

Data Communication And Networking By Behrouz A Forouzan

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ISE DATA COMMUNICATIONS AND NETWORKING WITH TCP/IP PROTOCOL SUITE - BEHROUZ A. FOROUZAN
2021-01-06

"DATA COMMUNICATIONS AND NETWORKING, 6TH EDITION, TEACHES THE PRINCIPLES OF NETWORKING USING TCP/IP PROTOCOL SUITE. IT EMPLOYS A BOTTOM-UP APPROACH WHERE EACH LAYER IN THE TCP/IP PROTOCOL SUITE IS BUILT ON THE SERVICES PROVIDED BY THE LAYER BELOW. THIS EDITION HAS UNDERGONE A MAJOR RESTRUCTURING TO REDUCE

THE NUMBER OF CHAPTERS AND FOCUS ON THE ORGANIZATION OF TCP/IP PROTOCOL SUITE. IT CONCLUDES WITH THREE CHAPTERS THAT EXPLORE MULTIMEDIA, NETWORK MANAGEMENT, AND CRYPTOGRAPHY/NETWORK SECURITY. TECHNOLOGIES RELATED TO DATA COMMUNICATIONS AND NETWORKING ARE AMONG THE FASTEST GROWING IN OUR CULTURE TODAY, AND THERE IS NO BETTER GUIDE TO THIS RAPIDLY EXPANDING FIELD THAN DATA COMMUNICATIONS AND NETWORKING." -- PROVIDED BY PUBLISHER.

LOCAL AREA NETWORKS - BEHROUZ A. FOROUZAN 2003
LOCAL AREA NETWORKS (LANs) HAVE BECOME AN INTEGRAL PART OF COMMUNICATION IN TODAY'S WORLD. THE ESTABLISHMENTS THAT USE LAN APPLICATIONS INCLUDE BUSINESSES, EDUCATIONAL FACILITIES, HOSPITALS, STOCK EXCHANGES AND WAREHOUSES. THIS BOOK OFFERS READER-FRIENDLY, COMPREHENSIVE COVERAGE OF LAN TECHNOLOGIES, TEACHING THE READER HOW TO USE THEM IN REAL-WORLD APPLICATIONS. THE TEXT IS IDEAL FOR STUDENTS BOTH IN THE CLASSROOM AND LATER AS A REFERENCE. FOROUZAN MOTIVATES TOPICS BY PRACTICAL APPLICATIONS, AND HIS LIBERAL USE OF FIGURES MAKES DIFFICULT TECHNICAL TOPICS EASIER TO GRASP BY PROVIDING AN INTUITIVE, VISUAL REPRESENTATION OF CONCEPTS. EXTENSIVE PRACTICE SETS ARE ALSO PROVIDED AT THE END OF EACH CHAPTER, WHICH REINFORCE WHAT THE STUDENT HAS LEARNED THE BOOK IS ALSO UP-TO-DATE, PRESENTING INDEPTH MATERIAL ON SUCH CURRENT TOPICS AS GIGABIT ETHERNET, ATM LAN, WIRELESS LAN, VPN AND VLAN.

DATABASE SYSTEM CONCEPTS - ABRAHAM SILBERSCHATZ 2011
PRESENTS THE FUNDAMENTAL CONCEPTS OF DATABASE MANAGEMENT. THIS TEXT IS SUITABLE FOR A FIRST COURSE IN DATABASES AT THE JUNIOR/SENIOR UNDERGRADUATE LEVEL OR THE FIRST YEAR GRADUATE LEVEL.

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.

LOOSE LEAF FOR C++ PROGRAMMING: AN OBJECT-ORIENTED APPROACH - RICHARD GILBERG 2019-01-04
C++ PROGRAMMING: AN OBJECT-ORIENTED APPROACH HAS TWO PRIMARY OBJECTIVES: TEACH THE BASIC PRINCIPLES OF PROGRAMMING AS OUTLINED IN THE ACM CURRICULUM FOR A CS1 CLASS AND TEACH THE BASIC CONSTRUCTS OF THE C++ LANGUAGE. WHILE C++ IS A COMPLEX AND PROFESSIONAL LANGUAGE, EXPERIENCE SHOWS THAT BEGINNING STUDENTS CAN EASILY UNDERSTAND AND USE C++. C++ PROGRAMMING: AN OBJECT-ORIENTED APPROACH USES A COMBINATION OF THOROUGH, WELL-ORDERED EXPLANATIONS AND A STRONG VISUAL FRAMEWORK TO MAKE PROGRAMMING CONCEPTS ACCESSIBLE TO STUDENTS. THE

AUTHORS STRESS INCREMENTAL PROGRAM DEVELOPMENT, WHEREIN PROGRAM ANALYSIS IS FOLLOWED BY BUILDING A STRUCTURE CHART, CONSTRUCTING UML FLOW DIAGRAMS, WRITING ALGORITHMS, UNDERTAKING PROGRAM DESIGN, AND FINALLY TESTING. THIS FOUNDATION, COMBINED WITH A FOCUS ON THE BENEFITS OF A CONSISTENT AND WELL-DOCUMENTED PROGRAMMING STYLE, PREPARES STUDENTS TO TACKLE THE ACADEMIC AND PROFESSIONAL PROGRAMMING CHALLENGES THEY WILL ENCOUNTER DOWN THE ROAD WITH CONFIDENCE.

LOOSE LEAF FOR DATA COMMUNICATIONS AND NETWORKING WITH TCP/IP PROTOCOL SUITE - BEHROUZ A. FOROUZAN 2021-01-11

DATA COMMUNICATIONS AND NETWORKING, 5TH EDITION, TEACHES THE PRINCIPLES OF NETWORKING USING TCP/IP PROTOCOL SUITE. IT EMPLOYS A BOTTOM-UP APPROACH WHERE EACH LAYER IN THE TCP/IP PROTOCOL SUITE IS BUILT ON THE SERVICES PROVIDED BY THE LAYER BELOW. THIS EDITION HAS UNDERGONE A MAJOR RESTRUCTURING TO REDUCE THE NUMBER OF CHAPTERS AND FOCUS ON THE ORGANIZATION OF TCP/IP PROTOCOL SUITE. IT CONCLUDES WITH THREE CHAPTERS THAT EXPLORE MULTIMEDIA, NETWORK MANAGEMENT, AND CRYPTOGRAPHY/NETWORK SECURITY. TECHNOLOGIES RELATED TO DATA COMMUNICATIONS AND NETWORKING ARE AMONG THE FASTEST GROWING IN OUR CULTURE TODAY, AND THERE IS NO BETTER GUIDE TO THIS

RAPIDLY EXPANDING FIELD THAN DATA COMMUNICATIONS AND NETWORKING.

INTERCONNECTIONS - RADIA PERLMAN 2000

PERLMAN, A BESTSELLING AUTHOR AND SENIOR CONSULTING ENGINEER FOR SUN MICROSYSTEMS, PROVIDES INSIGHT FOR BUILDING MORE ROBUST, RELIABLE, SECURE AND MANAGEABLE NETWORKS. COVERAGE ALSO INCLUDES ROUTING AND ADDRESSING STRATEGIES, VLANs, MULTICASTING, IPV6, AND MORE.

