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KALI LINUX COOKBOOK - SECOND EDITION - WILLIE PRITCHETT 2016-05-31

KALI LINUX IS AN OPEN SOURCE LINUX DISTRIBUTION FOR SECURITY, DIGITAL FORENSICS, AND PENETRATION TESTING TOOLS, AND IS NOW AN OPERATING SYSTEM FOR LINUX USERS. IT IS THE SUCCESSOR TO BACKTRACK, THE WORLD'S MOST POPULAR PENETRATION TESTING DISTRIBUTION TOOL. IN THIS AGE, WHERE ONLINE INFORMATION IS AT ITS MOST VULNERABLE, KNOWING HOW TO EXECUTE PENETRATION TESTING TECHNIQUES SUCH AS WIRELESS AND PASSWORD ATTACKS, WHICH HACKERS USE TO BREAK INTO YOUR SYSTEM OR NETWORK, HELP YOU PLUG LOOPHOLES BEFORE IT'S TOO LATE AND CAN SAVE YOU COUNTLESS HOURS AND MONEY. KALI LINUX COOKBOOK, SECOND EDITION IS AN INVALUABLE GUIDE, TEACHING YOU HOW TO INSTALL KALI LINUX AND SET UP A VIRTUAL ENVIRONMENT TO PERFORM YOUR TESTS. YOU WILL LEARN HOW TO EAVESDROP AND INTERCEPT TRAFFIC ON WIRELESS NETWORKS, BYPASS INTRUSION DETECTION SYSTEMS, ATTACK WEB APPLICATIONS, CHECK FOR OPEN PORTS, AND PERFORM DATA FORENSICS. THIS BOOK FOLLOWS THE LOGICAL APPROACH OF A PENETRATION TEST FROM START TO FINISH WITH MANY SCREENSHOTS AND ILLUSTRATIONS THAT HELP TO EXPLAIN EACH TOOL IN DETAIL. THIS BOOK SERVES AS AN EXCELLENT SOURCE OF INFORMATION FOR SECURITY PROFESSIONALS AND NOVICES ALIKE.

COMPUTER SECURITY AND PENETRATION TESTING - ALFRED BASTA 2013-08-15

DELIVERING UP-TO-THE-MINUTE COVERAGE, **COMPUTER SECURITY AND PENETRATION TESTING, SECOND EDITION** OFFERS READERS OF ALL BACKGROUNDS AND EXPERIENCE LEVELS A WELL-RESEARCHED AND ENGAGING INTRODUCTION TO THE FASCINATING REALM OF NETWORK SECURITY. SPOTLIGHTING THE LATEST THREATS AND VULNERABILITIES, THIS CUTTING-EDGE TEXT IS PACKED WITH REAL-WORLD EXAMPLES THAT SHOWCASE TODAY'S MOST IMPORTANT AND RELEVANT SECURITY TOPICS. IT ADDRESSES HOW AND WHY PEOPLE ATTACK COMPUTERS AND NETWORKS--EQUIPPING READERS WITH THE KNOWLEDGE AND TECHNIQUES TO SUCCESSFULLY COMBAT HACKERS. THIS EDITION ALSO INCLUDES NEW EMPHASIS ON ETHICS AND LEGAL ISSUES. THE WORLD OF INFORMATION SECURITY IS CHANGING EVERY DAY - READERS ARE PROVIDED WITH A CLEAR DIFFERENTIATION BETWEEN HACKING MYTHS AND HACKING FACTS. STRAIGHTFORWARD IN ITS APPROACH, THIS COMPREHENSIVE RESOURCE TEACHES THE SKILLS NEEDED TO GO FROM HOPING A SYSTEM IS SECURE TO KNOWING THAT IT IS. IMPORTANT NOTICE: MEDIA CONTENT REFERENCED WITHIN THE PRODUCT DESCRIPTION OR THE PRODUCT TEXT MAY NOT BE AVAILABLE IN THE EBOOK VERSION.

BIOMETRICS IN IDENTITY MANAGEMENT - SHIMON K. MODI 2011

IN TODAY'S DIGITAL INFRASTRUCTURE WE HAVE TO INTERACT WITH AN INCREASING NUMBER OF SYSTEMS, BOTH IN THE PHYSICAL AND VIRTUAL WORLD. IDENTITY MANAGEMENT (IDM) -- THE PROCESS OF IDENTIFYING AN INDIVIDUAL AND CONTROLLING ACCESS TO RESOURCES BASED ON THEIR ASSOCIATED PRIVILEGES -- IS BECOMING PROGRESSIVELY COMPLEX. THIS HAS BROUGHT THE SPOTLIGHT ON THE IMPORTANCE OF EFFECTIVE AND EFFICIENT MEANS OF ASCERTAINING AN INDIVIDUAL'S IDENTITY. BIOMETRIC TECHNOLOGIES LIKE FINGERPRINT RECOGNITION, FACE RECOGNITION, IRIS RECOGNITION ETC. HAVE A LONG HISTORY OF USE IN LAW ENFORCEMENT APPLICATIONS AND ARE NOW TRANSITIONING TOWARDS COMMERCIAL APPLICATIONS LIKE PASSWORD REPLACEMENTS, ATM AUTHENTICATION AND OTHERS. THIS UNIQUE BOOK PROVIDES YOU WITH COMPREHENSIVE COVERAGE OF COMMERCIALLY AVAILABLE BIOMETRIC TECHNOLOGIES, THEIR UNDERLYING PRINCIPLES, OPERATIONAL CHALLENGES AND BENEFITS, AND DEPLOYMENT CONSIDERATIONS. IT ALSO OFFERS A LOOK AT THE FUTURE DIRECTION THESE TECHNOLOGIES ARE TAKING. BY FOCUSING ON FACTORS THAT DRIVE THE PRACTICAL IMPLEMENTATION OF BIOMETRIC TECHNOLOGIES, THIS BOOK SERVES TO BRIDGE THE GAP BETWEEN ACADEMIC RESEARCHERS AND INDUSTRY PRACTITIONERS. THIS BOOK FOCUSES ON DESIGN, DEVELOPMENT, AND DEPLOYMENT ISSUES RELATED TO BIOMETRIC TECHNOLOGIES, INCLUDING OPERATIONAL CHALLENGES, INTEGRATION STRATEGIES, TECHNICAL EVALUATIONS OF BIOMETRIC SYSTEMS, STANDARDIZATION AND PRIVACY PRESERVING PRINCIPLES, AND SEVERAL OPEN QUESTIONS WHICH NEED TO BE ANSWERED FOR SUCCESSFUL DEPLOYMENTS."

COMPUTER SECURITY - WILLIAM STALLINGS 2012

COMPUTER SECURITY: PRINCIPLES AND PRACTICE, 2E, IS IDEAL FOR COURSES IN COMPUTER/NETWORK SECURITY. IN RECENT YEARS, THE NEED FOR EDUCATION IN COMPUTER SECURITY AND RELATED TOPICS HAS GROWN DRAMATICALLY - AND IS ESSENTIAL FOR ANYONE STUDYING COMPUTER SCIENCE OR COMPUTER ENGINEERING. THIS IS THE ONLY TEXT AVAILABLE TO PROVIDE INTEGRATED, COMPREHENSIVE, UP-TO-DATE COVERAGE OF THE BROAD RANGE OF TOPICS IN THIS SUBJECT. IN ADDITION TO AN EXTENSIVE PEDAGOGICAL PROGRAM, THE BOOK PROVIDES UNPARALLELED SUPPORT FOR BOTH RESEARCH AND MODELING PROJECTS, GIVING STUDENTS A BROADER PERSPECTIVE. THE TEXT AND ACADEMIC AUTHORS ASSOCIATION NAMED COMPUTER SECURITY: PRINCIPLES AND PRACTICE, 1E, THE WINNER OF THE TEXTBOOK EXCELLENCE AWARD FOR THE BEST COMPUTER SCIENCE TEXTBOOK OF 2008.

HANDBOOK OF RESEARCH ON ICTs FOR HUMAN-CENTERED HEALTHCARE AND SOCIAL CARE SERVICES - CRUZ-CUNHA, MARIA MANUELA 2013-04-30

IN ADDITION TO CREATING THE OPPORTUNITY FOR COLLABORATION, TRANSFORMATION, AND INNOVATION IN THE HEALTHCARE INDUSTRY,

TECHNOLOGY PLAYS AN ESSENTIAL ROLE IN THE DEVELOPMENT OF HUMAN WELL-BEING AND PSYCHOLOGICAL GROWTH. HANDBOOK OF RESEARCH ON ICTs FOR HUMAN-CENTERED HEALTHCARE AND SOCIAL SERVICES IS A COMPREHENSIVE COLLECTION OF RELEVANT RESEARCH ON TECHNOLOGY AND ITS DEVELOPMENTS OF ICTs IN HEALTHCARE AND SOCIAL SERVICES. THIS BOOK FOCUSES ON THE EMERGING TRENDS IN THE SOCIAL AND HEALTHCARE SECTORS SUCH AS SOCIAL NETWORKS, SECURITY OF ICTs, AND ADVISORY SERVICES, BENEFICIAL TO RESEARCHERS, SCHOLARS, STUDENTS, AND PRACTITIONERS TO FURTHER THEIR INTEREST IN TECHNOLOGICAL ADVANCEMENTS.

