1.	Record Nr.	UNINA9910784997403321
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	Titolo	CCNA [[electronic resource]] : Cisco Certified Network Associate Fast Pass
	Pubbl/distr/stampa	Chichester, : Wiley, 2008
	ISBN	1-281-10046-3
		9786611100469
		0-470-25847-0
	Edizione	[3rd ed.]
	Descrizione fisica	1 online resource (506 p.)
	Disciplina	004.6
		004.6076
	Soggetti	Computer networks - Examinations
		Electronic data processing personnel - Certification
		Electronic data processing personnel
		Engineering & Applied Sciences
		Computer Science
	Lingua di pubblicazione	Inglese
	Formato	Materiale a stampa
	Livello bibliografico	Monografia
	Note generali	Description based upon print version of record.
	Nota di contenuto	CCNA: Cisco Certified Network Associate Fast Pass, Third Edition; Acknowledgments; About the Author; Contents at a Glance; Contents; Introduction; Chapter 1: Describe how a network works; 1.1 Describe the purpose and functions of various network devices; 1.2 Select the components required to meet a network specification; 1.3 Use the OSI and TCP/IP models and their associated protocols to explain how data flows in a network; 1.4 Describe common networked applications including web applications; 1.5 Describe the purpose and basic operation of the protocols in the OSI and TCP models 1.6 Describe the impact of applications (Voice over IP and Video over IP) on a network1.7 Interpret network diagrams; 1.8 Determine the path between two hosts across a network; 1.9 Describe the components required for network and Internet communications; 1.10 Identify and correct common network problems at layers 1, 2, 3, and 7 using a layered model approach; 1.11 Differentiate between LAN/WAN operation and features; Review Questions; Answers to Review

Questions; Chapter 2: Configure, verify, and troubleshoot a switch with VLANs and interswitch communications
2.1 Select the appropriate media, cables, ports, and connectors to connect switches to other network devices and hosts2.2 Explain the technology and media access control method for Ethernet networks; 2.3 Explain network segmentation and basic traffic management concepts; 2.4 Explain basic switching concepts and the operation of Cisco switches; 2.5 Perform and verify initial switch configuration tasks, including remote access management; 2.6 Verify network status and switch operation using basic utilities (including: ping, traceroute, Telnet, SSH, arp, ipconfig), SHOW & DEBUG commands
2.7 Identify, prescribe, and resolve common switched network media issues, configuration issues, auto negotiation, and switch hardware failures2.8 Describe enhanced switching technologies (including: VTP, RSTP, VLAN, PVSTP, 802.1q); 2.9 Describe how VLANs create logically separate networks and the need for routing between them; 2.10 Configure, verify, and troubleshoot VLANs; 2.11 Configure, verify, and troubleshoot trunking on Cisco switches; 2.12 Configure, verify, and troubleshoot interVLAN routing; 2.13 Configure, verify, and troubleshoot VTP
2.14 Configure, verify, and troubleshoot RSTP operation2.15 Interpret the output of various show and debug commands to verify the operational status of a Cisco switched network; 2.16 Implement basic switch security (including: port security, trunk access, management vlan other than vlan1, etc.); Review Questions; Answers to Review Questions; Chapter 3: Implement an IP addressing scheme and IP Services to meet network requirements in a medium-size Enterprise branch office network.; 3.1 Describe the operation and benefits of using private and public IP addressing
3.2 Explain the operation and benefits of using DHCP and DNS

Sommario/riassunto	Organized by exam objectives, this is a focused, concise review guide that works hand-in-hand with any learning tool, including the Sybex CCNA: Cisco Certified Network Associate Study Guide, 6th and Deluxe editions. The book will consist of four high-level chapters, each mapping to the four main Domains of the exam skill-set. The book will drill down into the specifics of the exam, covering the following: Designing Cisco internetworksDeveloping an access listEvaluating TCP/IP communicationConfiguring routers and switchesConfiguring IP addresses, subnet masks, and gatew