

FOURTEENTH EDITION

# BUSINESS DATA COMMUNICATIONS AND NETWORKING

JERRY FITZGERALD | ALAN DENNIS  
ALEXANDRA DURCIKOVA



WILEY

# Business Data Communications

**William Stallings, Richard Van Slyke**



## **Business Data Communications:**

*Business Data Communications and Networking* Jerry FitzGerald, Alan Dennis, 2009-01-09 Over the past few years many fundamental changes have occurred in data communications and networking that will shape the future for decades to come Updated with the latest advances in the field Jerry FitzGerald and Alan Dennis 10th Edition of Business Data Communications and Networking continues to provide the fundamental concepts and cutting edge coverage applications that students need to succeed in this fast moving field Authors FitzGerald and Dennis have developed a foundation and balanced presentation from which new technologies and applications can be easily understood evaluated and compared **Business Data Communications and Networking** Jerry FitzGerald, Alan Dennis, Alexandra Durcikova, 2020-12-03 Business Data Communications and Networking 14th Edition presents a classroom tested approach to the subject combining foundational concepts practical exercises and real world case studies The text provides a balanced well rounded presentation of data communications while highlighting its importance to nearly every aspect of modern business This fully updated new edition helps students understand how networks work and what is required to build and manage scalable mobile and secure networks Clear student friendly chapters introduce explain and summarize fundamental concepts and applications such as server architecture network and transport layers network design processes and tools wired and wireless networking and network security and management An array of pedagogical features teaches students how to select the appropriate technologies necessary to build and manage networks that meet organizational needs maximize competitive advantage and protect networks and data from cybersecurity threats Discussions of real world management and technical issues from improving device performance to assessing and controlling costs provide students with insight into the daily networking operations of actual businesses Business Data Communications Gary B. Shelly, Thomas J. Cashman, Judy A. Hill, 1995 This textbook reflects the latest trends in business data communications and addresses basic concepts such as local area networks protocols network management and network software without excessive detail or overly technical discussions Business Data Communications Raymond R. Panko, 1997 Teach networking your way Modular design lets you tailor material to your personal teaching approach The printed text has 11 core chapters plus 10 advanced modules Additional readings as the book's website give you more basic material plus hot off the press information Can serve as one quarter course but enough material for a two semester course **Business Data Communications** William Stallings, Thomas L. Case, 2012-11 Business Data Communications and Security covers the fundamentals of data communications networking distributed applications and network management and security These concepts are presented in a way that relates specifically to the business environment and the concerns of business management and staff While making liberal use of real world case studies and charts and graphs to provide a business perspective the book also provides the student with a solid grasp of the technical foundation of business data communications The diverse set of projects and student exercises enables

the instructor to use the book as a component in a rich and varied learning experience and to tailor a course plan to meet the specific needs of the instructor and students This edition features a new co author Dr Thomas L Case Professor and Chair of the Department of Information Systems at Georgia Southern University New coverage of security related issues is included in relevant places throughout the book to meet the needs of the IT IS schools using this book and the growing emphasis on network security Additionally the Seventh edition now aligns with the ACM AIS IS 2010 curriculum model Business Data Communications and Networking Jerry FitzGerald, Alan Dennis, Alexandra Durcikova, 2020-12-10 Business Data Communications and Networking 14th Edition presents a classroom tested approach to the subject combining foundational concepts practical exercises and real world case studies The text provides a balanced well rounded presentation of data communications while highlighting its importance to nearly every aspect of modern business This fully updated new edition helps students understand how networks work and what is required to build and manage scalable mobile and secure networks Clear student friendly chapters introduce explain and summarize fundamental concepts and applications such as server architecture network and transport layers network design processes and tools wired and wireless networking and network security and management An array of pedagogical features teaches students how to select the appropriate technologies necessary to build and manage networks that meet organizational needs maximize competitive advantage and protect networks and data from cybersecurity threats Discussions of real world management and technical issues from improving device performance to assessing and controlling costs provide students with insight into the daily networking operations of actual businesses **Business Data Communications** Behrouz A. Forouzan, Sophia Chung Fegan, 2003 Designed for use in a data communications course for business majors This book blends technical presentation of important networking concepts with many business applications It includes pedagogy as a key component It includes PowerPoints solutions quizzes animations of key concepts and a testbank Business Data Communications and Networking Jairo Gutiérrez, 2007-01 The increasing business use of wireless and mobile technologies on a variety of devices has accelerated the need for a better understanding of the technologies involved Business Data Communications and Networking A Research Perspective addresses the key issues for businesses utilizing data communications and the increasing importance of networking technologies in business Business Data Communications and Networking A Research Perspective covers a series of technical advances in the field while highlighting their respective contributions to business or organizational goals and centers on the issues of network based applications mobility wireless networks and network security **Handbook of Business Data Communications** Hossein Bidgoli, 2000-08-08 Do you need a one volume lesson about business applications of the Internet and other computer based hardware and software This book provides comprehensive coverage of four major areas The Internet and Data Communications Basics Popular Types of Networks Design Implementation and Management Issues in a Network Environment and Data Communication and Internet Applications The Handbook of Business Data