MULTIMEDIA COMMUNICATIONS: APPLICATIONS, NETWORKS, PROTOCOLS AND STANDARDS - HALSALL 2001-09

DATA COMMUNICATIONS AND NETWORKING GLOBAL EDITION 5E - BEHROUZ A. FOROUZAN 2012-05-16

THE FIFTH EDITION OF BEHROUZ FOROUZAN'S DATA COMMUNICATIONS AND NETWORKING PRESENTS A COMPREHENSIVE AND ACCESSIBLE APPROACH TO DATA COMMUNICATIONS AND NETWORKING THAT HAS MADE THIS BOOK A FAVORITE WITH STUDENTS AND PROFESSIONALS ALIKE. MORE THAN 830 FIGURES AND 150 TABLES ACCOMPANY THE TEXT AND PROVIDE A VISUAL AND INTUITIVE OPPORTUNITY FOR UNDERSTANDING THE MATERIAL. THIS UNIQUE APPROACH MINIMIZES THE NEED FOR HEAVY MATH CONTENT, ALLOWING NORMALLY COMPLICATED TOPICS TO UNFOLD GRAPHICALLY AND VISUALLY RATHER THAN THROUGH THE PRESENTATION OF COMPLEX FORMULAS. THE GLOBAL

EDITION HAS BEEN DEVELOPED SPECIFICALLY TO MEET THE NEEDS OF INTERNATIONAL COMPUTER NETWORKS STUDENTS. IN ADDITION TO A CHAPTER ON THE PEER-TO-PEER PARADIGM, A FULL CHAPTER ON QUALITY OF SERVICE (QoS), GENEROUS COVERAGE OF FORWARD ERROR CORRECTION, COVERAGE OF WiMAX, AND MATERIAL ON SOCKET-INTERFACE PROGRAMMING IN JAVA, WE HAVE ADDED NEW INTERNATIONAL END-OF-CHAPTER QUESTIONS AND PROBLEMS TO MAKE THE CONTENT MORE RELEVANT AND IMPROVE LEARNING OUTCOMES FOR THE INTERNATIONAL STUDENT.

DATA COMM NETWORKG 2/E UPDATE - BEHROUZ A. FOROUZAN 2003

COMPUTER NETWORKS - BEHROUZ A. FOROUZAN 2011

DATA COMMUNICATIONS AND NETWORKING - BEHROUZ A. FOROUZAN 2007

ANNOTATION AS ONE OF THE FASTEST GROWING TECHNOLOGIES IN OUR CULTURE TODAY, DATA COMMUNICATIONS AND NETWORKING PRESENTS A UNIQUE CHALLENGE FOR INSTRUCTORS. AS BOTH THE NUMBER AND TYPES OF STUDENTS ARE INCREASING, IT IS ESSENTIAL TO HAVE A TEXTBOOK THAT PROVIDES COVERAGE OF THE LATEST ADVANCES, WHILE PRESENTING THE MATERIAL IN A WAY THAT IS ACCESSIBLE TO STUDENTS WITH LITTLE OR NO BACKGROUND IN THE FIELD. USING A BOTTOM-UP APPROACH,

DATA COMMUNICATIONS AND NETWORKING PRESENTS THIS HIGHLY TECHNICAL SUBJECT MATTER WITHOUT RELYING ON COMPLEX FORMULAS BY USING A STRONG PEDAGOGICAL APPROACH SUPPORTED BY MORE THAN 700 FIGURES. NOW IN ITS FOURTH EDITION, THIS TEXTBOOK BRINGS THE BEGINNING STUDENT RIGHT TO THE FOREFRONT OF THE LATEST ADVANCES IN THE FIELD, WHILE PRESENTING THE FUNDAMENTALS IN A CLEAR, STRAIGHTFORWARD MANNER. STUDENTS WILL FIND BETTER COVERAGE, IMPROVED FIGURES AND BETTER EXPLANATIONS ON CUTTING-EDGE MATERIAL. THE "BOTTOM-UP" APPROACH ALLOWS INSTRUCTORS TO COVER THE MATERIAL IN ONE COURSE, RATHER THAN HAVING SEPARATE COURSES ON DATA COMMUNICATIONS AND NETWORKING

DATA COMMUNICATIONS AND NETWORKING WITH TCP/IP PROTOCOL SUITE - BEHROUZ A. FOROUZAN 2021-03
REVISED EDITION OF: DATA COMMUNICATIONS AND NETWORKING.

COMPUTER AND COMMUNICATION NETWORKS - NADER F. MIR 2015

COMPUTER AND COMMUNICATION NETWORKS, SECOND EDITION FIRST ESTABLISHES A SOLID FOUNDATION IN BASIC NETWORKING CONCEPTS, TCP/IP SCHEMES, WIRELESS NETWORKING, INTERNET APPLICATIONS, AND NETWORK SECURITY. NEXT, MIR DELVES INTO THE MATHEMATICAL ANALYSIS OF NETWORKS, AS WELL AS ADVANCED

NETWORKING PROTOCOLS. THIS FULLY-UPDATED TEXT THOROUGHLY EXPLAINS THE MODERN TECHNOLOGIES OF NETWORKING AND COMMUNICATIONS AMONG COMPUTERS, SERVERS, ROUTERS, AND OTHER SMART COMMUNICATION DEVICES, HELPING READERS DESIGN COST-EFFECTIVE NETWORKS THAT MEET EMERGING REQUIREMENTS. OFFERING UNIQUELY BALANCED COVERAGE OF ALL KEY BASIC AND ADVANCED TOPICS, IT TEACHES THROUGH EXTENSIVE, UP-TO-DATE CASE STUDIES, 400 EXAMPLES AND EXERCISES, AND 250+ ILLUSTRATIVE FIGURES. NADER F. MIR PROVIDES THE PRACTICAL, SCENARIO-BASED INFORMATION MANY NETWORKING BOOKS LACK, AND OFFERS A UNIQUELY EFFECTIVE BLEND OF THEORY AND IMPLEMENTATION. DRAWING ON EXTENSIVE EXPERIENCE IN THE FIELD, HE INTRODUCES A WIDE SPECTRUM OF CONTEMPORARY APPLICATIONS, AND COVERS SEVERAL KEY TOPICS THAT COMPETITIVE TEXTS SKIM PAST OR IGNORE COMPLETELY, SUCH AS SOFTWARE-DEFINED NETWORKING (SDN) AND INFORMATION-CENTRIC NETWORKING.

