

Linux Bible 2015

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*LPIC-1: LINUX PROFESSIONAL
INSTITUTE CERTIFICATION STUDY
GUIDE - CHRISTINE BRESNAHAN
2015-04-28*

YOUR COMPLETE GUIDE TO PREPARING FOR THE LPIC-1 LINUX PROFESSIONAL INSTITUTE CERTIFICATION EXAMS 101-400 AND 102-400 THE LPIC-1 LINUX PROFESSIONAL INSTITUTE CERTIFICATION STUDY GUIDE, 4TH EDITION IS YOUR ONE-STOP RESOURCE FOR COMPLETE COVERAGE OF EXAMS 101-400 AND 102-400. THIS SYBEX STUDY GUIDE COVERS 100% OF ALL EXAM 101-400 AND 102-400 OBJECTIVES. YOU'LL PREPARE FOR THE EXAMS SMARTER AND FASTER WITH SYBEX THANKS TO SUPERIOR CONTENT INCLUDING, ASSESSMENT TESTS THAT CHECK EXAM READINESS, OBJECTIVE MAP, REAL-WORLD SCENARIOS, HANDS-ON EXERCISES, KEY TOPIC EXAM

ESSENTIALS, AND CHALLENGING CHAPTER REVIEW QUESTIONS. REINFORCE WHAT YOU HAVE LEARNED WITH THE EXCLUSIVE SYBEX ONLINE LEARNING ENVIRONMENT, ASSESSABLE ACROSS MULTIPLE DEVICES. GET PREPARED FOR THE LPIC-1 EXAMS 101-400 AND 102-400 WITH SYBEX. COVERAGE OF 100% OF ALL EXAM OBJECTIVES IN THIS STUDY GUIDE MEANS YOU'LL BE READY FOR: MANAGING SOFTWARE CONFIGURING HARDWARE MANAGING FILES BOOTING LINUX AND EDITING FILES CONFIGURING THE X WINDOW SYSTEM CONFIGURING BASIC NETWORKING WRITING SCRIPTS, CONFIGURING EMAIL, AND USING DATABASES COVERS 100% OF EXAM OBJECTIVES, INCLUDING SYSTEM ARCHITECTURE, GNU AND UNIX COMMANDS, SHELLS, SCRIPTING, AND DATA MANAGEMENT, ADMINISTRATIVE TASKS, SYSTEM SERVICES,

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NETWORKING, AND MUCH MORE...
INCLUDES INTERACTIVE ONLINE LEARNING ENVIRONMENT WITH: CUSTOM PRACTICE EXAMS 150 ELECTRONIC FLASHCARDS SEARCHABLE KEY TERM GLOSSARY INTERACTIVE LEARNING ENVIRONMENT TAKE YOUR EXAM PREP TO THE NEXT LEVEL WITH SYBEX'S SUPERIOR INTERACTIVE ONLINE TOOLS. TO ACCESS THE LEARNING ENVIRONMENT, SIMPLY VISIT:
[HTTP://SYBEXTESTBANKS.WILEY.COM](http://sybextestbanks.wiley.com), TYPE IN YOUR UNIQUE PIN AND INSTANTLY GAIN ACCESS TO: INTERACTIVE ONLINE LEARNING ENVIRONMENT AND TEST BANK COVERING BOTH LPIC-1 EXAMS, INCLUDING 200 CHAPTER REVIEW QUESTIONS AND TWO 50-QUESTION BONUS EXAMS. 150 ELECTRONIC FLASHCARDS TO REINFORCE LEARNING AND PROVIDE LAST MINUTE PREP BEFORE THE EXAM. COMPREHENSIVE SEARCHABLE GLOSSARY IN PDF FORMAT GIVES YOU INSTANT ACCESS TO THE KEY TERMS SO YOU ARE FULLY PREPARED.

FEDORA LINUX TOOLBOX - CHRISTOPHER NEGUS 2007-12-11
IN THIS HANDY, COMPACT GUIDE, YOU'LL EXPLORE A TON OF POWERFUL FEDORA LINUX COMMANDS WHILE YOU LEARN TO USE FEDORA LINUX AS THE EXPERTS DO: FROM THE COMMAND LINE. TRY OUT MORE THAN 1,000 COMMANDS TO FIND AND GET SOFTWARE, MONITOR SYSTEM HEALTH AND SECURITY, AND ACCESS NETWORK RESOURCES. THEN, APPLY THE SKILLS YOU LEARN FROM THIS BOOK TO USE AND ADMINISTER DESKTOPS AND

SERVERS RUNNING FEDORA, CENTOS, RED HAT ENTERPRISE LINUX, OR ANY OTHER LINUX DISTRIBUTION.

LINUX IN A NUTSHELL - ELLEN SIEVER 2005-07-27

CONTAINS AN INTRODUCTION TO THE OPERATING SYSTEM WITH DETAILED DOCUMENTATION ON COMMANDS, UTILITIES, PROGRAMS, SYSTEM CONFIGURATION, AND NETWORKING.

THE LINUX COMMAND LINE, 2ND EDITION - WILLIAM SHOTTS 2019-03-07

YOU'VE EXPERIENCED THE SHINY, POINT-AND-CLICK SURFACE OF YOUR LINUX COMPUTER—NOW DIVE BELOW AND EXPLORE ITS DEPTHS WITH THE POWER OF THE COMMAND LINE. THE LINUX COMMAND LINE TAKES YOU FROM YOUR VERY FIRST TERMINAL KEYSTROKES TO WRITING FULL PROGRAMS IN BASH, THE MOST POPULAR LINUX SHELL (OR COMMAND LINE). ALONG THE WAY YOU'LL LEARN THE TIMELESS SKILLS HANDED DOWN BY GENERATIONS OF EXPERIENCED, MOUSE-SHUNNING GURUS: FILE NAVIGATION, ENVIRONMENT CONFIGURATION, COMMAND CHAINING, PATTERN MATCHING WITH REGULAR EXPRESSIONS, AND MORE. IN ADDITION TO THAT PRACTICAL KNOWLEDGE, AUTHOR WILLIAM SHOTTS REVEALS THE PHILOSOPHY BEHIND THESE TOOLS AND THE RICH HERITAGE THAT YOUR DESKTOP LINUX MACHINE HAS INHERITED FROM UNIX SUPERCOMPUTERS OF YORE. AS YOU MAKE YOUR WAY THROUGH THE BOOK'S SHORT, EASILY-DIGESTIBLE CHAPTERS, YOU'LL LEARN HOW TO:

CREATE AND DELETE FILES, DIRECTORIES,

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AND SYMLINKS ADMINISTER YOUR SYSTEM, INCLUDING NETWORKING, PACKAGE INSTALLATION, AND PROCESS MANAGEMENT USE STANDARD INPUT AND OUTPUT, REDIRECTION, AND PIPELINES EDIT FILES WITH VI, THE WORLD'S MOST POPULAR TEXT EDITOR WRITE SHELL SCRIPTS TO AUTOMATE COMMON OR BORING TASKS SLICE AND DICE TEXT FILES WITH CUT, PASTE, GREP, PATCH, AND SED ONCE YOU OVERCOME YOUR INITIAL "SHELL SHOCK," YOU'LL FIND THAT THE COMMAND LINE IS A NATURAL AND EXPRESSIVE WAY TO COMMUNICATE WITH YOUR COMPUTER. JUST DON'T BE SURPRISED IF YOUR MOUSE STARTS TO GATHER DUST.

RED HAT ENTERPRISE LINUX TROUBLESHOOTING GUIDE - BENJAMIN CANE 2015-10-19

IDENTIFY, CAPTURE AND RESOLVE COMMON ISSUES FACED BY RED HAT ENTERPRISE LINUX ADMINISTRATORS USING BEST PRACTICES AND ADVANCED TROUBLESHOOTING TECHNIQUES ABOUT THIS BOOK DEVELOP A STRONG UNDERSTANDING OF THE BASE TOOLS AVAILABLE WITHIN RED HAT ENTERPRISE LINUX (RHEL) AND HOW TO UTILIZE THESE TOOLS TO TROUBLESHOOT AND RESOLVE REAL-WORLD ISSUES GAIN HIDDEN TIPS AND TECHNIQUES TO HELP YOU QUICKLY DETECT THE REASON FOR POOR NETWORK/STORAGE PERFORMANCE TROUBLESHOOT YOUR RHEL TO ISOLATE PROBLEMS USING THIS EXAMPLE-ORIENTED GUIDE FULL OF REAL-WORLD SOLUTIONS WHO THIS BOOK IS FOR IF YOU HAVE A BASIC

KNOWLEDGE OF LINUX FROM ADMINISTRATION OR CONSULTANT EXPERIENCE AND WISH TO ADD TO YOUR RED HAT ENTERPRISE LINUX TROUBLESHOOTING SKILLS, THEN THIS BOOK IS IDEAL FOR YOU. THE ABILITY TO NAVIGATE AND USE BASIC LINUX COMMANDS IS EXPECTED. WHAT YOU WILL LEARN IDENTIFY ISSUES THAT NEED RAPID RESOLUTION AGAINST LONG TERM ROOT CAUSE ANALYSIS DISCOVER COMMANDS FOR TESTING NETWORK CONNECTIVITY SUCH AS TELNET, NETSTAT, PING, IP AND CURL SPOT PERFORMANCE ISSUES WITH COMMANDS SUCH AS TOP, PS, FREE, IOSTAT, AND VMSTAT USE TCPDUMP FOR TRAFFIC ANALYSIS REPAIR A DEGRADED FILE SYSTEM AND REBUILD A SOFTWARE RAID IDENTIFY AND TROUBLESHOOT HARDWARE ISSUES USING DMSG TROUBLESHOOT CUSTOM APPLICATIONS WITH STRACE AND KNOWLEDGE OF LINUX RESOURCE LIMITATIONS IN DETAIL RED HAT ENTERPRISE LINUX IS AN OPERATING SYSTEM THAT ALLOWS YOU TO MODERNIZE YOUR INFRASTRUCTURE, BOOST EFFICIENCY THROUGH VIRTUALIZATION, AND FINALLY PREPARE YOUR DATA CENTER FOR AN OPEN, HYBRID CLOUD IT ARCHITECTURE. IT PROVIDES THE STABILITY TO TAKE ON TODAY'S CHALLENGES AND THE FLEXIBILITY TO ADAPT TO TOMORROW'S DEMANDS. IN THIS BOOK, YOU BEGIN WITH SIMPLE TROUBLESHOOTING BEST PRACTICES AND GET AN OVERVIEW OF THE LINUX COMMANDS USED FOR

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TROUBLESHOOTING. THE BOOK WILL COVER THE TROUBLESHOOTING METHODS FOR WEB APPLICATIONS AND SERVICES SUCH AS APACHE AND MYSQL. THEN, YOU WILL LEARN TO IDENTIFY SYSTEM PERFORMANCE BOTTLENECKS AND TROUBLESHOOT NETWORK ISSUES; ALL WHILE LEARNING ABOUT VITAL TROUBLESHOOTING STEPS SUCH AS UNDERSTANDING THE PROBLEM STATEMENT, ESTABLISHING A HYPOTHESIS, AND UNDERSTANDING TRIAL, ERROR, AND DOCUMENTATION. NEXT, THE BOOK WILL SHOW YOU HOW TO CAPTURE AND ANALYZE NETWORK TRAFFIC, USE ADVANCED SYSTEM TROUBLESHOOTING TOOLS SUCH AS STRACE, TCPDUMP & DMESG, AND DISCOVER COMMON ISSUES WITH SYSTEM DEFAULTS. FINALLY, THE BOOK WILL TAKE YOU THROUGH A DETAILED ROOT CAUSE ANALYSIS OF AN UNEXPECTED REBOOT WHERE YOU WILL LEARN TO RECOVER A DOWNED SYSTEM.

STYLE AND APPROACH THIS IS AN EASY-TO-FOLLOW GUIDE PACKED WITH EXAMPLES OF REAL-WORLD CORE LINUX CONCEPTS. ALL THE TOPICS ARE PRESENTED IN DETAIL WHILE YOU'RE PERFORMING THE ACTUAL TROUBLESHOOTING STEPS.

