

Designing And Deploying 80211 Wireless Networks A Practical Guide To Implementing 80211n And 80211ac Wireless Networks For Enterprise Based Applications Networking Technology

WHEN SOMEBODY SHOULD GO TO THE BOOK STORES, SEARCH COMMENCEMENT BY SHOP, SHELF BY SHELF, IT IS REALLY PROBLEMATIC. THIS IS WHY WE ALLOW THE EBOOK COMPILATIONS IN THIS WEBSITE. IT WILL AGREED EASE YOU TO LOOK GUIDE **DESIGNING AND DEPLOYING 80211 WIRELESS NETWORKS A PRACTICAL GUIDE TO IMPLEMENTING 80211n AND 80211ac WIRELESS NETWORKS FOR ENTERPRISE BASED APPLICATIONS NETWORKING TECHNOLOGY** AS YOU SUCH AS.

BY SEARCHING THE TITLE, PUBLISHER, OR AUTHORS OF GUIDE YOU TRULY WANT, YOU CAN DISCOVER THEM RAPIDLY. IN THE HOUSE, WORKPLACE, OR PERHAPS IN YOUR METHOD CAN BE EVERY BEST AREA WITHIN NET CONNECTIONS. IF YOU POINT TOWARD TO DOWNLOAD AND INSTALL THE **DESIGNING AND DEPLOYING 80211 WIRELESS NETWORKS A PRACTICAL GUIDE TO IMPLEMENTING 80211n AND 80211ac WIRELESS NETWORKS FOR ENTERPRISE BASED APPLICATIONS NETWORKING TECHNOLOGY**, IT IS TOTALLY SIMPLE THEN, PAST CURRENTLY WE EXTEND THE PARTNER TO BUY AND MAKE BARGAINS TO DOWNLOAD AND INSTALL **DESIGNING AND DEPLOYING 80211 WIRELESS NETWORKS A PRACTICAL GUIDE TO IMPLEMENTING 80211n AND 80211ac WIRELESS NETWORKS FOR ENTERPRISE BASED APPLICATIONS NETWORKING TECHNOLOGY** IN VIEW OF THAT SIMPLE!

802.11ac: A SURVIVAL GUIDE - MATTHEW S. GAST
2013-07-23

THE NEXT FRONTIER FOR WIRELESS LANs IS 802.11ac, A STANDARD THAT INCREASES THROUGHPUT BEYOND ONE GIGABIT PER SECOND. THIS CONCISE GUIDE PROVIDES IN-DEPTH INFORMATION TO HELP YOU PLAN FOR 802.11ac, WITH TECHNICAL DETAILS ON DESIGN, NETWORK OPERATIONS, DEPLOYMENT, AND MONITORING. AUTHOR MATTHEW GAST—AN INDUSTRY EXPERT WHO LED THE DEVELOPMENT OF 802.11-2012 AND SECURITY TASK GROUPS AT THE Wi-Fi ALLIANCE—EXPLAINS HOW 802.11ac WILL NOT ONLY INCREASE THE SPEED OF YOUR NETWORK, BUT ITS CAPACITY AS WELL. WHETHER YOU NEED TO SERVE MORE CLIENTS WITH YOUR CURRENT LEVEL OF THROUGHPUT, OR SERVE YOUR EXISTING CLIENT LOAD WITH HIGHER THROUGHPUT, 802.11ac IS THE SOLUTION. THIS BOOK GETS YOU STARTED. UNDERSTAND HOW THE 802.11ac PROTOCOL WORKS TO IMPROVE THE SPEED AND CAPACITY OF A WIRELESS LAN EXPLORE HOW BEAMFORMING INCREASES SPEED CAPACITY BY IMPROVING LINK MARGIN, AND LAYS THE FOUNDATION FOR MULTI-USER MIMO LEARN HOW MULTI-USER MIMO INCREASES CAPACITY BY ENABLING AN AP TO SEND DATA TO MULTIPLE CLIENTS SIMULTANEOUSLY PLAN WHEN AND HOW TO UPGRADE YOUR NETWORK TO 802.11ac BY EVALUATING CLIENT DEVICES, APPLICATIONS, AND NETWORK CONNECTIONS

SCALING NETWORKS COMPANION GUIDE - CISCO NETWORKING CISCO NETWORKING ACADEMY 2014
THIS IS THE ONLY CISCO-AUTHORIZED COMPANION GUIDE TO THE OFFICIAL CISCO NETWORKING ACADEMY SCALING NETWORKS COURSE FOR THE CCNA ROUTING AND

SWITCHING CURRICULUM. AN INDISPENSABLE RESOURCE FOR HUNDREDS OF THOUSANDS OF CISCO NETWORKING ACADEMY STUDENTS WORLDWIDE, THIS PORTABLE DESK REFERENCE IS IDEAL FOR ANYTIME/ANYWHERE TAKE-HOME STUDY AND REFERENCE. FULLY ALIGNED TO THE ONLINE COURSE CHAPTERS, IT OFFERS ADDITIONAL BOOK-BASED PEDAGOGY TO REINFORCE KEY CONCEPTS, ENHANCE STUDENT COMPREHENSION, AND PROMOTE RETENTION. USING IT, STUDENTS CAN FOCUS SCARCE STUDY TIME, ORGANIZE REVIEW FOR QUIZZES AND EXAMS, AND GET THE DAY-TO-DAY REFERENCE ANSWERS THEY'RE LOOKING FOR.

THE TELECOMMUNICATIONS HANDBOOK - Jyrki T. J. Penttinen 2015-01-13

THE TELECOMMUNICATIONS HANDBOOK THE TELECOMMUNICATIONS HANDBOOK ENGINEERING GUIDELINES FOR FIXED, MOBILE AND SATELLITE SYSTEMS TAKING A PRACTICAL APPROACH, THE TELECOMMUNICATIONS HANDBOOK EXAMINES THE PRINCIPLES AND DETAILS OF ALL THE MAJOR AND MODERN TELECOMMUNICATIONS SYSTEMS CURRENTLY AVAILABLE TO INDUSTRY AND TO END-USERS. IT GIVES ESSENTIAL INFORMATION ABOUT USAGE, ARCHITECTURES, FUNCTIONING, PLANNING, CONSTRUCTION, MEASUREMENTS AND OPTIMIZATION. THE STRUCTURE OF THE BOOK IS MODULAR, GIVING BOTH OVERALL DESCRIPTIONS OF THE ARCHITECTURES AND FUNCTIONALITY OF TYPICAL USE CASES, AS WELL AS DEEPER AND PRACTICAL GUIDELINES FOR TELECOM PROFESSIONALS. THE FOCUS OF THE BOOK IS ON CURRENT AND FUTURE NETWORKS, AND THE MOST UP-TO-DATE FUNCTIONALITIES OF EACH NETWORK ARE DESCRIBED IN SUFFICIENT DETAIL FOR DEPLOYMENT PURPOSES. THE

CONTENTS INCLUDE AN INTRODUCTION TO EACH TECHNOLOGY, ITS EVOLUTION PATH, FEASIBILITY AND UTILIZATION, SOLUTION AND NETWORK ARCHITECTURE, AND TECHNICAL FUNCTIONING OF THE SYSTEMS (SIGNALING, CODING, DIFFERENT MODES FOR CHANNEL DELIVERY AND SECURITY OF CORE AND RADIO SYSTEM). THE PLANNING OF THE CORE AND RADIO NETWORKS (SYSTEM-SPECIFIC FIELD TEST MEASUREMENT GUIDELINES, HANDS-ON NETWORK PLANNING ADVICES AND SUGGESTIONS FOR PARAMETER ADJUSTMENTS) AND FUTURE SYSTEMS ARE ALSO DESCRIBED. WITH CONTRIBUTIONS FROM SPECIALISTS IN BOTH INDUSTRY AND ACADEMIA, THE BOOK BRIDGES THE GAP BETWEEN COMMUNICATIONS IN THE ACADEMIC CONTEXT AND THE PRACTICAL KNOWLEDGE AND SKILLS NEEDED TO WORK IN THE TELECOMMUNICATIONS INDUSTRY.

CCIE WIRELESS v3 STUDY GUIDE - CARLOS ALCANTARA
2018-11-27

THOROUGHLY PREPARE FOR THE REVISED CISCO CCIE WIRELESS v3.X CERTIFICATION EXAMS EARNING CISCO CCIE WIRELESS CERTIFICATION DEMONSTRATES YOUR BROAD THEORETICAL KNOWLEDGE OF WIRELESS NETWORKING, YOUR STRONG UNDERSTANDING OF CISCO WLAN TECHNOLOGIES, AND THE SKILLS AND TECHNICAL KNOWLEDGE REQUIRED OF AN EXPERT-LEVEL WIRELESS NETWORK PROFESSIONAL. THIS GUIDE WILL HELP YOU EFFICIENTLY MASTER THE KNOWLEDGE AND SKILLS YOU'LL NEED TO SUCCEED ON BOTH THE CCIE WIRELESS v3.X WRITTEN AND LAB EXAMS. DESIGNED TO HELP YOU EFFICIENTLY FOCUS YOUR STUDY, ACHIEVE MASTERY, AND BUILD CONFIDENCE, IT FOCUSES ON CONCEPTUAL INSIGHT, NOT MERE MEMORIZATION. AUTHORED BY FIVE OF THE LEADING CISCO WIRELESS NETWORK EXPERTS, IT COVERS ALL AREAS OF THE CCIE WIRELESS EXAM BLUEPRINT, OFFERING COMPLETE FOUNDATIONAL KNOWLEDGE FOR CONFIGURING AND TROUBLESHOOTING VIRTUALLY ANY CISCO WIRELESS DEPLOYMENT. PLAN AND DESIGN ENTERPRISE-CLASS WLANS ADDRESSING ISSUES RANGING FROM RF BOUNDARIES TO AP POSITIONING, POWER LEVELS, AND DENSITY PREPARE AND SET UP WIRELESS NETWORK INFRASTRUCTURE, INCLUDING LAYER 2/3 AND KEY NETWORK SERVICES OPTIMIZE EXISTING WIRED NETWORKS TO SUPPORT WIRELESS INFRASTRUCTURE DEPLOY, CONFIGURE, AND TROUBLESHOOT CISCO IOS AUTONOMOUS WLAN DEVICES FOR WIRELESS BRIDGING IMPLEMENT, CONFIGURE, AND MANAGE AIREOS APPLIANCE, VIRTUAL, AND MOBILITY EXPRESS CONTROLLERS SECURE WIRELESS NETWORKS WITH CISCO IDENTITY SERVICES ENGINE: PROTOCOLS, CONCEPTS, USE CASES, AND CONFIGURATION SET UP AND OPTIMIZE MANAGEMENT OPERATIONS WITH PRIME INFRASTRUCTURE AND MSE/CMX DESIGN, CONFIGURE, OPERATE, AND TROUBLESHOOT WLANS WITH REAL-TIME APPLICATIONS

DESIGNING AND DEPLOYING 802.11N WIRELESS NETWORKS - JIM GEIER 2010-06-01

GAIN A PRACTICAL UNDERSTANDING OF THE UNDERLYING CONCEPTS OF THE 802.11N STANDARD AND THE METHODOLOGIES FOR COMPLETING A SUCCESSFUL WIRELESS NETWORK INSTALLATION PRACTICAL, START-TO-FINISH GUIDANCE FOR SUCCESSFUL DEPLOYMENT OF 802.11N WIRELESS LANs WITH THE RATIFICATION OF THE 802.11N WIRELESS LAN STANDARD, THOUSANDS OF COMPANIES ARE MOVING RAPIDLY TOWARD IMPLEMENTATION. HOWEVER,

802.11N IS VERY DIFFERENT FROM LEGACY 802.11A, 802.11B, AND 802.11G WIRELESS STANDARDS, AND SUCCESSFUL DEPLOYMENT REQUIRES NEW KNOWLEDGE AND TECHNIQUES. IN THIS BOOK, LEADING WIRELESS EXPERT JIM GEIER SYSTEMATICALLY PRESENTS ALL THE INFORMATION AND GUIDANCE THAT NETWORK ARCHITECTS, ENGINEERS, ADMINISTRATORS, AND MANAGERS NEED TO MAXIMIZE THE PERFORMANCE AND BUSINESS VALUE OF NEW 802.11N NETWORKS. DRAWING ON EXTENSIVE EXPERIENCE WITH REAL-WORLD 802.11N DEPLOYMENTS, GEIER GUIDES YOU THROUGH THE ENTIRE PROJECT LIFECYCLE: PLANNING, DESIGN, INSTALLATION, TESTING, MONITORING, AND SUPPORT. EACH PHASE OF WIRELESS LAN DEPLOYMENT IS ORGANIZED INTO CLEARLY DEFINED STEPS, AND MULTIPLE CASE STUDIES AND HANDS-ON EXERCISES SHOW HOW TO APPLY EACH TECHNIQUE. YOU'LL FIND PRACTICAL GUIDANCE FOR DEPLOYING IN ENTERPRISES WITHOUT EXISTING WIRELESS INFRASTRUCTURE, AS WELL AS MIGRATING FROM LEGACY 802.11A, 802.11B, OR 802.11G NETWORKS. FOR CONVENIENT REFERENCE, GEIER ALSO PROVIDES AN EXTENSIVE, UP-TO-DATE WIRELESS NETWORKING GLOSSARY. UNDERSTANDING 802.11N MAC, PHYSICAL LAYER, AND RELATED STANDARDS DESIGNING 802.11N WIRELESS NETWORKS FOR DIVERSE SCENARIOS: CONSIDERING ARCHITECTURE, RANGE, PERFORMANCE, ROAMING, AND RF ISSUES MIGRATING FROM 802.11A, 802.11B, AND 802.11G WIRELESS NETWORKS CHOOSING THE RIGHT TOOLS AND EQUIPMENT, AND USING THEM EFFECTIVELY PLANNING EFFECTIVELY: SCOPING PROJECTS; CREATING WORK BREAKDOWN STRUCTURES; ORGANIZING TEAMS, SCHEDULES, AND BUDGETS; DEFINING REQUIREMENTS, AND MORE SECURING WLANs VIA ENCRYPTION, AUTHENTICATION, ROGUE ACCESS POINT DETECTION, RF SHIELDING, AND POLICES PERFORMING SITE SURVEYS AND IDENTIFYING OPTIMUM ACCESS POINT LOCATIONS INSTALLING AND CONFIGURING WIRELESS LANs: PLANNING, STAGING, DEPLOYMENT, DOCUMENTATION, AND MORE SYSTEMATIC TESTING TO IMPROVE SIGNAL COVERAGE, PERFORMANCE, AND SECURITY MANAGING WIRELESS LANs: HELP DESK SUPPORT, NETWORK MONITORING, MAINTENANCE, ENGINEERING, CONFIGURATION MANAGEMENT, SECURITY, TOOLS, AND MORE TROUBLESHOOTING 802.11N NETWORKS: IDENTIFYING ISSUES WITH CONNECTIVITY, PERFORMANCE, AND MORE

