

Mac Os X For Unix Geeks

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Core Mac OS X and Unix Programming Mark Dalrymple 2003 This is the first book to introduce programmers to Darwin and the Core Technologies. Without an understanding of how the plumbing works, developers cannot get the best performance and reliability out of their Mac OS X applications. This book provides that knowledge.

Take Control of the Mac Command Line with Terminal Joe Kissell 2012 Release your inner geek and learn to harness the power of the Unix underpinnings to Mac OS X! This 111-page ebook from Joe Kissell explains everything you need to know to become comfortable working on the command line in Terminal, and provides numerous "recipes" for performing useful tasks that can be tricky in a graphical interface.

macOS Big Sur For Dummies Bob LeVitus 2020-10-15 Your "get-started" guide to the world of macOS Big Sur Wherever you like to Mac—at home in front of your trusty iMac or over a coffee with your portable MacBook Air—macOS provides you with the seamless, efficient, and reliable user experience that makes these devices so famously a pleasure to use. macOS Big Sur For Dummies is here to heighten the experience for new users and upgraders alike by providing the very latest on the ways macOS Big Sur can enhance how you work and play. Written in a no-jargon style by Bob LeVitus—the Houston Chronicle's much-loved "Dr. Mac" since 1996—this guide starts with the basics, like getting set up, and explains more advanced uses, like making music and movies, exploring the expanding universe of apps and giving tips on how to save time and enhance productivity along the way. With this book, you'll learn to Set up and connect your Mac Get friendly with Siri Enhance your world with apps Work better and faster Use the comprehensive capabilities of macOS Big Sur to do anything and everything you would like to do—and do it even better. For beginners and experts alike, macOS Big Sur For Dummies is the best way to step into the magical world of getting things done with Mac.

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 "Evolution of a SysAdmin"

Mac OS X Panther Hacks Rael Dornfest 2004 Like the animal it's named for, Mac OS X Panther is beautiful, sleek, superbly efficient, dangerously alluring, and all muscle under the surface. Beneath its appealing interface, it's a hard-working machine. Those coming to Mac OS X from previous incarnations of the operating system recognize much of the friendly face of the Macintosh they're used to, but they're also plunged into a whole new world. Unix converts to Mac OS X find a familiar FreeBSD-like operating system at the core and many of the command-line applications that they're familiar with: it's like an open invitation to roll up their sleeves and hack. Mac OS X Panther Hacks brings together the perfect combination of tips, tricks, and tools to help serious Mac users--regardless of their background--get the most from their machines. This revised collection reflects the real-world know how of those well-steeped in Unix history and expertise, sharing their no-nonsense, sometimes quick-and-dirty solutions to administering and taking full advantage of everything a Unix desktop has to offer: Web, Mail, and FTP serving, security services, SSH, Perl and shell scripting, compiling, configuring, scheduling, networking, and hacking. Add to that the experience of die-hard Macintosh users, customizing and modifying their hardware and software to meet their needs. The end result is cool stuff no power user should be without. The hacks in the book range from the quick and easy to the more complex. Each can be read easily in a few minutes, saving countless hours of searching for the right answer. Mac OS X Panther Hacks provides direct, hands-on solutions in topics such as: User Interface Accessories (iPod, USB devices, mobile phones, PDAs, etc.) Wired and wireless networking (Ethernet, WiFi, Bluetooth, etc.) Email (servers and clients) Web (servers and clients) Messaging (iChat and associated apps) Printing and Faxing (sharing printers, fax server, etc.) Multimedia If you want more than your average Mac user--you want to explore and experiment, unearth shortcuts, create useful tools, and come up with fun things to try on your own--this book will set you on the right track. Written for users who need to go beyond what's covered in conventional manuals--Mac OS X Panther Hacks will bring your Mac to its full potential.

Mac OS X Tiger For Dummies Bob LeVitus 2005-05-25 Covers the new features of Mac OS X version 10.4 with information on such topics as Finder, file management, Sherlock, printing, applications, and file sharing.

Mac OS X Panther for Unix Geeks Brian Jepson 2004 Introduces the Unix environment in Mac OS X Panther and explains concepts such as the Terminal application, compiling code, creating and installing packages, and running Windows on top of Mac OS X.