BUSINESS DATA COMMUNICATIONS - WILLIAM STALLINGS 2009

BUSINESS DATA COMMUNICATIONS, 6/E, COVERS THE FUNDAMENTALS OF DATA COMMUNICATIONS, NETWORKING, DISTRIBUTED APPLICATIONS, AND NETWORK MANAGEMENT AND SECURITY. STALLINGS PRESENTS THESE CONCEPTS IN A WAY THAT RELATES SPECIFICALLY TO THE BUSINESS ENVIRONMENT

AND THE CONCERNS OF BUSINESS MANAGEMENT AND STAFF, STRUCTURING HIS TEXT AROUND REQUIREMENTS, INGREDIENTS, AND APPLICATIONS. ALL OF THE MATERIAL HAS BEEN UPDATED FOR THE LATEST TECHNOLOGIES AND DEVELOPMENTS IN THE FIELD, INCLUDING: SPECIFICATIONS OF WiFi/IEEE 802.11 WIRELESS LANs, INCLUDING 802.11n. IP; PERFORMANCE METRICS AND SERVICE LEVEL AGREEMENTS (SLAs); GIGABIT ETHERNET AND 10-Gbps ETHERNET STANDARDS; NEW UNIFIED COMMUNICATIONS CONCEPTS; EXPANDED, ENHANCED SECURITY MATERIAL; NEW ONLINE ANIMATIONS ILLUSTRATE KEY FUNCTIONS AND ALGORITHMS IN OS DESIGN. APPROPRIATE FOR PROFESSIONALS INTERESTED IN BUSINESS DATA COMMUNICATIONS.

AN ENGINEERING APPROACH TO COMPUTER NETWORKING - SRINIVASAN KESHAV 1997

TAKING A UNIQUE "ENGINEERING" APPROACH THAT WILL HELP READERS GAIN A GRASP OF NOT JUST HOW BUT ALSO WHY NETWORKS WORK THE WAY THEY DO, THIS BOOK INCLUDES THE VERY LATEST NETWORK TECHNOLOGY--INCLUDING THE FIRST PRACTICAL TREATMENT OF ASYNCHRONOUS TRANSFER MODE (ATM). THE CD-ROM CONTAINS AN INVALUABLE NETWORK SIMULATOR.

HIGH-PERFORMANCE COMMUNICATION NETWORKS - JEAN WALRAND 2000

RETAINING THE FIRST EDITION'S TECHNOLOGY-CENTRED PERSPECTIVE, THIS BOOK GIVES READERS A SOUND

UNDERSTANDING OF PACKED-SWITCHED, CIRCUIT-SWITCHED AND ATM NETWORKS, AND TECHNIQUES FOR CONTROLLING THEM.

DATA COMMUNICATIONS AND NETWORKING - BEHROUZ A. FOROUZAN 2013-06

TCP / IP FOR DUMMIES - CANDACE LEIDEN 2009-07-15
PACKED WITH THE LATEST INFORMATION ON TCP/IP STANDARDS AND PROTOCOLS TCP/IP IS A HOT TOPIC, BECAUSE IT'S THE GLUE THAT HOLDS THE INTERNET AND THE WEB TOGETHER, AND NETWORK ADMINISTRATORS NEED TO STAY ON TOP OF THE LATEST DEVELOPMENTS. TCP/IP FOR DUMMIES, 6TH EDITION, IS BOTH AN INTRODUCTION TO THE BASICS FOR BEGINNERS AS WELL AS THE PERFECT GO-TO RESOURCE FOR TCP/IP VETERANS. THE BOOK INCLUDES THE LATEST ON WEB PROTOCOLS AND NEW HARDWARE, PLUS VERY TIMELY INFORMATION ON HOW TCP/IP SECURES CONNECTIVITY FOR BLOGGING, VLOGGING, PHOTOBLOGGING, AND SOCIAL NETWORKING. STEP-BY-STEP INSTRUCTIONS SHOW YOU HOW TO INSTALL AND SET UP TCP/IP ON CLIENTS AND SERVERS; BUILD SECURITY WITH ENCRYPTION, AUTHENTICATION, DIGITAL CERTIFICATES, AND SIGNATURES; HANDLE NEW VOICE AND MOBILE TECHNOLOGIES, AND MUCH MORE. TRANSMISSION CONTROL PROTOCOL / INTERNET PROTOCOL (TCP/IP) IS THE DE FACTO STANDARD TRANSMISSION MEDIUM WORLDWIDE FOR COMPUTER-TO-

COMPUTER COMMUNICATIONS; INTRANETS, PRIVATE INTERNETS, AND THE INTERNET ARE ALL BUILT ON TCP/IP THE BOOK SHOWS YOU HOW TO INSTALL AND CONFIGURE TCP/IP AND ITS APPLICATIONS ON CLIENTS AND SERVERS; EXPLAINS INTRANETS, EXTRANETS, AND VIRTUAL PRIVATE NETWORKS (VPNS); PROVIDES STEP-BY-STEP INFORMATION ON BUILDING AND ENFORCING SECURITY; AND COVERS ALL THE NEWEST PROTOCOLS YOU'LL LEARN HOW TO USE ENCRYPTION, AUTHENTICATION, DIGITAL CERTIFICATES, AND SIGNATURES TO SET UP A SECURE INTERNET CREDIT CARD TRANSACTION FIND PRACTICAL SECURITY TIPS, A QUICK START SECURITY GUIDE, AND STILL MORE IN THIS PRACTICAL GUIDE.

INTRODUCTION TO DATA COMMUNICATIONS AND NETWORKING - BEHROUZ A. FOROUZAN 1998

THIS IS A THOROUGH INTRODUCTION TO THE CONCEPTS UNDERLYING NETWORKING TECHNOLOGY, FROM PHYSICAL CARRIER MEDIA TO PROTOCOL SUITES (FOR EXAMPLE, TCP/IP). THE AUTHOR INCLUDES HISTORICAL MATERIAL TO SHOW THE LOGIC BEHIND THE DEVELOPMENT OF A GIVEN MECHANISM, AND ALSO INCLUDES COMPREHENSIVE DISCUSSIONS OF INCREASINGLY IMPORTANT MATERIAL, SUCH AS B-ISDN (BROADBAND INTEGRATED SERVICES DIGITAL NETWORK) AND ATM (ASYNCHRONOUS TRANSMISSION MODE).

TCP/IP PROTOCOL SUITE - BEHROUZ A. FOROUZAN 2003
NETWORKING TECHNOLOGIES HAVE BECOME AN INTEGRAL PART

OF EVERYDAY LIFE, WHICH HAS LED TO A DRAMATIC INCREASE IN THE NUMBER OF PROFESSIONS WHERE IT IS IMPORTANT TO UNDERSTAND NETWORK TECHNOLOGIES. TCP/IP PROTOCOL SUITE TEACHES STUDENTS AND PROFESSIONALS, WITH NO PRIOR KNOWLEDGE OF TCP/IP, EVERYTHING THEY NEED TO KNOW ABOUT THE SUBJECT. THIS COMPREHENSIVE BOOK USES HUNDREDS OF FIGURES TO MAKE TECHNICAL CONCEPTS EASY TO GRASP, AS WELL AS MANY EXAMPLES, WHICH HELP TIE THE MATERIAL TO THE REAL-WORLD. THE SECOND EDITION OF TCP/IP PROTOCOL SUITE HAS BEEN FULLY UPDATED TO INCLUDE ALL OF THE RECENT TECHNOLOGY CHANGES IN THE FIELD. MANY NEW CHAPTERS HAVE BEEN ADDED SUCH AS ONE ON MOBILE IP, MULTIMEDIA AND INTERNET, NETWORK SECURITY, AND IP OVER ATM. ADDITIONALLY, OUT-OF-DATE MATERIAL HAS BEEN OVERHAULED TO REFLECT RECENT CHANGES IN TECHNOLOGY.