DESIGNING AND DEPLOYING 802.11 WIRELESS NETWORKS - JIM GEIER 2015-04-29

DESIGNING AND DEPLOYING 802.11 WIRELESS NETWORKS SECOND EDITION A PRACTICAL GUIDE TO IMPLEMENTING 802.11N AND 802.11AC WIRELESS NETWORKS FOR ENTERPRISE-BASED APPLICATIONS PLAN, DEPLOY, AND OPERATE HIGH-PERFORMANCE 802.11AC AND 802.11N WIRELESS NETWORKS THE NEW 802.11AC STANDARD ENABLES WLANs TO DELIVER SIGNIFICANTLY HIGHER PERFORMANCE. NETWORK EQUIPMENT MANUFACTURERS HAVE REFOCUSSED ON 802.11AC- AND 802.11N-COMPLIANT SOLUTIONS, RAPIDLY MOVING OLDER VERSIONS OF 802.11 TOWARD "LEGACY" STATUS. NOW, THERE'S A COMPLETE GUIDE TO PLANNING, DESIGNING, INSTALLING, TESTING, AND SUPPORTING 802.11AC AND 802.11N WIRELESS NETWORKS IN ANY ENVIRONMENT, FOR VIRTUALLY ANY APPLICATION. JIM GEIER OFFERS PRACTICAL METHODS, TIPS, AND

RECOMMENDATIONS THAT DRAW ON HIS DECADES OF EXPERIENCE DEPLOYING WIRELESS SOLUTIONS AND SHAPING WIRELESS STANDARDS. HE CAREFULLY INTRODUCES 802.11AC'S FUNDAMENTALLY DIFFERENT DESIGN, SITE SURVEY, IMPLEMENTATION, AND NETWORK CONFIGURATION TECHNIQUES, HELPING YOU MAXIMIZE PERFORMANCE AND AVOID PITFALLS. GEIER ORGANIZES EACH PHASE OF WLAN DEPLOYMENT INTO CLEARLY DEFINED STEPS, MAKING THE ENTIRE PLANNING AND DEPLOYMENT PROCESS EASY TO UNDERSTAND AND EXECUTE. HE ILLUMINATES KEY CONCEPTS AND METHODS THROUGH REALISTIC CASE STUDIES BASED ON CURRENT CISCO PRODUCTS, WHILE OFFERING TIPS AND TECHNIQUES YOU CAN USE WITH ANY VENDOR'S EQUIPMENT. TO BUILD YOUR SKILLS WITH KEY TASKS, YOU'LL FIND SEVERAL HANDS-ON EXERCISES RELYING ON FREE OR INEXPENSIVE TOOLS. WHETHER YOU'RE DEPLOYING AN ENTIRELY NEW WIRELESS NETWORK OR MIGRATING FROM OLDER EQUIPMENT, THIS GUIDE CONTAINS ALL THE EXPERT KNOWLEDGE YOU'LL NEED TO SUCCEED. JIM GEIER HAS 30 YEARS OF EXPERIENCE PLANNING, DESIGNING, ANALYZING AND IMPLEMENTING COMMUNICATIONS, WIRELESS, AND MOBILE SYSTEMS. GEIER IS FOUNDER AND PRINCIPAL CONSULTANT OF WIRELESS-NETS, LTD., PROVIDING WIRELESS ANALYSIS AND DESIGN SERVICES TO PRODUCT MANUFACTURERS. HE IS ALSO PRESIDENT, CEO, AND CO-FOUNDER OF HEALTH GRADE NETWORKS, PROVIDING WIRELESS NETWORK SOLUTIONS TO HOSPITALS, AIRPORTS, AND MANUFACTURING FACILITIES. HIS BOOKS INCLUDE THE FIRST EDITION OF DESIGNING AND DEPLOYING 802.11N WIRELESS NETWORKS (CISCO PRESS); AS WELL AS IMPLEMENTING 802.1X SECURITY SOLUTIONS AND WIRELESS NETWORKING HANDBOOK. GEIER HAS BEEN ACTIVE IN THE IEEE 802.11 WORKING GROUP AND WI-FI ALLIANCE; HAS CHAIRED THE IEEE COMPUTER SOCIETY (DAYTON SECTION) AND VARIOUS CONFERENCES; AND SERVED AS EXPERT WITNESS IN PATENT LITIGATION RELATED TO WIRELESS AND CELLULAR TECHNOLOGIES. REVIEW KEY 802.11 CONCEPTS, APPLICATIONS, MARKETS, AND TECHNOLOGIES COMPARE AD HOC, MESH, AND INFRASTRUCTURE WLANS AND THEIR COMPONENTS CONSIDER THE IMPACT OF RADIO SIGNAL INTERFERENCE, SECURITY VULNERABILITIES, MULTIPATH PROPAGATION, ROAMING, AND BATTERY LIMITATIONS THOROUGHLY UNDERSTAND TODAY'S 802.11 STANDARDS IN THE CONTEXT OF ACTUAL NETWORK DEPLOYMENT AND SUPPORT PLAN YOUR DEPLOYMENT: SCOPING, STAFFING, SCHEDULES, BUDGETS, RISKS, FEASIBILITY ANALYSIS, AND REQUIREMENTS ARCHITECT ACCESS NETWORKS AND DISTRIBUTION SYSTEM FOR MAXIMUM RELIABILITY, MANAGEABILITY, AND PERFORMANCE MAKE THE RIGHT TRADEOFFS AND DECISIONS TO OPTIMIZE RANGE, PERFORMANCE, AND ROAMING SECURE WLANS VIA ENCRYPTION, AUTHENTICATION, ROGUE AP DETECTION, RF SHIELDING, AND POLICIES MASTER DESIGN AND SITE SURVEY TOOLS AND METHODS FOR PLANNING 802.11AC NETWORKS AND MIGRATIONS EFFICIENTLY INSTALL AND TEST ANY 802.11AC OR 802.11N WIRELESS NETWORK ESTABLISH SPECIALIZED SUPPORT FOR WIRELESS NETWORKS, INCLUDING HELP DESK OPERATIONS SYSTEMATICALLY TROUBLESHOOT CONNECTIVITY, PERFORMANCE, AND ROAMING ISSUES DESIGN EFFICIENT MESH NETWORKS AND CITY-WIDE DEPLOYMENTS

Wi-Fi Technologies and Applications - BENNY BING 2017-09

WI-FI HAS BECOME THE MAINSTREAM TECHNOLOGY FOR FIXED AND MOBILE OPERATORS, AS WELL AS THE RETAIL AND HOSPITALITY INDUSTRY IN MEETING BUSINESS CHALLENGES. WI-FI DATA RATES AND SPECTRAL EFFICIENCIES HAVE CONTINUED TO IMPROVE OVER THE PAST TWO DECADES. THIS BOOK COVERS THE FOUNDATIONAL PRINCIPLES OF WI-FI, INCLUDING THE LATEST TECHNOLOGIES AND APPLICATIONS. IT IS THE FIRST BOOK TO DISCUSS THE TECHNICAL DETAILS OF THE EMERGING 802.11AX AMENDMENT AND PROVIDE A COMPARATIVE ASSESSMENT OF 802.11AC AND 802.11AX. THE BOOK ALSO DESCRIBES PRACTICAL ISSUES IN WI-FI PERFORMANCE OPTIMIZATION AND LTE-UNLICENSED COEXISTENCE. MORE SPECIFICALLY, IT COVERS ORTHOGONAL FREQUENCY DIVISION MULTIPLE ACCESS, MULTI-USER MULTI-ANTENNA TECHNOLOGIES, BEAMFORMING PROTOCOLS, DYNAMIC CHANNEL SWITCHING, OPERATING RANGE VERSUS RATE TRADEOFFS, INTERNET OF THINGS (802.11AH), COGNITIVE RADIO (802.11AF), AND CHALLENGING WI-FI DEPLOYMENTS SUCH AS LARGE-SCALE MESH NETWORKS, LONG-RANGE POINT-TO-POINT NETWORKS, UNMANNED AIRCRAFTS, DRONES AND FLYING HOTSPOTS, NAVAL SENSORS AND SONOBUOYS, UNDERSEA ENVIRONMENTAL MONITORING, COMMUNICATING BALLOONS, AND LOCATION MANAGEMENT SYSTEMS. AS YOU WILL DISCOVER, WI-FI TECHNOLOGIES ARE NEVER STANDING STILL BUT CONSTANTLY EVOLVING. AT THE SAME TIME, WI-FI APPLICATIONS ARE BECOMING MORE PERVASIVE AND DIVERSE THAN BEFORE.

WIRELESS NETWORKING ABSOLUTE BEGINNER'S GUIDE - MICHAEL MILLER 2013-02-08

MAKE THE MOST OF YOUR WIRELESS NETWORK...WITHOUT BECOMING A TECHNICAL EXPERT! THIS BOOK IS THE FASTEST WAY TO CONNECT ALL YOUR WIRELESS DEVICES, GET GREAT PERFORMANCE WITH EVERYTHING FROM STREAMING MEDIA TO PRINTING, STAY SAFE AND SECURE, AND DO MORE WITH WI-FI THAN YOU EVER THOUGHT POSSIBLE! EVEN IF YOU'VE NEVER SET UP OR RUN A NETWORK BEFORE, THIS BOOK WILL SHOW YOU HOW TO DO WHAT YOU WANT, ONE INCREDIBLY CLEAR AND EASY STEP AT A TIME. WIRELESS NETWORKING HAS NEVER, EVER BEEN THIS SIMPLE! WHO KNEW HOW SIMPLE WIRELESS NETWORKING COULD BE? THIS IS TODAY'S BEST BEGINNER'S GUIDE TO CREATING, USING, TROUBLESHOOTING, AND DOING MORE WITH YOUR WIRELESS NETWORK...SIMPLE, PRACTICAL INSTRUCTIONS FOR DOING EVERYTHING YOU REALLY WANT TO DO, AT HOME OR IN YOUR BUSINESS! HERE'S A SMALL SAMPLE OF WHAT YOU'LL LEARN: • BUY THE RIGHT EQUIPMENT WITHOUT OVERSPENDING • RELIABLY CONNECT WINDOWS PCs, MACS, iPADS, ANDROID TABLETS, GAME CONSOLES, BLU-RAY PLAYERS, SMARTPHONES, AND MORE • GET GREAT PERFORMANCE FROM ALL YOUR NETWORKED DEVICES • SMOOTHLY STREAM MEDIA WITHOUT CLOGGING YOUR ENTIRE NETWORK • STORE MUSIC AND MOVIES SO YOU CAN PLAY THEM ANYWHERE IN YOUR HOME • KEEP NEIGHBORS AND SNOOPERS OUT OF YOUR NETWORK • SHARE THE FILES YOU WANT TO SHARE-AND KEEP EVERYTHING ELSE PRIVATE • AUTOMATICALLY BACK UP YOUR DATA ACROSS THE NETWORK • PRINT FROM ANYWHERE IN THE HOUSE-OR FROM ANYWHERE ON EARTH • EXTEND YOUR NETWORK TO WORK

RELIABLY IN LARGER HOMES OR OFFICES • SET UP A “GUEST NETWORK” FOR VISITING FRIENDS AND FAMILY • VIEW STREAMING VIDEOS AND OTHER WEB CONTENT ON YOUR LIVING ROOM TV • CONTROL YOUR NETWORKED DEVICES WITH YOUR SMARTPHONE OR TABLET • CONNECT TO WI-FI HOTSPOTS AND GET ONLINE IN YOUR CAR • FIND AND LOG ONTO HOTSPOTS, BOTH PUBLIC AND HIDDEN • QUICKLY TROUBLESHOOT COMMON WIRELESS NETWORK PROBLEMS

MICHAEL MILLER IS THE WORLD’S #1 AUTHOR OF BEGINNING COMPUTER BOOKS. HE HAS WRITTEN MORE THAN 100 BEST-SELLING BOOKS OVER THE PAST TWO DECADES, EARNING AN INTERNATIONAL REPUTATION FOR HIS FRIENDLY AND EASY-TO-READ STYLE, PRACTICAL REAL-WORLD ADVICE, TECHNICAL ACCURACY, AND EXCEPTIONAL ABILITY TO DEMYSTIFY COMPLEX TOPICS. HIS BOOKS FOR QUE INCLUDE COMPUTER BASICS ABSOLUTE BEGINNER’S GUIDE; FACEBOOK FOR GROWN-UPS; MY PINTEREST; ULTIMATE DIGITAL MUSIC GUIDE; SPEED IT UP! A NON-TECHNICAL GUIDE FOR SPEEDING UP SLOW PCs, AND GOOGLEPEDIA: THE ULTIMATE GOOGLE RESOURCE. CATEGORY: NETWORKING COVERS: WIRELESS NETWORKING USER LEVEL: BEGINNING