DOCKER CONTAINERS (INCLUDES CONTENT UPDATE PROGRAM) - CHRISTOPHER NEGUS 2015-11-26
THE PRACTICAL GUIDE TO RUNNING DOCKER ON LINUX SYSTEMS OR CLOUD ENVIRONMENTS WHETHER ON YOUR LAPTOP OR A REMOTE CLOUD, DOCKER CAN TRANSFORM HOW YOU CREATE, TEST, DEPLOY, AND MANAGE YOUR

MOST CRITICAL APPLICATIONS. IN DOCKER CONTAINERS, CHRISTOPHER NEGUS HELPS YOU MASTER DOCKER CONTAINERIZATION FROM THE GROUND UP. YOU'LL START OUT RUNNING A FEW DOCKER CONTAINER IMAGES IN UBUNTU, FEDORA, RHEL, COREOS, OR PROJECT ATOMIC. BY THE TIME YOU'VE FINISHED, YOU'LL BE DEPLOYING ENTERPRISE-QUALITY, MULTI-CONTAINER KUBERNETES SETUPS IN MODERN LINUX AND CLOUD ENVIRONMENTS. WRITING FOR SYSTEM ADMINISTRATORS, SOFTWARE DEVELOPERS, AND TECHNOLOGY ENTHUSIASTS, NEGUS TOUCHES ON EVERY ASPECT OF WORKING WITH DOCKER: SETTING UP CONTAINERIZED APPLICATIONS, WORKING WITH BOTH INDIVIDUAL AND MULTIPLE CONTAINERS, RUNNING CONTAINERS IN CLOUD ENVIRONMENTS, AND DEVELOPING CONTAINERS. TEACHING THROUGH REALISTIC EXAMPLES OF DESKTOP APPLICATIONS, SYSTEM SERVICES, AND GAMES, NEGUS GUIDES YOU THROUGH BUILDING AND DEPLOYING YOUR OWN DOCKERIZED APPLICATIONS. AS YOU BUILD YOUR EXPERTISE, YOU'LL ALSO LEARN INDISPENSABLE DOCKER BEST PRACTICES FOR BUILDING AND INTEGRATING CONTAINERS, MANAGING DOCKER ON A DAY-TO-DAY BASIS, AND MUCH MORE: • UNDERSTANDING WHAT DOCKER IS AND WHAT YOU CAN DO WITH IT • INSTALLING DOCKER ON STANDARD LINUX OR SPECIALIZED CONTAINER OPERATING SYSTEMS SUCH AS ATOMIC HOST AND COREOS • SETTING UP A CONTAINER RUNTIME ENVIRONMENT AND

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PRIVATE DOCKER REGISTRY • CREATING, RUNNING, AND INVESTIGATING DOCKER IMAGES AND CONTAINERS • FINDING, PULLING, SAVING, LOADING, AND TAGGING CONTAINER IMAGES • PULLING AND PUSHING CONTAINERS BETWEEN LOCAL SYSTEMS AND DOCKER REGISTRIES • INTEGRATING DOCKER CONTAINERS WITH HOST NETWORKING AND STORAGE • BUILDING CONTAINERS WITH THE DOCKER BUILD COMMAND AND DOCKERFILE FILES • MINIMIZING SPACE CONSUMPTION AND ERASING UNNEEDED CONTAINERS • ACCESSING SPECIAL HOST PRIVILEGES FROM WITHIN A CONTAINER • ORCHESTRATING MULTIPLE CONTAINERS INTO COMPLEX APPLICATIONS WITH KUBERNETES • USING SUPER PRIVILEGED CONTAINERS IN CLOUD ENVIRONMENTS • MANAGING CONTAINERS IN THE CLOUD WITH COCKPIT • GETTING STARTED WITH DOCKER CONTAINER DEVELOPMENT • LEARNING CONTAINER BUILD TECHNIQUES FROM SHARED DOCKERFILES THIS BOOK IS PART OF THE PEARSON CONTENT UPDATE PROGRAM. AS THE TECHNOLOGY CHANGES, SECTIONS OF THIS BOOK WILL BE UPDATED OR NEW SECTIONS WILL BE ADDED. THE UPDATES WILL BE DELIVERED TO YOU VIA A FREE WEB EDITION OF THIS BOOK, WHICH CAN BE ACCESSED WITH ANY INTERNET CONNECTION.

LINUX APACHE WEB SERVER ADMINISTRATION - CHARLES AULDS
2002-10-14

AUTHORITATIVE ANSWERS TO ALL YOUR APACHE QUESTIONS--NOW UPDATED TO COVER APACHE 2.0

LINUX APACHE WEB SERVER ADMINISTRATION IS THE MOST COMPLETE, MOST ADVANCED GUIDE TO THE APACHE WEB SERVER YOU'LL FIND ANYWHERE. WRITTEN BY A LEADING APACHE EXPERT--AND NOW UPDATED TO COVER APACHE 2.0--THIS BOOK TEACHES YOU, STEP-BY-STEP, ALL THE STANDARD AND ADVANCED TECHNIQUES YOU NEED TO KNOW TO ADMINISTER APACHE ON A LINUX BOX. HUNDREDS OF CLEAR, CONSISTENT EXAMPLES ILLUSTRATE THESE TECHNIQUES IN DETAIL--SO YOU STAY ON TRACK AND ACCOMPLISH ALL YOUR GOALS. COVERAGE INCLUDES: * COMPILING APACHE FROM SOURCE CODE * CREATING AND HOSTING VIRTUAL WEB SITES * USING SERVER-SIDE INCLUDES TO CREATE WEB PAGES WITH DYNAMIC CONTENT * USING APACHE DIRECTIVES TO CONFIGURE YOUR SITE * EXTENDING APACHE USING ADD-ON MODULES * USING THE COMMON GATEWAY INTERFACE FOR WEB PROGRAMMING * ENHANCING THE PERFORMANCE OF CGI PROGRAMS WITH FASTCGI AND MOD_PERL * INSTALLING APACHE SUPPORT FOR PHP * EXTENDING APACHE TO RUN JAVA SERVLETS OR JAVA SERVER PAGES * ATTACHING APACHE TO A DATABASE SERVER * USING URL REWRITING FOR INCREASED REQUEST-HANDLING FLEXIBILITY * IMPLEMENTING USER AUTHENTICATION * ADDING SECURE SOCKETS LAYER FOR ENHANCED SYSTEM SECURITY * CUSTOMIZING APACHE'S LOG FORMATS

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IN-DEPTH, ADVANCED COVERAGE OF THE KEY TOPICS FOR LINUX

ADMINISTRATORS. TOPICS INCLUDE SAMBA, SYSTEM ADMINISTRATION, DNS SERVER ADMINISTRATION, NETWORK SERVERS, SECURITY, AND SENDMAIL. EACH BOOK IN THE SERIES IS EITHER WRITTEN BY OR METICULOUSLY REVIEWED BY CRAIG HUNT TO ENSURE THE HIGHEST QUALITY AND MOST COMPLETE COVERAGE FOR NETWORKING PROFESSIONALS WORKING SPECIFICALLY IN LINUX ENVIRONMENTS.

LINUX POCKET GUIDE - DANIEL J. BARRETT 2004-02-18

O'REILLY'S POCKET GUIDES HAVE EARNED A REPUTATION AS INEXPENSIVE, COMPREHENSIVE, AND COMPACT GUIDES THAT HAVE THE STUFF BUT NOT THE FLUFF. EVERY PAGE OF LINUX POCKET GUIDE LIVES UP TO THIS BILLING. IT CLEARLY EXPLAINS HOW TO GET UP TO SPEED QUICKLY ON DAY-TO-DAY LINUX USE. ONCE YOU'RE UP AND RUNNING, LINUX POCKET GUIDE PROVIDES AN EASY-TO-USE REFERENCE THAT YOU CAN KEEP BY YOUR KEYBOARD FOR THOSE TIMES WHEN YOU WANT A FAST, USEFUL ANSWER, NOT HOURS IN THE MAN PAGES. LINUX POCKET GUIDE IS ORGANIZED THE WAY YOU USE LINUX: BY FUNCTION, NOT JUST ALPHABETICALLY. IT'S NOT THE 'BIBLE OF LINUX'; IT'S A PRACTICAL AND CONCISE GUIDE TO THE OPTIONS AND COMMANDS YOU NEED MOST. IT STARTS WITH GENERAL CONCEPTS LIKE FILES AND DIRECTORIES, THE SHELL, AND X WINDOWS, AND THEN PRESENTS DETAILED OVERVIEWS OF THE MOST

ESSENTIAL COMMANDS, WITH CLEAR EXAMPLES. YOU'LL LEARN EACH COMMAND'S PURPOSE, USAGE, OPTIONS, LOCATION ON DISK, AND EVEN THE RPM PACKAGE THAT INSTALLED IT. THE LINUX POCKET GUIDE IS TAILORED TO FEDORA LINUX--THE LATEST SPIN-OFF OF RED HAT LINUX--BUT MOST OF THE INFORMATION APPLIES TO ANY LINUX SYSTEM. THROW IN A HOST OF VALUABLE POWER USER TIPS AND A FRIENDLY AND ACCESSIBLE STYLE, AND YOU'LL QUICKLY FIND THIS PRACTICAL, TO-THE-POINT BOOK A SMALL BUT MIGHTY RESOURCE FOR LINUX USERS.

THE BOOK OF R - TILMAN M. DAVIES 2016-07-16

THE BOOK OF R IS A COMPREHENSIVE, BEGINNER-FRIENDLY GUIDE TO R, THE WORLD'S MOST POPULAR PROGRAMMING LANGUAGE FOR STATISTICAL ANALYSIS. EVEN IF YOU HAVE NO PROGRAMMING EXPERIENCE AND LITTLE MORE THAN A GROUNDING IN THE BASICS OF MATHEMATICS, YOU'LL FIND EVERYTHING YOU NEED TO BEGIN USING R EFFECTIVELY FOR STATISTICAL ANALYSIS. YOU'LL START WITH THE BASICS, LIKE HOW TO HANDLE DATA AND WRITE SIMPLE PROGRAMS, BEFORE MOVING ON TO MORE ADVANCED TOPICS, LIKE PRODUCING STATISTICAL SUMMARIES OF YOUR DATA AND PERFORMING STATISTICAL TESTS AND MODELING. YOU'LL EVEN LEARN HOW TO CREATE IMPRESSIVE DATA VISUALIZATIONS WITH R'S BASIC GRAPHICS TOOLS AND CONTRIBUTED PACKAGES, LIKE GGPLOT2 AND GGVIS, AS WELL AS INTERACTIVE 3D

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VISUALIZATIONS USING THE RGL PACKAGE. DOZENS OF HANDS-ON EXERCISES (WITH DOWNLOADABLE SOLUTIONS) TAKE YOU FROM THEORY TO PRACTICE, AS YOU LEARN: -THE FUNDAMENTALS OF PROGRAMMING IN R, INCLUDING HOW TO WRITE DATA FRAMES, CREATE FUNCTIONS, AND USE VARIABLES, STATEMENTS, AND LOOPS -STATISTICAL CONCEPTS LIKE EXPLORATORY DATA ANALYSIS, PROBABILITIES, HYPOTHESIS TESTS, AND REGRESSION MODELING, AND HOW TO EXECUTE THEM IN R -HOW TO ACCESS R'S THOUSANDS OF FUNCTIONS, LIBRARIES, AND DATA SETS -HOW TO DRAW VALID AND USEFUL CONCLUSIONS FROM YOUR DATA -HOW TO CREATE PUBLICATION-QUALITY GRAPHICS OF YOUR RESULTS COMBINING DETAILED EXPLANATIONS WITH REAL-WORLD EXAMPLES AND EXERCISES, THIS BOOK WILL PROVIDE YOU WITH A SOLID UNDERSTANDING OF BOTH STATISTICS AND THE DEPTH OF R'S FUNCTIONALITY. MAKE THE BOOK OF R YOUR DOORWAY INTO THE GROWING WORLD OF DATA ANALYSIS.