IPv6 FUNDAMENTALS - RICK GRAZIANI 2017-06-06

ORGANIZATIONS ARE INCREASINGLY TRANSITIONING TO IPv6, THE NEXT GENERATION PROTOCOL FOR DEFINING HOW DEVICES OF ALL KINDS COMMUNICATE OVER NETWORKS. NOW FULLY UPDATED, IPv6 FUNDAMENTALS OFFERS A THOROUGH, FRIENDLY, AND EASY-TO-UNDERSTAND INTRODUCTION TO THE KNOWLEDGE AND SKILLS YOU NEED TO DEPLOY AND OPERATE IPv6 NETWORKS. LEADING NETWORKING INSTRUCTOR RICK GRAZIANI EXPLAINS ALL THE BASICS SIMPLY AND CLEARLY, STEP-BY-STEP, PROVIDING ALL THE DETAILS YOU'LL NEED TO

SUCCEED. YOU'LL LEARN WHY IPv6 IS NECESSARY, HOW IT WAS CREATED, HOW IT WORKS, AND HOW IT HAS BECOME THE PROTOCOL OF CHOICE IN ENVIRONMENTS RANGING FROM CLOUD TO MOBILE AND IoT. GRAZIANI THOROUGHLY INTRODUCES IPv6 ADDRESSING, CONFIGURATION OPTIONS, AND ROUTING PROTOCOLS, INCLUDING EIGRP FOR IPv6, AND OSPFv3 (TRADITIONAL CONFIGURATION AND WITH ADDRESS FAMILIES). BUILDING ON THIS COVERAGE, HE THEN INCLUDES MORE IN-DEPTH INFORMATION INVOLVING THESE PROTOCOLS AND PROCESSES. THIS EDITION CONTAINS A COMPLETELY REVAMPED DISCUSSION OF DEPLOYING IPv6 IN YOUR NETWORK, INCLUDING IPv6/IPv4 INTEGRATION, DYNAMIC ADDRESS ALLOCATION, AND UNDERSTANDING IPv6 FROM THE PERSPECTIVE OF THE NETWORK AND HOST. YOU'LL ALSO FIND IMPROVED COVERAGE OF KEY TOPICS SUCH AS STATELESS ADDRESS AUTOCONFIGURATION (SLAAC), DHCPv6, AND THE ADVANTAGES OF THE SOLICITED NODE MULTICAST ADDRESS. THROUGHOUT, GRAZIANI PRESENTS COMMAND SYNTAX FOR CISCO IOS, WINDOWS, LINUX, AND MAC OS, AS WELL AS MANY EXAMPLES, DIAGRAMS, CONFIGURATION TIPS, AND UPDATED LINKS TO WHITE PAPERS AND OFFICIAL RFCs FOR EVEN DEEPER UNDERSTANDING. LEARN HOW IPv6 SUPPORTS MODERN NETWORKS ENCOMPASSING THE CLOUD, MOBILE, IoT, AND GAMING DEVICES COMPARE IPv6 WITH IPv4 TO SEE WHAT HAS CHANGED AND WHAT HASN'T UNDERSTAND AND REPRESENT IPv6 ADDRESSES FOR UNICAST,

MULTICAST, AND ANYCAST ENVIRONMENTS MASTER ALL FACETS OF DYNAMIC IPv6 ADDRESS ALLOCATION WITH SLAAC, STATELESS DHCPv6, AND STATEFUL DHCPv6 UNDERSTAND ALL THE FEATURES OF DEPLOYING IPv6 ADDRESSES IN THE NETWORK INCLUDING TEMPORARY ADDRESSES AND THE PRIVACY EXTENSION IMPROVE OPERATIONS BY LEVERAGING MAJOR ENHANCEMENTS BUILT INTO ICMPv6 AND ICMPv6 NEIGHBOR DISCOVERY PROTOCOL CONFIGURE IPv6 ADDRESSING AND ACCESS CONTROL LISTS USING A COMMON TOPOLOGY IMPLEMENT ROUTING OF IPv6 PACKETS VIA STATIC ROUTING, EIGRP FOR IPv6, AND OSPFv3 WALK STEP-BY-STEP THROUGH DEPLOYING IPv6 IN EXISTING NETWORKS, AND COEXISTING WITH OR TRANSITIONING FROM IPv4

UNIX AND SHELL PROGRAMMING - BEHROUZ A. FOROUZAN 2003

DESIGNED AS ONE OF THE FIRST TRUE TEXTBOOKS ON HOW TO USE THE UNIX OPERATING SYSTEM AND SUITABLE FOR A WIDE VARIETY OF UNIX-BASED COURSES, UNIX AND SHELL PROGRAMMING GOES BEYOND PROVIDING A REFERENCE OF COMMANDS TO OFFER A GUIDE TO BASIC COMMANDS AND SHELL PROGRAMMING. FOROUZAN/GILBERG BEGIN BY INTRODUCING STUDENTS TO BASIC COMMANDS AND TOOLS OF THE POWERFUL UNIX OPERATING SYSTEM. THE AUTHORS THEN PRESENT SIMPLE SCRIPTWRITING CONCEPTS, AND COVER ALL MATERIAL REQUIRED FOR UNDERSTANDING SHELLS (E.G.,

REGULAR EXPRESSIONS, GREP, SED, AND AWK) BEFORE INTRODUCING MATERIAL ON THE KORN, C, AND BOURNE SHELLS. THROUGHOUT, IN-TEXT LEARNING AIDS ENCOURAGE ACTIVE LEARNING AND RICH VISUALS SUPPORT CONCEPT PRESENTATION. FOR EXAMPLE, SESSIONS USE COLOR SO STUDENTS CAN EASILY DISTINGUISH USER INPUT FROM COMPUTER OUTPUT. IN ADDITION, ILLUSTRATIVE FIGURES HELP STUDENT VISUALIZE WHAT THE COMMAND IS DOING. EACH CHAPTER CONCLUDES WITH PROBLEMS, INCLUDING LAB SESSIONS WHERE STUDENTS WORK ON THE COMPUTER AND COMPLETE SESSIONS STEP-BY-STEP. THIS APPROACH HAS PROVEN TO BE SUCCESSFUL WHEN TEACHING THIS MATERIAL IN THE CLASSROOM.

THE LORD OF THE RINGS - GARY RUSSELL 2002

CONTAINS FIVE HUNDRED EXCLUSIVE IMAGES, INCLUDING PENCIL SKETCHES AND CONCEPTUAL DRAWINGS, WHICH HELPED SHAPE THE FILM "THE FELLOWSHIP OF THE RING."