BUILDING A PENTESTING LAB FOR WIRELESS NETWORKS - VYACHESLAV FADYUSHIN 2016-03-28

BUILD YOUR OWN SECURE ENTERPRISE OR HOME PENETRATION TESTING LAB TO DIG INTO THE VARIOUS HACKING TECHNIQUES ABOUT THIS BOOK DESIGN AND BUILD AN EXTENDABLE PENETRATION TESTING LAB WITH WIRELESS ACCESS SUITABLE FOR HOME AND ENTERPRISE USE FILL THE LAB WITH VARIOUS COMPONENTS AND CUSTOMIZE THEM ACCORDING TO YOUR OWN NEEDS AND SKILL LEVEL SECURE YOUR LAB FROM UNAUTHORIZED ACCESS AND EXTERNAL ATTACKS WHO THIS BOOK IS FOR IF YOU ARE A BEGINNER OR A SECURITY PROFESSIONAL WHO WISHES TO LEARN TO BUILD A HOME OR ENTERPRISE LAB ENVIRONMENT WHERE YOU CAN SAFELY PRACTICE PENETRATION TESTING TECHNIQUES AND IMPROVE YOUR HACKING SKILLS, THEN THIS BOOK IS FOR YOU. NO PRIOR PENETRATION TESTING EXPERIENCE IS REQUIRED, AS THE LAB ENVIRONMENT IS SUITABLE FOR VARIOUS SKILL LEVELS AND IS USED FOR A WIDE RANGE OF TECHNIQUES FROM BASIC TO ADVANCE. WHETHER YOU ARE BRAND NEW TO ONLINE LEARNING OR YOU ARE A SEASONED EXPERT, YOU WILL BE ABLE TO SET UP YOUR OWN HACKING PLAYGROUND DEPENDING ON YOUR TASKS. WHAT YOU WILL LEARN DETERMINE YOUR NEEDS AND CHOOSE THE APPROPRIATE LAB COMPONENTS FOR THEM BUILD A VIRTUAL OR HARDWARE LAB NETWORK IMITATE AN ENTERPRISE NETWORK AND PREPARE INTENTIONALLY VULNERABLE SOFTWARE AND SERVICES SECURE WIRED AND WIRELESS ACCESS TO YOUR LAB CHOOSE A PENETRATION TESTING FRAMEWORK ACCORDING TO YOUR NEEDS ARM YOUR OWN WIRELESS HACKING PLATFORM GET TO KNOW THE METHODS TO CREATE A STRONG DEFENSE MECHANISM FOR YOUR SYSTEM IN DETAIL STARTING WITH THE BASICS OF WIRELESS NETWORKING AND ITS ASSOCIATED RISKS, WE WILL GUIDE YOU THROUGH THE STAGES OF CREATING A PENETRATION TESTING LAB WITH WIRELESS ACCESS AND PREPARING YOUR WIRELESS PENETRATION TESTING MACHINE. THIS BOOK WILL GUIDE YOU THROUGH CONFIGURING HARDWARE AND VIRTUAL NETWORK DEVICES, FILLING THE LAB NETWORK WITH APPLICATIONS AND SECURITY SOLUTIONS,

AND MAKING IT LOOK AND WORK LIKE A REAL ENTERPRISE NETWORK. THE RESULTING LAB PROTECTED WITH WPA-ENTERPRISE WILL LET YOU PRACTICE MOST OF THE ATTACK TECHNIQUES USED IN PENETRATION TESTING PROJECTS. ALONG WITH A REVIEW OF PENETRATION TESTING FRAMEWORKS, THIS BOOK IS ALSO A DETAILED MANUAL ON PREPARING A PLATFORM FOR WIRELESS PENETRATION TESTING. BY THE END OF THIS BOOK, YOU WILL BE AT THE POINT WHEN YOU CAN PRACTICE, AND RESEARCH WITHOUT WORRYING ABOUT YOUR LAB ENVIRONMENT FOR EVERY TASK. STYLE AND APPROACH THIS IS AN EASY-TO-FOLLOW GUIDE FULL OF HANDS-ON EXAMPLES AND RECIPES. EACH TOPIC IS EXPLAINED THOROUGHLY AND SUPPLIES YOU WITH THE NECESSARY CONFIGURATION SETTINGS. YOU CAN PICK THE RECIPES YOU WANT TO FOLLOW DEPENDING ON THE TASK YOU NEED TO PERFORM.

HANDS-ON NETWORK FORENSICS - NIPUN JASWAL 2019-03-30

GAIN BASIC SKILLS IN NETWORK FORENSICS AND LEARN HOW TO APPLY THEM EFFECTIVELY KEY FEATURES INVESTIGATE NETWORK THREATS WITH EASE PRACTICE FORENSICS TASKS SUCH AS INTRUSION DETECTION, NETWORK ANALYSIS, AND SCANNING LEARN FORENSICS INVESTIGATION AT THE NETWORK LEVEL

BOOK DESCRIPTION NETWORK FORENSICS IS A SUBSET OF DIGITAL FORENSICS THAT DEALS WITH NETWORK ATTACKS AND THEIR INVESTIGATION. IN THE ERA OF NETWORK ATTACKS AND MALWARE THREAT, IT’S NOW MORE IMPORTANT THAN EVER TO HAVE SKILLS TO INVESTIGATE NETWORK ATTACKS AND VULNERABILITIES. HANDS-ON NETWORK FORENSICS STARTS WITH THE CORE CONCEPTS WITHIN NETWORK FORENSICS, INCLUDING CODING, NETWORKING, FORENSICS TOOLS, AND METHODOLOGIES FOR FORENSIC INVESTIGATIONS. YOU’LL THEN EXPLORE THE TOOLS USED FOR NETWORK FORENSICS, FOLLOWED BY UNDERSTANDING HOW TO APPLY THOSE TOOLS TO A PCAP FILE AND WRITE THE ACCOMPANYING REPORT. IN ADDITION TO THIS, YOU WILL UNDERSTAND HOW STATISTICAL FLOW ANALYSIS, NETWORK ENUMERATION, TUNNELING AND ENCRYPTION, AND MALWARE DETECTION CAN BE USED TO INVESTIGATE YOUR NETWORK. TOWARDS THE END OF THIS BOOK, YOU WILL DISCOVER HOW NETWORK CORRELATION WORKS AND HOW TO BRING ALL THE INFORMATION FROM DIFFERENT TYPES OF NETWORK DEVICES TOGETHER. BY THE END OF THIS BOOK, YOU WILL HAVE GAINED HANDS-ON EXPERIENCE OF PERFORMING FORENSICS ANALYSIS TASKS. WHAT YOU WILL LEARN DISCOVER AND INTERPRET ENCRYPTED TRAFFIC LEARN ABOUT VARIOUS PROTOCOLS UNDERSTAND THE MALWARE LANGUAGE OVER WIRE

GAIN INSIGHTS INTO THE MOST WIDELY USED MALWARE CORRELATE DATA COLLECTED FROM ATTACKS DEVELOP TOOLS AND CUSTOM SCRIPTS FOR NETWORK FORENSICS AUTOMATION WHO THIS BOOK IS FOR THE BOOK TARGETS INCIDENT RESPONDERS, NETWORK ENGINEERS, ANALYSTS, FORENSIC ENGINEERS AND NETWORK ADMINISTRATORS WHO WANT TO EXTEND THEIR KNOWLEDGE FROM THE SURFACE TO THE DEEP LEVELS OF UNDERSTANDING THE SCIENCE BEHIND NETWORK PROTOCOLS, CRITICAL INDICATORS IN AN INCIDENT AND CONDUCTING A FORENSIC SEARCH OVER THE WIRE.

IPv6 DEPLOYMENT GUIDE - 6NET 2008

IPv6 IS REPLACING IPv4 TO DOMINATE THE NETWORKING WORLD. THIS DEPLOYMENT GUIDE WILL ENABLE YOU TO FULLY HARNESS THE POWER OF IPv6. A "MUST HAVE" REFERENCE FOR IT/NETWORKING PROFESSIONALS AND STUDENTS!

DATA-CENTRIC BUSINESS AND APPLICATIONS - NATALIA KRYVINSKA 2018-07-16

THIS BOOK DISCUSSES PROCESSES AND PROCEDURES IN INFORMATION/DATA PROCESSING AND MANAGEMENT. THE GLOBAL MARKET IS BECOMING MORE AND MORE COMPLEX WITH AN INCREASED AVAILABILITY OF DATA AND INFORMATION, AND AS A RESULT DOING BUSINESS WITH INFORMATION IS BECOMING MORE POPULAR, WITH A SIGNIFICANT IMPACT ON MODERN SOCIETY IMMENSELY. THIS MEANS THAT THERE IS A GROWING NEED FOR A COMMON UNDERSTANDING OF HOW TO CREATE, ACCESS, USE AND MANAGE BUSINESS INFORMATION. AS SUCH THIS BOOK EXPLORES DIFFERENT ASPECTS OF DATA AND INFORMATION PROCESSING, INCLUDING INFORMATION GENERATION, REPRESENTATION, STRUCTURING, ORGANIZATION, STORAGE, RETRIEVAL, NAVIGATION, HUMAN FACTORS IN INFORMATION SYSTEMS, AND THE USE OF INFORMATION. IT ALSO ANALYZES THE CHALLENGES AND OPPORTUNITIES OF DOING BUSINESS WITH INFORMATION, AND PRESENTS VARIOUS PERSPECTIVES ON BUSINESS INFORMATION MANAGING.

CWT-100 - TOM CARPENTER 2017-09-30

THE CWT OFFICIAL STUDY GUIDE COVERS ALL OBJECTIVES FOR THE CWT-2017 EXAM AND PREPARES THE STUDENT TO INSTALL, CONFIGURED AND TROUBLESHOOTING BASIC 802.11 WIRELESS TECHNOLOGIES.

NETWORK ANALYSIS USING WIRESHARK COOKBOOK - YORAM ORZACH 2013-12-24

NETWORK ANALYSIS USING WIRESHARK COOKBOOK CONTAINS MORE THAN 100 PRACTICAL RECIPES FOR ANALYZING YOUR NETWORK AND TROUBLESHOOTING PROBLEMS IN THE NETWORK. THIS BOOK PROVIDES YOU WITH SIMPLE AND PRACTICAL RECIPES ON HOW TO SOLVE NETWORKING PROBLEMS WITH A STEP-BY-STEP APPROACH. THIS BOOK IS AIMED AT RESEARCH AND DEVELOPMENT PROFESSIONALS, ENGINEERING AND TECHNICAL SUPPORT, AND IT AND COMMUNICATIONS MANAGERS WHO ARE USING WIRESHARK FOR NETWORK ANALYSIS AND TROUBLESHOOTING. THIS BOOK REQUIRES A BASIC UNDERSTANDING OF NETWORKING CONCEPTS, BUT DOES NOT REQUIRE SPECIFIC AND DETAILED TECHNICAL KNOWLEDGE OF PROTOCOLS OR VENDOR IMPLEMENTATIONS.

MOBILE DEVICE SECURITY - STEPHEN FRIED 2010-06-16

AS EACH GENERATION OF PORTABLE ELECTRONIC DEVICES AND STORAGE MEDIA BECOMES SMALLER, HIGHER IN CAPACITY, AND EASIER TO TRANSPORT, IT'S BECOMING INCREASINGLY DIFFICULT TO PROTECT THE DATA ON THESE DEVICES WHILE STILL ENABLING THEIR PRODUCTIVE USE IN THE WORKPLACE. EXPLAINING HOW MOBILE DEVICES CAN CREATE BACKDOOR SECURITY THREATS, MOBILE DEVICE SECURITY: A COMPREHENSIVE GUIDE TO SECURING YOUR INFORMATION IN A MOVING WORLD SPECIFIES IMMEDIATE ACTIONS YOU CAN TAKE TO DEFEND AGAINST THESE THREATS. IT BEGINS BY INTRODUCING AND DEFINING THE CONCEPTS ESSENTIAL TO UNDERSTANDING THE SECURITY THREATS TO CONTEMPORARY MOBILE DEVICES, AND THEN TAKES READERS THROUGH ALL THE POLICY, PROCESS, AND TECHNOLOGY DECISIONS THAT MUST

BE MADE TO CREATE AN EFFECTIVE SECURITY STRATEGY. HIGHLIGHTING THE RISKS INHERENT WHEN MOBILIZING DATA, THE TEXT SUPPLIES A PROVEN METHODOLOGY FOR IDENTIFYING, ANALYZING, AND EVALUATING THESE RISKS. IT EXAMINES THE VARIOUS METHODS USED TO STORE AND TRANSPORT MOBILE DATA AND ILLUSTRATES HOW THE SECURITY OF THAT DATA CHANGES AS IT MOVES FROM PLACE TO PLACE. ADDRESSING THE TECHNICAL, OPERATIONAL, AND COMPLIANCE ISSUES RELEVANT TO A COMPREHENSIVE MOBILE SECURITY POLICY, THE TEXT: PROVIDES METHODS FOR MODELING THE INTERACTION BETWEEN MOBILE DATA AND MOBILE DEVICES—DETAILING THE ADVANTAGES AND DISADVANTAGES OF EACH EXPLAINS HOW TO USE ENCRYPTION AND ACCESS CONTROLS TO PROTECT YOUR DATA DESCRIBES HOW TO LAYER DIFFERENT TECHNOLOGIES TO CREATE A RESILIENT MOBILE DATA PROTECTION PROGRAM PROVIDES EXAMPLES OF EFFECTIVE MOBILE SECURITY POLICIES AND DISCUSSES THE IMPLICATIONS OF DIFFERENT POLICY APPROACHES HIGHLIGHTS THE ESSENTIAL ELEMENTS OF A MOBILE SECURITY BUSINESS CASE AND PROVIDES EXAMPLES OF THE INFORMATION SUCH PROPOSALS SHOULD CONTAIN REVIEWS THE MOST COMMON MOBILE DEVICE CONTROLS AND DISCUSSES THE OPTIONS FOR IMPLEMENTING THEM IN YOUR MOBILE ENVIRONMENT SECURING YOUR MOBILE DATA REQUIRES THE PROPER BALANCE BETWEEN SECURITY, USER ACCEPTANCE, TECHNOLOGY CAPABILITIES, AND RESOURCE COMMITMENT. SUPPLYING REAL-LIFE EXAMPLES AND AUTHORITATIVE GUIDANCE, THIS COMPLETE RESOURCE WALKS YOU THROUGH THE PROCESS OF CREATING AN EFFECTIVE MOBILE SECURITY PROGRAM AND PROVIDES THE UNDERSTANDING REQUIRED TO DEVELOP A CUSTOMIZED APPROACH TO SECURING YOUR INFORMATION.