GUIDE TO NETWORK DEFENSE AND COUNTERMEASURES - RANDY WEAVER 2013-01-01

GUIDE TO NETWORK DEFENSE AND COUNTERMEASURES PROVIDES A THOROUGH GUIDE TO PERIMETER DEFENSE FUNDAMENTALS, INCLUDING INTRUSION DETECTION AND FIREWALLS. THIS TRUSTED TEXT ALSO COVERS MORE ADVANCED TOPICS SUCH AS SECURITY POLICIES, NETWORK ADDRESS TRANSLATION (NAT), PACKET FILTERING AND ANALYSIS, PROXY SERVERS, VIRTUAL PRIVATE NETWORKS (VPN), AND NETWORK TRAFFIC SIGNATURES. THOROUGHLY UPDATED, THE NEW THIRD EDITION REFLECTS THE LATEST TECHNOLOGY, TRENDS, AND TECHNIQUES INCLUDING VIRTUALIZATION, VMWARE, IPV6, AND ICMPV6 STRUCTURE, MAKING IT EASIER FOR CURRENT AND ASPIRING PROFESSIONALS TO STAY ON THE CUTTING EDGE AND ONE STEP AHEAD OF POTENTIAL SECURITY THREATS. A CLEAR WRITING STYLE AND NUMEROUS SCREENSHOTS AND ILLUSTRATIONS MAKE EVEN COMPLEX TECHNICAL MATERIAL EASIER TO UNDERSTAND, WHILE TIPS, ACTIVITIES, AND PROJECTS THROUGHOUT THE TEXT ALLOW YOU TO HONE YOUR SKILLS BY APPLYING WHAT YOU LEARN. PERFECT FOR STUDENTS AND PROFESSIONALS ALIKE IN THIS HIGH-DEMAND, FAST-GROWING FIELD, **GUIDE TO NETWORK DEFENSE AND COUNTERMEASURES, THIRD EDITION**, IS A MUST-HAVE RESOURCE FOR SUCCESS AS A NETWORK SECURITY PROFESSIONAL. IMPORTANT NOTICE: MEDIA CONTENT REFERENCED WITHIN THE PRODUCT DESCRIPTION OR THE PRODUCT TEXT MAY NOT BE AVAILABLE IN THE EBOOK VERSION.

STRATEGIC CYBER SECURITY - KENNETH GEERS 2011

WIRELESS NETWORK SECURITY - YANG XIAO 2007-12-29

THIS BOOK IDENTIFIES VULNERABILITIES IN THE PHYSICAL LAYER, THE MAC LAYER, THE IP LAYER, THE TRANSPORT LAYER, AND THE APPLICATION LAYER, OF WIRELESS NETWORKS, AND DISCUSSES WAYS TO STRENGTHEN SECURITY MECHANISMS AND SERVICES. TOPICS COVERED INCLUDE INTRUSION DETECTION, SECURE PHY/MAC/ROUTING PROTOCOLS, ATTACKS AND PREVENTION, IMMUNIZATION, KEY MANAGEMENT, SECURE GROUP COMMUNICATIONS AND MULTICAST, SECURE LOCATION SERVICES, MONITORING AND SURVEILLANCE, ANONYMITY, PRIVACY, TRUST ESTABLISHMENT/MANAGEMENT, REDUNDANCY AND SECURITY, AND DEPENDABLE WIRELESS NETWORKING.

HANDS-ON ETHICAL HACKING AND NETWORK DEFENSE - MICHAEL T. SIMPSON 2010-03-17

HANDS-ON ETHICAL HACKING AND NETWORK DEFENSE, SECOND EDITION PROVIDES AN IN-DEPTH UNDERSTANDING OF HOW TO EFFECTIVELY PROTECT COMPUTER NETWORKS. THIS BOOK DESCRIBES THE TOOLS AND PENETRATION TESTING METHODOLOGIES USED BY ETHICAL HACKERS AND PROVIDES A THOROUGH DISCUSSION OF WHAT AND WHO AN ETHICAL HACKER IS AND HOW IMPORTANT THEY ARE IN PROTECTING CORPORATE AND GOVERNMENT DATA FROM CYBER ATTACKS. READERS ARE PROVIDED WITH UPDATED COMPUTER SECURITY RESOURCES THAT DESCRIBE NEW VULNERABILITIES AND INNOVATIVE METHODS TO PROTECT NETWORKS. ALSO INCLUDED IS A THOROUGH UPDATE OF FEDERAL AND STATE COMPUTER CRIME LAWS, AS WELL AS CHANGES IN PENALTIES FOR ILLEGAL COMPUTER HACKING. WITH CYBER-TERRORISM AND CORPORATE ESPIONAGE THREATENING THE FIBER OF OUR WORLD, THE NEED FOR TRAINED NETWORK SECURITY PROFESSIONALS CONTINUES TO GROW. **HANDS-ON ETHICAL HACKING AND NETWORK DEFENSE, SECOND EDITION** PROVIDES A STRUCTURED KNOWLEDGE BASE TO PREPARE READERS TO BE SECURITY PROFESSIONALS WHO UNDERSTAND HOW TO PROTECT A NETWORK BY USING THE SKILLS AND TOOLS OF AN ETHICAL HACKER. IMPORTANT NOTICE: MEDIA CONTENT REFERENCED WITHIN THE PRODUCT DESCRIPTION OR THE PRODUCT TEXT MAY NOT BE AVAILABLE IN THE EBOOK VERSION.

SECURE SOFTWARE DEVELOPMENT - JASON GREMBI 2008

LEADS READERS THROUGH THE TASKS AND ACTIVITIES THAT SUCCESSFUL COMPUTER PROGRAMMERS NAVIGATE ON A DAILY BASIS.

MEDICAL MANAGEMENT OF BIOLOGICAL CASUALTIES HANDBOOK - 2004

WIRELESS HACKING 101 - KARINA ASTUDILLO 2017-10-10

WIRELESS HACKING 101 - HOW TO HACK WIRELESS NETWORKS EASILY! THIS BOOK IS PERFECT FOR COMPUTER ENTHUSIASTS THAT WANT TO GAIN EXPERTISE IN THE INTERESTING WORLD OF ETHICAL HACKING AND THAT WISH TO START CONDUCTING WIRELESS PENTESTING. INSIDE YOU WILL FIND STEP-BY-STEP INSTRUCTIONS ABOUT HOW TO EXPLOIT WiFi NETWORKS USING THE TOOLS WITHIN THE KNOWN KALI LINUX DISTRO AS THE FAMOUS AIRCRACK-NG SUITE. TOPICS COVERED: •INTRODUCTION TO WiFi HACKING •WHAT IS

WARDIVING •WIFI HACKING METHODOLOGY •WIFI MAPPING •ATTACKS TO WIFI CLIENTS AND NETWORKS •DEFEATING MAC CONTROL •ATTACKS TO WEP, WPA, AND WPA2 •ATTACKS TO WPS •CREATING ROGUE AP'S •MITM ATTACKS TO WIFI CLIENTS AND DATA CAPTURE •DEFEATING WIFI CLIENTS AND EVADING SSL ENCRYPTION •KIDNAPPING SESSIONS FROM WIFI CLIENTS •DEFENSIVE MECHANISMS **BOTNETS** - GEORGIOS KAMBOURAKIS 2019-09-26

THIS BOOK PROVIDES SOLID, STATE-OF-THE-ART CONTRIBUTIONS FROM BOTH SCIENTISTS AND PRACTITIONERS WORKING ON BOTNET DETECTION AND ANALYSIS, INCLUDING BOTNET ECONOMICS. IT PRESENTS ORIGINAL THEORETICAL AND EMPIRICAL CHAPTERS DEALING WITH BOTH OFFENSIVE AND DEFENSIVE ASPECTS IN THIS FIELD. CHAPTERS ADDRESS FUNDAMENTAL THEORY, CURRENT TRENDS AND TECHNIQUES FOR EVADING DETECTION, AS WELL AS PRACTICAL EXPERIENCES CONCERNING DETECTION AND DEFENSIVE STRATEGIES FOR THE BOTNET ECOSYSTEM, AND INCLUDE SURVEYS, SIMULATIONS, PRACTICAL RESULTS, AND CASE STUDIES.

