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Internet; 5.7 Chapter Summary; Chapter 6. Internet Protocol Overview; 6.1 Network Interface Layer; 6.2 Internet Layer; 6.3 Transport Layer; 6.4 Application Layer; 6.5 Internet Security and IPsec; 6.6 Integrated Services, Differentiated Services; 6.7 Network Management; 6.8 Chapter Summary; Part II: Internet Applications; Chapter 7. Meet Joe's Packets; 7.1 Meet Joe; 7.2 The Application Layer: DNS and HTTP; 7.3 The Transport Layer; 7.4 Internet Layer 7.5 Network Link Layer 7.6 The Big Picture; 7.7 Routing Joe's Packets; 7.8 Chapter Summary; Chapter 8. The Domain Name System; 8.1 Problem Statement; 8.2 The Domain Name System Solution; 8.3 The Database; 8.4 The Protocol; 8.5 Domain Name System in Action; 8.6 Additional Domain Name System Issues; 8.7 Chapter Summary; Chapter 9. Internet Mail; 9.1 Internet Messaging Architecture; 9.2 Simple Mail Transfer Protocol Details; 9.3 More Simple Mail Transfer Protocol Issues; 9.4 Internet Mail Lessons; 9.5 Chapter Summary; Chapter 10. Telnet; 10.1 Problem Statement; 10.2 Terminal Functions 10.3 Telnet Protocol Basics 10.4 Secure Shell Protocol; 10.5 Chapter Summary; Chapter 11. Internet File Transfer; 11.1 Problem Statement; 11.2 File Transfer Protocol Basics; 11.3 What's Special About File Transfer Protocol; 11.4 Trivial File Transfer Protocol; 11.5 File Sharing; 11.6 Anonymous File Transfer Protocol; 11.7 FTP Updates; 11.8 Chapter Summary; Chapter 12. The Web; 12.1 Specifying Web Resources; 12.2 The Hypertext Transfer Protocol (HTTP); 12.3 Hypertext Transfer Protocol and Multipurpose Internet Message Extensions; 12.4 Hypertext Transfer Protocol in Action 12.5 Web Caching and Intermediaries

Sommario/riassunto

With over 30,000 copies sold in previous editions, this fourth edition of TCP/IP Clearly Explained stands out more than ever. You still get a practical, thorough exploration of TCP/IP networking, presented in plain language, that will benefit newcomers and veterans alike. The coverage has been updated, however, to reflect new and continuing technological changes, including the Stream Control Transmission Protocol (SCTP), the Blocks architecture for application protocols, and the Transport Layer Security Protocol (TLS). The improvements go far beyond the updated material: they also incl
