoring the Cisco Configuration; Configuring DHCP; Network Time Protocol (NTP); Using Cisco Discovery Protocol (CDP); Using Telnet; Resolving Hostnames; Checking Network Connectivity and Troubleshooting; Summary; Exam Essentials; Written Lab 7; Hands-on Labs; Review Questions; Chapter 8: IP Routing Routing BasicsThe IP Routing Process; Configuring IP Routing; Configuring IP Routing in Our Network; Dynamic Routing; Routing Information Protocol (RIP); Summary; Exam Essentials; Written Lab 8; Hands-on Labs; Review Questions; Chapter 9: Open Shortest Path First (OSPF); Open Shortest Path First (OSPF) Basics; Configuring OSPF; OSPF and Loopback Interfaces; Verifying OSPF Configuration; Summary; Exam Essentials; Written Lab 9; Hands-on Labs; Review Questions; Chapter 10: Layer 2 Switching; Switching Services; Configuring Catalyst Switches; Summary; Exam Essentials; Written Lab 10 Hands-on LabsReview Questions; Chapter 11: VLANs and InterVLAN Routing; VLAN Basics; Identifying VLANs; Routing between VLANs; Configuring VLANs; Summary; Exam Essentials; Written Lab 11; Hands-on Labs; Review Questions; Chapter 12: Security; Perimeter, Firewall, and Internal Routers; Introduction to Access Lists; Standard Access Lists; Extended Access Lists; Monitoring Access Lists; Summary; Exam Essentials; Written Lab 12; Hands-on Labs; Review Questions; Chapter 13: Network Address Translation (NAT); When Do We Use NAT?; Types of Network Address Translation; NAT Names; How NAT Works Testing and Troubleshooting NAT

Sommario/riassunto

The latest offering from Cisco Expert Todd Lammler for the New CCENT Certification Written by industry expert and Cisco networking guru, Todd Lammler, CCENT Study Guide improves on the popular Sybex Study Guide approach by providing 100 percent coverage of the ICND1 (#100-101) exam objectives. The book contains detailed information and examples on crucial Cisco networking topics, and provides practical examples and insights drawn from Todd's almost 30 years of real-world experience. You'll also have access to dozens of hands-on labs to get the necessary experience needed to pass
