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Mike Meyers' CompTIA A+ Guide to Managing and Troubleshooting PCs, Third Edition (Exams 220-701 & 220-702)

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provider of PC and network repair seminars for thousands of organizations throughout the world, and a member of CompTIA.

Mike Meyers' CompTIA A+ Guide to Managing and Troubleshooting PCs, Fifth Edition (Exams 220-901 & 220-902)

McGraw Hill Professional **Essential Skills for a Successful IT Career Written by the leading authority on CompTIA A+ certification and training, this four-color guide will help you become a certified IT professional with proven expertise in hardware and software, and help you pass CompTIA A+ exams 220-901 and 220-902. Mike Meyers' CompTIA A+ Guide to Managing and Troubleshooting PCs, Fifth Edition offers complete coverage of the latest exam objectives. You'll get on-the-job tips, end-of-chapter review questions, and hundreds of color photographs and illustrations. Learn how to: Work with CPUs, RAM, microprocessors, BIOS, motherboards, power supplies, and other PC components Install, configure, and troubleshoot hard drives Manage peripheral devices and removable media Install, upgrade, and maintain operating systems, including Windows, Mac OS X, and Linux Troubleshoot common computer problems Establish users and groups Set up video and multimedia cards Administer smartphones, tablets, and other mobile devices Install and configure wired and wireless networks Connect to the Internet Secure your PC and your network Install, configure, and manage printers and multifunction devices Work with the latest virtualization technologies Understand safety and environmental issues Electronic content includes: Practice exams for 901 & 902 One hour+ of free video training from Mike Meyers TotalSim simulations of performance-based questions Mike's favorite free PC tools and utilities A complete PDF copy of the book Instructor resources available: Instructor's Manual Power Point slides for each chapter with photographs and illustrations from the book Test Bank cartridges with hundreds of questions for use as quizzes and exams Answers to the end of chapter sections are not included in the book and are only available to adopting instructors**

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John Wiley & Sons **Provides information on PC maintenance and repair, covering such topics as system restore, using tech support, startup noises, a slow PC, finding lost files, Internet connections, changes in Windows Vista, Windows event logs, and computer shutdown.**

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Mike Meyers' CompTIA Network+ Guide to Managing and Troubleshooting Networks, 3rd Edition (Exam N10-005)

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Mike Meyers CompTIA Network+ Guide to Managing and Troubleshooting Networks Lab Manual, Sixth Edition (Exam N10-008)

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Mike Meyers' CompTIA A+ Guide to Managing and Troubleshooting PCs, 4th Edition (Exams 220-801 & 220-802)

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Mike Meyers' CompTIA A+ Guide to Managing and Troubleshooting PCs, Sixth Edition (Exams 220-1001 & 220-1002)

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computer problems•Establish users and groups•Set up video and multimedia cards•Administer smartphones, tablets, and other mobile devices•Set up wired and wireless networks•Connect to the Internet•Protect your personal computer and your network•Install printers and other peripherals•Implement virtualization and cloud-based technologies•Understand safety and environmental issues Online content includes: •Practice exams for 1001 & 1002•One hour+ of free video training from Mike Meyers•TotalSim online simulations of performance-based questions•A list of free networking utilities

Mike Meyers' A+ Guide to Managing and Troubleshooting PCs, Second Edition

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physical network•TCP/IP•Routing•Network naming•Advanced networking devices•IPv6•Remote connectivity•Wireless networking•Virtualization and cloud computing•Mobile networking•Building a real-world network•Managing risk•Protecting your network•Network monitoring and troubleshooting

CompTIA A+ 220-801 and 220-802 Cert Guide, Deluxe Edition

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Network Troubleshooting Tools