THE OFFICIAL UBUNTU SERVER BOOK - KYLE RANKIN 2009-07-17

UBUNTU SERVER IS A COMPLETE, FREE SERVER OPERATING SYSTEM THAT JUST WORKS, WITH THE EXTRA UBUNTU POLISH, INNOVATION, AND SIMPLICITY THAT ADMINISTRATORS LOVE. NOW, THERE'S A DEFINITIVE, AUTHORITATIVE GUIDE TO GETTING UP-AND-RUNNING QUICKLY WITH THE NEWEST, MOST POWERFUL VERSIONS OF UBUNTU SERVER. WRITTEN BY LEADING MEMBERS

OF THE UBUNTU COMMUNITY, THE OFFICIAL UBUNTU SERVER BOOK COVERS ALL YOU NEED TO KNOW TO MAKE THE MOST OF UBUNTU SERVER, WHETHER YOU'RE A BEGINNER OR A BATTLE-HARDENED SENIOR SYSTEM ADMINISTRATOR. THE AUTHORS COVER UBUNTU SERVER FROM START TO FINISH: INSTALLATION, BASIC ADMINISTRATION AND MONITORING, SECURITY, BACKUP, TROUBLESHOOTING, SYSTEM RESCUE, AND MUCH MORE. THEY WALK THROUGH DEPLOYING EACH OF THE MOST COMMON SERVER APPLICATIONS, FROM FILE AND PRINT SERVICES TO STATE-OF-THE-ART, COST-SAVING VIRTUALIZATION. IN ADDITION, YOU'LL LEARN HOW TO MAKE THE MOST OF UBUNTU SERVER'S LATEST, MOST POWERFUL TECHNOLOGIES DISCOVER EASY, FAST WAYS TO PERFORM KEY ADMINISTRATION TASKS AUTOMATE UBUNTU INSTALLS, NO MATTER HOW MANY SERVERS YOU'RE INSTALLING QUICKLY SET UP LOW-COST WEB SERVERS AND EMAIL PROTECT YOUR SERVER WITH UBUNTU'S BUILT-IN AND OPTIONAL SECURITY TOOLS MINIMIZE DOWNTIME WITH FAULT TOLERANCE AND CLUSTERING MASTER PROVEN, STEP-BY-STEP SERVER AND NETWORK TROUBLESHOOTING TECHNIQUES WALK THROUGH RESCUING AN UBUNTU SERVER THAT WON'T BOOT

MAC OS X UNIX TOOLBOX - CHRISTOPHER NEGUS 2009-06-29

EXPLORE A TON OF POWERFUL MAC OS X UNIX COMMANDS THIS HANDY, COMPACT GUIDE TEACHES YOU TO USE

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MAC OS X UNIX SYSTEMS AS THE EXPERTS DO: FROM THE COMMAND LINE. TRY OUT MORE THAN 1,000 COMMANDS TO FIND AND GET SOFTWARE, MONITOR SYSTEM HEALTH AND SECURITY, AND ACCESS NETWORK RESOURCES. APPLY THE SKILLS YOU LEARN FROM THIS BOOK TO TROUBLESHOOT NETWORKS, LOCK DOWN SECURITY, AND UNCOVER ALMOST ANYTHING YOU CARE TO KNOW ABOUT YOUR MAC OS X SYSTEM. EXPAND YOUR MAC OS X UNIX EXPERTISE IN THESE AND OTHER AREAS: USING THE SHELL FINDING ONLINE SOFTWARE WORKING WITH FILES PLAYING WITH MUSIC AND IMAGES ADMINISTERING FILE SYSTEMS BACKING UP DATA CHECKING AND MANAGING RUNNING PROCESSES ACCESSING NETWORK RESOURCES HANDLING REMOTE SYSTEM ADMINISTRATION LOCKING DOWN SECURITY

BEYOND DATABASES, ARCHITECTURES AND STRUCTURES. FACING THE CHALLENGES OF DATA PROLIFERATION AND GROWING VARIETY - STANISŁAW KOZIELSKI 2018-09-07

THIS BOOK CONSTITUTES THE REFEREED PROCEEDINGS OF THE 14TH INTERNATIONAL CONFERENCE ENTITLED BEYOND DATABASES, ARCHITECTURES AND STRUCTURES, BDAS 2018, HELD IN POZNAŃ, POLAND, IN SEPTEMBER 2018, DURING THE IFIP WORLD COMPUTER CONGRESS. IT CONSISTS OF 38 CAREFULLY REVIEWED PAPERS SELECTED FROM 102 SUBMISSIONS. THE PAPERS ARE ORGANIZED IN TOPICAL SECTIONS, NAMELY BIG DATA AND

CLOUD COMPUTING; ARCHITECTURES, STRUCTURES AND ALGORITHMS FOR EFFICIENT DATA PROCESSING; ARTIFICIAL INTELLIGENCE, DATA MINING AND KNOWLEDGE DISCOVERY; TEXT MINING, NATURAL LANGUAGE PROCESSING, ONTOLOGIES AND SEMANTIC WEB; IMAGE ANALYSIS AND MULTIMEDIA MINING.

ESSENTIAL SYSTEM ADMINISTRATION - PLEEN FRISCH 2002-08-23
ESSENTIAL SYSTEM

ADMINISTRATION, 3RD EDITION IS THE DEFINITIVE GUIDE FOR UNIX SYSTEM ADMINISTRATION, COVERING ALL THE FUNDAMENTAL AND ESSENTIAL TASKS REQUIRED TO RUN SUCH DIVERGENT UNIX SYSTEMS AS AIX, FREEBSD, HP-UX, LINUX, SOLARIS, TRU64 AND MORE. ESSENTIAL SYSTEM

ADMINISTRATION PROVIDES A CLEAR, CONCISE, PRACTICAL GUIDE TO THE REAL-WORLD ISSUES THAT ANYONE RESPONSIBLE FOR A UNIX SYSTEM FACES DAILY. THE NEW EDITION OF THIS INDISPENSABLE REFERENCE HAS BEEN FULLY UPDATED FOR ALL THE LATEST OPERATING SYSTEMS. EVEN MORE IMPORTANTLY, IT HAS BEEN EXTENSIVELY REVISED AND EXPANDED TO CONSIDER THE CURRENT SYSTEM ADMINISTRATIVE TOPICS THAT ADMINISTRATORS NEED MOST.

ESSENTIAL SYSTEM ADMINISTRATION, 3RD EDITION COVERS: DHCP, USB DEVICES, THE LATEST AUTOMATION TOOLS, SNMP AND NETWORK MANAGEMENT, LDAP, PAM, AND RECENT SECURITY TOOLS AND TECHNIQUES. ESSENTIAL SYSTEM ADMINISTRATION IS COMPREHENSIVE

BUT WHAT HAS MADE THIS BOOK THE GUIDE SYSTEM ADMINISTRATORS TURN TO OVER AND OVER AGAIN IS NOT JUST THE SHEER VOLUME OF VALUABLE INFORMATION IT PROVIDES, BUT THE CLEAR, USEFUL WAY THE INFORMATION IS PRESENTED. IT DISCUSSES THE UNDERLYING HIGHER-LEVEL CONCEPTS, BUT IT ALSO PROVIDES THE DETAILS OF THE PROCEDURES NEEDED TO CARRY THEM OUT. IT IS NOT ORGANIZED AROUND THE FEATURES OF THE UNIX OPERATING SYSTEM, BUT AROUND THE VARIOUS FACETS OF A SYSTEM ADMINISTRATOR'S JOB. IT DESCRIBES ALL THE USUAL ADMINISTRATIVE TOOLS THAT UNIX PROVIDES, BUT IT ALSO SHOWS HOW TO USE THEM INTELLIGENTLY AND EFFICIENTLY. WHETHER YOU USE A STANDALONE UNIX SYSTEM, ROUTINELY PROVIDE ADMINISTRATIVE SUPPORT FOR A LARGER SHARED SYSTEM, OR JUST WANT AN UNDERSTANDING OF BASIC ADMINISTRATIVE FUNCTIONS, ESSENTIAL SYSTEM ADMINISTRATION IS FOR YOU. THIS COMPREHENSIVE AND INVALUABLE BOOK COMBINES THE AUTHOR'S YEARS OF PRACTICAL EXPERIENCE WITH TECHNICAL EXPERTISE TO HELP YOU MANAGE UNIX SYSTEMS AS PRODUCTIVELY AND PAINLESSLY AS POSSIBLE.

THE LINUX COMMAND LINE - WILLIAM E. SHOTTS, JR. 2012

YOU'VE EXPERIENCED THE SHINY, POINT-AND-CLICK SURFACE OF YOUR LINUX COMPUTER—NOW DIVE BELOW AND EXPLORE ITS DEPTHS WITH THE POWER OF THE COMMAND LINE. THE LINUX

COMMAND LINE TAKES YOU FROM YOUR VERY FIRST TERMINAL KEYSTROKES TO WRITING FULL PROGRAMS IN BASH, THE MOST POPULAR LINUX SHELL. ALONG THE WAY YOU'LL LEARN THE TIMELESS SKILLS HANDED DOWN BY GENERATIONS OF GRAY-BEARDED, MOUSE-SHUNNING GURUS: FILE NAVIGATION, ENVIRONMENT CONFIGURATION, COMMAND CHAINING, PATTERN MATCHING WITH REGULAR EXPRESSIONS, AND MORE. IN ADDITION TO THAT PRACTICAL KNOWLEDGE, AUTHOR WILLIAM SHOTTS REVEALS THE PHILOSOPHY BEHIND THESE TOOLS AND THE RICH HERITAGE THAT YOUR DESKTOP LINUX MACHINE HAS INHERITED FROM UNIX SUPERCOMPUTERS OF YORE. AS YOU MAKE YOUR WAY THROUGH THE BOOK'S SHORT, EASILY-DIGESTIBLE CHAPTERS, YOU'LL LEARN HOW TO:

- * CREATE AND DELETE FILES, DIRECTORIES, AND SYMLINKS
- * ADMINISTER YOUR SYSTEM, INCLUDING NETWORKING, PACKAGE INSTALLATION, AND PROCESS MANAGEMENT
- * USE STANDARD INPUT AND OUTPUT, REDIRECTION, AND PIPELINES
- * EDIT FILES WITH VI, THE WORLD'S MOST POPULAR TEXT EDITOR
- * WRITE SHELL SCRIPTS TO AUTOMATE COMMON OR BORING TASKS
- * SLICE AND DICE TEXT FILES WITH CUT, PASTE, GREP, PATCH, AND SED

ONCE YOU OVERCOME YOUR INITIAL "SHELL SHOCK," YOU'LL FIND THAT THE COMMAND LINE IS A NATURAL AND EXPRESSIVE WAY TO COMMUNICATE WITH YOUR COMPUTER. JUST DON'T BE SURPRISED IF YOUR MOUSE STARTS TO GATHER DUST. A FEATURED RESOURCE IN THE LINUX FOUNDATION'S

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"EVOLUTION OF A SYSADMIN"
**LINUX COMMAND LINE AND SHELL
SCRIPTING BIBLE** - RICHARD BLUM
2015-01-06

TALK DIRECTLY TO YOUR SYSTEM FOR A FASTER WORKFLOW WITH AUTOMATION CAPABILITY LINUX COMMAND LINE AND SHELL SCRIPTING BIBLE IS YOUR ESSENTIAL LINUX GUIDE. WITH DETAILED INSTRUCTION AND ABUNDANT EXAMPLES, THIS BOOK TEACHES YOU HOW TO BYPASS THE GRAPHICAL INTERFACE AND COMMUNICATE DIRECTLY WITH YOUR COMPUTER, SAVING TIME AND EXPANDING CAPABILITY. THIS THIRD EDITION INCORPORATES THIRTY PAGES OF NEW FUNCTIONAL EXAMPLES THAT ARE FULLY UPDATED TO ALIGN WITH THE LATEST LINUX FEATURES. BEGINNING WITH COMMAND LINE FUNDAMENTALS, THE BOOK MOVES INTO SHELL SCRIPTING AND SHOWS YOU THE PRACTICAL APPLICATION OF COMMANDS IN AUTOMATING FREQUENTLY PERFORMED FUNCTIONS. THIS GUIDE INCLUDES USEFUL TUTORIALS, AND A DESK REFERENCE VALUE OF NUMEROUS EXAMPLES. THE LINUX COMMAND LINE ALLOWS YOU TO TYPE SPECIFIC SHELL COMMANDS DIRECTLY INTO THE SYSTEM TO MANIPULATE FILES AND QUERY SYSTEM RESOURCES. COMMAND LINE STATEMENTS CAN BE COMBINED INTO SHORT PROGRAMS CALLED SHELL SCRIPTS, A PRACTICE INCREASING IN POPULARITY DUE TO ITS USEFULNESS IN AUTOMATION. THIS BOOK IS A COMPLETE GUIDE PROVIDING DETAILED INSTRUCTION AND EXPERT ADVICE

WORKING WITHIN THIS ASPECT OF LINUX. WRITE SIMPLE SCRIPT UTILITIES TO AUTOMATE TASKS UNDERSTAND THE SHELL, AND CREATE SHELL SCRIPTS PRODUCE DATABASE, E-MAIL, AND WEB SCRIPTS STUDY SCRIPTING EXAMPLES RANGING FROM BASIC TO ADVANCED WHETHER USED AS A TUTORIAL OR AS A QUICK REFERENCE, THIS BOOK CONTAINS INFORMATION THAT EVERY LINUX USER SHOULD KNOW. WHY NOT LEARN TO USE THE SYSTEM TO ITS UTMOST CAPABILITY? LINUX IS A ROBUST SYSTEM WITH TREMENDOUS POTENTIAL, AND LINUX COMMAND LINE AND SHELL SCRIPTING BIBLE OPENS THE DOOR TO NEW POSSIBILITIES.