IoT FUNDAMENTALS - DAVID HANES 2017-05-30

TODAY, BILLIONS OF DEVICES ARE INTERNET-CONNECTED, IoT STANDARDS AND PROTOCOLS ARE STABILIZING, AND TECHNICAL PROFESSIONALS MUST INCREASINGLY SOLVE REAL PROBLEMS WITH IoT TECHNOLOGIES. NOW, FIVE LEADING CISCO IoT EXPERTS PRESENT THE FIRST COMPREHENSIVE, PRACTICAL REFERENCE FOR MAKING IoT WORK. IoT FUNDAMENTALS BRINGS TOGETHER KNOWLEDGE PREVIOUSLY AVAILABLE ONLY IN WHITE PAPERS, STANDARDS DOCUMENTS, AND OTHER HARD-TO-FIND SOURCES—OR NOWHERE AT ALL. THE AUTHORS BEGIN WITH A HIGH-LEVEL OVERVIEW OF IoT AND INTRODUCE KEY CONCEPTS NEEDED TO SUCCESSFULLY DESIGN IoT SOLUTIONS. NEXT, THEY WALK THROUGH EACH KEY TECHNOLOGY, PROTOCOL, AND TECHNICAL BUILDING BLOCK THAT COMBINE INTO COMPLETE IoT SOLUTIONS. BUILDING ON THESE ESSENTIALS, THEY PRESENT SEVERAL DETAILED USE CASES, INCLUDING MANUFACTURING, ENERGY, UTILITIES, SMART+CONNECTED CITIES, TRANSPORTATION, MINING, AND PUBLIC SAFETY. WHATEVER YOUR ROLE OR EXISTING INFRASTRUCTURE, YOU'LL GAIN DEEP INSIGHT WHAT IoT APPLICATIONS CAN DO, AND WHAT IT TAKES TO DELIVER THEM. FULLY COVERS THE PRINCIPLES AND COMPONENTS OF NEXT-GENERATION WIRELESS NETWORKS BUILT WITH CISCO IOT SOLUTIONS SUCH AS IEEE 802.11 (Wi-Fi), IEEE 802.15.4-2015 (Mesh), AND LoRaWAN BRINGS TOGETHER REAL-WORLD TIPS, INSIGHTS, AND BEST PRACTICES FOR DESIGNING AND IMPLEMENTING NEXT-GENERATION WIRELESS NETWORKS PRESENTS START-TO-FINISH CONFIGURATION

EXAMPLES FOR COMMON DEPLOYMENT SCENARIOS REFLECTS THE EXTENSIVE FIRST-HAND EXPERIENCE OF CISCO EXPERTS
CompTIA Network+ N10-006 CERT GUIDE - KEITH BARKER 2015

THIS APPROVED STUDY GUIDE HELPS YOU MASTER TOPICS ON THE CompTIA Network+ N10-006 EXAM, INCLUDING THE FOLLOWING: COMPUTER NETWORK FUNDAMENTALS THE OSI MODEL AND TCP/IP STACK MEDIA TYPES, INFRASTRUCTURE COMPONENTS, AND NETWORK DEVICES ETHERNET TECHNOLOGY IPv4 AND IPv6 ADDRESSES ROUTING IP TRAFFIC WITH DYNAMIC ROUTING PROTOCOLS DNAT, SNAT, AND PAT MULTICAST ROUTING WIDE AREA NETWORKS (WANs) WIRELESS LANs NETWORK OPTIMIZATION AND QoS WINDOWS AND UNIX COMMAND-LINE TOOLS FOR NETWORK ADMINISTRATION AND TROUBLESHOOTING NETWORK SECURITY TROUBLESHOOTING COMMON LAYER 2, LAYER 3, AND WIRELESS NETWORKING ISSUES CompTIA Network+ N10-006 CERT GUIDE CONTAINS PROVEN STUDY FEATURES THAT ENABLE YOU TO SUCCEED ON THE EXAM THE FIRST TIME. BEST-SELLING AUTHORS AND EXPERT INSTRUCTORS KEITH BARKER AND KEVIN WALLACE SHARE PREPARATION HINTS AND TEST-TAKING TIPS, HELPING YOU IDENTIFY AREAS OF WEAKNESS AND IMPROVE BOTH YOUR CONCEPTUAL KNOWLEDGE AND HANDS-ON SKILLS, ESSENTIAL FOR SUCCESSFUL COMPLETION OF THE PERFORMANCE-BASED TESTING ITEMS ON THE EXAM. THIS COMPLETE, CompTIA-APPROVED STUDY PACKAGE INCLUDES THE FOLLOWING: A TEST-PREPARATION ROUTINE PROVEN TO HELP YOU PASS THE EXAMS APPROVED BY CompTIA CLEARLY DEFINED CHAPTER LEARNING OBJECTIVES COVERING ALL N10-006 EXAM TOPICS CHAPTER-ENDING REVIEW QUESTIONS AND EXAM PREPARATION EXERCISES, WHICH HELP YOU DRILL ON KEY CONCEPTS YOU MUST KNOW THOROUGHLY THE POWERFUL PEARSON IT CERTIFICATION PRACTICE TEST SOFTWARE, COMPLETE WITH HUNDREDS OF WELL REVIEWED, EXAM-REALISTIC QUESTIONS, CUSTOMIZATION OPTIONS, AND DETAILED PERFORMANCE REPORTS 40 PERFORMANCE-BASED PRACTICE QUESTION EXERCISES TO HELP YOU PREPARE FOR THE HANDS-ON EXAM QUESTIONS AN 80% DISCOUNT OFF THE PREMIUM EDITION eBook AND PRACTICE TEST (A \$40 VALUE!) A FREE COPY OF THE CompTIA Network+ SIMULATOR LITE SOFTWARE, COMPLETE WITH MEANINGFUL LAB EXERCISES THAT HELP YOU HONE YOUR HANDS-ON SKILLS MORE THAN 60 MINUTES OF VIDEO MENTORING FROM THE AUTHOR A FINAL PREPARATION CHAPTER THAT GUIDES YOU THROUGH TOOLS AND RESOURCES TO HELP YOU CRAFT YOUR REVIEW AND TEST-TAKING STRATEGIES AN EXAM ESSENTIALS APPENDIX THAT QUICKLY RECAPS ALL MAJOR CHAPTER TOPICS FOR EASY REFERENCE, BOTH IN PRINT AND INTERACTIVE DIGITAL FORMAT A KEY TERMS GLOSSARY IN BOTH PRINT AND ON THE DVD, WHICH ACTS AS AN INTERACTIVE FLASH-CARD APPLICATION STUDY PLAN SUGGESTIONS AND TEMPLATES TO HELP YOU ORGANIZE AND OPTIMIZE YOUR STUDY TIME A 10% EXAM DISCOUNT VOUCHER (A \$27 VALUE!) WELL REGARDED FOR ITS LEVEL O...

MILLIMETER WAVE WIRELESS COMMUNICATIONS - THEODORE S. RAPPAPORT 2015

THE DEFINITIVE, COMPREHENSIVE GUIDE TO CUTTING-EDGE MILLIMETER WAVE WIRELESS DESIGN “THIS IS A GREAT BOOK

ON MMWAVE SYSTEMS THAT COVERS MANY ASPECTS OF THE TECHNOLOGY TARGETED FOR BEGINNERS ALL THE WAY TO THE ADVANCED USERS. THE AUTHORS ARE SOME OF THE MOST CREDIBLE SCHOLARS I KNOW OF WHO ARE WELL RESPECTED BY THE INDUSTRY. I HIGHLY RECOMMEND STUDYING THIS BOOK IN DETAIL.” —ALI SADRI, PH.D., SR. DIRECTOR, INTEL CORPORATION, MCG MMWAVE STANDARDS AND ADVANCED TECHNOLOGIES MILLIMETER WAVE (MMWAVE) IS TODAY’S BREAKTHROUGH FRONTIER FOR EMERGING WIRELESS MOBILE CELLULAR NETWORKS, WIRELESS LOCAL AREA NETWORKS, PERSONAL AREA NETWORKS, AND VEHICULAR COMMUNICATIONS. IN THE NEAR FUTURE, MMWAVE PRODUCTS, SYSTEMS, THEORIES, AND DEVICES WILL COME TOGETHER TO DELIVER MOBILE DATA RATES THOUSANDS OF TIMES FASTER THAN TODAY’S EXISTING CELLULAR AND WiFi NETWORKS. IN MILLIMETER WAVE WIRELESS COMMUNICATIONS, FOUR OF THE FIELD’S PIONEERS DRAW ON THEIR IMMENSE EXPERIENCE AS RESEARCHERS, ENTREPRENEURS, INVENTORS, AND CONSULTANTS, EMPOWERING ENGINEERS AT ALL LEVELS TO SUCCEED WITH MMWAVE. THEY DELIVER EXCEPTIONALLY CLEAR AND USEFUL GUIDANCE FOR NEWCOMERS, AS WELL AS THE FIRST COMPLETE DESK REFERENCE FOR DESIGN EXPERTS. THE AUTHORS EXPLAIN MMWAVE SIGNAL PROPAGATION, MMWAVE CIRCUIT DESIGN, ANTENNA DESIGNS, COMMUNICATION THEORY, AND CURRENT STANDARDS (INCLUDING IEEE 802.15.3c, WIRELESS HD, AND ECMA/WiMEDIA). THEY COVER COMPREHENSIVE MMWAVE WIRELESS DESIGN ISSUES, FOR 60 GHz AND OTHER MMWAVE BANDS, FROM CHANNEL TO ANTENNA TO RECEIVER, INTRODUCING EMERGING DESIGN TECHNIQUES THAT WILL BE INVALUABLE FOR RESEARCH ENGINEERS IN BOTH INDUSTRY AND ACADEMIA. TOPICS INCLUDE FUNDAMENTALS: COMMUNICATION THEORY, CHANNEL PROPAGATION, CIRCUITS, ANTENNAS, ARCHITECTURES, CAPABILITIES, AND APPLICATIONS DIGITAL COMMUNICATION: BASEBAND SIGNAL/CHANNEL MODELS, MODULATION, EQUALIZATION, ERROR CONTROL CODING, MULTIPLE INPUT MULTIPLE OUTPUT (MIMO) PRINCIPLES, AND HARDWARE ARCHITECTURES RADIO WAVE PROPAGATION CHARACTERISTICS: INDOOR AND OUTDOOR APPLICATIONS ANTENNAS/ANTENNA ARRAYS, INCLUDING ON-CHIP AND IN-PACKAGE ANTENNAS, FABRICATION, AND PACKAGING ANALOG CIRCUIT DESIGN: MMWAVE TRANSISTORS, FABRICATION, AND TRANSCIVER DESIGN APPROACHES BASEBAND CIRCUIT DESIGN: MULTI-GIGABIT-PER-SECOND, HIGH-FIDELITY DAC AND ADC CONVERTERS PHYSICAL LAYER: ALGORITHMIC CHOICES, DESIGN CONSIDERATIONS, AND IMPAIRMENT SOLUTIONS; AND HOW TO OVERCOME CLIPPING, QUANTIZATION, AND NONLINEARITY HIGHER-LAYER DESIGN: BEAM ADAPTATION PROTOCOLS, RELAYING, MULTIMEDIA TRANSMISSION, AND MULTIBAND CONSIDERATIONS 60 GHz STANDARDIZATION: IEEE 802.15.3c FOR WPAN, WIRELESS HD, ECMA-387, IEEE 802.11ad, WIRELESS GIGABIT ALLIANCE (WiGig)
THE ESSENTIAL GUIDE TO TELECOMMUNICATIONS - ANNABEL Z. DODD 2019-03-19

“ANNABEL DODD HAS COGENTLY UNTANGLED THE WIRES AND SWITCHES AND TECHNOBABBLE OF THE TELECOMMUNICATIONS REVOLUTION AND EXPLAINED HOW THE INTRODUCTION OF THE WORD ‘DIGITAL’ INTO OUR LEGISLATIVE AND REGULATORY LEXICON WILL AFFECT CONSUMERS, COMPANIES AND SOCIETY

INTO THE NEXT MILLENNIUM.” – UNITED STATES SENATOR EDWARD J. MARKEY OF MASSACHUSETTS; MEMBER, U.S. SENATE SUBCOMMITTEE ON COMMUNICATIONS, TECHNOLOGY, INNOVATION, AND THE INTERNET “ANNABEL DODD HAS A UNIQUE KNACK FOR EXPLAINING COMPLEX TECHNOLOGIES IN UNDERSTANDABLE WAYS. THIS LATEST REVISION OF HER BOOK COVERS THE RAPID CHANGES IN THE FIELDS OF BROADBAND, CELLULAR, AND STREAMING TECHNOLOGIES; NEWLY DEVELOPING 5G NETWORKS; AND THE CONSTANT CHANGES HAPPENING IN BOTH WIRED AND WIRELESS NETWORKS. THIS BOOK IS A MUST-READ FOR ANYONE WHO WANTS TO UNDERSTAND THE RAPIDLY EVOLVING WORLD OF TELECOMMUNICATIONS IN THE 21ST CENTURY!” – DAVID MASH, RETIRED SENIOR VICE PRESIDENT FOR INNOVATION, STRATEGY, AND TECHNOLOGY, BERKLEE COLLEGE OF MUSIC COMPLETELY UPDATED FOR CURRENT TRENDS AND TECHNOLOGIES, THE ESSENTIAL GUIDE TO TELECOMMUNICATIONS, SIXTH EDITION, IS THE WORLD’S TOP-SELLING, ACCESSIBLE GUIDE TO THE FAST-CHANGING GLOBAL TELECOMMUNICATIONS INDUSTRY. WRITING IN EASY-TO-UNDERSTAND LANGUAGE, DODD DEMYSTIFIES TODAY’S MOST SIGNIFICANT TECHNOLOGIES, STANDARDS, ARCHITECTURES, AND TRENDS. SHE INTRODUCES LEADING PROVIDERS WORLDWIDE, EXPLAINS WHERE THEY FIT IN THE MARKETPLACE, AND REVEALS THEIR KEY STRATEGIES. NEW TOPICS COVERED IN THIS EDITION INCLUDE: LTE ADVANCED AND 5G WIRELESS, MODERN SECURITY THREATS AND COUNTERMEASURES, EMERGING APPLICATIONS, AND BREAKTHROUGH TECHNIQUES FOR BUILDING MORE SCALABLE, MANAGEABLE NETWORKS. GAIN A PRACTICAL UNDERSTANDING OF MODERN CELLULAR, WI-FI, INTERNET, CLOUD, AND CARRIER TECHNOLOGIES DISCOVER HOW KEY TECHNICAL, BUSINESS, AND REGULATORY INNOVATIONS ARE CHANGING THE INDUSTRY SEE HOW STREAMING VIDEO, SOCIAL MEDIA, CLOUD COMPUTING, SMARTPHONES, AND THE INTERNET OF THINGS ARE TRANSFORMING NETWORKS EXPLORE GROWING CONCERNS ABOUT SECURITY AND PRIVACY, AND REVIEW MODERN STRATEGIES FOR DETECTING AND MITIGATING NETWORK BREACHES LEARN HOW SOFTWARE DEFINED NETWORKS (SDN) AND NETWORK FUNCTION VIRTUALIZATION (NFV) ADD INTELLIGENCE TO NETWORKS, ENABLING AUTOMATION, FLEXIBLE CONFIGURATIONS, AND ADVANCED NETWORKS PREVIEW CUTTING-EDGE, TELECOM-ENABLED APPLICATIONS AND GEAR-FROM MOBILE PAYMENTS TO DRONES WHETHER YOU’RE AN ASPIRING NETWORK ENGINEER LOOKING FOR A BROAD UNDERSTANDING OF THE INDUSTRY, OR A SALESPERSON, MARKETER, INVESTOR, OR CUSTOMER, THIS INDISPENSABLE GUIDE PROVIDES EVERYTHING YOU NEED TO KNOW ABOUT TELECOMMUNICATIONS RIGHT NOW. THIS NEW EDITION IS IDEAL FOR BOTH SELF-STUDY AND CLASSROOM INSTRUCTION. REGISTER YOUR PRODUCT FOR CONVENIENT ACCESS TO DOWNLOADS, UPDATES, AND/OR CORRECTIONS AS THEY BECOME AVAILABLE.