Help for Network Administrators

"O'Reilly Media, Inc." **Over the years, thousands of tools have been developed for debugging TCP/IP networks. They range from very specialized tools that do one particular task, to generalized suites that do just about everything except replace bad Ethernet cables. Even better, many of them are absolutely free. There's only one problem: who has time to track them all down, sort through them for the best ones for a particular purpose, or figure out how to use them?Network Troubleshooting Tools does the work for you--by describing the best of the freely available tools for debugging and troubleshooting. You can start with a lesser-known version of ping that diagnoses connectivity problems, or take on a much more comprehensive program like MRTG for graphing traffic through network interfaces. There's tkined for mapping and automatically monitoring networks, and Ethereal for capturing packets and debugging low-level problems.This book isn't just about the tools available for troubleshooting common network problems. It also outlines a systematic approach to network troubleshooting: how to document your network so you know how it behaves under normal conditions, and how to think about problems when they arise, so you can solve them more effectively.The topics covered in this book include: Understanding your network Connectivity testing Evaluating the path between two network nodes Tools for capturing packets Tools for network discovery and mapping Tools for working with SNMP Performance monitoring Testing application layer protocols Software sources If you're involved with network operations, this book will save you time, money, and needless experimentation.**

Mike Meyers' CompTIA A+ Guide: Essentials, Third Edition (Exam 220-701)

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TCP/IP Network Administration

Help for Unix System Administrators

"O'Reilly Media, Inc." **This complete guide to setting up and running a TCP/IP network is essential for network administrators, and invaluable for users of home systems that access the Internet. The book starts with the fundamentals -- what protocols do and how they work, how addresses and routing are used to move data through the network, how to set up your network connection -- and then covers, in detail, everything you need to know to exchange information via the Internet.Included are discussions on advanced routing protocols (RIPv2, OSPF, and BGP) and the gated software package that implements them, a tutorial on configuring important network services -- including DNS, Apache, sendmail, Samba, PPP, and DHCP -- as well as expanded chapters on troubleshooting and security. TCP/IP Network Administration is also a command and syntax reference for important packages such as gated, pppd, named, dhcpd, and sendmail.With coverage that includes Linux, Solaris, BSD, and System V TCP/IP implementations, the third edition contains: Overview of TCP/IP Delivering the data Network services Getting startedM Basic configuration Configuring the interface Configuring routing Configuring DNS Configuring network servers Configuring sendmail Configuring Apache Network security Troubleshooting Appendices include dip, ppd, and chat reference, a gated reference, a dhcpd reference, and a sendmail reference This new edition includes ways of configuring Samba to provide file and print sharing on networks that integrate Unix and Windows, and a new chapter is dedicated to the important task of configuring the Apache web server. Coverage of network security now includes details on OpenSSH, stunnel, gpg, iptables, and the access control mechanism in xinetd. Plus, the book offers updated information about DNS, including details on BIND 8 and BIND 9, the role of classless IP addressing and network prefixes, and the changing role of registrars.Without a doubt, TCP/IP Network Administration, 3rd Edition is a must-have for all network administrators and anyone who deals with a network that transmits data over the Internet.**

Troubleshooting and Repairing Major Appliances, 2nd Ed.

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Mike Meyers' CompTIA A+ Guide to 801 Managing and Troubleshooting PCs, Fourth

Edition (Exam 220-801)

McGraw Hill Professional **Essential Skills for a Successful IT Career Written by the leading authority on CompTIA A+ certification and training, this instructive, full-color guide will help you pass CompTIA A+ exam 220-801 and become an expert PC technician. Mike Meyers' CompTIA A+ Guide to 801: Managing and Troubleshooting PCs, Fourth Edition is completely up to date with the new CompTIA A+ standards. Inside, you'll find helpful on-the-job tips, end-of-chapter practice questions, and hundreds of photographs and illustrations. End-of-chapter solutions and answers are only available to instructors and do not appear in the book. Learn how to: Work with CPUs, RAM, BIOS settings, motherboards, power supplies, and other PC components Work with PCs safely using the proper tools Install and configure hard drives Manage input devices and removable media Install video and multimedia cards Install and configure wired and wireless networks Connect to the Internet Manage and maintain portable PCs Install, configure, and manage printers Protect your PC and your network Build and customize specialized PCs Electronic content features: Practice exams for 801 with hundreds of questions An "Introduction to CompTIA A+" video by Mike Meyers Links to Mike's latest favorite shareware and freeware PC tools and utilities Adobe Digital Editions eBook—free download (subject to Adobe system requirements) Each chapter includes: Learning objectives Photographs and illustrations Real-world examples Try This! and Cross Check exercises Key terms highlighted Tech Tips, Notes, and Warnings Exam Tips End-of-chapter quizzes and lab projects**

