

Computer Networks By Tanenbaum 4th Edition

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COMPUTER NETWORKING WITH INTERNET PROTOCOLS AND TECHNOLOGY - WILLIAM STALLINGS 2004

BUILDING ON THE STRENGTH OF HIS TWO OTHER SUCCESSFUL TEXTS, STALLINGS' NEW TEXT PROVIDES A FRESH "TOP DOWN" AND COMPREHENSIVE "TOP DOWN" SURVEY OF THE ENTIRE FIELD OF COMPUTER NETWORKS AND INTERNET TECHNOLOGY-INCLUDING AN UP-TO-DATE REPORT OF LEADING-EDGE TECHNOLOGIES. IT EMPHASIZES BOTH THE FUNDAMENTAL PRINCIPLES AS WELL AS THE CRITICAL ROLE OF PERFORMANCE IN DRIVING PROTOCOL AND NETWORK DESIGN.

THE BASIC THEMES OF PRINCIPLES, DESIGN APPROACHES, AND STANDARDS THROUGHOUT THE TEXT UNIFY THE DISCUSSION.

TCP/IP ILLUSTRATED - KEVIN R. FALL 2011

TCP/IP ILLUSTRATED, VOLUME 1, SECOND EDITION, IS A DETAILED AND VISUAL GUIDE TO TODAY'S TCP/IP PROTOCOL SUITE. FULLY UPDATED FOR THE NEWEST INNOVATIONS, IT DEMONSTRATES EACH PROTOCOL IN ACTION THROUGH REALISTIC EXAMPLES FROM MODERN LINUX, WINDOWS, AND MAC OS ENVIRONMENTS. THERE'S NO BETTER WAY TO DISCOVER WHY TCP/IP WORKS AS IT DOES, HOW IT REACTS TO COMMON CONDITIONS, AND HOW TO APPLY IT IN YOUR OWN APPLICATIONS AND NETWORKS. BUILDING ON THE LATE W. RICHARD STEVENS' CLASSIC FIRST EDITION, AUTHOR KEVIN R. FALL ADDS HIS CUTTING-EDGE EXPERIENCE AS A LEADER IN TCP/IP PROTOCOL RESEARCH, UPDATING THE BOOK TO FULLY REFLECT THE LATEST PROTOCOLS AND BEST PRACTICES.

COMPUTER ORGANIZATION AND DESIGN - DAVID A. PATTERSON 2011-10-26

"PRESENTS THE FUNDAMENTALS OF HARDWARE TECHNOLOGIES, ASSEMBLY LANGUAGE, COMPUTER ARITHMETIC, PIPELINING, MEMORY HIERARCHIES AND I/O"--

COMPUTER NETWORKS - ANDREW S. TANENBAUM 2019-02

COMPUTER NETWORKS - BEHROUZ A. FOROUZAN 2011

COMPUTER NETWORKS - ANDREW S. TANENBAUM 2003

DETAILS DESCRIPTIONS OF THE PRINCIPLES ASSOCIATED WITH EACH LAYER AND PRESENTS MANY EXAMPLES DRAWN THE

INTERNET AND WIRELESS NETWORKS.

MODERN OPERATING SYSTEMS - ANDREW S. TANENBAUM 2015

MODERN OPERATING SYSTEMS IS INTENDED FOR INTRODUCTORY COURSES IN OPERATING SYSTEMS IN COMPUTER SCIENCE, COMPUTER ENGINEERING, AND ELECTRICAL ENGINEERING PROGRAMS.

STRUCTURED COMPUTER ORGANIZATION - 1996

MODERN COMPILER DESIGN - DICK GRUNE 2012-07-20

"MODERN COMPILER DESIGN" MAKES THE TOPIC OF COMPILER DESIGN MORE ACCESSIBLE BY FOCUSING ON PRINCIPLES AND TECHNIQUES OF WIDE APPLICATION. BY CAREFULLY DISTINGUISHING BETWEEN THE ESSENTIAL (MATERIAL THAT HAS A HIGH CHANCE OF BEING USEFUL) AND THE INCIDENTAL (MATERIAL THAT WILL BE OF BENEFIT ONLY IN EXCEPTIONAL CASES) MUCH USEFUL INFORMATION WAS PACKED IN THIS COMPREHENSIVE VOLUME. THE STUDENT WHO HAS FINISHED THIS BOOK CAN EXPECT TO UNDERSTAND THE WORKINGS OF AND ADD TO A LANGUAGE PROCESSOR FOR EACH OF THE MODERN PARADIGMS, AND BE ABLE TO READ THE LITERATURE ON HOW TO PROCEED. THE FIRST PROVIDES A FIRM BASIS, THE SECOND POTENTIAL FOR GROWTH.