LINUX - SYED MANSOOR SARWAR
2018-10-03

CHOSEN BY BOOKAUTHORITY AS ONE OF BOOKAUTHORITY'S BEST LINUX MINT BOOKS OF ALL TIME LINUX: THE TEXTBOOK, SECOND EDITION PROVIDES COMPREHENSIVE COVERAGE OF THE CONTEMPORARY USE OF THE LINUX OPERATING SYSTEM FOR EVERY LEVEL OF STUDENT OR PRACTITIONER, FROM BEGINNERS TO ADVANCED USERS. THE TEXT CLEARLY ILLUSTRATES SYSTEM-SPECIFIC COMMANDS AND FEATURES USING DEBIAN-FAMILY DEBIAN, UBUNTU, AND LINUX MINT, AND RHEL-FAMILY CENTOS, AND STRESSES UNIVERSAL COMMANDS AND FEATURES THAT ARE CRITICAL TO ALL LINUX DISTRIBUTIONS. THE SECOND EDITION OF THE BOOK INCLUDES EXTENSIVE UPDATES AND NEW CHAPTERS ON SYSTEM ADMINISTRATION FOR DESKTOP, STAND-ALONE PCs, AND SERVER-CLASS COMPUTERS. API FOR

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SYSTEM PROGRAMMING, INCLUDING THREAD PROGRAMMING WITH PTHREADS; VIRTUALIZATION METHODOLOGIES; AND AN EXTENSIVE TUTORIAL ON SYSTEMD SERVICE MANAGEMENT. BRAND NEW ONLINE CONTENT ON THE CRC PRESS WEBSITE INCLUDES AN INSTRUCTOR'S WORKBOOK, TEST BANK, AND IN-CHAPTER EXERCISE SOLUTIONS, AS WELL AS FULL DOWNLOADABLE CHAPTERS ON PYTHON VERSION 3.5 PROGRAMMING, ZFS, TC SHELL PROGRAMMING, ADVANCED SYSTEM PROGRAMMING, AND MORE. AN AUTHOR-HOSTED GITHUB WEBSITE ALSO FEATURES UPDATES, FURTHER REFERENCES, AND ERRATA. FEATURES NEW OR UPDATED COVERAGE OF FILE SYSTEM, SORTING, REGULAR EXPRESSIONS, DIRECTORY AND FILE SEARCHING, FILE COMPRESSION AND ENCRYPTION, SHELL SCRIPTING, SYSTEM PROGRAMMING, CLIENT-SERVER-BASED NETWORK PROGRAMMING, THREAD PROGRAMMING WITH PTHREADS, AND SYSTEM ADMINISTRATION EXTENSIVE IN-TEXT PEDAGOGY, INCLUDING CHAPTER OBJECTIVES, STUDENT PROJECTS, AND BASIC AND ADVANCED STUDENT EXERCISES FOR EVERY CHAPTER EXPANSIVE ELECTRONIC DOWNLOADS OFFER ADVANCED CONTENT ON PYTHON, ZFS, TC SHELL SCRIPTING, ADVANCED SYSTEM PROGRAMMING, INTERNETWORKING WITH LINUX TCP/IP, AND MANY MORE TOPICS, ALL FEATURED ON THE CRC PRESS WEBSITE DOWNLOADABLE TEST BANK, WORKBOOK, AND SOLUTIONS AVAILABLE FOR INSTRUCTORS ON THE

CRC PRESS WEBSITE AUTHOR-MAINTAINED GITHUB REPOSITORY PROVIDES OTHER RESOURCES, SUCH AS LIVE LINKS TO FURTHER REFERENCES, UPDATES, AND ERRATA

RED HAT LINUX 7.2 BIBLE -

CHRISTOPHER NEGUS 2001-11-29

GET STEP-BY-STEP INSTRUCTIONS FOR MAKING LINUX INSTALLATION SIMPLE AND PAINLESS; FAMILIARIZE YOURSELF WITH THE LINUX SHELL, FILE SYSTEM, AND TEXT EDITOR; USE THE XWINDOW SYSTEM TO CUSTOMIZE YOUR DESKTOP MENUS, ICONS, WINDOW MANAGER, AND XTERM; CREATE AND PUBLISH FORMATTED DOCUMENTS WITH LINUX APPLICATIONS; GET STEP-BY-STEP INSTRUCTIONS FOR MAKING LINUX INSTALLATION SIMPLE AND PAINLESS; GAIN KEY SYSTEM ADMINISTRATION SKILLS INCLUDING SETTING UP USERS, AUTOMATING SYSTEM TASKS, BACKING UP AND RESTORING FILES, AND UNDERSTANDING THE LATEST SECURITY ISSUES AND THREATS. PLUS, THIS EDITION INCLUDES THOROUGH COVERAGE OF UPDATED INSTALLATION PROCEDURES, NEW KDE DESKTOP TOOLS, HOW TO USE THE MOZILLA WEB BROWSER AND GAIM INSTANT MESSAGING, HOW TO ADMINISTER AUTOMOUNTING FILE SYSTEMS, AND HOW TO BURN CDS AND CONFIGURE CD WRITERS. THIS BOOK IS ACCOMPANIED BY THE UNLIMITED EDITION(TM) WEB SITE. ONLY ORIGINAL BUYERS OF THE BOOK WILL HAVE ACCESS THROUGH SPECIAL CODES TO THE SITE, AND CAN THEN BE PRIVY NEW CHAPTERS MONTHLY, UPDATES ON THE STATE OF

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THE SOFTWARE, LINUX-RELATED ARTICLES.

BSD UNIX TOOLBOX - CHRISTOPHER NEGUS 2008-04-30

LEARN HOW TO USE BSD UNIX SYSTEMS FROM THE COMMAND LINE WITH **BSD UNIX TOOLBOX: 1000+ COMMANDS FOR FREEBSD, OPENBSD AND NETBSD**. LEARN TO USE BSD OPERATION SYSTEMS THE WAY THE EXPERTS DO, BY TRYING MORE THAN 1,000 COMMANDS TO FIND AND OBTAIN SOFTWARE, MONITOR SYSTEM HEALTH AND SECURITY, AND ACCESS NETWORK RESOURCES. APPLY YOUR NEWLY DEVELOPED SKILLS TO USE AND ADMINISTER SERVERS AND DESKTOPS RUNNING FREEBSD, OPENBSD, NETBSD, OR ANY OTHER BSD VARIETY. BECOME MORE PROFICIENT AT CREATING FILE SYSTEMS, TROUBLESHOOTING NETWORKS, AND LOCKING DOWN SECURITY.

UBUNTU LINUX BIBLE - DAVID CLINTON 2020-10-19

THE BEST REFERENCE FOR UBUNTU LINUX UBUNTU LINUX IS A POPULAR, POWERFUL, AND VERSATILE OPERATING SYSTEM. NOW YOU CAN GET THE MOST OUT OF EVERYTHING UBUNTU LINUX HAS TO OFFER WITH THE **UBUNTU LINUX BIBLE**. THIS COMPLETE AND COMPREHENSIVE GUIDE INTRODUCES YOU TO UBUNTU AND SHOWS YOU HOW TO USE IT TO ITS FULLEST, WHETHER YOU'RE A TYPICAL DESKTOP USER OR A SYSTEM ADMINISTRATOR. YOU'LL LEARN TO DO EVERYTHING FROM READING EMAIL TO CONFIGURING WIRELESS NETWORKS. YOU'LL REAP

HUGE REWARDS FROM THIS BOOK, REGARDLESS OF HOW MUCH PRIOR EXPERIENCE YOU HAVE WITH UBUNTU. GET STARTED WITH UBUNTU LINUX AND SEE WHAT'S IN THE NEWEST VERSION (20.04) LEARN HOW TO READ EMAILS, SURF THE WEB, AND CREATE AND PUBLISH DOCUMENTS TAKE ON SYSTEM ADMINISTRATION TASKS, LIKE CREATING AND MANAGING USERS AND ADDING NEW DISKS TO THE SYSTEM DISCOVER HOW TO USE UBUNTU LINUX IN AN ENTERPRISE OR PERSONAL ENVIRONMENT FIGURE OUT HOW TO SET UP UBUNTU LINUX SERVERS FOR THE WEB, EMAIL, SHARED PRINTING, AND MORE FIND OUT WHY UBUNTU LINUX IS THE MOST POPULAR LINUX OPERATING SYSTEM IN THE WORLD

LINUX TROUBLESHOOTING BIBLE - CHRISTOPHER NEGUS 2004-12-03

* AN INDISPENSABLE RESOURCE FOR FEDORA USERS WHO MUST NOW WORK WITHOUT CUSTOMER SUPPORT FROM RED HAT, INC., COVERING CRITICAL TROUBLESHOOTING TECHNIQUES FOR NETWORKS, INTERNAL SERVERS, AND EXTERNAL SERVERS * CHRIS NEGUS IS A WELL-KNOWN LINUX AUTHORITY AND ALSO THE AUTHOR OF THE TOP-SELLING **RED HAT LINUX BIBLE** (0-7645-4333-4); THOMAS WEEKS IS A TRAINER AND ADMINISTRATOR WHO MANAGES HUNDREDS OF RED HAT LINUX SYSTEMS * COVERS ALL OF THE MOST COMMON FEDORA PROBLEM AREAS: FIREWALLS, DNS SERVERS, PRINT SERVERS, SAMBA, NFS, WEB SERVERS, FTP SERVERS, E-MAIL SERVERS, MODEMS, ADDING HARDWARE, AND

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HARDWARE CERTIFICATION * FEATURES EASY-TO-USE FLOWCHARTS THAT GUIDE ADMINISTRATORS STEP BY STEP THROUGH COMMON FEDORA TROUBLESHOOTING SCENARIOS * A COMPANION WEB SITE OFFERS TROUBLESHOOTING UPDATES TO KEEP PACE WITH THE FREQUENT FEDORA CORE RELEASES AS WELL AS A FORUM FOR EXCHANGING TROUBLESHOOTING TIPS

LINUX BIBLE - CHRISTOPHER NEGUS
2015-04-27

THE INDUSTRY FAVORITE LINUX GUIDE, UPDATED FOR RED HAT ENTERPRISE LINUX 7 AND THE CLOUD LINUX BIBLE, 9TH EDITION IS THE ULTIMATE HANDS-ON LINUX USER GUIDE, WHETHER YOU'RE A TRUE BEGINNER OR A MORE ADVANCED USER NAVIGATING RECENT CHANGES. THIS UPDATED NINTH EDITION COVERS THE LATEST VERSIONS OF RED HAT ENTERPRISE LINUX 7 (RHEL 7), FEDORA 21, AND UBUNTU 14.04 LTS, AND INCLUDES NEW INFORMATION ON CLOUD COMPUTING AND DEVELOPMENT WITH GUIDANCE ON OPENSTACK AND CLOUDFORMS. WITH A FOCUS ON RHEL 7, THIS PRACTICAL GUIDE GETS YOU UP TO SPEED QUICKLY ON THE NEW ENHANCEMENTS FOR ENTERPRISE-QUALITY FILE SYSTEMS, THE NEW BOOT PROCESS AND SERVICES MANAGEMENT, FIREWALLD, AND THE GNOME 3 DESKTOP. WRITTEN BY A RED HAT EXPERT, THIS BOOK PROVIDES THE CLEAR EXPLANATIONS AND STEP-BY-STEP INSTRUCTIONS THAT DEMYSTIFY LINUX AND BRING THE NEW FEATURES SEAMLESSLY INTO YOUR

WORKFLOW. THIS USEFUL GUIDE ASSUMES A BASE OF LITTLE OR NO LINUX KNOWLEDGE, AND TAKES YOU STEP BY STEP THROUGH WHAT YOU NEED TO KNOW TO GET THE JOB DONE. GET LINUX UP AND RUNNING QUICKLY MASTER BASIC OPERATIONS AND TACKLE MORE ADVANCED TASKS GET UP TO DATE ON THE RECENT CHANGES TO LINUX SERVER SYSTEM MANAGEMENT BRING LINUX TO THE CLOUD USING OPENSTACK AND CLOUDFORMS LINUX BIBLE, 9TH EDITION IS THE ONE RESOURCE YOU NEED, AND PROVIDES THE HANDS-ON TRAINING THAT GETS YOU ON TRACK IN A FLASH.