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Mike Meyers' CompTIA A+ Guide to Managing and Troubleshooting PCs Lab Manual, Fourth Edition (Exams 220-801 & 220-802)

McGraw Hill Professional **Bestselling CompTIA A+ author Mike Meyers provides 130+ hands-on, step-by-step labs—updated for the 2012 exams—so you can practice the IT skills essential for your success With coverage of CompTIA A+ certification exams 220-801 and 220-802, Mike Meyers' CompTIA A+ Guide to Managing and Troubleshooting PCs Lab Manual, Fourth Edition contains more than 130 labs that challenge you to solve real-world problems with key concepts. Clear, measurable lab objectives map to certification exam objectives, ensuring direct correspondence to Mike Meyers' CompTIA A+ Guide to Managing and Troubleshooting PCs, Fourth Edition. Lab solutions are only available to instructors and are not printed inside the book. The Lab Manual also includes materials lists and lab set-up instructions. Step-by-step, not click-by click, lab scenarios require you to think critically, and Hint and Warning icons guide you through potentially tricky situations. Post-lab observation questions measure your understanding of lab results and the key term quiz helps to build your vocabulary.**

Complete A+ Guide to IT Hardware and Software

AA CompTIA A+ Core 1 (220-1001) & CompTIA A+ Core 2 (220-1002) Textbook

Pearson IT Certification **Master IT hardware and software installation, configuration, repair, maintenance, and troubleshooting and fully prepare for the CompTIA® A+ Core 1 (220-1001) and Core 2 (220-1002) exams. This is your all-in-one, real-world, full-color guide to connecting, managing, and troubleshooting modern devices and systems in authentic IT scenarios. Its thorough instruction built on the CompTIA A+ Core 1 (220-1001) and Core 2 (220-1002) exam objectives includes coverage of Windows 10, Mac, Linux, Chrome OS, Android, iOS, cloud-based software, mobile and IoT devices, security, Active Directory, scripting, and other modern techniques and best practices for IT management. Award-winning instructor Cheryl Schmidt also addresses widely-used legacy technologies—making this the definitive resource for mastering the tools and technologies you'll encounter in real IT and business environments. Schmidt's emphasis on both technical and soft skills will help you rapidly become a well-qualified, professional, and customer-friendly technician. LEARN MORE QUICKLY AND THOROUGHLY WITH THESE STUDY AND REVIEW TOOLS: Learning Objectives and chapter opening lists of CompTIA A+ Certification Exam Objectives make sure you know exactly what you'll be learning, and you cover all you need to know Hundreds of photos, figures, and tables present information in a visually compelling full-color design Practical Tech Tips provide real-world IT tech support knowledge Soft Skills best-practice advice and team-building activities in every chapter cover key tools and skills for becoming a professional, customer-friendly technician Review Questions—including true/false, multiple choice, matching, fill-in-the-blank, and open-ended questions—carefully assess your knowledge of each learning objective Thought-provoking activities help students apply and reinforce chapter content, and allow instructors to "flip" the classroom if they choose Key Terms identify exam words and phrases associated with each topic Detailed Glossary clearly defines every key term Dozens of Critical Thinking Activities take you beyond the facts to deeper understanding Chapter Summaries recap key concepts for more efficient studying Certification Exam Tips provide insight into the certification exam and preparation process**