Mac OS X Internals Amit Singh 2006-06-19 Mac OS X was released in March 2001, but many components, such as Mach and BSD, are considerably older. Understanding the design, implementation, and workings of Mac OS X requires examination of several technologies that differ in their age, origins, philosophies, and roles. Mac OS X Internals: A Systems Approach is the first book

that dissects the internals of the system, presenting a detailed picture that grows incrementally as you read. For example, you will learn the roles of the firmware, the bootloader, the Mach and BSD kernel components (including the process, virtual memory, IPC, and file system layers), the object-oriented I/O Kit driver framework, user libraries, and other core pieces of software. You will learn how these pieces connect and work internally, where they originated, and how they evolved. The book also covers several key areas of the Intel-based Macintosh computers. A solid understanding of system internals is immensely useful in design, development, and debugging for programmers of various skill levels. System programmers can use the book as a reference and to construct a better picture of how the core system works. Application programmers can gain a deeper understanding of how their applications interact with the system. System administrators and power users can use the book to harness the power of the rich environment offered by Mac OS X. Finally, members of the Windows, Linux, BSD, and other Unix communities will find the book valuable in comparing and contrasting Mac OS X with their respective systems. Mac OS X Internals focuses on the technical aspects of OS X and is so full of extremely useful information and programming examples that it will definitely become a mandatory tool for every Mac OS X programmer.

Python for Unix and Linux System Administration Noah Gift 2008-08-22 Python is an ideal language for solving problems, especially in Linux and Unix networks. With this pragmatic book, administrators can review various tasks that often occur in the management of these systems, and learn how Python can provide a more efficient and less painful way to handle them. Each chapter in Python for Unix and Linux System Administration presents a particular administrative issue, such as concurrency or data backup, and presents Python solutions through hands-on examples. Once you finish this book, you'll be able to develop your own set of command-line utilities with Python to tackle a wide range of problems. Discover how this language can help you: Read text files and extract information Run tasks concurrently using the threading and forking options Get information from one process to another using network facilities Create clickable GUIs to handle large and complex utilities Monitor large clusters of machines by interacting with SNMP programmatically Master the IPython Interactive Python shell to replace or augment Bash, Korn, or Z-Shell Integrate Cloud Computing into your infrastructure, and learn to write a Google App Engine Application Solve unique data backup challenges with customized scripts Interact with MySQL, SQLite, Oracle, Postgres, Django ORM, and SQLAlchemy With this book, you'll learn how to package and deploy your Python applications and libraries, and write code that runs equally well on multiple Unix platforms. You'll also learn about several Python-related technologies that will make your life much easier.

AppleScript Matt Neuburg 2006 Fully revised and updated--and with more and better examples than ever--this new edition of the top-selling AppleScript: The Definitive Guide shows anyone how to use AppleScript to make your Mac time more efficient and more enjoyable by automating repetitive tasks, customizing applications, and even controlling complex workflows. It's perfect for novices, developers, and everyone in between who wants to know how, where, and why to use AppleScript.

Unix Power Tools Shelley Powers 2003 With the growing popularity of Linux and the advent of Darwin, Unix has metamorphosed into something new and exciting. No longer perceived as a difficult operating system, more and more users are discovering the advantages of Unix for the first time. But whether you are a newcomer or a Unix power user, you'll find yourself thumbing through the goldmine of information in the new edition of Unix Power Tools to add to your store of knowledge. Want to try something new? Check this book first, and you're sure to find a tip or trick that will prevent you from learning things the hard way. The latest edition of this best-selling favorite is loaded with advice about almost every aspect of Unix, covering all the new technologies that users need to know. In addition to

vital information on Linux, Darwin, and BSD, Unix Power Tools 3rd Edition now offers more coverage of bash, zsh, and other new shells, along with discussions about modern utilities and applications. Several sections focus on security and Internet access. And there is a new chapter on access to Unix from Windows, addressing the heterogeneous nature of systems today. You'll also find expanded coverage of software installation and packaging, as well as basic information on Perl and Python. Unix Power Tools 3rd Edition is a browser's book...like a magazine that you don't read from start to finish, but leaf through repeatedly until you realize that you've read it all. Bursting with cross-references, interesting sidebars explore syntax or point out other directions for exploration, including relevant technical details that might not be immediately apparent. The book includes articles abstracted from other O'Reilly books, new information that highlights program tricks and gotchas, tips posted to the Net over the years, and other accumulated wisdom. Affectionately referred to by readers as "the" Unix book, UNIX Power Tools provides access to information every Unix user is going to need to know. It will help you think creatively about UNIX, and will help you get to the point where you can analyze your own problems. Your own solutions won't be far behind.