UBUNTU LINUX BIBLE - DAVID CLINTON
2020-11-10

QUICKLY LEARN HOW TO USE UBUNTU, THE FASTEST GROWING LINUX DISTRIBUTION, IN A PERSONAL OR ENTERPRISE ENVIRONMENT WHETHER YOU'RE A NEWCOMER TO LINUX OR AN EXPERIENCED SYSTEM ADMINISTRATOR, THE UBUNTU LINUX BIBLE PROVIDES WHAT YOU NEED TO GET THE MOST OUT OF ONE THE WORLD'S TOP LINUX DISTRIBUTIONS. CLEAR, STEP-BY-STEP INSTRUCTIONS COVER EVERYTHING FROM INSTALLING UBUNTU AND CREATING YOUR DESKTOP, TO WRITING SHELL SCRIPTS AND SETTING UP FILE SHARING ON YOUR NETWORK. THIS UP-TO-DATE GUIDE COVERS THE LATEST UBUNTU RELEASE WITH LONG-TERM SUPPORT (VERSION 20.04) AS WELL AS THE PREVIOUS VERSION. THROUGHOUT THE BOOK, NUMEROUS EXAMPLES, FIGURES, AND REVIEW QUESTIONS WITH ANSWERS ENLIGH-

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THAT YOU WILL FULLY UNDERSTAND EACH KEY TOPIC. ORGANIZED INTO FOUR PARTS, THE BOOK OFFERS YOU THE FLEXIBILITY TO MASTER THE BASICS IN THE "GETTING STARTED WITH UBUNTU LINUX" SECTION, OR TO SKIP DIRECTLY TO MORE ADVANCED TASKS. "UBUNTU FOR DESKTOP USERS" SHOWS YOU HOW TO SETUP EMAIL, SURF THE WEB, PLAY GAMES, AND CREATE AND PUBLISH DOCUMENTS, SPREADSHEETS, AND PRESENTATIONS. "UBUNTU FOR SYSTEM ADMINISTRATORS" COVERS USER ADMINISTRATION, SYSTEM BACKUP, DEVICE MANAGEMENT, NETWORK CONFIGURATION, AND OTHER FUNDAMENTALS OF LINUX ADMINISTRATION. THE BOOK'S FINAL SECTION, "CONFIGURING SERVERS ON UBUNTU," TEACHES YOU TO USE UBUNTU TO SUPPORT NETWORK SERVERS FOR THE WEB, E-MAIL, PRINT SERVICES, NETWORKED FILE SHARING, DHCP (NETWORK ADDRESS MANAGEMENT), AND DNS (NETWORK NAME/ADDRESS RESOLUTION). THIS COMPREHENSIVE, EASY-TO-USE GUIDE WILL HELP YOU: INSTALL UBUNTU AND CREATE THE PERFECT LINUX DESKTOP USE THE WIDE VARIETY OF SOFTWARE INCLUDED WITH UBUNTU LINUX STAY UP TO DATE ON RECENT CHANGES AND NEW VERSIONS OF UBUNTU CREATE AND EDIT GRAPHICS, AND WORK WITH CONSUMER IoT ELECTRONIC DEVICES ADD PRINTERS, DISKS, AND OTHER DEVICES TO YOUR SYSTEM CONFIGURE CORE NETWORK SERVICES AND ADMINISTER UBUNTU SYSTEMS UBUNTU LINUX BIBLE IS A MUST-HAVE FOR

ANYONE LOOKING FOR AN ACCESSIBLE, STEP-BY-STEP TUTORIAL ON THIS HUGELY POPULAR LINUX OPERATING SYSTEM.

PYTHON FOR DATA ANALYSIS - WES MCKINNEY 2017-09-25

GET COMPLETE INSTRUCTIONS FOR MANIPULATING, PROCESSING, CLEANING, AND CRUNCHING DATASETS IN PYTHON. UPDATED FOR PYTHON 3.6, THE SECOND EDITION OF THIS HANDS-ON GUIDE IS PACKED WITH PRACTICAL CASE STUDIES THAT SHOW YOU HOW TO SOLVE A BROAD SET OF DATA ANALYSIS PROBLEMS EFFECTIVELY. YOU'LL LEARN THE LATEST VERSIONS OF PANDAS, NUMPY, IPYTHON, AND JUPYTER IN THE PROCESS. WRITTEN BY WES MCKINNEY, THE CREATOR OF THE PYTHON PANDAS PROJECT, THIS BOOK IS A PRACTICAL, MODERN INTRODUCTION TO DATA SCIENCE TOOLS IN PYTHON. IT'S IDEAL FOR ANALYSTS NEW TO PYTHON AND FOR PYTHON PROGRAMMERS NEW TO DATA SCIENCE AND SCIENTIFIC COMPUTING. DATA FILES AND RELATED MATERIAL ARE AVAILABLE ON GITHUB. USE THE IPYTHON SHELL AND JUPYTER NOTEBOOK FOR EXPLORATORY COMPUTING LEARN BASIC AND ADVANCED FEATURES IN NUMPY (NUMERICAL PYTHON) GET STARTED WITH DATA ANALYSIS TOOLS IN THE PANDAS LIBRARY USE FLEXIBLE TOOLS TO LOAD, CLEAN, TRANSFORM, MERGE, AND RESHAPE DATA CREATE INFORMATIVE VISUALIZATIONS WITH MATPLOTLIB APPLY THE PANDAS GROUPBY FACILITY TO SLICE, DICE AND

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SUMMARIZE DATASETS ANALYZE AND MANIPULATE REGULAR AND IRREGULAR TIME SERIES DATA LEARN HOW TO SOLVE REAL-WORLD DATA ANALYSIS PROBLEMS WITH THOROUGH, DETAILED EXAMPLES

LINUX ESSENTIALS - CHRISTINE BRESNAHAN 2015-09-01

LEARN LINUX, AND TAKE YOUR CAREER TO THE NEXT LEVEL! LINUX ESSENTIALS, 2ND EDITION PROVIDES A SOLID FOUNDATION OF KNOWLEDGE FOR ANYONE CONSIDERING A CAREER IN INFORMATION TECHNOLOGY, FOR ANYONE NEW TO THE LINUX OPERATING SYSTEM, AND FOR ANYONE WHO IS PREPARING TO SIT FOR THE LINUX ESSENTIALS EXAM. THROUGH THIS ENGAGING RESOURCE, YOU CAN ACCESS KEY INFORMATION IN A LEARNING-BY-DOING STYLE. HANDS-ON TUTORIALS AND END-OF-CHAPTER EXERCISES AND REVIEW QUESTIONS LEAD YOU IN BOTH LEARNING AND APPLYING NEW INFORMATION—INFORMATION THAT WILL HELP YOU ACHIEVE YOUR GOALS! WITH THE EXPERIENCE PROVIDED IN THIS COMPELLING REFERENCE, YOU CAN SIT DOWN FOR THE LINUX ESSENTIALS EXAM WITH CONFIDENCE. AN OPEN SOURCE OPERATING SYSTEM, LINUX IS A UNIX-BASED PLATFORM THAT IS FREELY UPDATED BY DEVELOPERS. THE NATURE OF ITS DEVELOPMENT MEANS THAT LINUX IS A LOW-COST AND SECURE ALTERNATIVE TO OTHER OPERATING SYSTEMS, AND IS USED IN MANY DIFFERENT IT ENVIRONMENTS. PASSING THE LINUX ESSENTIALS EXAM PREPARES YOU TO APPLY YOUR

KNOWLEDGE REGARDING THIS OPERATING SYSTEM WITHIN THE WORKFORCE.

ACCESS LESSONS THAT ARE ORGANIZED BY TASK, ALLOWING YOU TO QUICKLY IDENTIFY THE TOPICS YOU ARE LOOKING FOR AND NAVIGATE THE COMPREHENSIVE INFORMATION PRESENTED BY THE BOOK DISCOVER THE BASICS OF THE LINUX OPERATING SYSTEM, INCLUDING DISTRIBUTIONS, TYPES OF OPEN SOURCE APPLICATIONS, FREWARE, LICENSING, OPERATIONS, NAVIGATION, AND MORE EXPLORE COMMAND FUNCTIONS, INCLUDING NAVIGATING THE COMMAND LINE, TURNING COMMANDS INTO SCRIPTS, AND MORE IDENTIFY AND CREATE USER TYPES, USERS, AND GROUPS LINUX ESSENTIALS, 2ND EDITION IS A CRITICAL RESOURCE FOR ANYONE STARTING A CAREER IN IT OR ANYONE NEW TO THE LINUX OPERATING SYSTEM.

LINUX COMMAND LINE AND SHELL SCRIPTING BIBLE - RICHARD BLUM 2015-01-20

TALK DIRECTLY TO YOUR SYSTEM FOR A FASTER WORKFLOW WITH AUTOMATION CAPABILITY LINUX COMMAND LINE AND SHELL SCRIPTING BIBLE IS YOUR ESSENTIAL LINUX GUIDE. WITH DETAILED INSTRUCTION AND ABUNDANT EXAMPLES, THIS BOOK TEACHES YOU HOW TO BYPASS THE GRAPHICAL INTERFACE AND COMMUNICATE DIRECTLY WITH YOUR COMPUTER, SAVING TIME AND EXPANDING CAPABILITY. THIS THIRD EDITION INCORPORATES THIRTY PAGES OF NEW FUNCTIONAL EXAMPLES THAT ARE FULLY UPDATED TO ALIGN WITH

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THE LATEST LINUX FEATURES. BEGINNING WITH COMMAND LINE FUNDAMENTALS, THE BOOK MOVES INTO SHELL SCRIPTING AND SHOWS YOU THE PRACTICAL APPLICATION OF COMMANDS IN AUTOMATING FREQUENTLY PERFORMED FUNCTIONS. THIS GUIDE INCLUDES USEFUL TUTORIALS, AND A DESK REFERENCE VALUE OF NUMEROUS EXAMPLES. THE LINUX COMMAND LINE ALLOWS YOU TO TYPE SPECIFIC SHELL COMMANDS DIRECTLY INTO THE SYSTEM TO MANIPULATE FILES AND QUERY SYSTEM RESOURCES. COMMAND LINE STATEMENTS CAN BE COMBINED INTO SHORT PROGRAMS CALLED SHELL SCRIPTS, A PRACTICE INCREASING IN POPULARITY DUE TO ITS USEFULNESS IN AUTOMATION. THIS BOOK IS A COMPLETE GUIDE PROVIDING DETAILED INSTRUCTION AND EXPERT ADVICE WORKING WITHIN THIS ASPECT OF LINUX. WRITE SIMPLE SCRIPT UTILITIES TO AUTOMATE TASKS UNDERSTAND THE SHELL, AND CREATE SHELL SCRIPTS PRODUCE DATABASE, E-MAIL, AND WEB SCRIPTS STUDY SCRIPTING EXAMPLES RANGING FROM BASIC TO ADVANCED WHETHER USED AS A TUTORIAL OR AS A QUICK REFERENCE, THIS BOOK CONTAINS INFORMATION THAT EVERY LINUX USER SHOULD KNOW. WHY NOT LEARN TO USE THE SYSTEM TO ITS UTMOST CAPABILITY? LINUX IS A ROBUST SYSTEM WITH TREMENDOUS POTENTIAL, AND LINUX COMMAND LINE AND SHELL SCRIPTING BIBLE OPENS THE DOOR TO NEW POSSIBILITIES.