THE WORLD TODAY: CONCEPTS AND REGIONS IN GEOGRAPHY, 7TH EDITION - JAN NIJMAN 2016-01-11

THE WORLD TODAY IS THE NUMBER ONE BESTSELLING BRIEF WORLD REGIONAL GEOGRAPHY TEXTBOOK. THE SEVENTH EDITION CONTINUES TO BRING READERS GEOGRAPHIC PERSPECTIVES ON A FAST-CHANGING WORLD THROUGH THE REGIONAL VIEW. RESTRUCTURED CHAPTERS PROVIDE A MACRO REVIEW OF IMPORTANT PHYSICAL, CULTURAL, AND POLITICAL CHARACTERISTICS, DRAWING UPON UP-TO-DATE SIGNIFICANT WORLD EVENTS AND CRISES. THE CARTOGRAPHICALLY SUPERIOR MAPS HAVE BEEN UPDATED FOR THE SEVENTH EDITION TO OFFER AN ACCURATE AND VAST PICTURE OF THE WORLD--MULTI-LAYER, INTERACTIVE, GIA MAPS HAVE BEEN ADDED TO WILEYPLUS LEARNING SPACE. TO COMPLEMENT THE EXTENSIVE MAP PROGRAM, THE MAJORITY OF THE PHOTOS HAVE BEEN TAKEN BY OUR AUTHORS DURING THEIR FIELD RESEARCH, ALLOWING THE STUDENT TO EXPERIENCE AN AUTHENTIC GEOGRAPHICAL VIEWPOINT OF OUR WORLD.

MANAGEMENT OF INFORMATION SECURITY - MICHAEL E. WHITMAN 2016-03-22

READERS DISCOVER A MANAGERIALLY-FOCUSED OVERVIEW OF INFORMATION SECURITY WITH A THOROUGH TREATMENT OF HOW TO MOST EFFECTIVELY ADMINISTER IT WITH MANAGEMENT OF INFORMATION SECURITY, 5E. INFORMATION THROUGHOUT HELPS READERS BECOME INFORMATION SECURITY MANAGEMENT PRACTITIONERS ABLE TO SECURE SYSTEMS AND NETWORKS IN A WORLD WHERE CONTINUOUSLY EMERGING THREATS, EVER-PRESENT ATTACKS, AND THE SUCCESS OF CRIMINALS ILLUSTRATE THE WEAKNESSES IN CURRENT INFORMATION TECHNOLOGIES. CURRENT AND FUTURE PROFESSIONAL MANAGERS COMPLETE THIS BOOK WITH THE EXCEPTIONAL BLEND OF SKILLS AND EXPERIENCES TO DEVELOP AND MANAGE THE MORE SECURE COMPUTING ENVIRONMENTS THAT TODAY'S ORGANIZATIONS NEED. THIS EDITION OFFERS A TIGHTENED FOCUS ON KEY EXECUTIVE AND MANAGERIAL ASPECTS OF INFORMATION SECURITY WHILE STILL EMPHASIZING THE IMPORTANT FOUNDATIONAL MATERIAL TO REINFORCE KEY CONCEPTS. UPDATED CONTENT REFLECTS THE MOST RECENT DEVELOPMENTS IN THE FIELD, INCLUDING NIST, ISO, AND SECURITY GOVERNANCE. IMPORTANT NOTICE: MEDIA CONTENT REFERENCED WITHIN THE PRODUCT DESCRIPTION OR THE PRODUCT TEXT MAY NOT BE AVAILABLE IN THE EBOOK VERSION.

REGIONS AND POWERS - BARRY BUZAN 2003-12-04

THIS BOOK DEVELOPS THE IDEA THAT SINCE DECOLONISATION, REGIONAL PATTERNS OF SECURITY HAVE BECOME MORE PROMINENT IN INTERNATIONAL POLITICS. THE AUTHORS COMBINE AN OPERATIONAL THEORY OF REGIONAL SECURITY WITH AN EMPIRICAL APPLICATION ACROSS THE WHOLE OF THE INTERNATIONAL SYSTEM. INDIVIDUAL CHAPTERS COVER AFRICA, THE BALKANS, CIS EUROPE, EAST ASIA, EU EUROPE, THE MIDDLE EAST, NORTH AMERICA, SOUTH AMERICA, AND SOUTH ASIA. THE MAIN FOCUS IS ON THE POST-COLD WAR PERIOD, BUT THE HISTORY OF EACH REGIONAL SECURITY COMPLEX IS TRACED BACK TO ITS BEGINNINGS. BY RELATING THE REGIONAL DYNAMICS OF SECURITY TO CURRENT DEBATES ABOUT THE GLOBAL POWER STRUCTURE, THE AUTHORS UNFOLD A DISTINCTIVE INTERPRETATION OF POST-COLD WAR INTERNATIONAL SECURITY, AVOIDING BOTH THE EXTREME OVERSIMPLIFICATIONS OF THE UNIPOLAR VIEW, AND THE EXTREME DETERRITORIALISATIONS OF MANY GLOBALIST VISIONS OF A NEW WORLD DISORDER. THEIR FRAMEWORK BRINGS OUT THE RADICAL DIVERSITY OF SECURITY DYNAMICS IN DIFFERENT PARTS OF THE WORLD.

INSTRUMENT ENGINEERS' HANDBOOK, VOLUME 3 - BELA G. LIPTAK 2018-10-08

INSTRUMENT ENGINEERS' HANDBOOK - VOLUME 3: PROCESS SOFTWARE AND DIGITAL NETWORKS, FOURTH EDITION IS THE LATEST ADDITION TO AN ENDURING COLLECTION THAT INDUSTRIAL AUTOMATION (AT) PROFESSIONALS OFTEN REFER TO AS THE "BIBLE." FIRST PUBLISHED IN 1970, THE ENTIRE HANDBOOK IS APPROXIMATELY 5,000 PAGES, DESIGNED AS STANDALONE VOLUMES THAT COVER THE MEASUREMENT (VOLUME 1), CONTROL (VOLUME 2), AND SOFTWARE (VOLUME 3) ASPECTS OF AUTOMATION. THIS FOURTH EDITION OF THE THIRD VOLUME PROVIDES AN IN-DEPTH, STATE-OF-THE-ART REVIEW OF CONTROL SOFTWARE PACKAGES USED IN PLANT OPTIMIZATION, CONTROL, MAINTENANCE, AND SAFETY. EACH UPDATED VOLUME OF THIS RENOWNED REFERENCE REQUIRES ABOUT TEN YEARS TO PREPARE, SO REVISED INSTALLMENTS HAVE BEEN ISSUED EVERY DECADE, TAKING INTO ACCOUNT THE NUMEROUS DEVELOPMENTS THAT OCCUR FROM ONE PUBLICATION TO THE NEXT. ASSESSING THE RAPID EVOLUTION OF AUTOMATION AND OPTIMIZATION IN CONTROL SYSTEMS USED IN ALL TYPES OF INDUSTRIAL PLANTS, THIS BOOK DETAILS THE WIRED/WIRELESS COMMUNICATIONS AND SOFTWARE USED. THIS INCLUDES THE EVER-INCREASING NUMBER OF APPLICATIONS FOR INTELLIGENT INSTRUMENTS, ENHANCED NETWORKS, INTERNET USE, VIRTUAL PRIVATE NETWORKS, AND INTEGRATION OF CONTROL SYSTEMS WITH THE MAIN NETWORKS USED BY MANAGEMENT, ALL OF WHICH OPERATE IN A LINKED GLOBAL ENVIRONMENT. TOPICS COVERED INCLUDE: ADVANCES IN NEW DISPLAYS, WHICH HELP OPERATORS TO MORE QUICKLY ASSESS AND RESPOND TO PLANT CONDITIONS SOFTWARE AND NETWORKS THAT HELP MONITOR, CONTROL, AND OPTIMIZE INDUSTRIAL PROCESSES, TO DETERMINE THE EFFICIENCY, ENERGY CONSUMPTION, AND PROFITABILITY OF OPERATIONS STRATEGIES TO COUNTERACT CHANGES IN MARKET CONDITIONS AND ENERGY AND RAW MATERIAL COSTS TECHNIQUES TO FORTIFY THE SAFETY OF PLANT OPERATIONS AND THE SECURITY OF DIGITAL COMMUNICATIONS SYSTEMS THIS VOLUME EXPLORES WHY THE HOLISTIC APPROACH TO INTEGRATING PROCESS AND ENTERPRISE NETWORKS IS CONVENIENT AND EFFICIENT, DESPITE ASSOCIATED PROBLEMS INVOLVING CYBER AND LOCAL NETWORK SECURITY, ENERGY CONSERVATION, AND OTHER ISSUES. IT SHOWS HOW FIREWALLS MUST SEPARATE THE BUSINESS (IT) AND THE OPERATION (AUTOMATION TECHNOLOGY, OR AT) DOMAINS TO GUARANTEE THE SAFE FUNCTION OF ALL INDUSTRIAL PLANTS. THIS BOOK ILLUSTRATES HOW THESE CONCERNS MUST BE ADDRESSED USING EFFECTIVE TECHNICAL SOLUTIONS AND PROPER

MANAGEMENT POLICIES AND PRACTICES. REINFORCING THE FACT THAT ALL INDUSTRIAL CONTROL SYSTEMS ARE, IN GENERAL, CRITICALLY INTERDEPENDENT, THIS HANDBOOK PROVIDES A WIDE RANGE OF SOFTWARE APPLICATION EXAMPLES FROM INDUSTRIES INCLUDING: AUTOMOTIVE, MINING, RENEWABLE ENERGY, STEEL, DAIRY, PHARMACEUTICAL, MINERAL PROCESSING, OIL, GAS, ELECTRIC POWER, UTILITY, AND NUCLEAR POWER.