Mike Meyers' CompTIA A+ Guide to 802 Managing and Troubleshooting PCs, Fourth Edition (Exam 220-802)

McGraw Hill Professional **Essential Skills for a Successful IT Career Written by the leading authority on CompTIA A+ certification and training, this instructive, full-color guide will help you pass CompTIA A+ exam 220-802 and become an expert PC technician. Mike Meyers' CompTIA A+ Guide to 802: Managing and Troubleshooting PCs, Fourth Edition is completely up to date with the new CompTIA A+ standards. Inside, you'll find helpful on-the-job tips, end-of-chapter practice questions, and hundreds of photographs and illustrations. End-of-chapter solutions and answers are only available to instructors and are not printed inside the book. Learn how to: Troubleshoot CPUs, RAM, BIOS settings, motherboards, power supplies, and other PC components Implement and troubleshoot hard drives Install, upgrade, maintain, and troubleshoot Windows XP, Windows Vista, and Windows 7 Work with the Registry and understand the Windows boot process Work with Ethernet and TCP/IP Implement and troubleshoot wired and wireless networks Manage and maintain portable PCs Work with smartphones, tablets, and other mobile devices Troubleshoot printers Secure PCs and protect them from network threats Work with virtualization technologies Electronic content features: Practice exams for 802 with hundreds of questions An "Introduction to CompTIA A+" video by Mike Meyers Links to Mike's latest favorite shareware and freeware PC tools and utilities Adobe Digital Editions ebook—free download (subject to Adobe system requirements) Each chapter includes: Learning objectives Photographs and illustrations Real-world examples Try This! and Cross Check exercises Key terms highlighted Tech Tips, Notes, and Warnings Exam Tips End-of-chapter quizzes and lab projects**

Mastering Ubuntu Server

Gain expertise in the art of deploying, configuring, managing, and troubleshooting

Ubuntu Server, 3rd Edition

Packt Publishing Ltd **This is the third edition of the bestselling one-stop resource for sysadmins and DevOps professionals to learn, configure and use Ubuntu 20.04 for their day-to-day operations and deployments. Key FeaturesA hands-on book that will teach you how to deploy, maintain and troubleshoot Ubuntu ServerLearn to leverage the improved performance and security-related aspects of Ubuntu Server 20.04 LTSNew chapters dedicated to exploring Ubuntu for cloudBook Description Ubuntu Server has taken data centers around the world by storm. Whether you're deploying Ubuntu for a large-scale project or for a small office, it is a stable, customizable, and powerful Linux distribution with innovative and cutting-edge features. For both simple and complex server deployments, Ubuntu's flexible nature can be easily adapted to meet to the needs of your organization. This third edition is updated to cover the advancements of Ubuntu 20.04 LTS and further train you to understand how to use Ubuntu Server, from initial deployment to creating production-ready resources for your network. The book begins with the concepts of user management, group management, and file system permissions. Continuing into managing storage volumes, you will learn how to format storage devices, utilize logical volume management, and monitor disk usage. Later, you will learn how to virtualize hosts and applications, which will include setting up QEMU & KVM, as well as containerization with both Docker and LXD. As the book continues, you will learn how to automate configuration with Ansible, as well as take a look at writing scripts. Lastly, you will explore best practices and troubleshooting techniques when working with Ubuntu Server that are applicable to real-world scenarios. By the end of this Ubuntu Server book, you will be well-versed in Ubuntu server's advanced concepts and attain the required proficiency needed for Ubuntu Server administration. What you will learnManage users, groups, and permissionsOptimize the performance of system resourcesPerform disk encryption and decryption with Linux Unified Key Setup (LUKS)Set up Secure Shell (SSH) for remote access, and connect it to other nodesShare directories using Samba and Network File System (NFS)Get familiar with scripting to improve command-line efficiencyConfigure VMs, containers, and orchestrate with MicroK8s and KubernetesAutomate server deployments with Ansible and cloud server deployments with TerraformWho this book is for The book is written to cater to sysadmins and DevOps professionals whose teams are planning to employ an Ubuntu/Linux environment for their development needs. Prior knowledge of Ubuntu is not required. However, it is assumed that you possess some IT admin, Linux, and shell scripting experience.**