Mac OS X and iOS Internals Jonathan Levin 2012-11-05 An in-depth look into Mac OS X and iOS kernels Powering Macs, iPhones, iPads and more, OS X and iOS are becoming ubiquitous. When it comes to documentation, however, much of them are shrouded in mystery. Cocoa and Carbon, the application frameworks, are neatly described, but system programmers find the rest lacking. This indispensable guide illuminates the darkest corners of those systems, starting with an architectural overview, then drilling all the way to the core. Provides you with a top down view of OS X and iOS Walks you through the phases of system startup—both Mac (EFi) and mobile (iBoot) Explains how processes, threads, virtual memory, and filesystems are maintained Covers the security architecture Reviews the internal Apis used by the system—BSD and Mach Dissects the kernel, XNU, into its sub components: Mach, the BSD Layer, and I/o kit, and explains each in detail Explains the inner workings of device drivers From architecture to implementation, this book is essential reading if you want to get serious about the internal workings of Mac OS X and iOS.

Linux For Dummies Richard Blum 2009-07-17 One of the fastest ways to learn Linux is with this perennial favorite Eight previous top-selling editions of Linux For Dummies can't be wrong. If you've been wanting to migrate to Linux, this book is the best way to get there. Written in easy-to-follow, everyday terms, Linux For Dummies 9th Edition gets you started by concentrating on two distributions of Linux that beginners love: the Ubuntu LiveCD distribution and the gOS Linux distribution, which comes pre-installed on Everex computers. The book also covers the full Fedora distribution. Linux is an open-source operating system and a low-cost or free alternative to Microsoft Windows; of numerous distributions of Linux, this book covers Ubuntu Linux, Fedora Core Linux, and gOS Linux, and includes them on the DVD. Install new open source software via Synaptic or RPM package managers Use free software to browse the Web, listen to music, read e-mail, edit photos, and even run Windows in a virtualized environment Get acquainted with the Linux command line If you want to get a solid foundation in Linux, this popular, accessible book is for you. Note: CD-ROM/DVD and other supplementary materials are not included as part of eBook file.

The Nisus Way Joe Kissell 1996 The definitive guide to Nisus Writer, the versatile high-end word processor for the Mac. Readers will learn what makes the program unique, and how to make a smooth transition from another word processor. Basic and advanced features are covered in turn, with special emphasis on Nisus Writer's ruler/style formatting system. The CD contains NISUS COMPACT, a fully functional word processor.

Mac OS X for Unix Geeks Brian Jepson 2002-09-30 If you're one of the many Unix developers drawn to Mac OS X for its BSD core, you'll find yourself in surprisingly unfamiliar territory. Even if you're an experienced Mac user, Mac OS X is unlike earlier Macs, and it's radically different from the Unix you've used before, too. Enter "Mac OS X for Unix Geeks" by Brian Jepson and Ernest E. Rothman, two Unix geeks who found themselves in the same place you are. Their new book is your guide to figuring out the BSD Unix system and Mac-specific components that are making your life difficult and to help ease you into the Unix inside Mac OS X. This concise book includes such topics as: A quick overview of the Terminal application Understanding Open Directory (LDAP) and NetInfo Issues related to using the GNU C Compiler 9GCC Library linking and porting Unix software An overview of Mac OS X's filesystem and startup processes Creating and installing packages using Fink Building the Darwin kernel Running X Windows on top of Mac OS X The book wraps up with a quick manpage-style reference to the "Missing Manual Pages"--commands that come with Mac OS X although there are no manpages. If you find yourself disoriented by the new Mac environment, Mac OS X for Unix Geeks can help you acclimate yourself quickly to the familiar, yet foreign, Unix landscape.