DATA COMMUNICATIONS AND NETWORKING - BEHROUZ A. FOROUZAN 2001-07

COMPUTER NETWORKING: A TOP-DOWN APPROACH FEATURING THE INTERNET, 3/E - JAMES F. KUROSE 2005

INTRODUCTION TO COMPUTER SECURITY - MICHAEL GOODRICH 2014-02-10

INTRODUCTION TO COMPUTER SECURITY IS APPROPRIATE FOR USE IN COMPUTER-SECURITY COURSES THAT ARE TAUGHT AT THE UNDERGRADUATE LEVEL AND THAT HAVE AS THEIR SOLE PREREQUISITES AN INTRODUCTORY COMPUTER SCIENCE SEQUENCE. IT IS ALSO SUITABLE FOR ANYONE INTERESTED IN A VERY ACCESSIBLE INTRODUCTION TO COMPUTER SECURITY. A COMPUTER SECURITY TEXTBOOK FOR A NEW GENERATION OF IT PROFESSIONALS UNLIKE MOST

OTHER COMPUTER SECURITY TEXTBOOKS AVAILABLE TODAY, INTRODUCTION TO COMPUTER SECURITY, DOES NOT FOCUS ON THE MATHEMATICAL AND COMPUTATIONAL FOUNDATIONS OF SECURITY, AND IT DOES NOT ASSUME AN EXTENSIVE BACKGROUND IN COMPUTER SCIENCE. INSTEAD IT LOOKS AT THE SYSTEMS, TECHNOLOGY, MANAGEMENT, AND POLICY SIDE OF SECURITY, AND OFFERS STUDENTS FUNDAMENTAL SECURITY CONCEPTS AND A WORKING KNOWLEDGE OF THREATS AND COUNTERMEASURES WITH "JUST-ENOUGH" BACKGROUND IN COMPUTER SCIENCE. THE RESULT IS A PRESENTATION OF THE MATERIAL THAT IS ACCESSIBLE TO STUDENTS OF ALL LEVELS. TEACHING AND LEARNING EXPERIENCE THIS PROGRAM WILL PROVIDE A BETTER TEACHING AND LEARNING EXPERIENCE FOR YOU AND YOUR STUDENTS. IT WILL HELP: PROVIDE AN ACCESSIBLE INTRODUCTION TO THE GENERAL-KNOWLEDGE READER: ONLY BASIC PREREQUISITE KNOWLEDGE IN COMPUTING IS REQUIRED TO USE THIS BOOK. TEACH GENERAL PRINCIPLES OF COMPUTER SECURITY FROM AN APPLIED VIEWPOINT: AS SPECIFIC COMPUTER SECURITY TOPICS ARE COVERED, THE MATERIAL ON COMPUTING FUNDAMENTALS NEEDED TO UNDERSTAND THESE TOPICS IS SUPPLIED. PREPARE STUDENTS FOR CAREERS IN A VARIETY OF FIELDS: A PRACTICAL INTRODUCTION ENCOURAGES STUDENTS TO THINK ABOUT SECURITY OF SOFTWARE APPLICATIONS EARLY. ENGAGE STUDENTS WITH CREATIVE, HANDS-ON PROJECTS: AN EXCELLENT COLLECTION OF PROGRAMMING PROJECTS STIMULATE THE STUDENT'S CREATIVITY BY CHALLENGING THEM TO EITHER BREAK SECURITY OR PROTECT A SYSTEM AGAINST ATTACKS. ENHANCE LEARNING WITH INSTRUCTOR AND STUDENT SUPPLEMENTS: RESOURCES ARE AVAILABLE TO EXPAND ON THE TOPICS PRESENTED IN THE TEXT.