CCNA WIRELESS 200-355 OFFICIAL CERT GUIDE - DAVID HUCABY 2015-12-22

TRUST THE BEST SELLING OFFICIAL CERT GUIDE SERIES FROM CISCO PRESS TO HELP YOU LEARN, PREPARE, AND PRACTICE FOR EXAM SUCCESS. THIS SERIES IS BUILT WITH THE OBJECTIVE OF PROVIDING ASSESSMENT, REVIEW, AND

PRACTICE TO HELP ENSURE YOU ARE FULLY PREPARED FOR YOUR CERTIFICATION EXAM. MASTER CISCO CCNA WIRELESS 200-355 EXAM TOPICS ASSESS YOUR KNOWLEDGE WITH CHAPTER-OPENING QUIZZES REVIEW KEY CONCEPTS WITH EXAM PREPARATION TASKS THIS IS THE eBook EDITION OF THE CCNA WIRELESS 200-355 OFFICIAL CERT GUIDE. THIS eBook DOES NOT INCLUDE THE COMPANION DVD WITH PRACTICE EXAM THAT COMES WITH THE PRINT EDITION. CCNA WIRELESS 200-355 OFFICIAL CERT GUIDE PRESENTS YOU WITH AN ORGANIZED TEST-PREPARATION ROUTINE THROUGH THE USE OF PROVEN SERIES ELEMENTS AND TECHNIQUES. “DO I KNOW THIS ALREADY?” QUIZZES OPEN EACH CHAPTER AND ENABLE YOU TO DECIDE HOW MUCH TIME YOU NEED TO SPEND ON EACH SECTION. EXAM TOPIC LISTS MAKE REFERENCING EASY. CHAPTER-ENDING EXAM PREPARATION TASKS HELP YOU DRILL ON KEY CONCEPTS YOU MUST KNOW THOROUGHLY. CCNA WIRELESS 200-355 OFFICIAL CERT GUIDE FOCUSES SPECIFICALLY ON THE OBJECTIVES FOR THE CISCO CCNA WIFUND EXAM. LEADING NETWORK ENGINEER AND BEST-SELLING CISCO CERTIFICATION AUTHOR DAVID HUCABY SHARES PREPARATION HINTS AND TEST-TAKING TIPS, HELPING YOU IDENTIFY AREAS OF WEAKNESS AND IMPROVE BOTH YOUR CONCEPTUAL KNOWLEDGE AND HANDS-ON SKILLS. MATERIAL IS PRESENTED IN A CONCISE MANNER, FOCUSING ON INCREASING YOUR UNDERSTANDING AND RETENTION OF EXAM TOPICS. WELL REGARDED FOR ITS LEVEL OF DETAIL, ASSESSMENT FEATURES, COMPREHENSIVE DESIGN SCENARIOS, AND CHALLENGING REVIEW QUESTIONS AND EXERCISES, THIS OFFICIAL STUDY GUIDE HELPS YOU MASTER THE CONCEPTS AND TECHNIQUES THAT WILL ENABLE YOU TO SUCCEED ON THE EXAM THE FIRST TIME. THE OFFICIAL STUDY GUIDE HELPS YOU MASTER ALL THE TOPICS ON THE CCNA WIFUND 200-355 EXAM, INCLUDING RF SIGNALS, MODULATIONS, STANDARDS, AND PERFORMANCE ANTENNA THEORY WIRELESS LAN TOPOLOGIES AND 802.11 FRAME TYPES WIRELESS AP COVERAGE PLANNING CISCO WIRELESS ARCHITECTURES AUTONOMOUS, CLOUD, AND CONTROLLER-BASED DEPLOYMENTS CONTROLLER DISCOVERY, ROAMING, AND RRM WIRELESS SECURITY WLAN CONFIGURATION WIRELESS GUEST NETWORK IMPLEMENTATION CLIENT CONNECTIVITY CISCO WIRELESS NETWORK MANAGEMENT TROUBLESHOOTING INTERFERENCE AND CONNECTIVITY CCNA WIRELESS 200-355 OFFICIAL CERT GUIDE IS PART OF A RECOMMENDED LEARNING PATH FROM CISCO THAT INCLUDES SIMULATION AND HANDS-ON TRAINING FROM AUTHORIZED CISCO LEARNING PARTNERS AND SELF-STUDY PRODUCTS FROM CISCO PRESS. TO FIND OUT MORE ABOUT INSTRUCTOR-LED TRAINING, E-LEARNING, AND HANDS-ON INSTRUCTION OFFERED BY AUTHORIZED CISCO LEARNING PARTNERS WORLDWIDE, PLEASE VISIT [HTTP://WWW.CISCO.COM/WEB/LEARNING/INDEX.HTML](http://www.cisco.com/web/learning/index.html).

WIRELESS COMMUNICATIONS - ANDREA GOLDSMITH
2005-08-08

WIRELESS TECHNOLOGY IS A TRULY REVOLUTIONARY PARADIGM SHIFT, ENABLING MULTIMEDIA COMMUNICATIONS BETWEEN PEOPLE AND DEVICES FROM ANY LOCATION. IT ALSO UNDERPINS EXCITING APPLICATIONS SUCH AS SENSOR NETWORKS, SMART HOMES, TELEMEDICINE, AND AUTOMATED HIGHWAYS. THIS BOOK PROVIDES A COMPREHENSIVE INTRODUCTION TO THE UNDERLYING THEORY, DESIGN

TECHNIQUES AND ANALYTICAL TOOLS OF WIRELESS COMMUNICATIONS, FOCUSING PRIMARILY ON THE CORE PRINCIPLES OF WIRELESS SYSTEM DESIGN. THE BOOK BEGINS WITH AN OVERVIEW OF WIRELESS SYSTEMS AND STANDARDS. THE CHARACTERISTICS OF THE WIRELESS CHANNEL ARE THEN DESCRIBED, INCLUDING THEIR FUNDAMENTAL CAPACITY LIMITS. VARIOUS MODULATION, CODING, AND SIGNAL PROCESSING SCHEMES ARE THEN DISCUSSED IN DETAIL, INCLUDING STATE-OF-THE-ART ADAPTIVE MODULATION, MULTICARRIER, SPREAD SPECTRUM, AND MULTIPLE ANTENNA TECHNIQUES. THE CONCLUDING CHAPTERS DEAL WITH MULTIUSER COMMUNICATIONS, CELLULAR SYSTEM DESIGN, AND AD-HOC NETWORK DESIGN. DESIGN INSIGHTS AND TRADEOFFS ARE EMPHASIZED THROUGHOUT THE BOOK. IT CONTAINS MANY WORKED EXAMPLES, OVER 200 FIGURES, ALMOST 300 HOMEWORK EXERCISES, OVER 700 REFERENCES, AND IS AN IDEAL TEXTBOOK FOR STUDENTS.

PRINCIPLES OF COMPUTER SECURITY LAB MANUAL, FOURTH EDITION - VINCENT NESTLER 2014-10-31

PRACTICE THE COMPUTER SECURITY SKILLS YOU NEED TO SUCCEED! 40+ LAB EXERCISES CHALLENGE YOU TO SOLVE PROBLEMS BASED ON REALISTIC CASE STUDIES STEP-BY-STEP SCENARIOS REQUIRE YOU TO THINK CRITICALLY LAB ANALYSIS TESTS MEASURE YOUR UNDERSTANDING OF LAB RESULTS KEY TERM QUIZZES HELP BUILD YOUR VOCABULARY LABS CAN BE PERFORMED ON A WINDOWS, LINUX, OR MAC PLATFORM WITH THE USE OF VIRTUAL MACHINES IN THIS LAB MANUAL, YOU'LL PRACTICE CONFIGURING WORKSTATION NETWORK CONNECTIVITY ANALYZING NETWORK COMMUNICATION ESTABLISHING SECURE NETWORK APPLICATION COMMUNICATION USING TCP/IP PROTOCOLS PENETRATION TESTING WITH NMAP, METASPLOIT, PASSWORD CRACKING, COBALT STRIKE, AND OTHER TOOLS DEFENDING AGAINST NETWORK APPLICATION ATTACKS, INCLUDING SQL INJECTION, WEB BROWSER EXPLOITS, AND EMAIL ATTACKS COMBATING TROJANS, MAN-IN-THE-MIDDLE ATTACKS, AND STEGANOGRAPHY HARDENING A HOST COMPUTER, USING ANTIVIRUS APPLICATIONS, AND CONFIGURING FIREWALLS SECURING NETWORK COMMUNICATIONS WITH ENCRYPTION, SECURE SHELL (SSH), SECURE COPY (SCP), CERTIFICATES, SSL, AND IPSEC PREPARING FOR AND DETECTING ATTACKS BACKING UP AND RESTORING DATA HANDLING DIGITAL FORENSICS AND INCIDENT RESPONSE INSTRUCTOR RESOURCES AVAILABLE: THIS LAB MANUAL SUPPLEMENTS THE TEXTBOOK PRINCIPLES OF COMPUTER SECURITY, FOURTH EDITION, WHICH IS AVAILABLE SEPARATELY VIRTUAL MACHINE FILES SOLUTIONS TO THE LABS ARE NOT INCLUDED IN THE BOOK AND ARE ONLY AVAILABLE TO ADOPTING INSTRUCTORS

5G OUTLOOK- INNOVATIONS AND APPLICATIONS - RAMJEE PRASAD 2016-07-01

5G OUTLOOK - INNOVATIONS AND APPLICATIONS IS A COLLECTION OF THE RECENT RESEARCH AND DEVELOPMENT IN THE AREA OF THE FIFTH GENERATION MOBILE TECHNOLOGY (5G), THE FUTURE OF WIRELESS COMMUNICATIONS. PLENTY OF NOVEL IDEAS AND KNOWLEDGE OF THE 5G ARE PRESENTED IN THIS BOOK AS WELL AS DIVERS APPLICATIONS FROM HEALTH SCIENCE TO BUSINESS MODELING. THE AUTHORS OF DIFFERENT CHAPTERS CONTRIBUTED FROM VARIOUS COUNTRIES AND ORGANIZATIONS. THE CHAPTERS HAVE ALSO BEEN

PRESENTED AT THE 5TH IEEE 5G SUMMIT HELD IN AALBORG ON JULY 1, 2016. THE BOOK STARTS WITH A COMPREHENSIVE INTRODUCTION ON 5G AND ITS NEED AND REQUIREMENT. THEN MILLIMETER WAVES AS A PROMISING SPECTRUM TO 5G TECHNOLOGY IS DISCUSSED. THE BOOK CONTINUES WITH THE NOVEL AND INSPIRING IDEAS FOR THE FUTURE WIRELESS COMMUNICATION USAGE AND NETWORK. FURTHER, SOME TECHNICAL ISSUES IN SIGNAL PROCESSING AND NETWORK DESIGN FOR 5G ARE PRESENTED. FINALLY, THE BOOK ENDS UP WITH DIFFERENT APPLICATIONS OF 5G IN DISTINCT AREAS. TOPICS WIDELY COVERED IN THIS BOOK ARE: 5G TECHNOLOGY FROM PAST TO PRESENT TO THE FUTURE MILLIMETER- WAVES AND THEIR CHARACTERISTICS SIGNAL PROCESSING AND NETWORK DESIGN ISSUES FOR 5G APPLICATIONS, BUSINESS MODELING AND SEVERAL NOVEL IDEAS FOR THE FUTURE OF 5G

NEXT GENERATION WIRELESS LANS - ELDDAD PERAHIA 2008-08-28

THIS EXCITING AND COMPREHENSIVE OVERVIEW DESCRIBES THE UNDERLYING PRINCIPLES, IMPLEMENTATION DETAILS, AND KEY ENHANCING FEATURES OF THE NEW IEEE 802.11N STANDARD, WHICH HAS BEEN CREATED TO SIGNIFICANTLY IMPROVE NETWORK THROUGHPUT. A DETAILED DISCUSSION OF IMPORTANT STRENGTH AND RELIABILITY ENHANCING FEATURES IS GIVEN IN ADDITION TO A CLEAR SUMMARY OF ANY ISSUES. ADVANCED TOPICS ARE ALSO COVERED. WITH NUMEROUS EXAMPLES AND SIMULATION RESULTS INCLUDED TO HIGHLIGHT THE BENEFITS OF THE NEW FEATURES, THIS IS AN IDEAL REFERENCE FOR DESIGNERS OF WIRELESS LOCAL AREA NETWORK (LAN) EQUIPMENT, AND NETWORK MANAGERS WHOSE SYSTEMS ADOPT THE NEW STANDARD. IT IS ALSO A USEFUL DISTILLATION OF 802.11N TECHNOLOGY FOR GRADUATE STUDENTS AND RESEARCHERS IN THE FIELD OF WIRELESS COMMUNICATION.

