

1. Record Nr.	UNINA9910784859803321
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Titolo	CCENT Cisco certified entry networking technician Study guide [[electronic resource] /] / Todd Lammle
Pubbl/distr/stampa	Indianapolis, Ind., : Wiley, c2008
ISBN	1-281-28550-1 9786611285500 0-470-29349-7
Edizione	[1st edition]
Descrizione fisica	1 online resource (650 p.)
Disciplina	004.6 004.6076
Soggetti	Computer networks - Examinations Electronic data processing personnel - Certification
Lingua di pubblicazione	Inglese
Formato	Materiale a stampa
Livello bibliografico	Monografia
Note generali	Includes index.
Nota di contenuto	CCENT: Cisco Certified Entry Networking Technician, Study Guide; Acknowledgments; About the Author; Contents at a Glance; Contents; Introduction; Assessment Test; Answers to Assessment Test; Chapter 1: Internetworking; Internetworking Basics; Internetworking Models; The OSI Reference Model; Ethernet Networking; Ethernet Cabling; Data Encapsulation; The Cisco Three-Layer Hierarchical Model; Summary; Exam Essentials; Written Lab 1; Review Questions; Answers to Review Questions; Answers to Written Lab 1; Chapter 2: Internet Protocols; TCP/IP and the DoD Model; IP Addressing; Broadcast Addresses SummaryExam Essentials; Written Lab 2; Review Questions; Answers to Review Questions; Answers to Written Lab 2; Chapter 3: IP Subnetting, Variable Length Subnet Masks (VLSMs), Troubleshooting IP, and Introduction to NAT; Subnetting Basics; Variable Length Subnet Masks (VLSMs); Troubleshooting IP Addressing; Introduction to Network Address Translation (NAT); Types of Network Address Translation; NAT Names; How NAT Works; Summary; Exam Essentials; Written Labs 3; Review Questions; Answers to Review Questions; Answers to Written Lab 3.1; Answers to Written Lab 3.2; Answers to Written Lab 3.3 Chapter 4: Introduction to the Cisco IOS and SDMThe IOS User

Interface; Command-Line Interface (CLI); Router and Switch Administrative Configurations; Router Interfaces; Viewing, Saving, and Erasing Configurations; Cisco's Security Device Manager (SDM); Summary; Exam Essentials; Written Lab 4; Hands-on Labs; Review Questions; Answers to Review Questions; Answers to Written Lab 4; Chapter 5: Managing a Cisco Internetwork; The Internal Components of a Cisco Router; The Router Boot Sequence; Managing Configuration Register; Backing Up and Restoring the Cisco IOS Backing Up and Restoring the Cisco Configuration Using Cisco Discovery Protocol (CDP); Using Telnet; Resolving Hostnames; Checking Network Connectivity and Troubleshooting; Summary; Exam Essentials; Written Lab 5; Hands-on Labs; Review Questions; Answers to Review Questions; Answers to Written Lab 5; Chapter 6: IP Routing; Routing Basics; The IP Routing Process; Configuring IP Routing in Our Network; Dynamic Routing; Distance-Vector Routing Protocols; Routing Information Protocol (RIP); Interior Gateway Routing Protocol (IGRP); Verifying Your Configurations; Summary; Exam Essentials Written Lab 6 Hands-on Labs; Review Questions; Answers to Review Questions; Answers to Written Lab 6; Chapter 7: Layer 2 Switching; Before Layer 2 Switching; Switching Services; Spanning Tree Protocol (STP); LAN Switch Types; Summary; Exam Essentials; Written Lab 7; Review Questions; Answers to Review Questions; Answers to Written Lab 7; Chapter 8: Wireless Technologies; Introducing Wireless Technology; The 802.11 Standards; Basic Service Sets; Wireless Security; Summary; Exam Essentials; Written Lab 8; Review Questions; Answers to Review Questions; Answers to Written Lab 8 Chapter 9: Security

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## Sommario/riassunto

Start your preparation for Cisco's new CCENT entry-level networking certification, your entry point into Cisco's popular CCNA certification track. This comprehensive study guide from leading Cisco authority Todd Lammle thoroughly prepares you for the Interconnecting Cisco Networking Devices, Part 1 exam (640-822) and the start of a career, with pages of exam essentials, real-world scenarios, and hands-on exercises. Topics include the operation of data networks, how to implement both switched and routed networks, and much more. For Instructors: Teaching supplements are available fo

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