COMPUTER NETWORKS - ANDREW S. TANENBAUM 2003

CAMPBELL BIOLOGY, BOOKS A LA CARTE EDITION - LISA A. URRY 2016-10-27

NOTE: THIS EDITION FEATURES THE SAME CONTENT AS THE TRADITIONAL TEXT IN A CONVENIENT, THREE-HOLE-PUNCHED, LOOSE-LEAF VERSION. BOOKS A LA CARTE ALSO OFFER A GREAT VALUE--THIS FORMAT COSTS SIGNIFICANTLY LESS THAN A NEW TEXTBOOK. THE ELEVENTH EDITION OF THE BEST-SELLING TEXT CAMPBELL BIOLOGY SETS YOU ON THE PATH TO SUCCESS IN BIOLOGY THROUGH ITS CLEAR AND ENGAGING NARRATIVE, SUPERIOR SKILLS INSTRUCTION, AND INNOVATIVE USE OF ART, PHOTOS, AND FULLY INTEGRATED MEDIA RESOURCES TO ENHANCE TEACHING AND LEARNING. TO ENGAGE YOU IN DEVELOPING A DEEPER UNDERSTANDING OF BIOLOGY, THE ELEVENTH EDITION CHALLENGES YOU TO APPLY KNOWLEDGE AND SKILLS TO A VARIETY OF NEW! HANDS-ON ACTIVITIES AND EXERCISES IN THE TEXT AND ONLINE. NEW! PROBLEM-SOLVING EXERCISES CHALLENGE YOU TO APPLY SCIENTIFIC SKILLS AND INTERPRET DATA IN THE CONTEXT OF SOLVING A REAL-WORLD PROBLEM. NEW! VISUALIZING FIGURES AND VISUAL SKILLS QUESTIONS PROVIDE PRACTICE INTERPRETING AND CREATING VISUAL REPRESENTATIONS IN BIOLOGY. NEW! CONTENT UPDATES THROUGHOUT THE TEXT REFLECT RAPIDLY EVOLVING RESEARCH IN THE FIELDS OF GENOMICS, GENE EDITING TECHNOLOGY (CRISPR), MICROBIOMES, THE IMPACTS OF CLIMATE CHANGE ACROSS THE BIOLOGICAL HIERARCHY, AND MORE. SIGNIFICANT REVISIONS

HAVE BEEN MADE TO UNIT 8, ECOLOGY, INCLUDING A DEEPER INTEGRATION OF EVOLUTIONARY PRINCIPLES. NEW! A VIRTUAL LAYER TO THE PRINT TEXT INCORPORATES MEDIA REFERENCES INTO THE PRINTED TEXT TO DIRECT YOU TOWARDS CONTENT IN THE STUDY AREA AND eTEXT THAT WILL HELP YOU PREPARE FOR CLASS AND SUCCEED IN EXAMS--VIDEOS, ANIMATIONS, GET READY FOR THIS CHAPTER, FIGURE WALKTHROUGHS, VOCABULARY SELF-QUIZZES, PRACTICE TESTS, MP3 TUTORS, AND INTERVIEWS. (COMING SUMMER 2017). NEW! QR CODES AND URLS WITHIN THE CHAPTER REVIEW PROVIDE EASY ACCESS TO VOCABULARY SELF-QUIZZES AND PRACTICE TESTS FOR EACH CHAPTER THAT CAN BE USED ON SMARTPHONES, TABLETS, AND COMPUTERS.

BASICS OF COMPUTER NETWORKING - THOMAS ROBERTAZZI 2011-11-04

SPRINGER BRIEF BASICS OF COMPUTER NETWORKING PROVIDES A NON-MATHEMATICAL INTRODUCTION TO THE WORLD OF NETWORKS. THIS BOOK COVERS BOTH TECHNOLOGY FOR WIRED AND WIRELESS NETWORKS. COVERAGE INCLUDES TRANSMISSION MEDIA, LOCAL AREA NETWORKS, WIDE AREA NETWORKS, AND NETWORK SECURITY. WRITTEN IN A VERY ACCESSIBLE STYLE FOR THE INTERESTED LAYMAN BY THE AUTHOR OF A WIDELY USED TEXTBOOK WITH MANY YEARS OF EXPERIENCE EXPLAINING CONCEPTS TO THE BEGINNER.

