1. Record Nr. UNINA9910792586503321 Autore Peterson Larry L Titolo Computer networks : a systems approach / / Larry L. Peterson & Bruce S. Davie Pubbl/distr/stampa Burlington, : Elsevier Science, 2007 **ISBN** 1-282-53998-1 9786612539985 0-12-385910-7 0-08-047667-8 Edizione [4th ed.] Descrizione fisica 1 online resource (835 p.) The Morgan Kaufmann Series in Networking Collana Altri autori (Persone) DavieBruce S Disciplina 004.6 Soggetti Computer networks **Telecommunications Electrical & Computer Engineering Engineering & Applied Sciences** Lingua di pubblicazione Inglese **Formato** Materiale a stampa Livello bibliografico Monografia Description based upon print version of record. Note generali Nota di contenuto Front cover; Title page; Copyright page; Foreword; Foreword to the First Edition; Preface; Audience; Changes in the Fourth Edition; Approach; Pedagogy and Features; Road Map and Course Use; Exercises; Supplemental Materials and Online Resources; Acknowledgments; Table of Contents; 1 Foundation; Problem: Building a Network; 1.1 Applications; 1.2 Requirements; 1.2.1 Connectivity; 1.2.3 Support for Common Services: 1.3 Network Architecture: 1.3.2 OSI Architecture: 1.4 Implementing Network Software: 1.4.1 Application Programming Interface (Sockets): 1.4.2 Example Application 2.6 Ethernet (802.3)2.6.1 Physical Properties; 2.7 Rings (802.5, FDDI, RPR); 2.7.1 Token Ring Media Access Control; 2.7.2 Token Ring Maintenance; 2.8 Wireless; 2.8.1 Bluetooth (802.15.1); 2.8.2 Wi-Fi (802.11); 2.8.3 WiMAX (802.16); 2.8.4 Cell Phone Technologies; 2.9 Summary: Open Issue: Sensor Networks; Further Reading; 3 Packet Switching: Problem: Not All Networks Are Directly Connected; 3.1.1

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Computer Networks, 4E is the only introductory computer networking book written by authors who have had first-hand experience with many of the protocols discussed in the book, who have actually designed some of them as well, and who are still actively designing the computer networks today. This newly revised edition continues to provide an enduring, practical understanding of networks and their building blocks through rich, example-based instruction. The authors' focus is on the why of network design, not just the specifications comprising today's systems but how key technologies and p

5.2.1 End-to-End Issues