A GUIDE TO UNDERSTANDING COVERT CHANNEL ANALYSIS OF TRUSTED SYSTEMS - VIRGIL D. GLIGOR 1994

SMALL AND MEDIUM ENTERPRISES - INFORMATION RESOURCES MANAGEMENT ASSOCIATION 2013-04-30

"THIS BOOK PROVIDES A COMPREHENSIVE COLLECTION OF RESEARCH ON CURRENT TECHNOLOGICAL DEVELOPMENTS AND ORGANIZATIONAL PERSPECTIVES ON THE SCALE OF SMALL AND MEDIUM ENTERPRISES"--PROVIDED BY PUBLISHER.

DATA ANALYTICS IN MEDICINE: CONCEPTS, METHODOLOGIES, TOOLS, AND APPLICATIONS - MANAGEMENT ASSOCIATION, INFORMATION RESOURCES 2019-12-06

ADVANCEMENTS IN DATA SCIENCE HAVE CREATED OPPORTUNITIES TO SORT, MANAGE, AND ANALYZE LARGE AMOUNTS OF DATA MORE EFFECTIVELY AND EFFICIENTLY. APPLYING THESE NEW TECHNOLOGIES TO THE HEALTHCARE INDUSTRY, WHICH HAS VAST QUANTITIES OF PATIENT AND MEDICAL DATA AND IS INCREASINGLY BECOMING MORE DATA-RELIANT, IS CRUCIAL FOR REFINING MEDICAL PRACTICES AND PATIENT CARE. DATA ANALYTICS IN MEDICINE: CONCEPTS, METHODOLOGIES, TOOLS, AND APPLICATIONS IS A VITAL REFERENCE SOURCE THAT EXAMINES PRACTICAL APPLICATIONS OF HEALTHCARE ANALYTICS FOR IMPROVED PATIENT CARE, RESOURCE ALLOCATION, AND MEDICAL PERFORMANCE, AS WELL AS FOR DIAGNOSING, PREDICTING, AND IDENTIFYING AT-RISK POPULATIONS. HIGHLIGHTING A RANGE OF TOPICS SUCH AS DATA SECURITY AND PRIVACY, HEALTH INFORMATICS, AND PREDICTIVE ANALYTICS, THIS MULTI-VOLUME BOOK IS IDEALLY DESIGNED FOR DOCTORS, HOSPITAL ADMINISTRATORS, NURSES, MEDICAL PROFESSIONALS, IT SPECIALISTS, COMPUTER ENGINEERS, INFORMATION TECHNOLOGISTS, BIOMEDICAL ENGINEERS, DATA-PROCESSING SPECIALISTS, HEALTHCARE PRACTITIONERS, ACADEMICIANS, AND RESEARCHERS INTERESTED IN CURRENT RESEARCH ON THE CONNECTIONS BETWEEN DATA ANALYTICS IN THE FIELD OF MEDICINE.

DISTRIBUTED NETWORK SYSTEMS - WEIJIA JIA 2006-06-14

BOTH AUTHORS HAVE TAUGHT THE COURSE OF "DISTRIBUTED SYSTEMS" FOR MANY YEARS IN THE RESPECTIVE SCHOOLS. DURING THE TEACHING, WE FEEL STRONGLY THAT "DISTRIBUTED SYSTEMS" HAVE EVOLVED FROM TRADITIONAL "LAN" BASED DISTRIBUTED SYSTEMS TOWARDS "INTERNET BASED" SYSTEMS. ALTHOUGH THERE EXIST MANY EXCELLENT TEXTBOOKS ON THIS TOPIC, BECAUSE OF THE FAST DEVELOPMENT OF DISTRIBUTED SYSTEMS AND NETWORK PROGRAMMING/PROTOCOLS, WE HAVE DIFFICULTY IN FINDING AN APPROPRIATE TEXTBOOK FOR THE COURSE OF "DISTRIBUTED SYSTEMS" WITH ORIENTATION TO THE REQUIREMENT OF THE UNDERGRADUATE LEVEL STUDY FOR TODAY'S DISTRIBUTED TECHNOLOGY. SPECIFICALLY, FROM - TO-DATE CONCEPTS, ALGORITHMS, AND MODELS TO IMPLEMENTATIONS FOR BOTH DISTRIBUTED SYSTEM DESIGNS AND APPLICATION PROGRAMMING. THUS THE PHILOSOPHY BEHIND THIS BOOK IS TO INTEGRATE THE CONCEPTS, ALGORITHM DESIGNS AND IMPLEMENTATIONS OF DISTRIBUTED SYSTEMS BASED ON NETWORK PROGRAMMING. AFTER USING SEVERAL MATERIALS OF OTHER TEXTBOOKS AND RESEARCH BOOKS, WE FOUND THAT MANY TEXTS TREAT THE DISTRIBUTED SYSTEMS WITH SEPARATION OF CONCEPTS, ALGORITHM DESIGN AND NETWORK PROGRAMMING AND IT IS VERY DIFFICULT FOR STUDENTS TO MAP THE CONCEPTS OF DISTRIBUTED SYSTEMS TO THE ALGORITHM DESIGN, PROTOTYPING AND IMPLEMENTATIONS. THIS BOOK INTENDS TO ENABLE READERS, ESPECIALLY POSTGRADUATES AND SENIOR UNDERGRADUATE LEVEL, TO STUDY UP-TO-DATE CONCEPTS, ALGORITHMS AND NETWORK PROGRAMMING SKILLS FOR BUILDING MODERN DISTRIBUTED SYSTEMS. IT ENABLES STUDENTS NOT ONLY TO MASTER THE CONCEPTS OF DISTRIBUTED NETWORK SYSTEM BUT ALSO TO READILY USE THE MATERIAL INTRODUCED INTO IMPLEMENTATION PRACTICES.

SECURE SOFTWARE DESIGN - THEODOR RICHARDSON 2013

NETWORKING & SECURITY.

HANDBOOK OF COMMUNICATIONS SECURITY - F. GARZIA 2013

COMMUNICATIONS REPRESENT A STRATEGIC SECTOR FOR PRIVACY PROTECTION AND FOR PERSONAL, COMPANY, NATIONAL AND INTERNATIONAL SECURITY. THE INTERCEPTION, DAMAGE OR LOST OF INFORMATION DURING COMMUNICATION CAN GENERATE MATERIAL AND NON MATERIAL ECONOMIC DAMAGES FROM BOTH A PERSONAL AND COLLECTIVE POINT OF VIEW. THE PURPOSE OF THIS BOOK IS TO GIVE THE READER INFORMATION RELATING TO ALL ASPECTS OF COMMUNICATIONS SECURITY, BEGINNING AT THE BASE IDEAS AND BUILDING TO REACH THE MOST ADVANCED AND UPDATED CONCEPTS. THE BOOK WILL BE OF INTEREST TO INTEGRATED SYSTEM DESIGNERS, TELECOMMUNICATION DESIGNERS, SYSTEM ENGINEERS, SYSTEM ANALYSTS, SECURITY MANAGERS, TECHNICIANS, INTELLIGENCE PERSONNEL, SECURITY PERSONNEL, POLICE, ARMY, PRIVATE INVESTIGATORS, SCIENTISTS, GRADUATE AND POSTGRADUATE STUDENTS AND ANYONE THAT NEEDS TO COMMUNICATE IN A SECURE WAY.

TRUSTWORTHY COMPUTING - MEHMET SAHINOGLU 2007-07-09

THIS BOOK IS BASED ON THE AUTHOR'S ADVANCED UNDERGRADUATE OR BEGINNING GRADUATE COURSE, COMPUTER SECURITY AND RELIABILITY, WHICH HE HAS BEEN TEACHING FOR THE PAST SIX YEARS. THE AUTHOR TAKES AN INDEX BASED QUANTITATIVE APPROACH TO THE SUBJECT AS OPPOSED TO THE USUAL VERBAL OR QUALITATIVE OR SUBJECTIVE CASE HISTORIES. THE TWC-SOLVER, AVAILABLE ON AN ACCOMPANYING CD-ROM, CONTAINS 10 JAVA-CODED, MAIN APPLICATIONS AND HUNDREDS OF SUBITEMS, AND ASSISTS THE READER IN UNDERSTANDING THE NUMERICAL IMPLEMENTATIONS OF THE BOOK CHAPTERS.