COMPUTER NETWORKS - ANDREW S. TANENBAUM 2010-01-09

OPERATING SYSTEMS - ANDREW S. TANENBAUM 1997

THIS IS A PRACTICAL MANUAL ON OPERATING SYSTEMS, WHICH DESCRIBES A SMALL UNIX-LIKE OPERATING SYSTEM, DEMONSTRATING HOW IT WORKS AND ILLUSTRATING THE PRINCIPLES UNDERLYING IT. THE RELEVANT SECTIONS OF THE MINIX SOURCE CODE ARE DESCRIBED IN DETAIL, AND THE BOOK HAS BEEN REVISED TO INCLUDE UPDATES IN MINIX, WHICH INITIALLY STARTED AS A V7 UNIX CLONE FOR A FLOPPY-DISK ONLY 8088. IT IS NOW AIMED AT 386, 486 AND PENTIUM MACHINES, AND IS BASED ON THE INTERNATIONAL POSIX STANDARD INSTEAD OF ON V7. VERSIONS OF MINIX ARE NOW ALSO AVAILABLE FOR THE MACINTOSH AND SPARC.

NETWORK WARRIOR - GARY A. DONAHUE 2011-05-13

PICK UP WHERE CERTIFICATION EXAMS LEAVE OFF. WITH THIS PRACTICAL, IN-DEPTH GUIDE TO THE ENTIRE NETWORK INFRASTRUCTURE, YOU'LL LEARN HOW TO DEAL WITH REAL CISCO NETWORKS, RATHER THAN THE HYPOTHETICAL SITUATIONS PRESENTED ON EXAMS LIKE THE CCNA. NETWORK WARRIOR TAKES YOU STEP BY STEP THROUGH THE WORLD OF ROUTERS, SWITCHES, FIREWALLS, AND OTHER TECHNOLOGIES BASED ON THE AUTHOR'S EXTENSIVE FIELD EXPERIENCE. YOU'LL FIND NEW CONTENT FOR MPLS, IPV6, VOIP, AND WIRELESS IN THIS COMPLETELY REVISED SECOND EDITION, ALONG WITH EXAMPLES OF CISCO NEXUS 5000 AND 7000 SWITCHES THROUGHOUT. TOPICS INCLUDE: AN IN-DEPTH VIEW OF ROUTERS AND ROUTING SWITCHING, USING CISCO CATALYST AND NEXUS SWITCHES AS EXAMPLES SOHO VOIP AND SOHO WIRELESS ACCESS POINT DESIGN AND CONFIGURATION INTRODUCTION TO IPV6 WITH CONFIGURATION EXAMPLES TELECOM TECHNOLOGIES IN THE DATA-NETWORKING WORLD, INCLUDING T1, DS3, FRAME

RELAY, AND MPLS SECURITY, FIREWALL THEORY, AND CONFIGURATION, AS WELL AS ACL AND AUTHENTICATION QUALITY OF SERVICE (QoS), WITH AN EMPHASIS ON LOW-LATENCY QUEUEING (LLQ) IP ADDRESS ALLOCATION, NETWORK TIME PROTOCOL (NTP), AND DEVICE FAILURES
COMPUTER COMMUNICATION NETWORKS - ACHYUT S. GODBOLE 2004

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.

PERFORMANCE MODELING AND DESIGN OF COMPUTER SYSTEMS - MOR HARCHOL-BALTER 2013-02-18

WRITTEN WITH COMPUTER SCIENTISTS AND ENGINEERS IN MIND, THIS BOOK BRINGS QUEUEING THEORY DECISIVELY BACK TO COMPUTER SCIENCE.

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.

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.