CCNA WIRELESS 640-722 OFFICIAL CERT GUIDE - DAVID HUCABY 2014-02-28

TRUST THE BEST-SELLING OFFICIAL CERT GUIDE SERIES FROM CISCO PRESS TO HELP YOU LEARN, PREPARE, AND PRACTICE FOR EXAM SUCCESS. THEY ARE BUILT WITH THE OBJECTIVE OF PROVIDING ASSESSMENT, REVIEW, AND PRACTICE TO HELP ENSURE YOU ARE FULLY PREPARED FOR YOUR CERTIFICATION EXAM. MASTER CISCO CCNA WIRELESS 640-722 EXAM TOPICS ASSESS YOUR KNOWLEDGE WITH CHAPTER-OPENING QUIZZES REVIEW KEY CONCEPTS WITH EXAM PREPARATION TASKS THIS IS THE eBook EDITION OF THE CCNA WIRELESS 640-722 OFFICIAL CERTIFICATION GUIDE. THIS eBook DOES NOT INCLUDE THE COMPANION CD-ROM WITH PRACTICE EXAM THAT COMES WITH THE PRINT EDITION. CCNA WIRELESS 640-722 OFFICIAL CERTIFICATION GUIDE PRESENTS YOU WITH AN ORGANIZED TEST PREPARATION ROUTINE THROUGH THE USE OF PROVEN SERIES ELEMENTS AND TECHNIQUES. "DO I KNOW THIS ALREADY?" QUIZZES OPEN EACH CHAPTER AND ENABLE YOU TO DECIDE HOW MUCH TIME YOU NEED TO SPEND ON EACH SECTION. EXAM TOPIC LISTS MAKE REFERENCING EASY. CHAPTER-ENDING EXAM PREPARATION TASKS HELP YOU DRILL ON KEY CONCEPTS YOU MUST KNOW THOROUGHLY. CCNA WIRELESS 640-722 OFFICIAL CERTIFICATION GUIDE FOCUSES SPECIFICALLY ON THE OBJECTIVES FOR THE CISCO CCNA WIRELESS 640-722

EXAM. EXPERT NETWORK ARCHITECT DAVID HUCABY (CCIE No. 4594) SHARES PREPARATION HINTS AND TEST-TAKING TIPS, HELPING YOU IDENTIFY AREAS OF WEAKNESS AND IMPROVE BOTH YOUR CONCEPTUAL KNOWLEDGE AND HANDS-ON SKILLS. MATERIAL IS PRESENTED IN A CONCISE MANNER, FOCUSING ON INCREASING YOUR UNDERSTANDING AND RETENTION OF EXAM TOPICS. WELL REGARDED FOR ITS LEVEL OF DETAIL, ASSESSMENT FEATURES, COMPREHENSIVE DESIGN SCENARIOS, AND CHALLENGING REVIEW QUESTIONS AND EXERCISES, THIS OFFICIAL STUDY GUIDE HELPS YOU MASTER THE CONCEPTS AND TECHNIQUES THAT WILL ENABLE YOU TO SUCCEED ON THE EXAM THE FIRST TIME. THE OFFICIAL STUDY GUIDE HELPS YOU MASTER ALL THE TOPICS ON THE CCNA WIRELESS 640-722 EXAM, INCLUDING THE FOLLOWING: RF SIGNALS, MODULATION, AND STANDARDS ANTENNAS WLAN TOPOLOGIES, CONFIGURATION, AND TROUBLESHOOTING WIRELESS APs CUWN ARCHITECTURE CONTROLLER CONFIGURATION, DISCOVERY, AND MAINTENANCE ROAMING CLIENT CONFIGURATION RRM WIRELESS SECURITY GUEST NETWORKS WCS NETWORK MANAGEMENT INTERFERENCE CCNA WIRELESS 640-722 OFFICIAL CERTIFICATION GUIDE IS PART OF A RECOMMENDED LEARNING PATH FROM CISCO THAT INCLUDES SIMULATION AND HANDS-ON TRAINING FROM AUTHORIZED CISCO LEARNING PARTNERS AND SELF-STUDY PRODUCTS FROM CISCO PRESS. TO FIND OUT MORE ABOUT INSTRUCTOR-LED TRAINING, E-LEARNING, AND HANDS-ON INSTRUCTION OFFERED BY AUTHORIZED CISCO LEARNING PARTNERS WORLDWIDE, PLEASE VISIT www.cisco.com/go/authorizedtraining.

CWNA CERTIFIED WIRELESS NETWORK ADMINISTRATOR STUDY GUIDE - DAVID D. COLEMAN 2021-03-09

THE #1 SELLING WI-FI NETWORKING REFERENCE GUIDE IN THE WORLD THE CWNA: CERTIFIED WIRELESS NETWORK ADMINISTRATOR STUDY GUIDE IS THE ULTIMATE PREPARATION RESOURCE FOR THE CWNA EXAM. FULLY UPDATED TO ALIGN WITH THE LATEST VERSION OF THE EXAM, THIS BOOK FEATURES EXPERT COVERAGE OF ALL EXAM OBJECTIVES TO HELP YOU PASS THE EXAM. BUT PASSING THE EXAM IS JUST A FIRST STEP. FOR OVER 16 YEARS, THE CWNA STUDY GUIDE HAS HELPED INDIVIDUALS JUMP-START THEIR WIRELESS NETWORKING CAREERS. WIRELESS NETWORKING PROFESSIONALS ACROSS THE GLOBE USE THIS BOOK AS THEIR WORKPLACE REFERENCE GUIDE FOR ENTERPRISE WI-FI TECHNOLOGY. OWNING THIS BOOK PROVIDES YOU WITH A FOUNDATION OF KNOWLEDGE FOR IMPORTANT WI-FI NETWORKING TOPICS, INCLUDING: RADIO FREQUENCY (RF) FUNDAMENTALS 802.11 MAC AND MEDIUM ACCESS WIRELESS LAN TOPOLOGIES AND ARCHITECTURE WLAN DESIGN, TROUBLESHOOTING AND VALIDATION WI-FI NETWORKING SECURITY THE BOOK AUTHORS HAVE OVER 40 YEARS OF COMBINED WI-FI NETWORKING EXPERTISE AND PROVIDE REAL-WORLD INSIGHTS THAT YOU CAN LEVERAGE IN YOUR WIRELESS NETWORKING CAREER. EACH OF THE BOOK'S 20 CHAPTERS BREAKS DOWN COMPLEX TOPICS INTO EASY TO UNDERSTAND NUGGETS OF USEFUL INFORMATION. EACH CHAPTER HAS REVIEW QUESTIONS THAT HELP YOU GAUGE YOUR PROGRESS ALONG THE WAY. ADDITIONALLY, HANDS-ON EXERCISES ALLOW YOU TO PRACTICE APPLYING CWNA CONCEPTS TO REAL-WORLD SCENARIOS. YOU ALSO GET A

YEAR OF FREE ACCESS TO THE SYBEX ONLINE INTERACTIVE LEARNING ENVIRONMENT, WHICH FEATURES ADDITIONAL RESOURCES AND STUDY AIDS, INCLUDING BONUS PRACTICE EXAM QUESTIONS. THE CWNA CERTIFICATION IS A DE FACTO STANDARD FOR ANYONE WORKING WITH WIRELESS TECHNOLOGY. IT SHOWS EMPLOYERS THAT YOU HAVE DEMONSTRATED COMPETENCE IN CRITICAL AREAS, AND HAVE THE KNOWLEDGE AND SKILLS TO PERFORM ESSENTIAL DUTIES THAT KEEP THEIR WIRELESS NETWORKS FUNCTIONING AND SAFE. THE CWNA: CERTIFIED WIRELESS NETWORK ADMINISTRATOR STUDY GUIDE GIVES YOU EVERYTHING YOU NEED TO PASS THE EXAM WITH FLYING COLORS.

COGNITIVE HYPERCONNECTED DIGITAL TRANSFORMATION - OVIDIU VERMESAN 2017-06-23

COGNITIVE HYPERCONNECTED DIGITAL TRANSFORMATION PROVIDES AN OVERVIEW OF THE CURRENT INTERNET OF THINGS (IoT) LANDSCAPE, RANGING FROM RESEARCH, INNOVATION AND DEVELOPMENT PRIORITIES TO ENABLING TECHNOLOGIES IN A GLOBAL CONTEXT. IT IS INTENDED AS A STANDALONE BOOK IN A SERIES THAT COVERS THE INTERNET OF THINGS ACTIVITIES OF THE IERC-INTERNET OF THINGS EUROPEAN RESEARCH CLUSTER, INCLUDING BOTH RESEARCH AND TECHNOLOGICAL INNOVATION, VALIDATION AND DEPLOYMENT. THE BOOK BUILDS ON THE IDEAS PUT FORWARD BY THE EUROPEAN RESEARCH CLUSTER, THE IoT EUROPEAN PLATFORM INITIATIVE (IoT-EPI) AND THE IoT EUROPEAN LARGE-SCALE PILOTS PROGRAMME, PRESENTING GLOBAL VIEWS AND STATE-OF-THE-ART RESULTS REGARDING THE CHALLENGES FACING IoT RESEARCH, INNOVATION, DEVELOPMENT AND DEPLOYMENT IN THE NEXT YEARS. HYPERCONNECTED ENVIRONMENTS INTEGRATING INDUSTRIAL/BUSINESS/CONSUMER IoT TECHNOLOGIES AND APPLICATIONS REQUIRE NEW IoT OPEN SYSTEMS ARCHITECTURES INTEGRATED WITH NETWORK ARCHITECTURE (A KNOWLEDGE-CENTRIC NETWORK FOR IoT), IoT SYSTEM DESIGN AND OPEN, HORIZONTAL AND INTEROPERABLE PLATFORMS MANAGING THINGS THAT ARE DIGITAL, AUTOMATED AND CONNECTED AND THAT FUNCTION IN REAL-TIME WITH REMOTE ACCESS AND CONTROL BASED ON INTERNET-ENABLED TOOLS. THE IoT IS BRIDGING THE PHYSICAL WORLD WITH THE VIRTUAL WORLD BY COMBINING AUGMENTED REALITY (AR), VIRTUAL REALITY (VR), MACHINE LEARNING AND ARTIFICIAL INTELLIGENCE (AI) TO SUPPORT THE PHYSICAL-DIGITAL INTEGRATIONS IN THE INTERNET OF MOBILE THINGS BASED ON SENSORS/ACTUATORS, COMMUNICATION, ANALYTICS TECHNOLOGIES, CYBER-PHYSICAL SYSTEMS, SOFTWARE, COGNITIVE SYSTEMS AND IoT PLATFORMS WITH MULTIPLE FUNCTIONALITIES. THESE IoT SYSTEMS HAVE THE POTENTIAL TO UNDERSTAND, LEARN, PREDICT, ADAPT AND OPERATE AUTONOMOUSLY. THEY CAN CHANGE FUTURE BEHAVIOUR, WHILE THE COMBINATION OF EXTENSIVE PARALLEL PROCESSING POWER, ADVANCED ALGORITHMS AND DATA SETS FEED THE COGNITIVE ALGORITHMS THAT ALLOW THE IoT SYSTEMS TO DEVELOP NEW SERVICES AND PROPOSE NEW SOLUTIONS. IoT TECHNOLOGIES ARE MOVING INTO THE INDUSTRIAL SPACE AND ENHANCING TRADITIONAL INDUSTRIAL PLATFORMS WITH SOLUTIONS THAT BREAK FREE OF DEVICE-, OPERATING SYSTEM- AND PROTOCOL-DEPENDENCY. SECURE EDGE COMPUTING SOLUTIONS REPLACE LOCAL NETWORKS,

WEB SERVICES REPLACE SOFTWARE, AND DEVICES WITH NETWORKED PROGRAMMABLE LOGIC CONTROLLERS (NPLCs) BASED ON INTERNET PROTOCOLS REPLACE DEVICES THAT USE PROPRIETARY PROTOCOLS. INFORMATION CAPTURED BY EDGE DEVICES ON THE FACTORY FLOOR IS SECURE AND ACCESSIBLE FROM ANY LOCATION IN REAL TIME, OPENING THE COMMUNICATION GATEWAY BOTH VERTICALLY (CONNECTING MACHINES ACROSS THE FACTORY AND ENABLING THE INSTANT AVAILABILITY OF DATA TO STAKEHOLDERS WITHIN OPERATIONAL SILOS) AND HORIZONTALLY (WITH ONE FRAMEWORK FOR THE ENTIRE SUPPLY CHAIN, ACROSS DEPARTMENTS, BUSINESS UNITS, GLOBAL FACTORY LOCATIONS AND OTHER MARKETS). END-TO-END SECURITY AND PRIVACY SOLUTIONS IN IoT SPACE REQUIRE AGILE, CONTEXT-AWARE AND SCALABLE COMPONENTS WITH MECHANISMS THAT ARE BOTH FLUID AND ADAPTIVE. THE CONVERGENCE OF IT (INFORMATION TECHNOLOGY) AND OT (OPERATIONAL TECHNOLOGY) MAKES SECURITY AND PRIVACY BY DEFAULT A NEW IMPORTANT ELEMENT WHERE SECURITY IS ADDRESSED AT THE ARCHITECTURE LEVEL, ACROSS APPLICATIONS AND DOMAINS, USING MULTI-LAYERED DISTRIBUTED SECURITY MEASURES. BLOCKCHAIN IS TRANSFORMING INDUSTRY OPERATING MODELS BY ADDING TRUST TO UNTRUSTED ENVIRONMENTS, PROVIDING DISTRIBUTED SECURITY MECHANISMS AND TRANSPARENT ACCESS TO THE INFORMATION IN THE CHAIN. DIGITAL TECHNOLOGY PLATFORMS ARE EVOLVING, WITH IoT PLATFORMS INTEGRATING COMPLEX INFO

NEXT GENERATION WIRELESS LANS - ELDAD PERAHIA
2013-05-23

IF YOU'VE BEEN SEARCHING FOR A WAY TO GET UP TO SPEED ON IEEE 802.11n AND 802.11ac WLAN STANDARDS WITHOUT HAVING TO WADE THROUGH THE ENTIRE SPECIFICATION, THEN LOOK NO FURTHER. THIS COMPREHENSIVE OVERVIEW DESCRIBES THE UNDERLYING PRINCIPLES, IMPLEMENTATION DETAILS AND KEY ENHANCING FEATURES OF 802.11n AND 802.11ac. FOR MANY OF THESE FEATURES THE AUTHORS OUTLINE THE MOTIVATION AND HISTORY BEHIND THEIR ADOPTION INTO THE STANDARD. A DETAILED DISCUSSION OF KEY THROUGHPUT, ROBUSTNESS, AND RELIABILITY ENHANCING FEATURES (SUCH AS MIMO, MULTI-USER MIMO, 40/80/160 MHz CHANNELS, TRANSMIT BEAMFORMING AND PACKET AGGREGATION) IS GIVEN, PLUS CLEAR SUMMARIES OF ISSUES SURROUNDING LEGACY INTEROPERABILITY AND COEXISTENCE. NOW UPDATED AND SIGNIFICANTLY REVISED, THIS 2ND EDITION CONTAINS NEW MATERIAL ON 802.11ac THROUGHPUT, INCLUDING REVISED CHAPTERS ON MAC AND INTEROPERABILITY, PLUS NEW CHAPTERS ON 802.11ac PHY AND MULTI-USER MIMO. AN IDEAL REFERENCE FOR DESIGNERS OF WLAN EQUIPMENT, NETWORK MANAGERS, AND RESEARCHERS IN THE FIELD OF WIRELESS COMMUNICATIONS.