SCIENCE, THE ENDLESS FRONTIER - VANNEVAR BUSH 2021-02-02

THE CLASSIC CASE FOR WHY GOVERNMENT MUST SUPPORT SCIENCE—WITH A NEW ESSAY BY PHYSICIST AND FORMER CONGRESSMAN RUSH HOLT ON WHAT DEMOCRACY NEEDS FROM SCIENCE TODAY SCIENCE, THE ENDLESS FRONTIER IS RECOGNIZED AS THE LANDMARK ARGUMENT FOR THE ESSENTIAL ROLE OF SCIENCE IN SOCIETY AND GOVERNMENT'S RESPONSIBILITY TO SUPPORT SCIENTIFIC ENDEAVORS. FIRST ISSUED WHEN VANNEVAR BUSH WAS THE DIRECTOR OF THE US OFFICE OF SCIENTIFIC RESEARCH AND DEVELOPMENT DURING THE

SECOND WORLD WAR, THIS CLASSIC REMAINS VITAL IN MAKING THE CASE THAT SCIENTIFIC PROGRESS IS NECESSARY TO A NATION'S HEALTH, SECURITY, AND PROSPERITY. BUSH'S VISION SET THE COURSE FOR US SCIENCE POLICY FOR MORE THAN HALF A CENTURY, BUILDING THE WORLD'S MOST PRODUCTIVE SCIENTIFIC ENTERPRISE. TODAY, AMID A CHANGING FUNDING LANDSCAPE AND CHALLENGES TO SCIENCE'S VERY CREDIBILITY, SCIENCE, THE ENDLESS FRONTIER RESONATES AS A POWERFUL REMINDER THAT SCIENTIFIC PROGRESS AND PUBLIC WELL-BEING ALIKE DEPEND ON THE SUCCESSFUL SYMBIOSIS BETWEEN SCIENCE AND GOVERNMENT. THIS TIMELY NEW EDITION PRESENTS THIS ICONIC TEXT ALONGSIDE A NEW COMPANION ESSAY FROM SCIENTIST AND FORMER CONGRESSMAN RUSH HOLT, WHO OFFERS A BRIEF INTRODUCTION AND CONSIDERATION OF WHAT SOCIETY NEEDS MOST FROM SCIENCE NOW. REFLECTING ON THE REPORT'S LEGACY AND RELEVANCE ALONG WITH ITS LIMITATIONS, HOLT CONTENDS THAT THE PUBLIC'S ABILITY TO COPE WITH TODAY'S ISSUES—SUCH AS PUBLIC HEALTH, THE CHANGING CLIMATE AND ENVIRONMENT, AND CHALLENGING TECHNOLOGIES IN MODERN SOCIETY—REQUIRES A MORE CAPACIOUS UNDERSTANDING OF WHAT SCIENCE CAN CONTRIBUTE. HOLT CONSIDERS HOW SCIENTISTS SHOULD THINK OF THEIR OBLIGATION TO SOCIETY AND WHAT THE PUBLIC SHOULD DEMAND FROM SCIENCE, AND HE CALLS FOR A RENEWED UNDERSTANDING OF SCIENCE'S VALUE FOR DEMOCRACY AND SOCIETY AT LARGE. A TOUCHSTONE FOR CONCERNED CITIZENS, SCIENTISTS, AND POLICYMAKERS, SCIENCE, THE ENDLESS FRONTIER ENDURES AS A PASSIONATE ARTICULATION OF THE POWER AND POTENTIAL OF SCIENCE.

HANDBOOK OF RESEARCH ON CYBER CRIME AND INFORMATION PRIVACY - CRUZ-CUNHA, MARIA MANUELA 2020-08-21

IN RECENT YEARS, INDUSTRIES HAVE TRANSITIONED INTO THE DIGITAL REALM, AS COMPANIES AND ORGANIZATIONS ARE ADOPTING CERTAIN FORMS OF TECHNOLOGY TO ASSIST IN INFORMATION STORAGE AND EFFICIENT METHODS OF PRODUCTION. THIS DEPENDENCE HAS SIGNIFICANTLY INCREASED THE RISK OF CYBER CRIME AND BREACHES IN DATA SECURITY. FORTUNATELY, RESEARCH IN THE AREA OF CYBER SECURITY AND INFORMATION PROTECTION IS FLOURISHING; HOWEVER, IT IS THE RESPONSIBILITY OF INDUSTRY PROFESSIONALS TO KEEP PACE WITH THE CURRENT TRENDS WITHIN THIS FIELD. THE HANDBOOK OF RESEARCH ON CYBER CRIME AND INFORMATION PRIVACY IS A COLLECTION OF INNOVATIVE RESEARCH ON THE MODERN METHODS OF CRIME AND MISCONDUCT WITHIN CYBER SPACE. IT PRESENTS NOVEL SOLUTIONS TO SECURING AND PRESERVING DIGITAL INFORMATION THROUGH PRACTICAL EXAMPLES AND CASE STUDIES. WHILE HIGHLIGHTING TOPICS INCLUDING VIRUS DETECTION, SURVEILLANCE TECHNOLOGY, AND SOCIAL NETWORKS, THIS BOOK IS IDEALLY DESIGNED FOR CYBERSECURITY PROFESSIONALS, RESEARCHERS, DEVELOPERS, PRACTITIONERS, PROGRAMMERS, COMPUTER SCIENTISTS, ACADEMICIANS, SECURITY ANALYSTS, EDUCATORS, AND STUDENTS SEEKING UP-TO-DATE RESEARCH ON ADVANCED APPROACHES AND DEVELOPMENTS IN CYBER SECURITY AND INFORMATION PROTECTION.

NETWORK DEFENSE AND COUNTERMEASURES - WILLIAM (CHUCK) EASTTOM, II 2013

NETWORK DEFENSE AND COUNTERMEASURES: PRINCIPLES AND PRACTICES EVERYTHING YOU NEED TO KNOW ABOUT MODERN NETWORK ATTACKS AND DEFENSE, IN ONE BOOK CLEARLY EXPLAINS CORE NETWORK SECURITY CONCEPTS, CHALLENGES, TECHNOLOGIES, AND SKILLS THOROUGHLY UPDATED FOR THE LATEST ATTACKS AND COUNTERMEASURES THE PERFECT BEGINNER'S GUIDE FOR ANYONE INTERESTED IN A NETWORK SECURITY CAREER SECURITY IS THE IT INDUSTRY'S HOTTEST TOPIC-AND THAT'S WHERE THE HOTTEST OPPORTUNITIES ARE, TOO. ORGANIZATIONS DESPERATELY NEED PROFESSIONALS WHO CAN HELP THEM SAFEGUARD AGAINST THE MOST SOPHISTICATED ATTACKS EVER CREATED-ATTACKS FROM WELL-FUNDED GLOBAL CRIMINAL SYNDICATES, AND EVEN GOVERNMENTS. TODAY, SECURITY BEGINS WITH DEFENDING THE ORGANIZATIONAL NETWORK. NETWORK DEFENSE AND COUNTERMEASURES, SECOND EDITION IS TODAY'S MOST COMPLETE, EASY-TO-UNDERSTAND INTRODUCTION TO MODERN NETWORK ATTACKS AND THEIR EFFECTIVE DEFENSE. FROM MALWARE AND DDoS ATTACKS TO FIREWALLS AND ENCRYPTION, CHUCK EASTTOM BLENDS THEORETICAL FOUNDATIONS WITH UP-TO-THE-MINUTE BEST-PRACTICE TECHNIQUES. STARTING WITH THE ABSOLUTE BASICS, HE DISCUSSES CRUCIAL TOPICS MANY SECURITY BOOKS OVERLOOK, INCLUDING THE EMERGENCE OF NETWORK-BASED ESPIONAGE AND TERRORISM. IF YOU HAVE A BASIC UNDERSTANDING OF NETWORKS, THAT'S ALL THE BACKGROUND YOU'LL NEED TO SUCCEED WITH THIS BOOK: NO MATH OR ADVANCED COMPUTER SCIENCE IS REQUIRED. YOU'LL FIND PROJECTS, QUESTIONS, EXERCISES, CASE STUDIES, LINKS TO EXPERT RESOURCES, AND A COMPLETE GLOSSARY-ALL DESIGNED TO DEEPEN YOUR UNDERSTANDING AND PREPARE YOU TO DEFEND REAL-WORLD NETWORKS. CHUCK EASTTOM HAS WORKED IN ALL ASPECTS OF IT, INCLUDING NETWORK ADMINISTRATION, SOFTWARE ENGINEERING, AND IT MANAGEMENT. FOR SEVERAL YEARS, HE HAS TAUGHT IT TOPICS IN COLLEGE AND CORPORATE ENVIRONMENTS, WORKED AS AN INDEPENDENT IT CONSULTANT, AND SERVED AS AN EXPERT WITNESS IN COURT CASES INVOLVING COMPUTERS. HE HOLDS 28 INDUSTRY CERTIFICATIONS, INCLUDING CISSP, ISSAP, CERTIFIED ETHICAL HACKER, CERTIFIED HACKING FORENSICS INVESTIGATOR, EC COUNCIL CERTIFIED SECURITY ADMINISTRATOR, AND EC COUNCIL CERTIFIED INSTRUCTOR. HE SERVED AS SUBJECT MATTER EXPERT FOR COMPTIA IN ITS DEVELOPMENT OR REVISION OF FOUR CERTIFICATION TESTS, INCLUDING SECURITY+. HE RECENTLY ASSISTED THE EC COUNCIL IN DEVELOPING ITS NEW ADVANCED CRYPTOGRAPHY COURSE. EASTTOM HAS AUTHORED 13 BOOKS ON TOPICS INCLUDING COMPUTER SECURITY AND CRIME. LEARN HOW TO UNDERSTAND ESSENTIAL NETWORK SECURITY CONCEPTS, CHALLENGES, AND CAREERS n LEARN HOW MODERN ATTACKS WORK n DISCOVER HOW FIREWALLS, INTRUSION DETECTION SYSTEMS (IDS), AND VIRTUAL PRIVATE NETWORKS (VPNS) COMBINE TO PROTECT MODERN NETWORKS n SELECT THE RIGHT SECURITY TECHNOLOGIES FOR ANY NETWORK ENVIRONMENT n USE ENCRYPTION TO PROTECT INFORMATION n HARDEN WINDOWS AND LINUX SYSTEMS AND KEEP THEM PATCHED n SECURELY CONFIGURE WEB BROWSERS TO RESIST ATTACKS n DEFEND AGAINST MALWARE n DEFINE PRACTICAL, ENFORCEABLE SECURITY POLICIES n USE THE "6 PS" TO ASSESS TECHNICAL AND HUMAN ASPECTS OF SYSTEM SECURITY n DETECT AND FIX SYSTEM VULNERABILITY n APPLY PROVEN SECURITY STANDARDS AND MODELS, INCLUDING ORANGE BOOK, COMMON CRITERIA, AND BELL-LAPADULA n ENSURE PHYSICAL SECURITY AND PREPARE FOR DISASTER RECOVERY n KNOW YOUR ENEMY: LEARN BASIC HACKING, AND SEE HOW TO COUNTER IT n UNDERSTAND STANDARD FORENSIC TECHNIQUES AND PREPARE FOR INVESTIGATIONS OF DIGITAL CRIME