COMPUTER NETWORKS - LARRY L. PETERSON 2000

NETWORK SECURITY ESSENTIALS: APPLICATIONS AND STANDARDS, 4/E - WILLIAM STALLINGS 2003

THE ARCHITECTURE OF COMPUTER HARDWARE, SYSTEMS SOFTWARE, AND NETWORKING - IRV ENGLANDER
2021-04-06

THE ARCHITECTURE OF COMPUTER HARDWARE, SYSTEMS SOFTWARE AND NETWORKING IS DESIGNED HELP STUDENTS MAJORING IN INFORMATION TECHNOLOGY (IT) AND INFORMATION SYSTEMS (IS) UNDERSTAND THE STRUCTURE AND OPERATION OF COMPUTERS AND COMPUTER-BASED DEVICES. REQUIRING ONLY BASIC COMPUTER SKILLS, THIS ACCESSIBLE TEXTBOOK INTRODUCES THE BASIC PRINCIPLES OF SYSTEM ARCHITECTURE AND EXPLORES CURRENT TECHNOLOGICAL PRACTICES AND TRENDS USING CLEAR, EASY-TO-UNDERSTAND LANGUAGE. THROUGHOUT THE TEXT, NUMEROUS RELATABLE EXAMPLES, SUBJECT-SPECIFIC ILLUSTRATIONS, AND IN-DEPTH CASE STUDIES REINFORCE KEY LEARNING POINTS AND SHOW STUDENTS HOW IMPORTANT CONCEPTS ARE APPLIED IN THE REAL WORLD. THIS FULLY-UPDATED SIXTH EDITION FEATURES A WEALTH OF NEW AND REVISED CONTENT THAT REFLECTS TODAY'S TECHNOLOGICAL LANDSCAPE. ORGANIZED INTO FIVE PARTS, THE BOOK FIRST EXPLAINS THE ROLE OF THE COMPUTER IN INFORMATION SYSTEMS AND PROVIDES AN OVERVIEW OF ITS COMPONENTS. SUBSEQUENT SECTIONS DISCUSS THE REPRESENTATION OF DATA IN THE COMPUTER, HARDWARE ARCHITECTURE AND OPERATIONAL CONCEPTS, THE BASICS OF COMPUTER NETWORKING, SYSTEM SOFTWARE AND OPERATING SYSTEMS, AND VARIOUS INTERCONNECTED SYSTEMS AND COMPONENTS. STUDENTS ARE INTRODUCED TO THE MATERIAL USING IDEAS ALREADY FAMILIAR TO THEM, ALLOWING THEM TO GRADUALLY BUILD UPON WHAT THEY HAVE LEARNED WITHOUT BEING OVERWHELMED AND DEVELOP A DEEPER KNOWLEDGE OF COMPUTER ARCHITECTURE.

COMPUTER NETWORKS - ANDREW S. TANENBAUM 1996
COMPUTER NETWORKS IS THE IDEAL INTRODUCTION TO TODAY'S AND TOMORROW'S NETWORKS. THIS CLASSIC BEST-SELLER HAS BEEN TOTALLY REWRITTEN TO REFLECT THE NETWORKS OF THE LATE 1990S AND BEYOND. AUTHOR, EDUCATOR, AND RESEARCHER ANDREW S. TANENBAUM, WINNER OF THE ACM KARL V. KARLSTROM OUTSTANDING EDUCATOR AWARD, CAREFULLY EXPLAINS HOW NETWORKS WORK INSIDE, FROM THE HARDWARE TECHNOLOGY UP THROUGH THE MOST POPULAR NETWORK APPLICATIONS. THE BOOK TAKES A STRUCTURED APPROACH TO NETWORKING, STARTING AT THE BOTTOM (THE PHYSICAL LAYER) AND GRADUALLY WORKING UP TO THE TOP (THE APPLICATION LAYER). THE TOPICS COVERED INCLUDE: *PHYSICAL LAYER (E.G., COPPER, FIBER, RADIO, AND SATELLITE COMMUNICATION) *DATA LINK LAYER (E.G., PROTOCOL PRINCIPLES, HDLC, SLIP, AND PPP) *MAC SUBLAYER (E.G., IEEE 802 LANs, BRIDGES, NEW HIGH-SPEED LANs) *NETWORK LAYER (E.G., ROUTING, CONGESTION CONTROL, INTERNETWORKING, IPv6)