IMPLEMENTING 802.1X SECURITY SOLUTIONS FOR WIRED AND WIRELESS NETWORKS - JIM GEIER 2008-06-02

YOU KNOW IT'S ESSENTIAL, AND YOU'VE HEARD THAT IT CAN BE TRICKY ? IMPLEMENTING THE 802.1X STANDARD. HERE IS A ROAD MAP THAT WILL ENABLE YOU TO APPROACH 802.1X IMPLEMENTATION WITH CONFIDENCE SO THAT YOU CAN CONDUCT SUCCESSFUL IMPLEMENTATION OF 802.1X IN BOTH

WIRED AND WIRELESS NETWORKS. COMPLETE WITH STEP-BY-STEP INSTRUCTIONS, RECOMMENDATIONS TO HELP YOU CHOOSE THE BEST SOLUTIONS, AND TROUBLESHOOTING TIPS, IT LETS YOU BENEFIT FROM THE EXPERIENCE OF OTHERS WHO HAVE MET THE CHALLENGE.

NETWORKING FOR DUMMIES - DOUG LOWE 2020-07-14
SET UP A SECURE NETWORK AT HOME OR THE OFFICE FULLY REVISED TO COVER WINDOWS 10 AND WINDOWS SERVER 2019, THIS NEW EDITION OF THE TRUSTED NETWORKING FOR DUMMIES HELPS BOTH BEGINNING NETWORK ADMINISTRATORS AND HOME USERS TO SET UP AND MAINTAIN A NETWORK. UPDATED COVERAGE OF BROADBAND AND WIRELESS TECHNOLOGIES, AS WELL AS STORAGE AND BACK-UP PROCEDURES, ENSURES THAT YOU'LL LEARN HOW TO BUILD A WIRED OR WIRELESS NETWORK, SECURE AND OPTIMIZE IT, TROUBLESHOOT PROBLEMS, AND MUCH MORE. FROM CONNECTING TO THE INTERNET AND SETTING UP A WIRELESS NETWORK TO SOLVING NETWORKING PROBLEMS AND BACKING UP YOUR DATA—THIS #1 BESTSELLING GUIDE COVERS IT ALL. BUILD A WIRED OR WIRELESS NETWORK SECURE AND OPTIMIZE YOUR NETWORK SET UP A SERVER AND MANAGE WINDOWS USER ACCOUNTS USE THE CLOUD—SAFELY WRITTEN BY A SEASONED TECHNOLOGY AUTHOR—AND JAMPACKED WITH TONS OF HELPFUL STEP-BY-STEP INSTRUCTIONS—THIS IS THE BOOK NETWORK ADMINISTRATORS AND EVERYDAY COMPUTER USERS WILL TURN TO AGAIN AND AGAIN.

802.11 WIRELESS NETWORKS - MATTHEW GAST
2005-04-25

AS WE ALL KNOW BY NOW, WIRELESS NETWORKS OFFER MANY ADVANTAGES OVER FIXED (OR WIRED) NETWORKS. FOREMOST ON THAT LIST IS MOBILITY, SINCE GOING WIRELESS FREES YOU FROM THE TETHER OF AN ETHERNET CABLE AT A DESK. BUT THAT'S JUST THE TIP OF THE CABLE-FREE ICEBERG. WIRELESS NETWORKS ARE ALSO MORE FLEXIBLE, FASTER AND EASIER FOR YOU TO USE, AND MORE AFFORDABLE TO DEPLOY AND MAINTAIN. THE DE FACTO STANDARD FOR WIRELESS NETWORKING IS THE 802.11 PROTOCOL, WHICH INCLUDES Wi-Fi (THE WIRELESS STANDARD KNOWN AS 802.11b) AND ITS FASTER COUSIN, 802.11g. WITH EASY-TO-INSTALL 802.11 NETWORK HARDWARE AVAILABLE EVERYWHERE YOU TURN, THE CHOICE SEEMS SIMPLE, AND MANY PEOPLE DIVE INTO WIRELESS COMPUTING WITH LESS THOUGHT AND PLANNING THAN THEY'D GIVE TO A WIRED NETWORK. BUT IT'S WISE TO BE FAMILIAR WITH BOTH THE CAPABILITIES AND RISKS ASSOCIATED WITH THE 802.11 PROTOCOLS. AND 802.11 WIRELESS NETWORKS: THE DEFINITIVE GUIDE, 2ND EDITION IS THE PERFECT PLACE TO START. THIS UPDATED EDITION COVERS EVERYTHING YOU'LL EVER NEED TO KNOW ABOUT WIRELESS TECHNOLOGY. DESIGNED WITH THE SYSTEM ADMINISTRATOR OR SERIOUS HOME USER IN MIND, IT'S A NO-NONSENSE GUIDE FOR SETTING UP 802.11 ON WINDOWS AND LINUX. AMONG THE WIDE RANGE OF TOPICS COVERED ARE DISCUSSIONS ON: DEPLOYMENT CONSIDERATIONS NETWORK MONITORING AND PERFORMANCE TUNING WIRELESS SECURITY ISSUES HOW TO USE AND SELECT ACCESS POINTS NETWORK MONITORING ESSENTIALS WIRELESS CARD CONFIGURATION SECURITY ISSUES UNIQUE TO WIRELESS NETWORKS WITH WIRELESS TECHNOLOGY, THE ADVANTAGES TO ITS USERS ARE

INDEED PLENTIFUL. COMPANIES NO LONGER HAVE TO DEAL WITH THE HASSLE AND EXPENSE OF WIRING BUILDINGS, AND HOUSEHOLDS WITH SEVERAL COMPUTERS CAN AVOID FIGHTS OVER WHO'S ONLINE. AND NOW, WITH 802.11 WIRELESS NETWORKS: THE DEFINITIVE GUIDE, 2ND EDITION, YOU CAN INTEGRATE WIRELESS TECHNOLOGY INTO YOUR CURRENT INFRASTRUCTURE WITH THE UTMOST CONFIDENCE.

CWNA GUIDE TO WIRELESS LANS - MARK CIAMPA
2012-06-19

CWNA GUIDE TO WIRELESS LANS, 3RD EDITION PROVIDES STUDENTS WITH THE CONCEPTUAL KNOWLEDGE AND HANDS-ON SKILLS NEEDED TO WORK WITH WIRELESS TECHNOLOGY IN A NETWORK ADMINISTRATION ENVIRONMENT AS WELL AS PASS THE CERTIFIED WIRELESS NETWORK ADMINISTRATOR (CWNA) EXAM. THE TEXT COVERS FUNDAMENTAL TOPICS, SUCH AS PLANNING, DESIGNING, INSTALLING, SECURING, AND CONFIGURING WIRELESS LANS. IT ALSO DETAILS COMMON WIRELESS LAN USES INCLUDING MAINTENANCE, SECURITY, AND BUSINESS APPLICATIONS. THE THIRD EDITION IS DESIGNED AROUND THE LATEST VERSION OF THE CWNA EXAM, AS WELL AS THE NEW IEEE 802.11 STANDARD, MAKING CWNA GUIDE TO WIRELESS LANS THE PRACTICAL GUIDE THAT PREPARES STUDENTS FOR REAL-WORLD WIRELESS NETWORKING. IMPORTANT NOTICE: MEDIA CONTENT REFERENCED WITHIN THE PRODUCT DESCRIPTION OR THE PRODUCT TEXT MAY NOT BE AVAILABLE IN THE EBOOK VERSION.

COMP TIA NETWORK+ N10-007 EXAM CRAM - EMMETT DULANEY 2017-12-28

PREPARE FOR COMP TIA NETWORK+ N10-007 EXAM SUCCESS WITH THIS COMP TIA APPROVED EXAM CRAM FROM PEARSON IT CERTIFICATION, A LEADER IN IT CERTIFICATION LEARNING AND A COMP TIA AUTHORIZED PLATINUM PARTNER. THIS IS THE EBOOK VERSION OF THE PRINT TITLE. NOTE THAT THE EBOOK MAY NOT PROVIDE ACCESS TO THE PRACTICE TEST SOFTWARE THAT ACCOMPANIES THE PRINT BOOK. ACCESS TO THE DIGITAL EDITION OF THE CRAM SHEET IS AVAILABLE THROUGH PRODUCT REGISTRATION AT PEARSON IT CERTIFICATION; OR SEE THE INSTRUCTIONS IN THE BACK PAGES OF YOUR EBOOK. COMP TIA@ NETWORK+ N10-007 EXAM CRAM, SIXTH EDITION IS THE PERFECT STUDY GUIDE TO HELP YOU PASS COMP TIA'S NETWORK+ N10-007 EXAM. IT PROVIDES COVERAGE AND PRACTICE QUESTIONS FOR EVERY EXAM TOPIC, INCLUDING SUBSTANTIAL NEW COVERAGE OF SECURITY, CLOUD NETWORKING, IPV6, AND WIRELESS TECHNOLOGIES. THE BOOK PRESENTS YOU WITH AN ORGANIZED TEST-PREPARATION ROUTINE THROUGH THE USE OF PROVEN SERIES ELEMENTS AND TECHNIQUES. EXAM TOPIC LISTS MAKE REFERENCING EASY. EXAM ALERTS, SIDEBARS, AND NOTES INTERSPERSED THROUGHOUT THE TEXT KEEP YOU FOCUSED ON WHAT YOU NEED TO KNOW. CRAM QUIZZES HELP YOU ASSESS YOUR KNOWLEDGE, AND THE CRAM SHEET TEAR CARD IS THE PERFECT LAST-MINUTE REVIEW. COVERS THE CRITICAL INFORMATION YOU'LL NEED TO KNOW TO SCORE HIGHER ON YOUR COMP TIA NETWORK+ (N10-007) EXAM! •

UNDERSTAND MODERN NETWORK TOPOLOGIES, PROTOCOLS, AND INFRASTRUCTURE • IMPLEMENT NETWORKS BASED ON SPECIFIC REQUIREMENTS • INSTALL AND CONFIGURE DNS AND DHCP • MONITOR AND ANALYZE NETWORK TRAFFIC •

UNDERSTAND IPV6 AND IPV4 ADDRESSING, ROUTING, AND SWITCHING • PERFORM BASIC ROUTER/SWITCH INSTALLATION AND CONFIGURATION • EXPLAIN NETWORK DEVICE FUNCTIONS IN CLOUD ENVIRONMENTS • EFFICIENTLY IMPLEMENT AND TROUBLESHOOT WANS • INSTALL, CONFIGURE, SECURE, AND TROUBLESHOOT WIRELESS NETWORKS • APPLY PATCHES/UPDATES, AND SUPPORT CHANGE/CONFIGURATION MANAGEMENT • DESCRIBE UNIFIED COMMUNICATION TECHNOLOGIES • SEGMENT AND OPTIMIZE NETWORKS • IDENTIFY RISKS/THREATS, ENFORCE POLICIES AND PHYSICAL SECURITY, CONFIGURE FIREWALLS, AND CONTROL ACCESS • UNDERSTAND ESSENTIAL NETWORK FORENSICS CONCEPTS • TROUBLESHOOT ROUTERS, SWITCHES, WIRING, CONNECTIVITY, AND SECURITY
CWDP CERTIFIED WIRELESS DESIGN PROFESSIONAL OFFICIAL STUDY GUIDE - SHAWN M. JACKMAN 2011-02-04

THE OFFICIAL STUDY GUIDE FOR THE CERTIFIED WIRELESS DESIGN PROFESSIONAL (CWDP) EXAM FROM CWNPI! THIS OFFICIAL GUIDE IS WHAT YOU NEED TO PREPARE FOR THE VENDOR-NEUTRAL CWDP EXAM (PW0-250), WHICH TESTS AN IT PROFESSIONAL'S ABILITY TO DESIGN, PLAN, AND TROUBLESHOOT A WIRELESS NETWORK. ADMINISTERED BY CWNPI, THE INDUSTRY LEADER FOR ENTERPRISE WI-FI TRAINING AND CERTIFICATION, THE CWDP EXAM IS FOR THOSE OPERATING IN LARGE WLAN DEPLOYMENTS. THIS PRACTICAL GUIDE NOT ONLY COVERS ALL EXAM OBJECTIVES, IT ALSO GIVES YOU PRACTICAL INFORMATION ON DESIGNING FOR COMPLEX ENVIRONMENTS SUCH AS BUSINESSES, HOSPITALS, EDUCATIONAL FACILITIES, AND IN OUTDOOR SPACES. COVERS ALL EXAM OBJECTIVES FOR THE CERTIFIED WIRELESS DESIGN PROFESSIONAL (CWDP) EXAM, EXAM PW0-250 COVERS PLANNING, DEVELOPING A WLAN DESIGN STRATEGY AND RF, CONDUCTING ADVANCED SITE SURVEYING, DEVELOPING 802.11 SECURITY, AND TROUBLESHOOTING COMPANION CD INCLUDES TWO PRACTICE EXAMS AND OVER 100 ELECTRONIC FLASHCARDS SYBEX IS THE OFFICIAL PUBLISHER FOR CERTIFIED WIRELESS NETWORK PROFESSIONAL, INC., THE CERTIFYING VENDOR FOR THE CWAP PROGRAM IF YOU WANT TO PREPARE FOR CWNPI CERTIFICATION, A SYBEX STUDY GUIDE IS WHAT YOU NEED! NOTE: CD-ROM MATERIALS FOR EBOOK PURCHASES CAN BE DOWNLOADED FROM [HTTP://BOOKSUPPORT.WILEY.COM](http://booksupport.wiley.com).