THE CERT GUIDE TO INSIDER THREATS - DAWN M. CAPPELLI 2012-01-20

SINCE 2001, THE CERT® INSIDER THREAT CENTER AT CARNEGIE MELLON UNIVERSITY'S SOFTWARE ENGINEERING INSTITUTE (SEI) HAS COLLECTED AND ANALYZED INFORMATION ABOUT MORE THAN SEVEN HUNDRED INSIDER CYBER CRIMES, RANGING FROM NATIONAL SECURITY

ESPIONAGE TO THEFT OF TRADE SECRETS. THE CERT® GUIDE TO INSIDER THREATS DESCRIBES CERT'S FINDINGS IN PRACTICAL TERMS, OFFERING SPECIFIC GUIDANCE AND COUNTERMEASURES THAT CAN BE IMMEDIATELY APPLIED BY EXECUTIVES, MANAGERS, SECURITY OFFICERS, AND OPERATIONAL STAFF WITHIN ANY PRIVATE, GOVERNMENT, OR MILITARY ORGANIZATION. THE AUTHORS SYSTEMATICALLY ADDRESS ATTACKS BY ALL TYPES OF MALICIOUS INSIDERS, INCLUDING CURRENT AND FORMER EMPLOYEES, CONTRACTORS, BUSINESS PARTNERS, OUTSOURCERS, AND EVEN CLOUD-COMPUTING VENDORS. THEY COVER ALL MAJOR TYPES OF INSIDER CYBER CRIME: IT SABOTAGE, INTELLECTUAL PROPERTY THEFT, AND FRAUD. FOR EACH, THEY PRESENT A CRIME PROFILE DESCRIBING HOW THE CRIME TENDS TO EVOLVE OVER TIME, AS WELL AS MOTIVATIONS, ATTACK METHODS, ORGANIZATIONAL ISSUES, AND PRECURSOR WARNINGS THAT COULD HAVE HELPED THE ORGANIZATION PREVENT THE INCIDENT OR DETECT IT EARLIER. BEYOND IDENTIFYING CRUCIAL PATTERNS OF SUSPICIOUS BEHAVIOR, THE AUTHORS PRESENT CONCRETE DEFENSIVE MEASURES FOR PROTECTING BOTH SYSTEMS AND DATA. THIS BOOK ALSO CONVEYS THE BIG PICTURE OF THE INSIDER THREAT PROBLEM OVER TIME: THE COMPLEX INTERACTIONS AND UNINTENDED CONSEQUENCES OF EXISTING POLICIES, PRACTICES, TECHNOLOGY, INSIDER MINDSETS, AND ORGANIZATIONAL CULTURE. MOST IMPORTANT, IT OFFERS ACTIONABLE RECOMMENDATIONS FOR THE ENTIRE ORGANIZATION, FROM EXECUTIVE MANAGEMENT AND BOARD MEMBERS TO IT, DATA OWNERS, HR, AND LEGAL DEPARTMENTS. WITH THIS BOOK, YOU WILL FIND OUT HOW TO IDENTIFY HIDDEN SIGNS OF INSIDER IT SABOTAGE, THEFT OF SENSITIVE INFORMATION, AND FRAUD RECOGNIZE INSIDER THREATS THROUGHOUT THE SOFTWARE DEVELOPMENT LIFE CYCLE USE ADVANCED THREAT CONTROLS TO RESIST ATTACKS BY BOTH TECHNICAL AND NONTECHNICAL INSIDERS INCREASE THE EFFECTIVENESS OF EXISTING TECHNICAL SECURITY TOOLS BY ENHANCING RULES, CONFIGURATIONS, AND ASSOCIATED BUSINESS PROCESSES PREPARE FOR UNUSUAL INSIDER ATTACKS, INCLUDING ATTACKS LINKED TO ORGANIZED CRIME OR THE INTERNET UNDERGROUND BY IMPLEMENTING THIS BOOK'S SECURITY PRACTICES, YOU WILL BE INCORPORATING PROTECTION MECHANISMS DESIGNED TO RESIST THE VAST MAJORITY OF MALICIOUS INSIDER ATTACKS.

SELECTED READINGS IN CYBERSECURITY - YOUNG B. CHOI 2018-11-16

THIS COLLECTION OF PAPERS HIGHLIGHTS THE CURRENT STATE OF THE ART OF CYBERSECURITY. IT IS DIVIDED INTO FIVE MAJOR SECTIONS: HUMANS AND INFORMATION SECURITY; SECURITY SYSTEMS DESIGN AND DEVELOPMENT; SECURITY SYSTEMS MANAGEMENT AND TESTING; APPLICATIONS OF INFORMATION SECURITY TECHNOLOGIES; AND OUTSTANDING CYBERSECURITY TECHNOLOGY DEVELOPMENT TRENDS. THIS BOOK WILL MAINLY APPEAL TO PRACTITIONERS IN THE CYBERSECURITY INDUSTRY AND COLLEGE FACULTY AND STUDENTS IN THE DISCIPLINES OF CYBERSECURITY, INFORMATION SYSTEMS, INFORMATION TECHNOLOGY, AND COMPUTER SCIENCE.

CHALLENGES IN CYBERSECURITY AND PRIVACY - JORGE BERNAL BERNABE 2019-06-30

CYBERSECURITY AND PRIVACY ISSUES ARE BECOMING AN IMPORTANT BARRIER FOR A TRUSTED AND DEPENDABLE GLOBAL DIGITAL SOCIETY DEVELOPMENT. IN THIS CONTEXT, NEW HOLISTIC APPROACHES, METHODOLOGIES, TECHNIQUES AND TOOLS ARE NEEDED TO COPE WITH THOSE ISSUES, AND MITIGATE CYBERATTACKS