COMPUTER NETWORKS - YING-DAR LIN 2012

YING-DAR LIN, REN-HUNG HWANG, AND FRED BAKER'S "COMPUTER NETWORKS" WILL BE THE FIRST TEXT TO IMPLEMENT AN OPEN SOURCE APPROACH, DISCUSSING THE NETWORK LAYERS, THEIR APPLICATIONS, AND THE IMPLEMENTATION ISSUES. THUS, IT TRIES TO NARROW THE GAP BETWEEN DOMAIN KNOWLEDGE AND HANDS-ON SKILLS. THE BOOK IS INTERNET FOCUSED AND DISCUSSES 56 OPEN SOURCE CODE SEGMENTS AMONG ALL CHAPTERS. IT IS MEANT

FOR THE FIRST COURSE IN COMPUTER NETWORKS.

TCP/IP Protocol Suite - Behrouz A. Forouzan 2007
Networking technologies have become an integral part of everyday life, which has led to a dramatic increase in the number of professions where it is important to understand network technologies. TCP/IP Protocol Suite teaches students and professionals, with no prior knowledge of TCP/IP, everything they need to know about the subject. This comprehensive book uses hundreds of figures to make technical concepts easy to grasp, as well as many examples, which help tie the material to the real-world. The second edition of TCP/IP Protocol Suite has been fully updated to include all of the recent technology changes in the field. Many new chapters have been added such as one on mobile IP, multimedia and internet, network security, and IP over ATM. Additionally, out-of-date material has been overhauled to reflect recent changes in technology.

Computer Networks - Larry L. Peterson 2011-03-02
Computer Networks: A Systems Approach, Fifth Edition, explores the key principles of computer networking, with examples drawn from the real world of network and protocol design. Using the Internet as the primary example, this best-selling and classic textbook explains various protocols and networking

technologies. The systems-oriented approach encourages students to think about how individual network components fit into a larger, complex system of interactions. This book has a completely updated content with expanded coverage of the topics of utmost importance to networking professionals and students, including P2P, wireless, network security, and network applications such as e-mail and the Web, IP telephony and video streaming, and peer-to-peer file sharing. There is now increased focus on application layer issues where innovative and exciting research and design is currently the center of attention. Other topics include network design and architecture; the ways users can connect to a network; the concepts of switching, routing, and internetworking; end-to-end protocols; congestion control and resource allocation; and end-to-end data. Each chapter includes a problem statement, which introduces issues to be examined; shaded sidebars that elaborate on a topic or introduce a related advanced topic; What's Next? discussions that deal with emerging issues in research, the commercial world, or society; and exercises. This book is written for graduate or upper-division undergraduate classes in computer networking. It will also be useful for industry professionals retraining for network-related

ASSIGNMENTS, AS WELL AS FOR NETWORK PRACTITIONERS SEEKING TO UNDERSTAND THE WORKINGS OF NETWORK PROTOCOLS AND THE BIG PICTURE OF NETWORKING. COMPLETELY UPDATED CONTENT WITH EXPANDED COVERAGE OF THE TOPICS OF UTMOST IMPORTANCE TO NETWORKING PROFESSIONALS AND STUDENTS, INCLUDING P2P, WIRELESS, SECURITY, AND APPLICATIONS INCREASED FOCUS ON APPLICATION LAYER ISSUES WHERE INNOVATIVE AND EXCITING RESEARCH AND DESIGN IS CURRENTLY THE CENTER OF ATTENTION FREE DOWNLOADABLE NETWORK SIMULATION SOFTWARE AND LAB EXPERIMENTS MANUAL AVAILABLE FOUNDATIONS OF COMPUTER SCIENCE - BEHROUZ A. FOROUZAN 2008

BASED ON THE ACM MODEL CURRICULUM GUIDELINES, THIS TEXT COVERS THE FUNDAMENTALS OF COMPUTER SCIENCE REQUIRED FOR FIRST YEAR STUDENTS EMBARKING ON A COMPUTING DEGREE. DATA REPRESENTATION OF TEXT, AUDIO, IMAGES, AND NUMBERS; COMPUTER HARDWARE AND SOFTWARE, INCLUDING OPERATING SYSTEMS AND PROGRAMMING LANGUAGES; DATA ORGANIZATION TOPICS SUCH AS SQL DATABASE MODELS - THEY'RE ALL [INCLUDED]. PROGRESSING FROM THE BITS AND BYTES LEVEL TO THE HIGHER LEVELS OF ABSTRACTION, THIS BIRDS-EYE VIEW PROVIDES THE FOUNDATION TO HELP YOU SUCCEED AS YOU CONTINUE YOUR STUDIES IN PROGRAMMING AND OTHER AREAS IN THE COMPUTER FIELD. -BACK COVER.

COMPUTER SCIENCE - BEHROUZ A. FOROUZAN 1997-01-01

FUNDAMENTALS OF COMPUTER NETWORKS - SUDAKSHINA KUNDU 2008-03-09

FOCUSED ON FUNDAMENTAL CONCEPTS AND PRACTICAL APPLICATIONS, THIS BOOK PROVIDES A STRONG FOUNDATION IN THE PRINCIPLES AND TERMINOLOGY OF COMPUTER NETWORKING AND INTERNET TECHNOLOGY. THIS THOROUGHLY REVISED SECOND EDITION, INCORPORATING SOME OF THE LATEST TECHNICAL FEATURES IN NETWORKING, IS SUITABLE FOR INTRODUCTORY ONE-SEMESTER COURSES FOR UNDERGRADUATE STUDENTS OF COMPUTER SCIENCE AND ENGINEERING, ELECTRONICS AND TELECOMMUNICATION ENGINEERING, INFORMATION TECHNOLOGY, AS WELL AS STUDENTS OF COMPUTER APPLICATIONS (BCA AND MCA). THIS TEXT BEGINS WITH AN OVERVIEW OF COMPUTER NETWORKING AND A DISCUSSION ON DATA COMMUNICATION. THEN IT PROCEEDS TO EXPLAIN HOW COMPUTER NETWORKS SUCH AS LOCAL AREA NETWORKS (LANs) AND WIDE AREA NETWORKS (WANs) WORK, AND HOW INTERNETWORKING IS IMPLEMENTED. BESIDES, THE BOOK PROVIDES A DESCRIPTION OF THE INTERNET AND TCP/IP PROTOCOL. WITH THE PROLIFIC GROWTH OF NETWORKING, 'NETWORK MANAGEMENT AND SECURITY' HAS BECOME AN INCREASINGLY IMPORTANT PART OF THE ACADEMIC CURRICULUM. THIS TOPIC HAS BEEN ADEQUATELY DEALT WITH IN A SEPARATE CHAPTER. THE

PRACTICAL ASPECTS OF NETWORKING, LISTING THE ESSENTIAL REQUIREMENTS NEEDED FOR ACTUALLY SETTING UP A COMPUTER NETWORK, ARE THOROUGHLY EXPLAINED IN THE FINAL CHAPTER OF THE BOOK. WHAT IS NEW IN THE SECOND EDITION • WIRELESS LAN IN CHAPTER 4 • API AND SOCKET PROGRAMMING AND END-TO-END PROTOCOL IN CHAPTER 7 • REMOTE PROCEDURE CALL (RPC) PROTOCOL IN CHAPTER 8 • DYNAMIC HOST CONFIGURATION PROTOCOL -ERROR REPORTING BY ICMP -VIRTUAL PRIVATE NETWORK (VPN) IN CHAPTER 9 -NETWORK ADDRESS TRANSLATION (NAT) AN APPENDIX DEALING WITH TELEPHONE NETWORKING, WIRELESS NETWORKING, CELLULAR NETWORKING AND SATELLITE AND TELEMETRY COMMUNICATION HAS BEEN INCLUDED TO MEET THE REQUIREMENTS OF THE STUDENTS.