UNIX AND LINUX SYSTEM ADMINISTRATION HANDBOOK - EVI

NEMETH 2017-09-14

“AS AN AUTHOR, EDITOR, AND PUBLISHER, I NEVER PAID MUCH ATTENTION TO THE COMPETITION—EXCEPT IN A FEW CASES. THIS IS ONE OF THOSE CASES. THE UNIX SYSTEM ADMINISTRATION HANDBOOK IS ONE OF THE FEW BOOKS WE EVER MEASURED OURSELVES AGAINST.” —TIM O’REILLY, FOUNDER OF O’REILLY MEDIA “THIS EDITION IS FOR THOSE WHOSE SYSTEMS LIVE IN THE CLOUD OR IN VIRTUALIZED DATA CENTERS; THOSE WHOSE ADMINISTRATIVE WORK LARGELY TAKES THE FORM OF AUTOMATION AND CONFIGURATION SOURCE CODE; THOSE WHO COLLABORATE CLOSELY WITH DEVELOPERS, NETWORK ENGINEERS, COMPLIANCE OFFICERS, AND ALL THE OTHER WORKER BEES WHO INHABIT THE MODERN HIVE.” —PAUL VIXIE, INTERNET HALL OF FAME-RECOGNIZED INNOVATOR AND FOUNDER OF ISC AND FARSIGHT SECURITY “THIS BOOK IS FUN AND FUNCTIONAL AS A DESKTOP REFERENCE. IF YOU USE UNIX AND LINUX SYSTEMS, YOU NEED THIS BOOK IN YOUR SHORT-REACH LIBRARY. IT COVERS A BIT OF THE SYSTEMS’ HISTORY BUT DOESN’T BLOVIATE. IT’S JUST STRAIGHT-FORWARD INFORMATION DELIVERED IN A COLORFUL AND MEMORABLE FASHION.” —JASON A. NUNNELLEY UNIX® AND LINUX® SYSTEM ADMINISTRATION HANDBOOK, FIFTH EDITION, IS TODAY’S DEFINITIVE GUIDE TO INSTALLING, CONFIGURING, AND MAINTAINING ANY UNIX OR LINUX SYSTEM, INCLUDING SYSTEMS THAT SUPPLY CORE INTERNET

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AND CLOUD INFRASTRUCTURE. UPDATED FOR NEW DISTRIBUTIONS AND CLOUD ENVIRONMENTS, THIS COMPREHENSIVE GUIDE COVERS BEST PRACTICES FOR EVERY FACET OF SYSTEM ADMINISTRATION, INCLUDING STORAGE MANAGEMENT, NETWORK DESIGN AND ADMINISTRATION, SECURITY, WEB HOSTING, AUTOMATION, CONFIGURATION MANAGEMENT, PERFORMANCE ANALYSIS, VIRTUALIZATION, DNS, SECURITY, AND THE MANAGEMENT OF IT SERVICE ORGANIZATIONS. THE AUTHORS—WORLD-CLASS, HANDS-ON TECHNOLOGISTS—OFFER INDISPENSABLE NEW COVERAGE OF CLOUD PLATFORMS, THE DEVOPS PHILOSOPHY, CONTINUOUS DEPLOYMENT, CONTAINERIZATION, MONITORING, AND MANY OTHER ESSENTIAL TOPICS. WHATEVER YOUR ROLE IN RUNNING SYSTEMS AND NETWORKS BUILT ON UNIX OR LINUX, THIS CONVERSATIONAL, WELL-WRITTEN ĘGUIDE WILL IMPROVE YOUR EFFICIENCY AND HELP SOLVE YOUR KNOTTIEST PROBLEMS.

UBUNTU LINUX TOOLBOX: 1000+ COMMANDS FOR POWER USERS - CHRISTOPHER NEGUS 2013-08-19
THIS UPDATED BESTSELLER FROM LINUX GURU CHRIS NEGUS IS PACKED WITH AN ARRAY OF NEW AND REVISED MATERIAL AS A LONGSTANDING BESTSELLER, UBUNTU LINUX TOOLBOX HAS TAUGHT YOU HOW TO GET THE MOST OUT OF UBUNTU, THE WORLD'S MOST POPULAR LINUX DISTRIBUTION. WITH THIS ANTICIPATED NEW EDITION,

CHRISTOPHER NEGUS RETURNS WITH A HOST OF NEW AND EXPANDED COVERAGE ON TOOLS FOR MANAGING FILE SYSTEMS, WAYS TO CONNECT TO NETWORKS, TECHNIQUES FOR SECURING UBUNTU SYSTEMS, AND A LOOK AT THE LATEST LONG TERM SUPPORT (LTS) RELEASE OF UBUNTU, ALL AIMED AT GETTING YOU UP AND RUNNING WITH UBUNTU LINUX QUICKLY. COVERS INSTALLATION, CONFIGURATION, SHELL PRIMER, THE DESKTOP, ADMINISTRATIONS, SERVERS, AND SECURITY DELVES INTO COVERAGE OF POPULAR APPLICATIONS FOR THE WEB, PRODUCTIVITY SUITES, AND E-MAIL HIGHLIGHTS SETTING UP A SERVER (APACHE, SAMBA, CUPS) BOASTS A HANDY TRIM SIZE SO THAT YOU CAN TAKE IT WITH YOU ON THE GO UBUNTU LINUX TOOLBOX, SECOND EDITION PREPARES YOU WITH A HOST OF UPDATED TOOLS FOR TODAY'S ENVIRONMENT, AS WELL AS EXPANDED COVERAGE ON EVERYTHING YOU KNOW TO CONFIDENTLY START USING UBUNTU TODAY.

A PRACTICAL GUIDE TO UBUNTU LINUX - MARK G. SOBELL 2011
THE MOST COMPLETE, EASY-TO-FOLLOW GUIDE TO UBUNTU LINUX THE #1 UBUNTU SERVER RESOURCE, FULLY UPDATED FOR UBUNTU 10.4 (LUCID LYNX)-THE LONG TERM SUPPORT (LTS) RELEASE MANY COMPANIES WILL RELY ON FOR YEARS! UPDATED JUMPSTARTS HELP YOU SET UP SAMBA, APACHE, MAIL, FTP, NIS, OPENSSH, DNS, AND OTHER COMPLEX SERVERS IN MINUTES HUNDREDS OF UR-TO-DATE

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EXAMPLES, PLUS COMPREHENSIVE INDEXES THAT DELIVER INSTANT ACCESS TO ANSWERS YOU CAN TRUST MARK SOBELL'S A PRACTICAL GUIDE TO UBUNTU LINUX®, THIRD EDITION, IS THE MOST THOROUGH AND UP-TO-DATE REFERENCE TO INSTALLING, CONFIGURING, AND WORKING WITH UBUNTU, AND ALSO OFFERS COMPREHENSIVE COVERAGE OF SERVERS—CRITICAL FOR ANYBODY INTERESTED IN UNLEASHING THE FULL POWER OF UBUNTU. THIS EDITION HAS BEEN FULLY UPDATED FOR UBUNTU 10.04 (LUCID LYNX), A MILESTONE LONG TERM SUPPORT (LTS) RELEASE, WHICH CANONICAL WILL SUPPORT ON DESKTOPS UNTIL 2013 AND ON SERVERS UNTIL 2015. SOBELL WALKS YOU THROUGH EVERY ESSENTIAL FEATURE AND TECHNIQUE, FROM INSTALLING UBUNTU TO WORKING WITH GNOME, SAMBA, EXIM4, APACHE, DNS, NIS, LDAP, G UFW, FIRESTARTER, IPTABLES, EVEN PERL SCRIPTING. HIS EXCEPTIONALLY CLEAR EXPLANATIONS DEMYSTIFY EVERYTHING FROM NETWORKING TO SECURITY. YOU'LL FIND FULL CHAPTERS ON RUNNING UBUNTU FROM THE COMMAND LINE AND DESKTOP (GUI), ADMINISTRATING SYSTEMS, SETTING UP NETWORKS AND INTERNET SERVERS, AND MUCH MORE. FULLY UPDATED JUMPSTART SECTIONS HELP YOU GET COMPLEX SERVERS RUNNING—OFTEN IN AS LITTLE AS FIVE MINUTES. SOBELL DRAWS ON HIS IMMENSE LINUX KNOWLEDGE TO EXPLAIN BOTH THE "HOWS" AND THE "WHYS" OF UBUNTU.

HE'S TAUGHT HUNDREDS OF THOUSANDS OF READERS AND NEVER FORGETS WHAT IT'S LIKE TO BE NEW TO LINUX. WHETHER YOU'RE A USER, ADMINISTRATOR, OR PROGRAMMER, YOU'LL FIND EVERYTHING YOU NEED HERE—NOW, AND FOR MANY YEARS TO COME. THE WORLD'S MOST PRACTICAL UBUNTU LINUX BOOK IS NOW EVEN MORE USEFUL! THIS BOOK DELIVERS HUNDREDS OF EASY-TO-USE UBUNTU EXAMPLES IMPORTANT NETWORKING COVERAGE, INCLUDING DNS, NFS, AND CACTI COVERAGE OF CRUCIAL UBUNTU TOPICS SUCH AS SUDO AND THE UPSTART INIT DAEMON MORE DETAILED, USABLE COVERAGE OF INTERNET SERVER CONFIGURATION, INCLUDING APACHE (WEB) AND EXIM4 (EMAIL) SERVERS STATE-OF-THE-ART SECURITY TECHNIQUES, INCLUDING UP-TO-DATE FIREWALL SETUP TECHNIQUES USING G UFW AND IPTABLES, AND A FULL CHAPTER ON OPENSSH A COMPLETE INTRODUCTION TO PERL SCRIPTING FOR AUTOMATED ADMINISTRATION DEEPER COVERAGE OF ESSENTIAL ADMIN TASKS—FROM MANAGING USERS TO CUPS PRINTING, CONFIGURING LANs TO BUILDING A KERNEL COMPLETE INSTRUCTIONS ON KEEPING UBUNTU SYSTEMS UP-TO-DATE USING APTITUDE, SYNAPTIC, AND THE SOFTWARE SOURCES WINDOW AND MUCH MORE...INCLUDING A 500+ TERM GLOSSARY INCLUDES DVD! GET THE FULL VERSION OF LUCID LYNX, THE LATEST UBUNTU LTS RELEASE!

LINUX? PROGRAMMING BIBLE - JOHN GOERZEN 2000-03-22

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THE LINUX PROGRAMMING BIBLE IS THE DEFINITIVE REFERENCE FOR BEGINNING AND VETERAN LINUX PROGRAMMERS. WRITTEN BY JOHN GOERZEN, A DEVELOPER FOR THE DEBIAN GNU/LINUX DISTRIBUTION, THIS COMPREHENSIVE GUIDE LEADS YOU STEP BY STEP FROM SIMPLE SHELL PROGRAMS TO SOPHISTICATED CGI APPLICATIONS. YOU'LL FIND COMPLETE COVERAGE OF LINUX PROGRAMMING, INCLUDING: TECHNIQUES FOR C/C++, PERL, CGI, AND SHELL PROGRAMMING BASIC TOOLS, SUCH AS BASH, REGULAR EXPRESSION, SED, GREP, EMACS, AND MORE COMMUNICATION USING SEMAPHORES, PIPELINES, FIFOs, AND TCP/IP PRACTICAL TIPS ON CVS COLLABORATION SECURITY, AND PERFORMANCE OPTIMIZATION LINUX C TOOLS, INCLUDING COMPILERS, LIBRARIES, AND DEBUGGERS FILLED WITH SAVVY PROGRAMMING ADVICE AND CLEAR CODE EXAMPLES, THE LINUX PROGRAMMING BIBLE IS ALL YOU NEED TO TAKE YOUR LINUX PROGRAMMING SKILLS TO THE NEXT LEVEL.

MASTERING LINUX NETWORK

ADMINISTRATION - JAY LACROIX

2015-11-03

MASTER THE SKILLS AND TECHNIQUES THAT ARE REQUIRED TO DESIGN, DEPLOY, AND ADMINISTER REAL LINUX-BASED NETWORKS ABOUT THIS BOOK MASTER THE ART OF USING LINUX AND ADMINISTERING NETWORK SERVICES FOR ENTERPRISE ENVIRONMENTS PERFORM HANDS-ON ACTIVITIES TO REINFORCE EXPERT-LEVEL KNOWLEDGE GET FULL COVERAGE OF BOTH THE CENTOS AND

DEBIAN SYSTEMS, INCLUDING HOW NETWORKING CONCEPTS DIFFER FOR EACH WHO THIS BOOK IS FOR MASTERING LINUX NETWORK ADMINISTRATION IS RECOMMENDED FOR THOSE WHO ALREADY UNDERSTAND THE BASICS OF USING LINUX AND NETWORKING, AND WOULD LIKE TO PUSH THOSE SKILLS TO A HIGHER LEVEL THROUGH REAL-WORLD LINUX NETWORKING SCENARIOS. WHETHER YOU INTEND TO RUN A HOME OFFICE CONSISTING OF LINUX NODES OR A ROLLOUT OF A LINUX NETWORK WITHIN YOUR ORGANIZATION, THIS BOOK IS A GREAT FIT FOR THOSE THAT DESIRE TO LEARN HOW TO MANAGE NETWORKED SYSTEMS WITH THE POWER OF LINUX. WHAT YOU WILL LEARN INSTALL AND CONFIGURE THE DEBIAN AND CENTOS SYSTEMS SET UP AND CONFIGURE FILE SERVERS ADMINISTER NETWORKED NODES REMOTELY DISCOVER HOW TO MONITOR SYSTEM PERFORMANCE FOR PEAK HEALTH CONFIGURE NETWORK SERVICES SUCH AS DNS AND DHCP HOST HTTP CONTENT VIA APACHE TROUBLESHOOT LINUX NETWORKING ISSUES IN DETAIL LINUX IS EVERYWHERE. WHETHER YOU RUN A HOME OFFICE, A SMALL BUSINESS, OR MANAGE ENTERPRISE SYSTEMS, LINUX CAN EMPOWER YOUR NETWORK TO PERFORM AT ITS VERY BEST. ARMED WITH THE ADVANCED TOOLS AND BEST PRACTICE GUIDANCE OF THIS PRACTICAL GUIDE, YOU'LL BE ABLE TO MOLD LINUX NETWORKS TO YOUR WILL, EMPOWERING YOUR SYSTEMS AND THEIR USERS TO TAKE ADVANTAGE OF ALL

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THAT LINUX-BASED NETWORKS HAVE TO OFFER. UNDERSTAND HOW LINUX NETWORKS FUNCTION AND GET TO GRIPS WITH ESSENTIAL TIPS AND TRICKS TO MANAGE THEM - WHETHER YOU'RE ALREADY MANAGING A NETWORKS, OR EVEN JUST STARTING OUT. WITH DEBIAN AND CENTOS AS ITS SOURCE, THIS BOOK WILL DIVULGE ALL THE DETAILS YOU NEED TO MANAGE A REAL LINUX-BASED NETWORK. WITH DETAILED ACTIVITIES AND INSTRUCTIONS BASED ON REAL-WORLD SCENARIOS, THIS BOOK WILL BE YOUR GUIDE TO THE EXCITING WORLD OF LINUX NETWORKING. STYLE AND APPROACH THIS PRACTICAL GUIDE WILL WALK YOU THROUGH ALL THE CORE CONCEPTS REQUIRED TO MANAGE REAL LINUX-BASED NETWORKS.