OpenSSL Cookbook

A Guide to the Most Frequently Used OpenSSL Features and Commands

Feisty Duck **A guide to the most frequently used OpenSSL features and commands, written by Ivan Ristic. Comprehensive coverage of OpenSSL installation, configuration, and key and certificate management Includes SSL/TLS Deployment Best Practices, a design and deployment guide Written by a well-known practitioner in the field and the author of SSL Labs and the SSL/TLS configuration assessment tool Available in a variety of digital formats (PDF, EPUB, Mobi/Kindle); no DRM Continuously updated OpenSSL Cookbook is built around one chapter from Bulletproof SSL/TLS and PKI, a larger work that provides complete coverage of SSL/TLS and PKI topics. To download your free copy in various formats, visit feistyduck.com/books/openssl-cookbook/**

Active Directory Cookbook

Solutions for Administrators & Developers

"O'Reilly Media, Inc." **Take the guesswork out of deploying, administering, and automating Active Directory. With hundreds of proven recipes, the updated edition of this popular cookbook provides quick, step-by-step solutions to common (and not so common) problems you might encounter when working with Microsoft's network directory service. This fourth edition includes troubleshooting recipes for Windows Server 2012, Windows 8, and Exchange 2013, based on valuable input from Windows administrators. You'll also find quick solutions for the Lightweight Directory Access Protocol (LDAP), Active Directory Lightweight Directory Services (AD LDS), multi-master replication, DNS, Group Policy, and many other features. Manage new AD features, such as the Recycle Bin, Group Managed Service Accounts, and fine-grained password policies Work with AD from the command line and use Windows PowerShell to automate tasks Remove and create forests, domains, and trusts Create groups, modify group scope and type, and manage membership Delegate**

control, view and modify permissions, and handle Kerberos tickets Import and export data with LDAP Data Interchange Format (LDIF) Synchronize multiple directories and enforce data integrity within a single or multiple stores Back up AD, and perform authoritative and non-authoritative restores

Group Policy

Fundamentals, Security, and the Managed Desktop

John Wiley & Sons **"Updated to include Windows 10, 8.1, and 7 and Windows Server 2016 and 2012"--Cover.**

PROC SQL

Beyond the Basics Using SAS, Third Edition

SAS Institute **PROC SQL: Beyond the Basics Using SAS®, Third Edition, is a step-by-step, example-driven guide that helps readers master the language of PROC SQL. Packed with analysis and examples illustrating an assortment of PROC SQL options, statements, and clauses, this book not only covers all the basics, but it also offers extensive guidance on complex topics such as set operators and correlated subqueries. Programmers at all levels will appreciate Kirk Lafler's easy-to-follow examples, clear explanations, and handy tips to extend their knowledge of PROC SQL. This third edition explores new and powerful features in SAS® 9.4, including topics such as: IFC and IFN functions nearest neighbor processing the HAVING clause indexes It also features two completely new chapters on fuzzy matching and data-driven programming. Delving into the workings of PROC SQL with greater analysis and discussion, PROC SQL: Beyond the Basics Using SAS®, Third Edition, explores this powerful database language using discussion and numerous real-world examples.**

The Knitting Answer Book

Storey Publishing **Discusses subjects ranging from needle sizes and yarn weights to curling edges, chart reading, tight ribbing, and dropped stitches, in a question-and-answer format.**

