

Understanding Data Communications and Networking

Exploring the key components and structures of data communication, networking, and the Internet.



Understanding Data Communications

Regis J. Bates, Marcus Bates



Understanding Data Communications:

Understanding Data Communications Gilbert Held, 1991-09-27 Data communications can be considered as the tether that binds modern society together The impetus for this timely book is the importance and dependence upon communications The author provides a detailed examination of its evolution technology and future focusing upon the characteristics operation and utilization of data communications components that are the building blocks upon which networks are erected Packed with illustrations tables and schematic diagrams to fully explain concepts theory and practice

Understanding Data Communications Gilbert Held, 1996 This is the only book of its kind to provide solid explanations behind modern data communications concepts All the concepts are modern and up to date in sync with the current and future data communication market

Understanding Data Communications Gilbert Held, 2002 This is the only book of its kind to provide solid explanations behind modern data communications concepts All the concepts are modern and up to date in sync with the current and future data communication market

Understanding Data Communications Gilbert Held, 1996 This expanded and completely updated edition of the popular text reflects the major changes to communications technology since 1990 New coverage includes discussions of ATM and Frame Relay Ethernet and Token Ring Networks and expanded treatment of satellite communications There is also new material on the ATM LAN versus WAN evolution as well as new sections on LAN networking and Internetworking Emphasis is given throughout to reflect the emergence of the Internet with timely information on TCP IP NetWare and LAN applications

Understanding Data Communications and Networks William A. Shay, 1999 This text presents data communications and network fundamentals and a wide array of specific applications at a level for Junior CS and CIS majors intending to be information systems professionals The 2nd edition is updated with new information on state of the art developments supporting the World Wide Web including expanded and updated coverage of LAN WAN systems and protocols and such topics as asynchronous transfer mode ATM modems encryption and network security

Understanding Data Communications C. Douglas Johnson, Peter Zipin, Data-Tech Institute, 1987

Understanding Data Communications and Networks William A. Shay, 1995 Thoroughly updated for currency this book offers a clear presentation of data communications and network fundamentals Featuring a wide array of applications the book fully explains concepts and supports them with case studies or descriptions of specific software and other products Students learn the protocols of analog and digital signals data compression data integrity data security local area networks asynchronous transfer mode ATM and much more The third edition includes important information on the latest developments of the Internet

Data Communications Robert Techo, 2013-11-21 This book has evolved primarily from lecture notes for data communications courses taught at Georgia State University since 1969 Additional material was derived from seminar presentations that were made during this period as well as from consulting work Teaching data communications in the College of Business Administration influenced the point of view of this material giving it a

semitechnical orientation This point of view has been extended to the preparation of this book Only those technical details were included which it was felt would lead the student to a better understanding of the subject References are provided for those who desire further information in particular areas The reader for whom this book is intended is the nontechnical person who has some knowledge of computer technology and who wishes to extend that knowledge to the field of data communications The two key points stressed in this book are terminology and concepts The objectives of this book are to enable the student 1 To read articles in the field of data communications with an understanding of their content 2 To be able to engage in knowledgeable discussions with communications engineers on the subject of data communications 3 To design and implement the hardware aspects of applications using data communications The software that would be involved is beyond the scope of this book except where protocols are considered v vi Preface 4 To effectively evaluate proposals for the implementation of data communications systems

Business Driven Data Communications Michael S. Gendron, 2011-12-31 A business driven approach to understanding data communications Explaining the why and how of data communications Michael Gendron's new textbook Business Driven Data Communications takes a business driven infrastructure design approach rather than solely focusing on a technical networking approach Overall this text presents technical material within the focus of business process support and infrastructure design

Understanding Data Communications Franz-Joachim Kauffels, 1989 Understanding Data Communications, 1985 **Understanding the Basics of Data Communications** Telecommunications Research Associates, 2007 Introduction to Networking Basics Patrick Ciccarelli, Christina Faulkner, Jerry FitzGerald, Alan Dennis, David Groth, Toby Skandier, 2012-02-21 Finally there is a resource for the networking novice Networking Basics provides an accessible introduction to network concepts from the underlying standards through local and wide area network configurations up to configurations found in massive enterprise networks Readers will learn how to design and construct both wired and wireless networks gaining insight into both hardware and software requirements They will also find out how to match network capabilities to organizational needs

Principles of Voice & Data Communications Regis J. Bates, Marcus Bates, 2007 Principles of Voice and Data Communications is a technology book for the non technical student a comprehensive overview of the entire networking industry built on unrivaled real world experience With its helpful pedagogy teaching support and student friendly tone Principles of Voice and Data Communications gives students the foundation they need to enter and succeed in the technology and communications fields *UNDERSTANDING DATA COMMUNICATIONS*, 1988 Handbook of Data Communications and Networks William Buchanan, Bill Buchanan, 1999 The object of this book is to cover most of the currently relevant areas of data communications and networks These include Communications protocols especially TCP IP Networking especially in Ethernet Fast Ethernet FDDI and ATM Networking operating systems especially in Windows NT Novell NetWare and UNIX Communications programs especially in serial communications parallel communications and TCP IP Computer hardware

especially in PC hardware serial communications and parallel communication The book thus splits into 15 different areas
General data compression Video images and sound Error coding and encryption TCP IP WWW Internets and Intranets
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