How Linux Works, 2nd Edition -
BRIAN WARD 2014-11-14

UNLIKE SOME OPERATING SYSTEMS, LINUX DOESN'T TRY TO HIDE THE IMPORTANT BITS FROM YOU—IT GIVES YOU FULL CONTROL OF YOUR COMPUTER. BUT TO TRULY MASTER LINUX, YOU NEED TO UNDERSTAND ITS INTERNALS, LIKE HOW THE SYSTEM BOOTS, HOW NETWORKING WORKS, AND WHAT THE KERNEL ACTUALLY DOES. IN THIS COMPLETELY REVISED SECOND EDITION OF THE PERENNIAL BEST SELLER *How Linux Works*, AUTHOR BRIAN WARD MAKES THE CONCEPTS BEHIND LINUX INTERNALS ACCESSIBLE TO ANYONE CURIOUS ABOUT THE INNER WORKINGS OF THE OPERATING SYSTEM. INSIDE, YOU'LL FIND THE KIND OF KNOWLEDGE THAT NORMALLY COMES

FROM YEARS OF EXPERIENCE DOING THINGS THE HARD WAY. YOU'LL LEARN:

- HOW LINUX BOOTS, FROM BOOT LOADERS TO INIT IMPLEMENTATIONS (SYSTEMD, UPSTART, AND SYSTEM V)
- HOW THE KERNEL MANAGES DEVICES, DEVICE DRIVERS, AND PROCESSES
- HOW NETWORKING, INTERFACES, FIREWALLS, AND SERVERS WORK
- HOW DEVELOPMENT TOOLS WORK AND RELATE TO SHARED LIBRARIES
- HOW TO WRITE EFFECTIVE SHELL SCRIPTS

YOU'LL ALSO EXPLORE THE KERNEL AND EXAMINE KEY SYSTEM TASKS INSIDE USER SPACE, INCLUDING SYSTEM CALLS, INPUT AND OUTPUT, AND FILESYSTEMS. WITH ITS COMBINATION OF BACKGROUND, THEORY, REAL-WORLD EXAMPLES, AND PATIENT EXPLANATIONS, *How Linux Works* WILL TEACH YOU WHAT YOU NEED TO KNOW TO SOLVE PESKY PROBLEMS AND TAKE CONTROL OF YOUR OPERATING SYSTEM.

AUTOMATE THE BORING STUFF WITH PYTHON, 2ND EDITION -
AL SWEIGART
2019-11-12

THE SECOND EDITION OF THIS BEST-SELLING PYTHON BOOK (OVER 500,000 COPIES SOLD!) USES PYTHON 3 TO TEACH EVEN THE TECHNICALLY UNINCLINED HOW TO WRITE PROGRAMS THAT DO IN MINUTES WHAT WOULD TAKE HOURS TO DO BY HAND. THERE IS NO PRIOR PROGRAMMING EXPERIENCE REQUIRED AND THE BOOK IS LOVED BY LIBERAL ARTS MAJORS AND GEEKS ALIKE. IF YOU'VE EVER SPENT HOURS RENAMING FILES OR UPDATING HUNDREDS OF SPREADSHEET CELLS, YOU

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KNOW HOW TEDIOUS TASKS LIKE THESE CAN BE. BUT WHAT IF YOU COULD HAVE YOUR COMPUTER DO THEM FOR YOU? IN THIS FULLY REVISED SECOND EDITION OF THE BEST-SELLING CLASSIC *AUTOMATE THE BORING STUFF WITH PYTHON*, YOU'LL LEARN HOW TO USE PYTHON TO WRITE PROGRAMS THAT DO IN MINUTES WHAT WOULD TAKE YOU HOURS TO DO BY HAND--NO PRIOR PROGRAMMING EXPERIENCE REQUIRED. YOU'LL LEARN THE BASICS OF PYTHON AND EXPLORE PYTHON'S RICH LIBRARY OF MODULES FOR PERFORMING SPECIFIC TASKS, LIKE SCRAPING DATA OFF WEBSITES, READING PDF AND WORD DOCUMENTS, AND AUTOMATING CLICKING AND TYPING TASKS. THE SECOND EDITION OF THIS INTERNATIONAL FAN FAVORITE INCLUDES A BRAND-NEW CHAPTER ON INPUT VALIDATION, AS WELL AS TUTORIALS ON AUTOMATING GMAIL AND GOOGLE SHEETS, PLUS TIPS ON AUTOMATICALLY UPDATING CSV FILES. YOU'LL LEARN HOW TO CREATE PROGRAMS THAT EFFORTLESSLY PERFORM USEFUL FEATS OF AUTOMATION TO:

- SEARCH FOR TEXT IN A FILE OR ACROSS MULTIPLE FILES
- CREATE, UPDATE, MOVE, AND RENAME FILES AND FOLDERS
- SEARCH THE WEB AND DOWNLOAD ONLINE CONTENT
- UPDATE AND FORMAT DATA IN EXCEL SPREADSHEETS OF ANY SIZE
- SPLIT, MERGE, WATERMARK, AND ENCRYPT PDFs
- SEND EMAIL RESPONSES AND TEXT NOTIFICATIONS
- FILL OUT ONLINE FORMS

STEP-BY-STEP INSTRUCTIONS WALK YOU THROUGH EACH PROGRAM,

AND UPDATED PRACTICE PROJECTS AT THE END OF EACH CHAPTER CHALLENGE YOU TO IMPROVE THOSE PROGRAMS AND USE YOUR NEWFOUND SKILLS TO AUTOMATE SIMILAR TASKS. DON'T SPEND YOUR TIME DOING WORK A WELL-TRAINED MONKEY COULD DO. EVEN IF YOU'VE NEVER WRITTEN A LINE OF CODE, YOU CAN MAKE YOUR COMPUTER DO THE GRUNT WORK. LEARN HOW IN *AUTOMATE THE BORING STUFF WITH PYTHON, 2ND EDITION*.

CENTOS BIBLE - CHRISTOPHER NEGUS
2009-06-03

AUTHORITATIVE GUIDE TO A RAPIDLY GROWING LINUX DISTRIBUTION THIS IS ONE OF THE FIRST, IF NOT THE FIRST COMPREHENSIVE GUIDE TO THE CENTOS LINUX OPERATING SYSTEM. LINUX GURU TIM BORNOCZYK, THOROUGHLY COVERS THE TOPIC WHETHER YOU'RE A LINUX NOVICE OR A REGULAR WHO NOW WANTS TO MASTER THIS INCREASINGLY POPULAR DISTRIBUTION. FIRST FIND OUT HOW TO INSTALL AND CONFIGURE CENTOS. FROM THERE, YOU'LL COVER A WEALTH OF LINUX AND CENTOS TOOLS, FUNCTIONS, AND TECHNIQUES, INCLUDING: HOW TO WORK IN THE GNOME AND KDE DESKTOP ENVIRONMENTS; HOW TO USE THE LINUX SHELL, FILE SYSTEM, AND TEXT EDITOR; HOW TO CONFIGURE CUPS PRINTERS, SAMBA FOR FILE AND PRINTER SHARING AND OTHER FEATURES USING GUI TOOLS; AND MORE. CENTOS (COMMUNITY ENTERPRISE OPERATING SYSTEM) IS A LINUX OPERATING SYSTEM MAINTAINED BY A SMALL TEAM OF CORE DEVELOPERS BASED ON RED

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HAT ENTERPRISE LINUX (RHEL) LEAD AUTHOR CHRISTOPHER NEGUS IS THE BESTSELLING LINUX AUTHOR OF SUCH BOOKS AS FEDORA 10 AND RED HAT ENTERPRISE LINUX BIBLE AND LINUX 2009 EDITION BIBLE; HE IS ALSO A MEMBER OF THE RED HAT ENTERPRISE LINUX TRAINING TEAM TECH EDITED BY KEY MEMBER OF THE CENTOS DEVELOPMENT TEAM, RALPH ANGENENDT, AND FOREWORD WRITTEN BY LEAD CENTOS DEVELOPER, KARANBIR SINGH. LEARN HOW TO SET UP USERS, AUTOMATE SYSTEM TASKS, BACK UP AND RESTORE FILES, AND PREPARE FOR THE LATEST SECURITY ISSUES AND THREATS; ALSO LEARN HOW TO USE AND CUSTOMIZE THE DESKTOP MENUS, ICONS, WINDOW MANAGER, AND XTERM; AND HOW TO CREATE AND PUBLISH FORMATTED DOCUMENTS EXPLORES AVAILABLE LINUX MULTIMEDIA APPLICATIONS FOR GRAPHICS, AUDIO, VIDEO AND CD BURNING THE DVD INCLUDES COMPLETE COPY OF THE MOST CURRENT CENTOS DISTRIBUTION – CENTOS 5.3 FOR GETTING THE MOST OUT OF CENTOS LINUX, THIS IS THE BOOK YOU NEED TO SUCCEED. NOTE: CD-ROM/DVD AND OTHER SUPPLEMENTARY MATERIALS ARE NOT INCLUDED AS PART OF eBook FILE.

LEARNING LINUX SHELL SCRIPTING - GANESH SANJIV NAIK 2018-05-21
BREAK THROUGH THE PRACTICE OF WRITING TEDIOUS CODE WITH SHELL SCRIPTS KEY FEATURES LEARN TO IMPECCABLY BUILD SHELL SCRIPTS AND DEVELOP ADVANCED APPLICATIONS CREATE SMART SOLUTIONS BY WRITING

AND DEBUGGING SCRIPTS A STEP-BY-STEP TUTORIAL TO AUTOMATE ROUTINE TASKS BY DEVELOPING SCRIPTS BOOK DESCRIPTION LINUX IS THE MOST POWERFUL AND UNIVERSALLY ADOPTED OS. SHELL IS A PROGRAM THAT GIVES THE USER DIRECT INTERACTION WITH THE OPERATING SYSTEM. SCRIPTS ARE COLLECTIONS OF COMMANDS THAT ARE STORED IN A FILE. THE SHELL READS THIS FILE AND ACTS ON COMMANDS AS IF THEY WERE TYPED ON THE KEYBOARD. LEARNING LINUX SHELL SCRIPTING COVERS BASH, GNU BOURNE AGAIN SHELL, PREPARING YOU TO WORK IN THE EXCITING WORLD OF LINUX SHELL SCRIPTING. CENTOS IS A POPULAR RPM-BASED STABLE AND SECURED LINUX DISTRIBUTION. THEREFORE, WE HAVE USED CENTOS DISTRIBUTION INSTEAD OF UBUNTU DISTRIBUTION. LINUX SHELL SCRIPTING IS INDEPENDENT OF LINUX DISTRIBUTIONS, BUT WE HAVE COVERED BOTH TYPES OF DISTROS. WE START WITH AN INTRODUCTION TO THE SHELL ENVIRONMENT AND BASIC COMMANDS USED. NEXT, WE EXPLORE PROCESS MANAGEMENT IN LINUX OS, REAL-WORLD ESSENTIALS SUCH AS DEBUGGING AND PERFORM SHELL ARITHMETIC FLUENTLY. YOU'LL THEN TAKE A STEP AHEAD AND LEARN NEW AND ADVANCED TOPICS IN SHELL SCRIPTING, SUCH AS DECISION MAKING, STARTING UP A SYSTEM, AND CUSTOMIZING A LINUX ENVIRONMENT. YOU WILL ALSO LEARN ABOUT GREP, STREAM EDITOR, AND AWK, WHICH ARE VERY POWERFUL TEXT FILTERS AND