Switching to a Mac For Dummies Arnold Reinhold 2011-09-07 Learn how to make the switch from PC to Mac a completely smooth transition The number of Mac users continues to increase significantly each year. If you are one of those people and are eager but also anxious about making the switch, then fear not! This friendly guide skips the jargon to deliver you an easy-to-read, understandable introduction to the Macintosh computer. Computer guru Arnold Reinhold walks you through the Mac OS, user interface, and icons. You'll learn how to set up your Mac, move your files from your PC to your Mac, switch applications, get your Mac online, network your Mac, secure your Mac, work with the iLife suite, troubleshoot common problems, and more. Dives in to helping you make the switch from PC to Mac as smooth and effortless as possible Walks you through the latest features of Mac OS X Lion to help you take advantage of all the cool things your Mac can do that you might not know about Offers clear instructions for working with the iLife applications, running Windows on your Mac via Boot Camp, networking your Mac, and switching your family or your business to a Mac Shares essential advice for troubleshooting common problems and provides easy tips for keeping your Mac happy Switching to Mac For Dummies, Mac OS X Lion Edition is all you need to switch to a Mac and never look back!

Wicked Cool Shell Scripts, 2nd Edition Dave Taylor 2016-10-15 Shell scripts are an efficient way to interact with your machine and manage your files and system operations. With just a few lines of code, your computer will do exactly what you want it to do. But you can also use shell scripts for many other essential (and not-so-essential) tasks. This second edition of Wicked Cool Shell Scripts offers a collection of useful, customizable, and fun shell scripts for solving common problems and personalizing your computing environment. Each chapter contains ready-to-use scripts and explanations of how they work, why you'd want to use them, and suggestions for changing and expanding them. You'll find a mix of classic favorites, like a disk backup utility that keeps your files safe when your system crashes, a password manager, a weather tracker, and several games, as well as 23 brand-new scripts, including: - ZIP code lookup tool that reports the city and state - Bitcoin address information retriever - suite of tools for working with cloud services like Dropbox and iCloud - for renaming and applying commands to files in bulk - processing and editing tools Whether you want to save time managing your system or just find new ways to goof off, these scripts are wicked cool!

Mac OS X Tiger for Unix Geeks Brian Jepson 2005-06-01 If you're one of the many Unix developers drawn to Mac OS X for its Unix core, you'll find yourself in surprisingly unfamiliar territory. Unix and Mac OS X are kissing cousins, but there are enough pitfalls and minefields in going from one to another that even a Unix guru can stumble, and most guides to Mac OS X are written for Mac aficionados. For a

Unix developer, approaching Tiger from the Mac side is a bit like learning Russian by reading the Russian side of a Russian-English dictionary. Fortunately, O'Reilly has been the Unix authority for over 25 years, and in Mac OS X Tiger for Unix Geeks, that depth of understanding shows. This is the book for Mac command-line fans. Completely revised and updated to cover Mac OS X Tiger, this new edition helps you quickly and painlessly get acclimated with Tiger's familiar-yet foreign-Unix environment. Topics include: Using the Terminal and understanding how it differs from an xterm Using Directory Services, Open Directory (LDAP), and NetInfo Compiling code with GCC 3 Library linking and porting Unix software Creating and installing packages with Fink Using DarwinPorts Search through metadata with Spotlight's command-line utilities Building the Darwin kernel Running X Windows on top of Mac OS X, or better yet, run Mac OS X on a Windows machine with PearPC! Mac OS X Tiger for Unix Geeks is the ideal survival guide for taming the Unix side of Tiger. If you're a Unix geek with an interest in Mac OS X, you'll find this clear, concise book invaluable.

Cocoa Programming for OS X Aaron Hillegass 2015-04-16 Covering the bulk of what you need to know to develop full-featured applications for OS X, this edition is updated for OS X Yosemite (10.10), Xcode 6, and Swift. Written in an engaging tutorial style and class-tested for clarity and accuracy, it is an invaluable resource for any Mac programmer. The authors introduce the two most commonly used Mac developer tools: Xcode and Instruments. They also cover the Swift language, basic application architecture, and the major design patterns of Cocoa. Examples are illustrated with exemplary code, written in the idioms of the Cocoa community, to show you how Mac programs should be written. After reading this book, you will know enough to understand and utilize Apple's online documentation for your own unique needs. And you will know enough to write your own stylish code. This edition was written for Xcode 6.3 and Swift 1.2. At WWDC 2015, Apple announced Xcode 7 and Swift 2, both of which introduce significant updates that (along with some changes to Cocoa for OS X 10.11) affect some of the exercises in this book. We have prepared a companion guide listing the changes needed to use Xcode 7 to work through the exercises in the book; it is available at <https://github.com/bignerdranch/cocoa-programming-for-osx-5e/blob/master/Swift2.md>.

