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	Nota di contenuto	Updated material reflects the changes in technology and includes such things as: the new specs for 10 Gigabit Ethernet; the concept of a public key infrastructure (PKI); the emerging home networking infrastructure standards; the results of the new advanced encryption standard (AES) that will replace DES. -- Increased coverage of selected topics within current chapters includes descriptions of specific flow control protocols in Chapter 5 (e.g., Stop-and-Wait, Sliding Window); -- coverage of UDP and TCP in Chapter 3; coverage of DSL service in Chapter 15; description of the RSA algorithm in Chapter 16; larger glossary. -- New chapters include voice and data wireless networking, multimedia networking, and network convergence -- New appendix on X.25.5. -- Chapter Titles: Fundamental Concepts of Computer Networks and Networking; Network Topologies, Architectures, and the OSI Model; The Internet and TCP/IP; Physical Layer Concepts; Data Link Layer Concepts and IEEE Standards; Network Hardware Components (Layers 1 and 2); WANs, Internetworking, and Network Layer Concepts and Components; Ethernet, Ethernet, and More Ethernet; Token Ring; Fiber Distributed Data Interface (FDDI); Integrated Services Digital Network (ISDN); Frame Relay; Switched Multimegabit Data Service (SMDS); Asynchronous Transfer Mode (ATM); Dialup and Home Networking; Network Security Issues; Network Convergence; Wireless Networking.

Sommario/riassunto

Networking Explained 2E offers a comprehensive overview of computer networking, with new chapters and sections to cover the latest developments in the field, including voice and data wireless networking, multimedia networking, and network convergence. Gallo and Hancock provide a sophisticated introduction to their subject in a clear, readable format. These two top networking experts answer hundreds of questions about hardware, software, standards, and future directions in network technology. Wireless networks Convergence of voice and data Multimedia networking.