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EDITORS. FINALLY, YOU'LL GET TO GRIPS WITH TAKING BACKUP, USING OTHER LANGUAGE SCRIPTS IN SHELL SCRIPTS AS WELL AS AUTOMATING DATABASE ADMINISTRATION TASKS FOR MYSQL AND ORACLE. BY THE END OF THIS BOOK, YOU WILL BE ABLE TO CONFIDENTLY USE YOUR OWN SHELL SCRIPTS IN THE REAL WORLD. WHAT YOU WILL LEARN FAMILIARIZE YOURSELF WITH THE VARIOUS TEXT FILTERING TOOLS AVAILABLE IN LINUX UNDERSTAND EXPRESSIONS AND VARIABLES AND HOW TO USE THEM PRACTICALLY AUTOMATE DECISION-MAKING AND SAVE A LOT OF TIME AND EFFORT OF REVISITING CODE GET TO GRIPS WITH ADVANCED FUNCTIONALITY SUCH AS USING TRAPS, DIALOGS TO DEVELOP SCREENS & DATABASE ADMINISTRATION SUCH AS MYSQL OR ORACLE START UP A SYSTEM AND CUSTOMIZE A LINUX SYSTEM TAKING BACKUP OF LOCAL OR REMOTE DATA OR IMPORTANT FILES. USE EXISTING OTHER LANGUAGE SCRIPTS SUCH AS PYTHON, PERL & RUBY IN SHELL SCRIPTS WHO THIS BOOK IS FOR LEARNING LINUX SHELL SCRIPTING IS IDEAL FOR THOSE WHO ARE PROFICIENT AT WORKING WITH LINUX AND WANT TO LEARN ABOUT SHELL SCRIPTING TO IMPROVE THEIR EFFICIENCY AND PRACTICAL SKILLS.

LINUX COMMAND LINE (COVER ALL ESSENTIAL LINUX COMMANDS) - RAY YAO 2018-06-09

THIS BOOK IS A BEGINNER'S GUIDE FOR FAST LEARNING LINUX COMMANDS WHICH ARE FREQUENTLY USED BY LINUX

ADMINISTRATORS OR BEGINNERS. THE BOOK COVERS ALL ESSENTIAL LINUX COMMANDS AS WELL AS THEIR OPERATIONS, EXAMPLES, AND EXPLANATIONS. IT ALSO INCLUDES LINUX HELPING COMMANDS, SYMBOLS, SHORTCUT KEYS, RUN LEVELS AND VI COMMANDS, 100 LINUX COMMANDS TESTS AND ANSWERS. IN THIS BOOK, YOU CAN EASILY LEARN: HOW TO RUN ALL ESSENTIAL LINUX COMMANDS. HOW TO COPY, MOVE, AND DELETE FILES AND DIRECTORIES. HOW TO CREATE, REMOVE, AND MANAGE USERS AND GROUPS. HOW TO ACCESS THE LINUX SERVER, AND USE SSH COMMANDS. HOW TO OPERATE THE RUN LEVELS AND CHANGE THE RUN LEVELS HOW TO NAVIGATE AT THE COMMAND LINE BY HELPING COMMANDS. HOW TO COMPARE TWO FILES, FIND OUT A FILE, MANIPULATE THE FILE CONTENTS HOW TO START A JOB, STOP A JOB AND SCHEDULE A JOB. HOW TO MANAGE PERMISSIONS AND OWNERSHIP OF FILES AND DIRECTORIES HOW TO CONNECT ACROSS A NETWORK, COMMUNICATE WITH THE NETWORK. HOW TO TRANSFER FILES OVER THE NETWORK, SEND NETWORK MESSAGES AND MUCH MORE SKILL..... THERE IS A LONG CHART CONTAINING ALL COMMON LINUX COMMANDS IN THIS BOOK, WHICH CAN GIVE YOU A GREAT HELP IN YOUR JOB OR STUDY. YOU CAN LEARN ALL ESSENTIAL LINUX COMMANDS QUICKLY. APPENDIX 100 LINUX COMMANDS TESTS & ANSWERS

ESSENTIAL LINUX ADMINISTRATION - CHUCK EASTTOM 2012

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SOLVING THE NEED FOR A LINUX GUIDE THAT IS BOTH COMPREHENSIVE AND USER-FRIENDLY, THIS TEXT ENABLES THE READER TO BETTER UNDERSTAND LINUX-BASED NETWORKING AND SERVER ADMINISTRATION. IT COVERS THE ENTIRE BREADTH OF LINUX ADMINISTRATION TOPICS THAT PROFESSIONALS IN THE IT INDUSTRY NEED TO KNOW.

FEDORA BIBLE 2011 EDITION - CHRISTOPHER NEGUS 2011-03-21
GET ALL THE ESSENTIALS OF THE MAJOR CHANGES IN FEDORA 14 VETERAN AUTHORS CHRISTOPHER NEGUS AND ERIC FOSTER-JOHNSON PROVIDE YOU WITH A THOROUGH LOOK AT THE SKILLS NEEDED TO MASTER THE LATEST VERSION OF FEDORA AND RED HAT LINUX. THEIR STEP-BY-STEP INSTRUCTIONS WALK YOU THROUGH A PAINLESS AND SIMPLE INSTALLATION OF LINUX; THEN YOU'LL EXPLORE THE MAJOR CHANGES TO THE RELEASE OF FEDORA 14 WHILE ALSO REVISITING THE PREVIOUS VERSION SO YOU CAN SEE WHAT FEATURES HAVE BEEN UPDATED AND REVISED. FOCUSES ON THE ESSENTIALS OF THE UPDATED AND NEW ELEMENTS OF FEDORA LINUX 14 ADDRESSES USING PACKAGEKIT, RUNNING WINDOWS APPS, SCANNING IMAGES, AND INSTALLING OVER THE INTERNET TOUCHES ON HOW TO WORK IN A LINUX OFFICE WITH MSFT OFFICE COMPATIBLE OFFICE APPS COVERS NEW MATERIAL ON ZARAF, XENNER, DEJA DUP, AND MORE FEATURES A DVD THAT INCLUDES THE LATEST DISTRIBUTION OF FEDORA LINUX AS WELL AS A BOOTABLE FEDORA LIVECD FEDORA 14

INCLUDES MANY IMPORTANT UPDATES AND ADDITIONS -- THIS BOOK GETS YOU UP TO DATE ON THE MOST ESSENTIAL CHANGES.

LINUX CLUSTERING - CHARLES BOOKMAN 2003

"LINUX CLUSTERING" IS THE PREMIER RESOURCE FOR SYSTEM ADMINISTRATORS WISHING TO IMPLEMENT CLUSTERING SOLUTIONS ON THE MANY TYPES OF LINUX SYSTEMS. IT GUIDES LINUX ADMINISTRATORS THROUGH DIFFICULT TASKS WHILE OFFERING HELPFUL TIPS AND TRICKS.

MASTERING MODERN LINUX - PAUL S. WANG 2018-06-14
PRAISE FOR THE FIRST EDITION: "THIS OUTSTANDING BOOK ... GIVES THE READER ROBUST CONCEPTS AND IMPLEMENTABLE KNOWLEDGE OF THIS ENVIRONMENT. GRAPHICAL USER INTERFACE (GUI)-BASED USERS AND DEVELOPERS DO NOT GET SHORT SHRIFT, DESPITE THE COMMAND-LINE INTERFACE'S (CLI) FULL-POWER TREATMENT. ... EVERY PROGRAMMER SHOULD READ THE INTRODUCTION'S UNIX/LINUX PHILOSOPHY SECTION. ... THIS AUTHORITATIVE AND EXCEPTIONALLY WELL-CONSTRUCTED BOOK HAS MY HIGHEST RECOMMENDATION. IT WILL REPAY CAREFUL AND RECURSIVE STUDY." -- COMPUTING REVIEWS, AUGUST 2011
MASTERING MODERN LINUX, SECOND EDITION RETAINS MUCH OF THE GOOD MATERIAL FROM THE PREVIOUS EDITION, WITH EXTENSIVE UPDATES AND NEW TOPICS ADDED. THE BOOK PROVIDES A COMPREHENSIVE AND UP-TO-DATE GUIDE

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TO LINUX CONCEPTS, USAGE, AND PROGRAMMING. THE TEXT HELPS THE READER MASTER LINUX WITH A WELL-SELECTED SET OF TOPICS, AND ENCOURAGES HANDS-ON PRACTICE. THE FIRST PART OF THE TEXTBOOK COVERS INTERACTIVE USE OF LINUX VIA THE GRAPHICAL USER INTERFACE (GUI) AND THE COMMAND-LINE INTERFACE (CLI), INCLUDING COMPREHENSIVE TREATMENT OF THE GNOME DESKTOP AND THE BASH SHELL. USING DIFFERENT APPS, COMMANDS AND FILTERS, BUILDING PIPELINES, AND MATCHING PATTERNS WITH REGULAR EXPRESSIONS ARE MAJOR FOCUSES. NEXT COMES BASH SCRIPTING, FILE SYSTEM STRUCTURE, ORGANIZATION, AND USAGE. THE FOLLOWING CHAPTERS PRESENT NETWORKING, THE INTERNET AND THE WEB, DATA ENCRYPTION, BASIC SYSTEM ADMIN, AS WELL AS WEB HOSTING. THE LINUX APACHE MYSQL/MARIADB PHP (LAMP) WEB HOSTING COMBINATION IS ALSO PRESENTED IN DEPTH. IN THE LAST PART OF THE BOOK, ATTENTION IS TURNED TO C-LEVEL PROGRAMMING. TOPICS COVERED INCLUDE THE C COMPILER, PREPROCESSOR, DEBUGGER, I/O, FILE MANIPULATION, PROCESS CONTROL, INTER-PROCESS COMMUNICATION, AND NETWORKING. THE BOOK INCLUDES MANY EXAMPLES AND COMPLETE PROGRAMS READY TO DOWNLOAD AND RUN. A SUMMARY AND EXERCISES OF VARYING DEGREES OF DIFFICULTY CAN BE FOUND AT THE END OF EACH CHAPTER. A COMPANION WEBSITE

([HTTP://MML.SOFPPOWER.COM](http://mml.sofpower.com)) PROVIDES APPENDICES, INFORMATION UPDATES, AN EXAMPLE CODE PACKAGE, AND OTHER RESOURCES FOR ~~LINUX STUDENTS~~, AS WELL AS STUDENTS.

- CHRISTOPHER NEGUS

2012-09-07

MORE THAN 50 PERCENT NEW AND REVISED CONTENT FOR TODAY'S LINUX ENVIRONMENT GETS YOU UP AND RUNNING IN NO TIME! LINUX CONTINUES TO BE AN EXCELLENT, LOW-COST ALTERNATIVE TO EXPENSIVE OPERATING SYSTEMS. WHETHER YOU'RE NEW TO LINUX OR NEED A RELIABLE UPDATE AND REFERENCE, THIS IS AN EXCELLENT RESOURCE. VETERAN BESTSELLING AUTHOR CHRISTOPHER NEGUS PROVIDES A COMPLETE TUTORIAL PACKED WITH MAJOR UPDATES, REVISIONS, AND HANDS-ON EXERCISES SO THAT YOU CAN CONFIDENTLY START USING LINUX TODAY. OFFERS A COMPLETE RESTRUCTURE, COMPLETE WITH EXERCISES, TO MAKE THE BOOK A BETTER LEARNING TOOL PLACES A STRONG FOCUS ON THE LINUX COMMAND LINE TOOLS AND CAN BE USED WITH ALL DISTRIBUTIONS AND VERSIONS OF LINUX FEATURES IN-DEPTH COVERAGE OF THE TOOLS THAT A POWER USER AND A LINUX ADMINISTRATOR NEED TO GET STARTED THIS PRACTICAL LEARNING TOOL IS IDEAL FOR ANYONE EAGER TO SET UP A NEW LINUX DESKTOP SYSTEM AT HOME OR CURIOUS TO LEARN HOW TO MANAGE LINUX SERVER SYSTEMS AT WORK.

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