Mac for Linux Geeks Tony Steidler-Dennison 2009-01-28 Some might say we all want Linux with an OS X graphical user interface. Mac for Linux Geeks will assist you step by step in migrating from Linux-based systems to OS X. Dual booting, virtualization, and building out the Linux environment on OS X are discussed in detail, along with a comparative view of well-known Mac tools and their open source equivalents. Written for daily use, this concise and dependable guide will steer you across the technical landscape from your chosen Linux flavor to the OS X promised land. Live with OS X, but work with Linux tools Make the OS X-Linux hybrid a reality Use Mac tools where possible and free software where appropriate

Learning Unix for Mac OS X Dave Taylor 2003 Introduces the UNIX environment for the Mac OS X and explains how to set up and configure the Terminal application; how to manage, create, and edit files; and how to navigate the Internet.

The Seismic Analysis Code George Helffrich 2013-09-19 The first comprehensive guide to SAC, complete with introductory materials and detailed descriptions of its most advanced features.

[The Design and Implementation of the 4.3BSD UNIX Operating System](#) Samuel J. Leffler 1989 This covers the internal structure of the 4.3BSD systems and the concepts, data structures and algorithms used in implementing the system facilities. Also includes a chapter on TCP/IP.

Mac OS X Snow Leopard: The Missing Manual David Pogue 2009-10-08 For a company that promised to "put a pause on new features," Apple sure has been busy-there's barely a feature left untouched in Mac OS X 10.6 "Snow Leopard." There's more speed, more polish, more refinement-but still no manual. Fortunately, David Pogue is back, with the humor and expertise that have made this the #1 bestselling Mac book for eight years straight. You get all the answers with jargon-free introductions to: Big-ticket changes. A 64-bit overhaul. Faster everything. A rewritten Finder. Microsoft Exchange compatibility. All-new QuickTime Player. If Apple wrote it, this book covers it. Snow Leopard Spots. This book demystifies the hundreds of smaller enhancements, too, in all 50 programs that come with the Mac: Safari, Mail, iChat, Preview, Time Machine. Shortcuts. This must be the tippiest, trickiest Mac book ever written. Undocumented surprises await on every page. Power usage. Security, networking, build-your-own Services, file sharing with Windows, even Mac OS X's Unix chassis-this one witty, expert guide makes it all crystal clear.

Linux with Operating System Concepts Richard Fox 2021-12-29 A True Textbook for an Introductory Course, System Administration Course, or a Combination Course Linux with Operating System Concepts, Second Edition merges conceptual operating system (OS) and Unix/Linux topics into one cohesive textbook for undergraduate students. The book can be used for a one- or two-semester course on Linux or Unix. It is complete with review sections, problems, definitions, concepts and relevant introductory material, such as binary and Boolean logic, OS kernels and the role of the CPU and memory hierarchy. Details for Introductory and Advanced Users The book covers Linux from both the user and system administrator positions. From a user perspective, it emphasizes command-line interaction. From a system administrator perspective, the text reinforces shell scripting with examples of administration scripts that support the automation of administrator tasks. Thorough Coverage of Concepts and Linux Commands The author incorporates OS concepts not found in most Linux/Unix textbooks, including kernels, file systems, storage devices, virtual memory and process management. He also introduces computer science topics, such as computer networks and TCP/IP, interpreters versus compilers, file compression, file system integrity through backups, RAID and encryption technologies, booting and the GNUs C compiler. New in this Edition The book has been updated to systemd Linux and the newer services like Cockpit, NetworkManager, firewalld and journald. This edition explores Linux beyond CentOS/Red Hat by adding detail on Debian distributions. Content across most topics has been updated and improved.