*TRANSPORT LAYER (E.G., TRANSPORT PROTOCOL PRINCIPLES, TCP, NETWORK PERFORMANCE) *APPLICATION LAYER (E.G., CRYPTOGRAPHY, EMAIL, NEWS, THE WEB, JAVA, MULTIMEDIA) IN EACH CHAPTER, THE NECESSARY PRINCIPLES ARE DESCRIBED IN DETAIL, FOLLOWED BY EXTENSIVE EXAMPLES TAKEN FROM THE INTERNET, ATM NETWORKS, AND WIRELES
JAVA NETWORK PROGRAMMING - ELLIOTTE RUSTY HAROLD 2000

A GUIDE TO DEVELOPING NETWORK PROGRAMS COVERS NETWORKING FUNDAMENTALS AS WELL AS TCP AND UDP SOCKETS, MULTICASTING PROTOCOL, CONTENT HANDLERS, SERVLETS, I/O, PARSING, JAVA MAIL API, AND JAVA SECURE SOCKETS EXTENSION.

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
COMPUTER ORGANIZATION & ARCHITECTURE 7E - STALLINGS 2008-02

DISTRIBUTED SYSTEMS - ANDREW S. TANENBAUM 2016
THIS SECOND EDITION OF DISTRIBUTED SYSTEMS, PRINCIPLES & PARADIGMS, COVERS THE PRINCIPLES, ADVANCED CONCEPTS, AND TECHNOLOGIES OF DISTRIBUTED SYSTEMS IN DETAIL, INCLUDING: COMMUNICATION, REPLICATION, FAULT TOLERANCE, AND SECURITY. INTENDED FOR USE IN A SENIOR/GRADUATE LEVEL DISTRIBUTED SYSTEMS COURSE OR BY PROFESSIONALS, THIS TEXT SYSTEMATICALLY SHOWS HOW DISTRIBUTED SYSTEMS ARE DESIGNED AND IMPLEMENTED IN REAL SYSTEMS.

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.

DISTRIBUTED SYSTEMS - MAARTEN VAN STEEN 2017-02
FOR THIS THIRD EDITION OF -DISTRIBUTED SYSTEMS, - THE MATERIAL HAS BEEN THOROUGHLY REVISED AND EXTENDED, INTEGRATING PRINCIPLES AND PARADIGMS INTO NINE CHAPTERS: 1. INTRODUCTION 2. ARCHITECTURES 3. PROCESSES 4. COMMUNICATION 5. NAMING 6. COORDINATION 7. REPLICATION 8. FAULT TOLERANCE 9. SECURITY A SEPARATION HAS BEEN MADE BETWEEN BASIC MATERIAL AND MORE SPECIFIC SUBJECTS. THE LATTER HAVE BEEN ORGANIZED INTO BOXED SECTIONS, WHICH MAY BE SKIPPED ON FIRST READING. TO ASSIST IN UNDERSTANDING THE MORE ALGORITHMIC PARTS, EXAMPLE PROGRAMS IN PYTHON HAVE BEEN INCLUDED. THE EXAMPLES IN THE BOOK LEAVE OUT MANY DETAILS FOR READABILITY, BUT THE COMPLETE CODE IS AVAILABLE THROUGH THE BOOK'S WEBSITE, HOSTED AT WWW.DISTRIBUTED-SYSTEMS.NET. A PERSONALIZED DIGITAL COPY OF THE BOOK IS AVAILABLE FOR FREE, AS WELL AS A PRINTED VERSION THROUGH AMAZON.COM.

EXAM/CRAM 70-291 - DIANA HUGGINS 2006
THIS SECOND EDITION IS THE #1 QUICK-STUDY GUIDE TO PASSING THE MCSA/MCSE 70-291 EXAM, COVERING ALL EXAM OBJECTIVES, INCLUDING HOW TO MAINTAIN A DHCP SERVER, MANAGE NAME RESOLUTION WITH DNS, SECURE NETWORKS USING IPSEC, TROUBLESHOOT NETWORK AND INTERNET CONNECTIVITY, AND MONITOR NETWORK TRAFFIC.