CompTIA A+ Complete Practice Tests

Exam Core 1 220-1001 and Exam Core 2 220-1002

John Wiley & Sons **Test your knowledge and know what to expect on A+ exam day CompTIA A+ Complete Practice Tests, Second Edition enables you to hone your test-taking skills, focus on challenging areas, and be thoroughly prepared to ace the exam and earn your A+ certification. This essential component of your overall study plan presents nine unique practice tests—and two 90-question bonus tests—covering 100% of the objective domains for both the 220-1001 and 220-1002 exams. Comprehensive coverage of every essential exam topic ensures that you will know what to expect on exam day and maximize your chances for success. Over 1200 practice questions on topics including hardware, networking, mobile devices, operating systems and procedures, troubleshooting, and more, lets you assess your performance and gain the confidence you need to pass the exam with flying colors. This second edition has been fully updated to reflect the latest best practices and updated exam objectives you will see on the big day. A+ certification is a crucial step in your IT career. Many businesses require this accreditation when hiring computer technicians or validating the skills of current employees. This collection of practice tests allows you to: Access the test bank in the Sybex interactive learning environment Understand the subject matter through clear and accurate answers and explanations of exam objectives Evaluate your exam knowledge and concentrate on problem areas Integrate practice tests with other Sybex review and study guides, including the CompTIA A+ Complete Study Guide and the CompTIA A+ Complete Deluxe Study Guide Practice tests are an effective way to increase comprehension, strengthen retention, and measure overall knowledge. The**

CompTIA A+ Complete Practice Tests, Second Edition is an indispensable part of any study plan for A+ certification.

Designing Embedded Hardware

"O'Reilly Media, Inc." **Intelligent readers who want to build their own embedded computer systems-- installed in everything from cell phones to cars to handheld organizers to refrigerators-- will find this book to be the most in-depth, practical, and up-to-date guide on the market. Designing Embedded Hardware carefully steers between the practical and philosophical aspects, so developers can both create their own devices and gadgets and customize and extend off-the-shelf systems. There are hundreds of books to choose from if you need to learn programming, but only a few are available if you want to learn to create hardware. Designing Embedded Hardware provides software and hardware engineers with no prior experience in embedded systems with the necessary conceptual and design building blocks to understand the architectures of embedded systems. Written to provide the depth of coverage and real-world examples developers need, Designing Embedded Hardware also provides a road-map to the pitfalls and traps to avoid in designing embedded systems. Designing Embedded Hardware covers such essential topics as: The principles of developing computer hardware Core hardware designs Assembly language concepts Parallel I/O Analog-digital conversion Timers (internal and external) UART Serial Peripheral Interface Inter-Integrated Circuit Bus Controller Area Network (CAN) Data Converter Interface (DCI) Low-power operation This invaluable and eminently useful book gives you the practical tools and skills to develop, build, and program your own application-specific computers.**

A Guide to Computer User Support for Help Desk and Support Specialists

Cengage Learning **Equip current and future user-support professionals with the critical people skills and exceptional technical knowledge necessary to provide outstanding support with Beisse's A GUIDE TO COMPUTER USER SUPPORT FOR HELP DESK AND SUPPORT SPECIALISTS, 6E. This useful guide focuses on the informational resources and technical tools students need most to function effectively in a support position. Readers develop the skills to handle troubleshooting and problem solving, successfully communicate with clients, determine a client's specific needs, and train end-users, as well as handle budgeting and other management priorities. Clear, balanced coverage in this edition highlights the latest trends and developments, from Web and e-mail-based support to assistance with Windows 7 and cloud computing. Engaging special features, such as Tips and On the Web Pointers, provide important insights, while new Discussion Questions and Case Projects encourage active participation in the learning process. Leading professional software HelpSTAR and Microsoft Office Project Professional 2010 accompany Beisse's A GUIDE TO COMPUTER USER SUPPORT FOR HELP DESK AND SUPPORT SPECIALISTS, 6E to reinforce the knowledge and skills your students need for success in today's user-support positions. Important Notice: Media content referenced within the product description or the product text may not be available in the ebook version.**

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how networks work - Discusses how networks support the increasing demands of advanced communications - Illustrates how to map the right technology to an organization's needs and business goals - Outlines how businesses use networks to solve business problems, both technically and operationally.

Programming Embedded Systems

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