Communications looks briefly at the major corporations working in each category In addition to practical examples short case studies and summaries of emerging issues in data communications Professor Bidgoli discusses personal social organizational and legal issues surrounding the use of networks and business software Easy to use balanced and up to date the Handbook has both answers and insights into future trends in business data communications Key Features An industry profile begins each chapter providing readers with ways to learn more about the products they use Numerous case studies of businesses throughout the book highlight applications topics Includes balanced presentations of current and emerging technologies as well as useful discussions of security issues and measures Presents thorough examinations of the Internet and intranets extranets Social organizational and legal materials provide context for data communications information Summaries and review questions reinforce the aims of each chapter

### **Fundamentals of Business Data Communications** Jerry

FitzGerald,Alan Dennis,2008-10-01 Over the past few years many fundamental changes have occurred in data communications and networking that will shape the future for decades to come Updated with the latest advances in the field Jerry FitzGerald and Alan Dennis 10 th Edition of Business Data Communications and Networking continues to provide the fundamental concepts and cutting edge coverage applications that students need to succeed in this fast moving field Authors FitzGerald and Dennis have developed a foundation and balanced presentation from which new technologies and applications can be easily understood evaluated and compared

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FitzGerald,2012-09-11 This text is an unbound binder ready edition Over the past few years many fundamental changes have occurred in data communications and networking that will shape the future for decades to come Updated with the latest advances in the field Jerry FitzGerald and Alan Dennis 11th Edition of Business Data Communications and Networking continues to provide the fundamental concepts and cutting edge coverage of applications that students need to succeed in this fast moving field Authors FitzGerald and Dennis have developed a foundation and balanced presentation from which new technologies and applications can be easily understood evaluated and compared

*Business Data Communications-Infrastructure, Networking and Security* William Stallings,Tom Case,2012-09-12 This is the eBook of the printed book and may not include any media website access codes or print supplements that may come packaged with the bound book For Business Data Communications Data Communications and introductory Networking for Business courses The content is also appropriate for the Introduction to Networking course in a MBA program Business Data Communications Infrastructure Networking and Security covers the fundamentals of data communications networking distributed applications and network management and security These concepts are presented in a way that relates specifically to the business environment and the concerns of business management and staff While making liberal use of real world case studies and charts and graphs to provide a business perspective the book also provides the student with a solid grasp of the technical foundation of business data communications The diverse set of projects and student exercises enables the instructor to use the book as a component

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Business Data Communications David A. Stamper,1989

Business Data Communications and Networking R. R. Panko,2001

**Business Data Communications** William Stallings,Richard Van Slyke,2001 For courses in Business Data Communications Data Communications and Introductory Networking for business students This text presents the fundamental concepts of data communications networking distributed applications and network management and security in a way that relates specifically to the business environment and business management and staff It also provides up to date coverage of key issues for the business student high speed networks asynchronous transfer mode ATM and TCP IP and the use of the Internet intranets and extranets to support business objectives

International Journal of Business Data Communications and Networking ,2012

Business Data Communications Allen Dooley,2005 Appropriate for all introductory to intermediate courses in networking telecommunications or data communications This book combines a thorough introduction to data communications and networking theory with a practical how to approach that enables students to apply the theory in real world environments The text is organized into five logically related parts helping students discover how a data communications infrastructure builds from standards to protocols to working networks designed to solve a wide variety of business problems Allen Dooley begins with fundamental concepts such as OSI and TCP IP layered modeling and standards as well as essential physical and data link layer details He next turns to local area networking introducing components design considerations topologies logical IP addressing subnetting and network and application layer services In Part III he explains backbone metropolitan and wide area networks covering topics ranging from Gigabit Ethernet to Backbone architectures frame relay and ATM to DSL Dooley then shows students how networking models standards protocols devices and other network elements can be integrated into a total total enterprise solution In so doing he addresses a wide range of technologies from servers and storage area networks to VPNs VoIP firewalls and encryption Many topics are taught in the context of a running business case study The book concludes with a preview of emerging network trends and technologies addressing convergence wireless IPv6 and especially careers for data communications and networking professionals Every chapter contains an Ethical Perspective section asking students to reflect on the ethical issues associated with the topics that have been covered To support effective learning Dooley provides learning objectives and detailed summaries keyword highlighting questions exercises and more

**Business Data Communications and Networking** Raymond R. Panko,1999 Using a unique modular approach this comprehensive book introduces the key topics and issues essential to networking professionals Its modular design is

presented in two parts which consists of eight core chapters followed by eight coordinated resource modules The website has additional supplemental material This modular design allows teachers to focus on topics they consider important without having to assemble outside readings

**Business Data Communications and Networking, Twelfth Edition Evaluations Copy** Jerry FitzGerald, Alan Dennis, 2014-08-25 Updated with the latest advances in the field Jerry FitzGerald Alan Dennis and Alexandra Durcikova s 12th Edition of Business Data Communications and Networking continues to provide the fundamental concepts and cutting edge coverage of applications that students need to succeed in their careers Authors FitzGerald Dennis and Durcikova have developed a foundation and balanced presentation from which new technologies and applications can be easily understood evaluated and compared

**Business Data Communications and Networking: A Research Perspective** Gutierrez, Jairo, 2006-12-31 This book addresses key issues for businesses utilizing data communications and the increasing importance of networking technologies in business it covers a series of technical advances in the field while highlighting their respective contributions to business or organizational goals and centers on the issues of network based applications mobility wireless networks and network security Provided by publisher

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