TELECOMMUNICATION SWITCHING AND NETWORKS - P. GNANASIVAM 2005

INTRODUCTION TO DATA COMMUNICATION AND NETWORKING
- TOMASI 2007-09

DATA COMMUNICATIONS AND COMPUTER NETWORKS - PRAKASH C. GUPTA 2013-11-02
PRIMARILY INTENDED AS A TEXT FOR UNDERGRADUATE COURSES IN ELECTRONICS AND COMMUNICATIONS ENGINEERING, COMPUTER SCIENCE, IT COURSES, AND COMPUTER APPLICATIONS, THIS UP-TO-DATE AND ACCESSIBLE TEXT

GIVES AN INDEPTH ANALYSIS OF DATA COMMUNICATIONS AND COMPUTER NETWORKS IN AN EASY-TO-READ STYLE. THOUGH A NEW TITLE, IT IS A COMPLETELY REVISED AND FULLY UPDATED VERSION OF THE AUTHOR'S EARLIER BOOK DATA COMMUNICATIONS. THE RAPID STRIDES MADE DURING THE LAST DECADE IN THE FIELDS OF DATA COMMUNICATION AND NETWORKING, AND THE CLOSE LINK BETWEEN THESE TWO SUBJECTS HAVE PROMPTED THE AUTHOR TO ADD SEVERAL CHAPTERS ON COMPUTER NETWORKS IN THIS TEXT. THE BOOK GIVES A MASTERLY ANALYSIS OF TOPICS RANGING FROM THE PRINCIPLES OF DATA TRANSMISSION TO COMPUTER NETWORKING APPLICATIONS. IT ALSO PROVIDES STANDARD PROTOCOLS, THEREBY ENABLING TO BRIDGE THE GAP BETWEEN THEORY AND PRACTICE. WHAT'S MORE, IT CORRELATES THE NETWORK PROTOCOLS TO THE CONCEPTS, WHICH ARE EXPLAINED WITH THE HELP OF NUMEROUS EXAMPLES TO FACILITATE STUDENTS' UNDERSTANDING OF THE SUBJECT. THIS WELL-ORGANIZED TEXT PRESENTS THE LATEST DEVELOPMENTS IN THE FIELD AND DETAILS CURRENT TOPICS OF INTEREST SUCH AS MULTICASTING, MPLS, IPV6, GIGABIT ETHERNETS, IPSec, SSL, AUTO-NEGOTIATION, WIRELESS LANS, NETWORK SECURITY, DIFFERENTIATED SERVICES, AND ADSL. BESIDES STUDENTS, THE PRACTICING PROFESSIONALS WOULD FIND THE BOOK TO BE A VALUABLE RESOURCE. THE BOOK, IN ITS SECOND EDITION INTRODUCES A FULL CHAPTER ON QUALITY OF SERVICE, HIGHLIGHTING THE MEANING,

PARAMETERS AND FUNCTIONS REQUIRED FOR QUALITY OF SERVICE. THIS BOOK IS RECOMMENDED IN KAZIRANGA UNIVERSITY, NAGALAND, IIT GUWAHATI, ASSAM AND WEST BENGAL UNIVERSITY OF TECHNOLOGY (WBUT), WEST BENGAL FOR B.TECH. KEY FEATURES • THE BOOK IS SELF-CONTAINED AND STUDENT FRIENDLY. • THE SEQUENTIAL ORGANIZATION LENDS FLEXIBILITY IN DESIGNING COURSES ON THE SUBJECT. • LARGE NUMBER OF EXAMPLES, DIAGRAMS AND TABLES ILLUSTRATE THE CONCEPTS DISCUSSED IN THE TEXT. • NUMEROUS EXERCISES (WITH ANSWERS), A LIST OF ACRONYMS, AND REFERENCES TO PROTOCOL STANDARDS. *DATA COMMUNICATIONS AND NETWORKING* - BEHROUZ A. FOROUZAN 2001-07

BUSINESS DATA COMMUNICATIONS - BEHROUZ A. FOROUZAN 2003

DESIGNED FOR USE IN A DATA COMMUNICATIONS COURSE FOR BUSINESS MAJORS. THIS BOOK BLENDS A TECHNICAL PRESENTATION OF NETWORKING CONCEPTS WITH MANY BUSINESS APPLICATIONS. EACH CHAPTER IS MAPPED OUT WITH CHAPTER OBJECTIVES AND AN OVERVIEW AT THE BEGINNING. IT USES BUSINESS EMPHASIS BOXES TO PULL OUT IMPORTANT BUSINESS APPLICATIONS.

COMMUNICATION NETWORKING - ANURAG KUMAR 2004-06-02

COMMUNICATION NETWORKING IS A COMPREHENSIVE,

EFFECTIVELY ORGANIZED INTRODUCTION TO THE REALITIES OF COMMUNICATION NETWORK ENGINEERING. WRITTEN FOR BOTH THE WORKPLACE AND THE CLASSROOM, THIS BOOK LAYS THE FOUNDATION AND PROVIDES THE ANSWERS REQUIRED FOR BUILDING AN EFFICIENT, STATE-OF-THE-ART NETWORK—ONE THAT CAN EXPAND TO MEET GROWING DEMAND AND EVOLVE TO CAPITALIZE ON COMING TECHNOLOGICAL ADVANCES. IT FOCUSES ON THE THREE BUILDING BLOCKS OUT OF WHICH A COMMUNICATION NETWORK IS CONSTRUCTED: MULTIPLEXING, SWITCHING, AND ROUTING. THE DISCUSSIONS ARE BASED ON THE VIEWPOINT THAT COMMUNICATION NETWORKING IS ABOUT EFFICIENT RESOURCE SHARING. THE PROGRESSION IS NATURAL: THE BOOK BEGINS WITH INDIVIDUAL PHYSICAL LINKS AND PROCEEDS TO THEIR COMBINATION IN A NETWORK. THE APPROACH IS ANALYTICAL: DISCUSSION IS DRIVEN BY MATHEMATICAL ANALYSES OF AND SOLUTIONS TO SPECIFIC ENGINEERING PROBLEMS. FUNDAMENTAL CONCEPTS ARE EXPLAINED IN DETAIL AND DESIGN ISSUES ARE PLACED IN CONTEXT THROUGH REAL WORLD EXAMPLES FROM CURRENT TECHNOLOGIES. THE TEXT OFFERS IN-DEPTH COVERAGE OF MANY CURRENT TOPICS, INCLUDING NETWORK CALCULUS WITH DETERMINISTICALLY-CONSTRAINED TRAFFIC; CONGESTION CONTROL FOR ELASTIC TRAFFIC; PACKET SWITCH QUEUING; SWITCHING ARCHITECTURES; VIRTUAL PATH ROUTING; AND ROUTING FOR QUALITY OF SERVICE. IT ALSO INCLUDES MORE THAN 200 HANDS-ON EXERCISES AND CLASS-TESTED