FUNDAMENTALS OF INFORMATION SYSTEMS SECURITY - DAVID KIM 2013-07-11

PART OF THE JONES & BARTLETT LEARNING INFORMATION SYSTEMS SECURITY & ASSURANCE SERIES REVISED AND UPDATED WITH THE LATEST INFORMATION FROM THIS FAST-PACED FIELD, FUNDAMENTALS OF INFORMATION SYSTEM SECURITY, SECOND EDITION PROVIDES A COMPREHENSIVE OVERVIEW OF THE ESSENTIAL CONCEPTS READERS MUST KNOW AS THEY PURSUE CAREERS IN INFORMATION SYSTEMS SECURITY. THE TEXT OPENS WITH A DISCUSSION OF THE NEW RISKS, THREATS, AND VULNERABILITIES ASSOCIATED WITH THE TRANSFORMATION TO A DIGITAL WORLD, INCLUDING A LOOK AT HOW BUSINESS, GOVERNMENT, AND INDIVIDUALS OPERATE TODAY. PART 2 IS ADAPTED FROM THE OFFICIAL (ISC)2 SSCP CERTIFIED BODY OF KNOWLEDGE AND PRESENTS A HIGH-LEVEL OVERVIEW OF EACH OF THE SEVEN DOMAINS WITHIN THE SYSTEM SECURITY CERTIFIED PRACTITIONER CERTIFICATION. THE BOOK CLOSES WITH A RESOURCE FOR READERS WHO DESIRE ADDITIONAL MATERIAL ON INFORMATION SECURITY STANDARDS, EDUCATION, PROFESSIONAL CERTIFICATIONS, AND COMPLIANCE LAWS. WITH ITS PRACTICAL, CONVERSATIONAL WRITING STYLE AND STEP-BY-STEP EXAMPLES, THIS TEXT IS A MUST-HAVE RESOURCE FOR THOSE ENTERING THE WORLD OF INFORMATION SYSTEMS SECURITY. NEW TO THE SECOND EDITION: - NEW MATERIAL ON CLOUD COMPUTING, RISK ANALYSIS, IP MOBILITY, OMNIBUS, AND AGILE SOFTWARE DEVELOPMENT. - INCLUDES THE MOST RECENT UPDATES IN INFORMATION SYSTEMS SECURITY LAWS, CERTIFICATES, STANDARDS, AMENDMENTS, AND THE PROPOSED FEDERAL INFORMATION SECURITY AMENDMENTS ACT OF 2013 AND HITECH ACT. - PROVIDES NEW CASES AND EXAMPLES PULLED FROM REAL-WORLD SCENARIOS. - UPDATED DATA, TABLES, AND SIDEBARS PROVIDE THE MOST CURRENT INFORMATION IN THE FIELD.

CYBER-SECURITY AND THREAT POLITICS - MYRIAM DUNN CAVELTY 2007-11-28

THIS BOOK EXPLORES THE POLITICAL PROCESS BEHIND THE CONSTRUCTION OF CYBER-THREATS AS ONE OF THE QUINTESSENTIAL SECURITY THREATS OF MODERN TIMES IN THE US. MYRIAM DUNN CAVELTY POSITS THAT CYBER-THREATS ARE DEFINABLE BY THEIR UNSUBSTANTIATED NATURE. DESPITE THIS, THEY HAVE BEEN PROPELLED TO THE FOREFRONT OF THE POLITICAL AGENDA. USING AN INNOVATIVE THEORETICAL APPROACH, THIS BOOK EXAMINES HOW, UNDER WHAT CONDITIONS, BY WHOM, FOR WHAT REASONS, AND WITH WHAT IMPACT CYBER-THREATS HAVE BEEN MOVED ON TO THE POLITICAL AGENDA. IN PARTICULAR, IT ANALYSES HOW GOVERNMENTS HAVE USED THREAT FRAMES, SPECIFIC INTERPRETIVE SCHEMATA ABOUT WHAT COUNTS AS A THREAT OR RISK AND HOW TO RESPOND TO THIS THREAT. BY APPROACHING THIS SUBJECT FROM A SECURITY STUDIES ANGLE, THIS BOOK CLOSES A GAP BETWEEN PRACTICAL AND THEORETICAL ACADEMIC APPROACHES. IT ALSO CONTRIBUTES TO THE MORE GENERAL DEBATE ABOUT CHANGING PRACTICES OF NATIONAL SECURITY AND THEIR IMPLICATIONS FOR THE INTERNATIONAL COMMUNITY.

ACCESS CONTROL AND IDENTITY MANAGEMENT - MIKE CHAPPLE 2020-10-01

REVISED AND UPDATED WITH THE LATEST DATA FROM THIS FAST PACED FIELD, ACCESS CONTROL, AUTHENTICATION, AND PUBLIC KEY INFRASTRUCTURE DEFINES THE COMPONENTS OF ACCESS CONTROL, PROVIDES A BUSINESS FRAMEWORK FOR IMPLEMENTATION, AND DISCUSSES LEGAL REQUIREMENTS THAT IMPACT ACCESS CONTROL PROGRAMS.

STANDARDS AND STANDARDIZATION: CONCEPTS, METHODOLOGIES, TOOLS, AND APPLICATIONS - MANAGEMENT ASSOCIATION,

INFORMATION RESOURCES 2015-02-28

EFFECTIVE COMMUNICATION REQUIRES A COMMON LANGUAGE, A TRUTH THAT APPLIES TO SCIENCE AND MATHEMATICS AS MUCH AS IT DOES TO CULTURE AND CONVERSATION. STANDARDS AND STANDARDIZATION: CONCEPTS, METHODOLOGIES, TOOLS, AND APPLICATIONS ADDRESSES THE NECESSITY OF A COMMON SYSTEM OF MEASUREMENT IN ALL TECHNICAL COMMUNICATIONS AND ENDEAVORS, IN ADDITION TO THE NEED FOR COMMON RULES AND GUIDELINES FOR REGULATING SUCH ENTERPRISES. THIS MULTIVOLUME REFERENCE WILL BE OF PRACTICAL AND THEORETICAL SIGNIFICANCE TO RESEARCHERS, SCIENTISTS, ENGINEERS, TEACHERS, AND STUDENTS IN A WIDE ARRAY OF DISCIPLINES.

HANDS-ON ETHICAL HACKING AND NETWORK DEFENSE - MICHAEL T. SIMPSON 2016-10-10

CYBER-TERRORISM AND CORPORATE ESPIONAGE ARE INCREASINGLY COMMON AND DEVASTATING THREATS, MAKING TRAINED NETWORK SECURITY PROFESSIONALS MORE IMPORTANT THAN EVER. THIS TIMELY TEXT HELPS YOU GAIN THE KNOWLEDGE AND SKILLS TO PROTECT NETWORKS USING THE TOOLS AND TECHNIQUES OF AN ETHICAL HACKER. THE AUTHORS BEGIN BY EXPLORING THE CONCEPT OF ETHICAL HACKING AND ITS PRACTITIONERS, EXPLAINING THEIR IMPORTANCE IN PROTECTING CORPORATE AND GOVERNMENT DATA FROM CYBER ATTACKS. THE TEXT THEN PROVIDES AN IN-DEPTH GUIDE TO PERFORMING SECURITY TESTING AGAINST COMPUTER NETWORKS, COVERING CURRENT TOOLS AND PENETRATION TESTING METHODOLOGIES. UPDATED FOR TODAY'S CYBER SECURITY ENVIRONMENT, THE THIRD EDITION OF THIS TRUSTED TEXT FEATURES NEW COMPUTER SECURITY RESOURCES, COVERAGE OF EMERGING VULNERABILITIES AND INNOVATIVE METHODS TO PROTECT NETWORKS, A NEW DISCUSSION OF MOBILE SECURITY, AND INFORMATION ON CURRENT FEDERAL AND STATE COMPUTER CRIME LAWS, INCLUDING PENALTIES FOR ILLEGAL COMPUTER HACKING. IMPORTANT NOTICE: MEDIA CONTENT REFERENCED WITHIN THE PRODUCT DESCRIPTION OR THE PRODUCT TEXT MAY NOT BE AVAILABLE IN THE EBOOK VERSION.

THE SAGE ENCYCLOPEDIA OF THE INTERNET - BARNEY WARF 2018-05-15

THE INTERNET NEEDS NO INTRODUCTION, AND ITS SIGNIFICANCE TODAY CAN HARDLY BE EXAGGERATED. TODAY, MORE PEOPLE ARE MORE CONNECTED TECHNOLOGICALLY TO ONE ANOTHER THAN AT ANY OTHER TIME IN HUMAN EXISTENCE. FOR A LARGE SHARE OF THE WORLD'S PEOPLE, THE INTERNET, TEXT MESSAGING, AND VARIOUS OTHER FORMS OF DIGITAL SOCIAL MEDIA SUCH AS FACEBOOK HAVE BECOME THOROUGHLY WOVEN INTO THE ROUTINES AND RHYTHMS OF DAILY LIFE. THE INTERNET HAS TRANSFORMED HOW WE SEEK INFORMATION, COMMUNICATE, ENTERTAIN OURSELVES, FIND PARTNERS, AND, INCREASINGLY, IT SHAPES OUR NOTIONS OF IDENTITY AND COMMUNITY. THE SAGE ENCYCLOPEDIA OF THE INTERNET ADDRESSES THE MANY RELATED TOPICS PERTAINING TO CYBERSPACE, EMAIL, THE WORLD WIDE WEB, AND SOCIAL MEDIA. ENTRIES WILL RANGE FROM POPULAR TOPICS SUCH AS ALIBABA AND YOUTUBE TO IMPORTANT CURRENT CONTROVERSIES SUCH AS NET NEUTRALITY AND CYBERTERRORISM. THE GOAL OF THE ENCYCLOPEDIA IS TO PROVIDE THE MOST COMPREHENSIVE COLLECTION OF AUTHORITATIVE ENTRIES ON THE INTERNET AVAILABLE, WRITTEN IN A STYLE ACCESSIBLE TO ACADEMIC AND NON-ACADEMIC AUDIENCES ALIKE.