HEALTH INFORMATICS: PRACTICAL GUIDE FOR HEALTHCARE AND INFORMATION TECHNOLOGY PROFESSIONALS (SIXTH EDITION) - ROBERT E. HOYT 2014

HEALTH INFORMATICS (HI) FOCUSES ON THE APPLICATION OF INFORMATION TECHNOLOGY (IT) TO THE FIELD OF MEDICINE TO IMPROVE INDIVIDUAL AND POPULATION HEALTHCARE DELIVERY, EDUCATION AND RESEARCH. THIS EXTENSIVELY UPDATED FIFTH EDITION REFLECTS THE CURRENT KNOWLEDGE IN HEALTH INFORMATICS AND PROVIDES LEARNING OBJECTIVES, KEY POINTS, CASE STUDIES AND REFERENCES.

802.11n: A SURVIVAL GUIDE - MATTHEW S. GAST
2012-04-02

WIRELESS HAS FINALLY COME OF AGE. WITH A SIGNIFICANT JUMP IN THROUGHPUT OVER PREVIOUS STANDARDS, 802.11n IS THE FIRST WIRELESS TECHNOLOGY THAT DOESN'T TRADE SPEED FOR MOBILITY, AND USERS HAVE STORMED ONTO WIRELESS NETWORKS WITH A PASSION. IN THIS CONCISE GUIDE, MATTHEW GAST—CHAIR OF THE IEEE GROUP THAT

PRODUCED REVISION 802.11-2012—SHOWS YOU WHY WIRELESS HAS BECOME THE DEFAULT METHOD OF CONNECTING TO A NETWORK, AND PROVIDES TECHNICAL DETAILS YOU NEED TO PLAN, DESIGN, AND DEPLOY 802.11n TODAY. BUILDING A NETWORK FOR THE MULTITUDE OF NEW DEVICES IS NOW A STRATEGIC DECISION FOR NETWORK ENGINEERS EVERYWHERE. THIS BOOK GIVES YOU AN IN-DEPTH LOOK AT KEY PARTS OF 802.11n, AND SHOWS YOU HOW TO ACHIEVE AN ETHERNET-FREE WIRELESS OFFICE. LEARN HOW MIMO'S MULTIPLE DATA STREAMS GREATLY INCREASE WIRELESS SPEED DISCOVER HOW 802.11n MODIFICATIONS IMPROVE MAC EFFICIENCY EXAMINE ADVANCED PHY FEATURES SUCH AS BEAMFORMING AND SPACE-TIME CODE BLOCK USE ADVANCED MAC FEATURES TO MAINTAIN INTEROPERABILITY WITH OLDER DEVICES PLAN AN 802.11n NETWORK BY DETERMINING TRAFFIC DEMAND, KEY APPLICATIONS, POWER REQUIREMENTS, AND SECURITY CHOOSE THE ARCHITECTURE, SELECT HARDWARE, AND PLAN COVERAGE TO DESIGN AND BUILD YOUR NETWORK

WIRELESS NETWORK SECURITY - WOLFGANG OSTERHAGE
2018-05-03

WIRELESS COMMUNICATIONS HAVE BECOME INDISPENSABLE PART OF OUR LIVES. THE BOOK DEALS WITH THE SECURITY OF SUCH WIRELESS COMMUNICATION. THE TECHNOLOGICAL BACKGROUND OF THESE APPLICATIONS HAVE BEEN PRESENTED IN DETAIL. SPECIAL EMPHASIS HAS BEEN LAID ON THE IEEE 802.11x-STANDARDS THAT HAVE BEEN DEVELOPED FOR THIS TECHNOLOGY. A MAJOR PART OF THE BOOK IS DEVOTED TO SECURITY RISKS, ENCRYPTION AND AUTHENTICATION. CHECKLISTS HAVE BEEN PROVIDED TO HELP IT ADMINISTRATORS AND SECURITY OFFICERS TO ACHIEVE THE MAXIMUM POSSIBLE SECURITY IN THEIR INSTALLATIONS, WHEN USING WIRELESS TECHNOLOGY. THIS IS THE SECOND EDITION OF THE BOOK. THE UPDATES INCLUDE THE LATEST THE IEEE 802.11-STANDARD, AN UPDATED CHAPTER ON PDA, THE INCREASED RELEVANCE OF SMART PHONES AND TABLETS, WIDESPREAD USE OF WLAN WITH INCREASED SECURITY RISKS.

TOP-DOWN NETWORK DESIGN - PRISCILLA OPPENHEIMER
2010-08-24

OBJECTIVES THE PURPOSE OF TOP-DOWN NETWORK DESIGN, THIRD EDITION, IS TO HELP YOU DESIGN NETWORKS THAT MEET A CUSTOMER'S BUSINESS AND TECHNICAL GOALS. WHETHER YOUR CUSTOMER IS ANOTHER DEPARTMENT WITHIN YOUR OWN COMPANY OR AN EXTERNAL CLIENT, THIS BOOK PROVIDES YOU WITH TESTED PROCESSES AND TOOLS TO HELP YOU UNDERSTAND TRAFFIC FLOW, PROTOCOL BEHAVIOR, AND INTERNETWORKING TECHNOLOGIES. AFTER COMPLETING THIS BOOK, YOU WILL BE EQUIPPED TO DESIGN ENTERPRISE NETWORKS THAT MEET A CUSTOMER'S REQUIREMENTS FOR FUNCTIONALITY, CAPACITY, PERFORMANCE, AVAILABILITY, SCALABILITY, AFFORDABILITY, SECURITY, AND MANAGEABILITY. AUDIENCE THIS BOOK IS FOR YOU IF YOU ARE AN INTERNETWORKING PROFESSIONAL RESPONSIBLE FOR DESIGNING AND MAINTAINING MEDIUM- TO LARGE-SIZED ENTERPRISE NETWORKS. IF YOU ARE A NETWORK ENGINEER, ARCHITECT, OR TECHNICIAN WHO HAS A WORKING KNOWLEDGE OF NETWORK PROTOCOLS AND TECHNOLOGIES, THIS BOOK WILL PROVIDE YOU WITH PRACTICAL ADVICE ON APPLYING YOUR KNOWLEDGE TO INTERNETWORK DESIGN. THIS BOOK

ALSO INCLUDES USEFUL INFORMATION FOR CONSULTANTS, SYSTEMS ENGINEERS, AND SALES ENGINEERS WHO DESIGN CORPORATE NETWORKS FOR CLIENTS. IN THE FAST-PACED PRESALES ENVIRONMENT OF MANY SYSTEMS ENGINEERS, IT OFTEN IS DIFFICULT TO SLOW DOWN AND INSIST ON A TOP-DOWN, STRUCTURED SYSTEMS ANALYSIS APPROACH. WHEREVER POSSIBLE, THIS BOOK INCLUDES SHORTCUTS AND ASSUMPTIONS THAT CAN BE MADE TO SPEED UP THE NETWORK DESIGN PROCESS. FINALLY, THIS BOOK IS USEFUL FOR UNDERGRADUATE AND GRADUATE STUDENTS IN COMPUTER SCIENCE AND INFORMATION TECHNOLOGY DISCIPLINES. STUDENTS WHO HAVE TAKEN ONE OR TWO COURSES IN NETWORKING THEORY WILL FIND TOP-DOWN NETWORK DESIGN, THIRD EDITION, AN APPROACHABLE INTRODUCTION TO THE ENGINEERING AND BUSINESS ISSUES RELATED TO DEVELOPING REAL-WORLD NETWORKS THAT SOLVE TYPICAL BUSINESS PROBLEMS. CHANGES FOR THE THIRD EDITION NETWORKS HAVE CHANGED IN MANY WAYS SINCE THE SECOND EDITION WAS PUBLISHED. MANY LEGACY TECHNOLOGIES HAVE DISAPPEARED AND ARE NO LONGER COVERED IN THE BOOK. IN ADDITION, MODERN NETWORKS HAVE BECOME MULTIFACETED, PROVIDING SUPPORT FOR NUMEROUS BANDWIDTH-HUNGRY APPLICATIONS AND A VARIETY OF DEVICES, RANGING FROM SMART PHONES TO TABLET PCs TO HIGH-END SERVERS. MODERN USERS EXPECT THE NETWORK TO BE AVAILABLE ALL THE TIME, FROM ANY DEVICE, AND TO LET THEM SECURELY COLLABORATE WITH COWORKERS, FRIENDS, AND FAMILY. NETWORKS TODAY SUPPORT VOICE, VIDEO, HIGH-DEFINITION TV, DESKTOP SHARING, VIRTUAL MEETINGS, ONLINE TRAINING, VIRTUAL REALITY, AND APPLICATIONS THAT WE CAN'T EVEN IMAGINE THAT BRILLIANT COLLEGE STUDENTS ARE BUSILY CREATING IN THEIR DORM ROOMS. AS APPLICATIONS RAPIDLY CHANGE AND PUT MORE DEMAND ON NETWORKS, THE NEED TO TEACH A SYSTEMATIC APPROACH TO NETWORK DESIGN IS EVEN MORE IMPORTANT THAN EVER. WITH THAT NEED IN MIND, THE THIRD EDITION HAS BEEN RETOOLLED TO MAKE IT AN IDEAL TEXTBOOK FOR COLLEGE STUDENTS. THE THIRD EDITION FEATURES REVIEW QUESTIONS AND DESIGN SCENARIOS AT THE END OF EACH CHAPTER TO HELP STUDENTS LEARN TOP-DOWN NETWORK DESIGN. TO ADDRESS NEW DEMANDS ON MODERN NETWORKS, THE THIRD EDITION OF TOP-DOWN NETWORK DESIGN ALSO HAS UPDATED MATERIAL ON THE FOLLOWING TOPICS: • NETWORK REDUNDANCY • MODULARITY IN NETWORK DESIGNS • THE CISCO SAFE SECURITY REFERENCE ARCHITECTURE • THE RAPID SPANNING TREE PROTOCOL (RSTP) • INTERNET PROTOCOL VERSION 6 (IPv6) • ETHERNET SCALABILITY OPTIONS, INCLUDING 10-Gbps ETHERNET AND METRO ETHERNET • NETWORK DESIGN AND MANAGEMENT TOOLS

INFORMATION TECHNOLOGY - NEW GENERATIONS - SHAHRAM LATIFI
2018-04-12

THIS VOLUME PRESENTS A COLLECTION OF PEER-REVIEWED, SCIENTIFIC ARTICLES FROM THE 15TH INTERNATIONAL CONFERENCE ON INFORMATION TECHNOLOGY - NEW GENERATIONS, HELD AT LAS VEGAS. THE COLLECTION ADDRESSES CRITICAL AREAS OF MACHINE LEARNING, NETWORKING AND WIRELESS COMMUNICATIONS, CYBERSECURITY, DATA MINING, SOFTWARE ENGINEERING, HIGH PERFORMANCE COMPUTING ARCHITECTURES, COMPUTER

VISION, HEALTH, BIOINFORMATICS, AND EDUCATION.

NETWORKING FUNDAMENTALS - CRYSTAL PANEK

2019-10-31

A CLEAR AND CONCISE RESOURCE ON WINDOWS NETWORKING, PERFECT FOR IT BEGINNERS DID YOU KNOW THAT NEARLY 85% OF IT SUPPORT ROLES REQUIRE A GOOD UNDERSTANDING OF NETWORKING CONCEPTS? IF YOU ARE LOOKING TO ADVANCE YOUR IT CAREER, YOU WILL NEED A FOUNDATIONAL UNDERSTANDING OF WINDOWS NETWORKING. NETWORK FUNDAMENTALS COVERS EVERYTHING YOU NEED TO KNOW ABOUT NETWORK INFRASTRUCTURES, HARDWARE, PROTOCOLS, AND SERVICES. YOU WILL LEARN EVERYTHING YOU NEED TO GAIN THE HIGHLY IN-DEMAND NETWORKING FUNDAMENTALS MTA CERTIFICATION. THIS ENTRY-LEVEL CREDENTIAL COULD BE YOUR FIRST STEP INTO A REWARDING, STABLE AND LUCRATIVE IT CAREER. THIS NEW SYBEX GUIDE COVERS THE BASICS OF NETWORKING STARTING FROM THE "GROUND LEVEL," SO NO PREVIOUS IT KNOWLEDGE IS REQUIRED. EACH CHAPTER FEATURES APPROACHABLE

DISCUSSION OF THE LATEST NETWORKING TECHNOLOGIES AND CONCEPTS, CLOSING WITH A QUIZ SO YOU CAN TEST YOUR KNOWLEDGE BEFORE MOVING TO THE NEXT SECTION. EVEN IF YOU ARE BRAND NEW TO COMPUTERS, NETWORK FUNDAMENTALS WILL GUIDE YOU TO CONFIDENCE AND MASTERY. UNDERSTAND WIRED AND WIRELESS NETWORKS IN EVERY DETAIL LEARN EVERYTHING YOU NEED TO ATTAIN THE NETWORKING FUNDAMENTALS MTA CERTIFICATION TEST YOUR KNOWLEDGE WITH END-OF-CHAPTER QUIZ QUESTIONS UNDERSTAND INTERNET PROTOCOL (IP) AND CATEGORIZE IPV4 ADDRESSES WORK WITH NETWORKING SERVICES AND AREA NETWORKS DEFINE NETWORK INFRASTRUCTURES AND NETWORK SECURITY, INCLUDING INTRANETS, EXTRANETS, AND VPNs BEGINNING AND ESTABLISHED IT PROFESSIONALS LOOKING TO UNDERSTAND MORE ABOUT NETWORKING WILL GAIN THE KNOWLEDGE TO CREATE A NETWORK DIAGRAM AND CONFIDENTLY EXPLAIN BASIC NETWORKING CONCEPTS. THANKS TO THE FEATURES IN THIS BOOK, YOU WILL BE ABLE TO APPLY YOUR NEW NETWORKING SKILLS IN REAL WORLD SITUATIONS AND FEEL CONFIDENT WHEN TAKING THE CERTIFICATION TEST.