PROBLEMS, DOZENS OF SCHEMATIC FIGURES, A REVIEW OF KEY MATHEMATICAL CONCEPTS, AND A GLOSSARY. THIS BOOK WILL BE OF INTEREST TO NETWORKING PROFESSIONALS WHOSE WORK IS PRIMARILY ARCHITECTURE DEFINITION AND IMPLEMENTATION, I.E., NETWORK ENGINEERS AND DESIGNERS AT TELECOM COMPANIES, INDUSTRIAL RESEARCH LABS, ETC. IT WILL ALSO APPEAL TO FINAL YEAR UNDERGRAD AND FIRST YEAR GRADUATE STUDENTS IN EE, CE, AND CS PROGRAMS. SYSTEMATICALLY USES MATHEMATICAL MODELS AND ANALYSES TO DRIVE THE DEVELOPMENT OF A PRACTICAL UNDERSTANDING OF CORE NETWORK ENGINEERING PROBLEMS. PROVIDES IN-DEPTH COVERAGE OF MANY CURRENT TOPICS, INCLUDING NETWORK CALCULUS WITH DETERMINISTICALLY-CONSTRAINED TRAFFIC, CONGESTION CONTROL FOR ELASTIC TRAFFIC, PACKET SWITCH QUEUEING, SWITCHING ARCHITECTURES, VIRTUAL PATH ROUTING, AND ROUTING FOR QUALITY OF SERVICE. INCLUDES OVER 200 HANDS-ON EXERCISES AND CLASS-TESTED PROBLEMS, DOZENS OF SCHEMATIC FIGURES, A REVIEW OF KEY MATHEMATICAL CONCEPTS, AND A GLOSSARY.

COMPUTER NETWORKS - TANENBAUM 2011

TANENBAUM TAKES A STRUCTURED APPROACH TO EXPLAINING HOW NETWORKS WORK FROM THE INSIDE OUT. HE STARTS WITH AN EXPLANATION OF THE PHYSICAL LAYER OF NETWORKING, COMPUTER HARDWARE AND TRANSMISSION SYSTEMS; THEN WORKS HIS WAY UP TO NETWORK

APPLICATIONS. TANENBAUM'S IN-DEPTH APPLICATION COVERAGE INCLUDES EMAIL; THE DOMAIN NAME SYSTEM; THE WORLD WIDE WEB (BOTH CLIENT- AND SERVER-SIDE); AND MULTIMEDIA (INCLUDING VOICE OVER IP, INTERNET RADIO VIDEO ON DEMAND, VIDEO CONFERENCING, AND STREAMING MEDIA. EACH CHAPTER FOLLOWS A CONSISTENT APPROACH: TANENBAUM PRESENTS KEY PRINCIPLES, THEN ILLUSTRATES THEM UTILIZING REAL-WORLD EXAMPLE NETWORKS THAT RUN THROUGH THE ENTIRE BOOK-THE INTERNET, AND WIRELESS NETWORKS, INCLUDING WIRELESS LANs, BROADBAND WIRELESS AND BLUETOOTH. THE FIFTH EDITION INCLUDES A CHAPTER DEVOTED EXCLUSIVELY TO NETWORK SECURITY. THE TEXTBOOK IS SUPPLEMENTED BY A SOLUTIONS MANUAL, AS WELL AS A WEBSITE CONTAINING POWERPOINT SLIDES, ART IN VARIOUS FORMS, AND OTHER TOOLS FOR INSTRUCTION, INCLUDING A PROTOCOL SIMULATOR WHEREBY STUDENTS CAN DEVELOP AND TEST THEIR OWN NETWORK PROTOCOLS.

FUNDAMENTALS OF DATA COMMUNICATION NETWORKS -

OLIVER C. IBE 2017-11-29

WHAT EVERY ELECTRICAL ENGINEERING STUDENT AND TECHNICAL PROFESSIONAL NEEDS TO KNOW ABOUT DATA EXCHANGE ACROSS NETWORKS WHILE MOST ELECTRICAL ENGINEERING STUDENTS LEARN HOW THE INDIVIDUAL COMPONENTS THAT MAKE UP DATA COMMUNICATION TECHNOLOGIES WORK, THEY RARELY LEARN HOW THE PARTS

WORK TOGETHER IN COMPLETE DATA COMMUNICATION NETWORKS. IN PART, THIS IS DUE TO THE FACT THAT UNTIL NOW THERE HAVE BEEN NO TEXTS ON DATA COMMUNICATION NETWORKING WRITTEN FOR UNDERGRADUATE ELECTRICAL ENGINEERING STUDENTS. BASED ON THE AUTHOR'S YEARS OF CLASSROOM EXPERIENCE, FUNDAMENTALS OF DATA COMMUNICATION NETWORKS FILLS THAT GAP IN THE PEDAGOGICAL LITERATURE, PROVIDING READERS WITH A MUCH-NEEDED OVERVIEW OF ALL RELEVANT ASPECTS OF DATA COMMUNICATION NETWORKING, ADDRESSED FROM THE PERSPECTIVE OF THE VARIOUS TECHNOLOGIES INVOLVED. THE DEMAND FOR INFORMATION EXCHANGE IN NETWORKS CONTINUES TO GROW AT A STAGGERING RATE, AND THAT DEMAND WILL CONTINUE TO MOUNT EXPONENTIALLY AS THE NUMBER OF INTERCONNECTED IoT-ENABLED DEVICES GROWS TO AN EXPECTED TWENTY-SIX BILLION BY THE YEAR 2020. NEVER HAS IT BEEN MORE URGENT FOR ENGINEERING STUDENTS TO UNDERSTAND THE FUNDAMENTAL SCIENCE AND TECHNOLOGY BEHIND DATA COMMUNICATION, AND THIS BOOK, THE FIRST OF ITS KIND, GIVES THEM THAT UNDERSTANDING. TO ACHIEVE THIS GOAL, THE BOOK: COMBINES SIGNAL THEORY, DATA PROTOCOLS, AND WIRELESS NETWORKING CONCEPTS INTO ONE TEXT EXPLORES THE FULL RANGE OF ISSUES THAT AFFECT COMMON PROCESSES SUCH AS MEDIA DOWNLOADS AND ONLINE GAMES ADDRESSES SERVICES FOR THE NETWORK LAYER, THE TRANSPORT LAYER, AND THE APPLICATION LAYER