INCLUDES TWO FULL PRACTICE EXAMS.

COMPUTER NETWORKING AND THE INTERNET - FRED HALSALL
2006-09

INTRODUCING DATA COMMUNICATIONS AND COMPUTER NETWORKS, THIS REVISED AND UPDATED EDITION TAKES ACCOUNT OF DEVELOPMENTS IN THE AREA. COVERAGE INCLUDES ESSENTIAL THEORY ASSOCIATED WITH DIGITAL TRANSMISSION, INTERFACE STANDARDS, DATA COMPRESSION AND ERROR DETECTION METHODS.

TOOLS FOR TEACHING COMPUTER NETWORKING AND HARDWARE CONCEPTS - SARKAR, NURUL 2006-02-28

"THIS BOOK OFFERS CONCEPTS OF THE TEACHING AND LEARNING OF COMPUTER NETWORKING AND HARDWARE BY OFFERING FUNDAMENTAL THEORETICAL CONCEPTS ILLUSTRATED WITH THE USE OF INTERACTIVE PRACTICAL EXERCISES"-- PROVIDED BY PUBLISHER.

MODERN OPERATING SYSTEMS - ANDREW S. TANENBAUM
2001

THE WIDELY ANTICIPATED REVISION OF THIS WORLDWIDE BEST SELLER INCORPORATES THE LATEST DEVELOPMENTS IN OPERATING SYSTEMS TECHNOLOGIES. HUNDREDS OF PAGES OF NEW MATERIAL ON A WEALTH OF SUBJECTS HAVE BEEN ADDED. THIS AUTHORITATIVE, EXAMPLE-BASED REFERENCE OFFERS PRACTICAL, HANDS-ON INFORMATION IN CONSTRUCTING AND UNDERSTANDING MODERN OPERATING SYSTEMS. CONTINUED IN THIS SECOND EDITION ARE THE "BIG PICTURE" CONCEPTS, PRESENTED IN THE CLEAR AND ENTERTAINING STYLE THAT ONLY ANDREW S. TANENBAUM CAN PROVIDE. TANENBAUM'S LONG EXPERIENCE AS THE DESIGNER OR CO-DESIGNER OF THREE OPERATING SYSTEMS BRINGS A KNOWLEDGE OF THE SUBJECT AND WEALTH OF PRACTICAL DETAIL THAT FEW OTHER BOOKS CAN MATCH. FEATURES\ NEW--NEW CHAPTERS ON COMPUTER SECURITY, MULTIMEDIA OPERATING SYSTEMS, AND MULTIPLE PROCESSOR SYSTEMS. NEW--EXTENSIVE COVERAGE

OF LINUX, UNIX(R), AND WINDOWS 2000(TM) AS EXAMPLES. NEW--NOW INCLUDES COVERAGE OF GRAPHICAL USER INTERFACES, MULTIPROCESSOR OPERATING SYSTEMS, TRUSTED SYSTEMS, VIRUSES, NETWORK TERMINALS, CD-ROM FILE SYSTEMS, PROBLEM MANAGEMENT ON LAPTOPS, RAID, SOFT TIMERS, STABLE STORAGE, FAIR-SHARE SCHEDULING, THREE-LEVEL SCHEDULING, AND NEW PAGING ALGORITHMS. NEW--MOST CHAPTERS HAVE A NEW SECTION ON CURRENT RESEARCH ON THE CHAPTER'S TOPIC. NEW--FOCUS ON "SINGLE-PROCESSOR" COMPUTER SYSTEMS; A NEW BOOK FOR A FOLLOW-UP COURSE ON DISTRIBUTED SYSTEMS IS ALSO AVAILABLE FROM PRENTICE HALL. NEW--OVER 200 REFERENCES TO BOOKS AND PAPERS PUBLISHED SINCE THE FIRST EDITION. NEW--THE WEB SITE FOR THIS BOOK CONTAINS POWERPOINT SLIDES, SIMULATORS, FIGURES IN VARIOUS FORMATS, AND OTHER TEACHING AIDS.

MODERN OPERATING SYSTEMS - ANDREW S. TANENBAUM
2013

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- AARON M.. TANENBAUM

2003

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