RFID APPLIED - JERRY BANKS 2007-03-30

RADIO FREQUENCY IDENTIFICATION OR RFID IS A BROAD-BASED TECHNOLOGY THAT IMPACTS BUSINESS AND SOCIETY. WITH THE RAPID EXPANSION OF THE USE OF THIS TECHNOLOGY IN EVERYTHING FROM CONSUMER PURCHASES TO SECURITY ID TAGS, TO TRACKING BIRD MIGRATION, THERE IS VERY LITTLE INFORMATION AVAILABLE IN BOOK FORM THAT TARGETS THE WIDEST RANGE OF THE POTENTIAL MARKET. BUT THIS BOOK IS DIFFERENT! WHERE MOST OF THE BOOKS AVAILABLE COVER SPECIFIC TECHNICAL UNDERPINNINGS OF RFID OR SPECIFIC SEGMENTS OF THE MARKET, THIS CO-AUTHORED BOOK BY BOTH ACADEMIC AND INDUSTRY PROFESSIONALS, PROVIDES A BROAD BACKGROUND ON THE TECHNOLOGY AND THE VARIOUS APPLICATIONS OF RFID AROUND THE WORLD. COVERAGE IS MAINLY NON-TECHNICAL, MORE BUSINESS RELATED FOR THE BROADEST USER BASE, HOWEVER THERE ARE SECTIONS THAT STEP INTO THE TECHNICAL ASPECTS FOR ADVANCED, MORE TECHNICAL READERS.

GUIDE TO NETWORK DEFENSE AND COUNTERMEASURES - RANDY WEAVER 2013-01-01

GUIDE TO NETWORK DEFENSE AND COUNTERMEASURES PROVIDES A THOROUGH GUIDE TO PERIMETER DEFENSE FUNDAMENTALS, INCLUDING INTRUSION DETECTION AND FIREWALLS. THIS TRUSTED TEXT ALSO COVERS MORE ADVANCED TOPICS SUCH AS SECURITY POLICIES, NETWORK ADDRESS TRANSLATION (NAT), PACKET FILTERING AND ANALYSIS, PROXY SERVERS, VIRTUAL PRIVATE NETWORKS (VPN), AND NETWORK TRAFFIC SIGNATURES. THOROUGHLY UPDATED, THE NEW THIRD EDITION REFLECTS THE LATEST TECHNOLOGY, TRENDS, AND TECHNIQUES INCLUDING VIRTUALIZATION, VMWARE, IPV6, AND ICMPV6 STRUCTURE, MAKING IT EASIER FOR CURRENT AND ASPIRING PROFESSIONALS TO STAY ON THE CUTTING EDGE AND ONE STEP AHEAD OF POTENTIAL SECURITY THREATS. A CLEAR WRITING STYLE AND NUMEROUS SCREENSHOTS AND ILLUSTRATIONS MAKE EVEN COMPLEX TECHNICAL MATERIAL EASIER TO UNDERSTAND, WHILE TIPS, ACTIVITIES, AND PROJECTS THROUGHOUT THE TEXT ALLOW YOU TO HONE YOUR SKILLS BY APPLYING WHAT YOU LEARN. PERFECT FOR STUDENTS AND PROFESSIONALS ALIKE IN THIS HIGH-DEMAND, FAST-GROWING FIELD, *GUIDE TO NETWORK DEFENSE AND COUNTERMEASURES*, THIRD EDITION, IS A MUST-HAVE RESOURCE FOR SUCCESS AS A NETWORK SECURITY PROFESSIONAL. IMPORTANT NOTICE: MEDIA CONTENT REFERENCED WITHIN THE PRODUCT DESCRIPTION OR THE PRODUCT TEXT MAY NOT BE AVAILABLE IN THE EBOOK VERSION.

ELEMENTARY INFORMATION SECURITY COURSEWARE WITH 2013

COMPREHENSIVE AND ACCESSIBLE, *ELEMENTARY INFORMATION SECURITY* COVERS THE ENTIRE RANGE OF TOPICS REQUIRED FOR US GOVERNMENT COURSEWARE CERTIFICATION NSTISSI 4013 AND URGES STUDENTS ANALYZE A VARIETY OF SECURITY PROBLEMS WHILE GAINING EXPERIENCE WITH BASIC TOOLS OF THE TRADE. WRITTEN FOR THE ONE-TERM UNDERGRADUATE COURSE, THE TEXT EMPHASIZES BOTH THE TECHNICAL AND NON-TECHNICAL ASPECTS OF INFORMATION SECURITY AND USES PRACTICAL EXAMPLES AND REAL-WORLD ASSESSMENT TOOLS. EARLY CHAPTERS IN THE TEXT DISCUSS INDIVIDUAL COMPUTERS AND SMALL LANS, WHILE LATER CHAPTERS DEAL WITH DISTRIBUTED SITE SECURITY AND THE INTERNET. CRYPTOGRAPHIC TOPICS FOLLOW THE SAME PROGRESSION, STARTING ON A SINGLE COMPUTER AND EVOLVING TO INTERNET-LEVEL CONNECTIVITY. MATHEMATICAL CONCEPTS THROUGHOUT THE TEXT ARE DEFINED AND TUTORIALS WITH MATHEMATICAL TOOLS ARE PROVIDED TO ENSURE STUDENTS GRASP THE INFORMATION AT HAND. RATHER THAN EMPHASIZING MEMORIZATION, THIS TEXT CHALLENGES STUDENTS TO LEARN HOW TO ANALYZE A VARIETY OF SECURITY PROBLEMS AND GAIN EXPERIENCE WITH THE BASIC TOOLS OF THIS GROWING TRADE. KEY FEATURES: - COVERS ALL TOPICS REQUIRED BY THE US GOVERNMENT CURRICULUM STANDARD NSTISSI 4013. - UNLIKE OTHER TEXTS ON THE TOPIC, THE AUTHOR GOES BEYOND DEFINING THE MATH CONCEPTS AND PROVIDES STUDENTS WITH TUTORIALS AND PRACTICE WITH MATHEMATICAL TOOLS, MAKING THE TEXT APPROPRIATE FOR A BROAD RANGE OF READERS. - PROBLEM DEFINITIONS DESCRIBE A PRACTICAL SITUATION THAT INCLUDES A SECURITY DILEMMA. - TECHNOLOGY INTRODUCTIONS PROVIDE A PRACTICAL EXPLANATION OF SECURITY TECHNOLOGY TO BE USED IN THE SPECIFIC CHAPTERS. - IMPLEMENTATION EXAMPLES SHOW THE TECHNOLOGY BEING USED TO ENFORCE THE SECURITY POLICY AT HAND. - RESIDUAL RISKS DESCRIBE THE LIMITATIONS TO THE TECHNOLOGY AND ILLUSTRATE VARIOUS TASKS AGAINST IT. - EACH CHAPTER INCLUDES WORKED EXAMPLES OF TECHNIQUES STUDENTS WILL NEED TO BE SUCCESSFUL IN THE COURSE. FOR INSTANCE, THERE WILL BE NUMEROUS EXAMPLES OF HOW TO CALCULATE THE NUMBER OF ATTEMPTS NEEDED TO CRACK SECRET INFORMATION IN PARTICULAR FORMATS; PINS, PASSWORDS AND ENCRYPTION KEYS.

- RANDY WEAVER 2006-01-09

GUIDE TO NETWORK DEFENSE AND COUNTERMEASURES, 2E IS THE SECOND OF TWO BOOKS THAT ARE REQUIRED FOR LEVEL ONE OF THE SECURITY CERTIFIED PROGRAM (SCP). THIS EDITION HAS BEEN REVISED WITH UPDATED CONTENT AND MAPS CLEARLY TO THE EXAM OBJECTIVES FOR THE CURRENT SECURITY CERTIFIED NETWORK PROFESSIONAL (SCNP) EXAM. ALTHOUGH THE PRIMARY EMPHASIS IS ON INTRUSION DETECTION, THE BOOK ALSO COVERS SUCH ESSENTIAL PRACTICES AS DEVELOPING A SECURITY POLICY AND THEN IMPLEMENTING THAT POLICY BY PERFORMING NETWORK ADDRESS TRANSLATION, SETTING UP PACKET FILTERING, AND INSTALLING PROXY SERVERS, FIREWALLS, AND VIRTUAL PRIVATE NETWORKS. IMPORTANT NOTICE: MEDIA CONTENT REFERENCED WITHIN THE PRODUCT DESCRIPTION OR THE PRODUCT TEXT MAY NOT BE AVAILABLE IN THE EBOOK VERSION.