INVESTIGATES MULTIPLE ACCESS SCHEMES AND LOCAL AREA NETWORKS WITH COVERAGE OF SERVICES FOR THE PHYSICAL LAYER AND THE DATA LINK LAYER DESCRIBES MOBILE COMMUNICATION NETWORKS AND CRITICAL ISSUES IN NETWORK SECURITY INCLUDES PROBLEM SETS IN EACH CHAPTER TO TEST AND FINE-TUNE READERS' UNDERSTANDING FUNDAMENTALS OF DATA COMMUNICATION NETWORKS IS A MUST-READ FOR ADVANCED UNDERGRADUATES AND GRADUATE STUDENTS IN ELECTRICAL AND COMPUTER ENGINEERING. IT IS ALSO A VALUABLE WORKING RESOURCE FOR RESEARCHERS, ELECTRICAL ENGINEERS, AND TECHNICAL PROFESSIONALS.

INTRODUCTION TO CRYPTOGRAPHY AND NETWORK SECURITY
- BEHROUZ A. FOROUZAN 2008

IN THIS NEW FIRST EDITION, WELL-KNOWN AUTHOR BEHROUZ FOROUZAN USES HIS ACCESSIBLE WRITING STYLE AND VISUAL APPROACH TO SIMPLIFY THE DIFFICULT CONCEPTS OF CRYPTOGRAPHY AND NETWORK SECURITY. WHILE MANY SECURITY BOOKS ASSUME KNOWLEDGE OF NUMBER THEORY AND ADVANCED MATH, OR PRESENT MAINLY THEORETICAL IDEAS, FOROUZAN PRESENTS DIFFICULT SECURITY TOPICS FROM THE GROUND UP. A GENTLE INTRODUCTION TO THE FUNDAMENTALS OF NUMBER THEORY IS PROVIDED IN THE OPENING CHAPTERS, PAVING THE WAY FOR THE STUDENT TO MOVE ON TO MORE COMPLEX SECURITY AND CRYPTOGRAPHY TOPICS. DIFFICULT MATH CONCEPTS ARE ORGANIZED IN APPENDICES AT THE END OF EACH CHAPTER SO THAT

STUDENTS CAN FIRST LEARN THE PRINCIPLES, THEN APPLY THE TECHNICAL BACKGROUND. HUNDREDS OF EXAMPLES, AS WELL AS FULLY CODED PROGRAMS, ROUND OUT A PRACTICAL, HANDS-ON APPROACH WHICH ENCOURAGES STUDENTS TO TEST THE MATERIAL THEY ARE LEARNING.

C# IN DEPTH - JONATHAN SKEET 2019-03-07

EFFECTIVE TECHNIQUES AND EXPERIENCED INSIGHTS TO MAXIMIZE YOUR C# 6 AND 7 PROGRAMMING SKILLS KEY FEATURES WRITTEN BY C# LEGEND AND TOP STACKOVERFLOW CONTRIBUTOR JON SKEET UNLOCK THE NEW FEATURES OF C# 6 AND 7 INSIGHTS ON THE FUTURE OF THE C# LANGUAGE MASTER ASYNCHRONOUS FUNCTIONS, INTERPOLATED STRINGS, TUPLES, AND MORE PURCHASE OF THE PRINT BOOK INCLUDES A FREE eBook IN PDF, KINDLE, AND EPUB FORMATS FROM MANNING PUBLICATIONS. "AN EXCELLENT OVERVIEW OF C# WITH HELPFUL AND REALISTIC EXAMPLES THAT MAKE LEARNING THE NEWEST FEATURES OF C# EASY." —MEREDITH GODAR ABOUT THE BOOK C# IS THE FOUNDATION OF .NET DEVELOPMENT. NEW FEATURES ADDED IN C# 6 AND 7 MAKE IT EASIER TO TAKE ON BIG DATA APPLICATIONS, CLOUD-CENTRIC WEB DEVELOPMENT, AND CROSS-PLATFORM SOFTWARE USING .NET CORE. PACKED WITH DEEP INSIGHT FROM C# GURU JON SKEET, THIS BOOK TAKES YOU DEEP INTO CONCEPTS AND FEATURES OTHER C# BOOKS IGNORE. C# IN DEPTH, FOURTH EDITION IS AN AUTHORITATIVE AND ENGAGING GUIDE THAT REVEALS THE

FULL POTENTIAL OF THE LANGUAGE, INCLUDING THE NEW FEATURES OF C# 6 AND 7. IT COMBINES DEEP DIVES INTO THE C# LANGUAGE WITH PRACTICAL TECHNIQUES FOR ENTERPRISE DEVELOPMENT, WEB APPLICATIONS, AND SYSTEMS PROGRAMMING. AS YOU ABSORB THE WISDOM AND TECHNIQUES IN THIS BOOK, YOU'LL WRITE BETTER CODE, AND BECOME AN EXCEPTIONAL TROUBLESHOOTER AND PROBLEM SOLVER. WHAT YOU WILL LEARN COMPREHENSIVE GUIDANCE ON THE NEW FEATURES OF C# 6 AND 7 IMPORTANT LEGACIES AND GREATEST HITS OF C# 2-5 EXPRESSION-BODIED MEMBERS EXTENDED PASS-BY-REFERENCE FUNCTIONALITY WRITING ASYNCHRONOUS C# CODE STRING INTERPOLATION COMPOSITION WITH TUPLES DECOMPOSITION AND PATTERN MATCHING THIS BOOK IS WRITTEN FOR FOR INTERMEDIATE C# DEVELOPERS. ABOUT THE AUTHOR JON SKEET IS A SENIOR SOFTWARE ENGINEER AT GOOGLE. HE STUDIED MATHEMATICS AND COMPUTER SCIENCE AT CAMBRIDGE, IS A RECOGNIZED AUTHORITY IN JAVA AND C#, AND MAINTAINS THE POSITION OF TOP CONTRIBUTOR TO STACK OVERFLOW. TABLE OF CONTENTS 1. SURVIVAL OF THE SHARPEST 2. C# 2 3. C# 3: LINQ AND EVERYTHING THAT COMES WITH IT 4. C# 4: IMPROVING INTEROPERABILITY 5. WRITING ASYNCHRONOUS CODE 6. ASYNC IMPLEMENTATION 7. C# 5 BONUS FEATURES 8. SUPER-SLEEK PROPERTIES AND EXPRESSION-BODIED MEMBERS 9. STRINGY FEATURES 10. A SM? RG? SBORD OF FEATURES FOR CONCISE CODE 11.

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PASS BY REFERENCE 14. CONCISE CODE IN C# 7 15. C# 8
AND BEYOND PART 1 C# IN CONTEXT PART 2 C# 2-5
PART 3 C# 6 PART 4 C# 7 AND BEYOND