Unix in a Nutshell Arnold Robbins 2005-10-26 As an open operating system, Unix can be improved on by anyone and everyone: individuals, companies, universities, and more. As a result, the very nature of Unix has been altered over the years by numerous extensions formulated in an assortment of versions. Today, Unix encompasses everything from Sun's Solaris to Apple's Mac OS X and more varieties of Linux than you can easily name. The latest edition of this bestselling reference brings Unix into the 21st century. It's been reworked to keep current with the broader state of Unix in today's world and highlight the strengths of this operating system in all its various flavors. Detailing all Unix commands and options, the informative guide provides generous descriptions and examples that put those commands in context. Here are some of the new features you'll find in Unix in a Nutshell, Fourth Edition: Solaris 10, the latest version of the SVR4-based operating system, GNU/Linux, and Mac OS X Bash shell (along with the 1988 and 1993 versions of ksh) tsch shell (instead of the original Berkeley csh) Package management programs, used for program installation on popular GNU/Linux systems, Solaris and Mac OS X GNU Emacs Version 21 Introduction to source code management systems Concurrent versions system Subversion version control system GDB debugger As Unix has progressed, certain commands that were once critical have fallen into disuse. To that end, the book has also dropped material that is no longer relevant, keeping it taut and current. If you're a Unix user or

programmer, you'll recognize the value of this complete, up-to-date Unix reference. With chapter overviews, specific examples, and detailed command.

[Learn Objective-C on the Mac](#) Scott Knaster 2012-08-10 Learn to write apps for some of today's hottest technologies, including the iPhone and iPad (using iOS), as well as the Mac (using OS X). It starts with Objective-C, the base language on which the native iOS software development kit (SDK) and the OS X are based. Learn Objective-C on the Mac: For OS X and iOS, Second Edition updates a best selling book and is an extensive, newly updated guide to Objective-C. Objective-C is a powerful, object-oriented extension of C, making this update the perfect follow-up to Dave Mark's bestselling Learn C on the Mac. Whether you're an experienced C programmer or you're coming from a different language such as C++ or Java, leading Mac experts Scott Knaster and Waqar Malik show how to harness the power of Objective-C in your apps! A complete course on the basics of Objective-C using Apple's newest Xcode tools An introduction to object-oriented programming Comprehensive coverage of new topics like blocks, GCD, ARC, class extensions, as well as inheritance, composition, object initialization, categories, protocols, memory management, and organizing source files An introduction to building user interfaces using what is called the UIKit A primer for non-C programmers to get off the ground even faster

Learn AppleScript Hamish Sanderson 2010-07-10 AppleScript is an English-like, easy-to-understand scripting language built into every Mac. AppleScript can automate hundreds of AppleScript-able applications, performing tasks both large and small, complex and simple. Learn AppleScript: The Comprehensive Guide to Scripting and Automation on Mac OS X, Third Edition has been completely updated for Mac OS X Snow Leopard. It's all here, with an emphasis on practical information that will help you solve any automation problem—from the most mundane repetitive tasks to highly integrated workflows of complex systems. Friendly enough for beginners, detailed enough for advanced AppleScripters Includes major contributions from expert AppleScripters: Emmanuel Levy, Harald Monihart, Ian Piper, Shane Stanley, Barry Wainwright, Craig Williams, and foreword by AppleScript inventor, William Cook

Rapture for the Geeks Richard Dooling 2008-10-07 Will the Geeks inherit the earth? If computers become twice as fast and twice as capable every two years, how long is it before they're as intelligent as humans? More intelligent? And then in two more years, twice as intelligent? How long before you won't be able to tell if you are texting a person or an especially ingenious chatterbot program designed to simulate intelligent human conversation? According to Richard Dooling in *Rapture for the Geeks*—maybe not that long. It took humans millions of years to develop opposable thumbs (which we now use to build computers), but computers go from megabytes to gigabytes in five years; from the invention of the PC to the Internet in less than fifteen. At the accelerating rate of technological development, AI should surpass IQ in the next seven to thirty-seven years (depending on who you ask). We are sluggish biological sorcerers, but we've managed to create whiz-bang machines that are evolving much faster than we are. In this fascinating, entertaining, and illuminating book, Dooling looks at what some of the greatest minds have to say about our role in a future in which technology rapidly leaves us in the dust. As Dooling writes, comparing human evolution to technological evolution is "worse than apples and oranges: It's appliances versus orangutans." Is the era of Singularity, when machines outthink humans, almost upon us? Will we be enslaved by our supercomputer overlords, as many a sci-fi writer has wondered? Or will humans live lives of leisure with computers doing all the heavy lifting? With antic wit, fearless prescience, and common sense, Dooling provocatively examines nothing less than what it means to be human in what he playfully calls the age of b.s. (before Singularity)—and what life will be like when we are no longer alone with Mother Nature at Darwin's card table. Are computers thinking and feeling if they can mimic human speech and emotions? Does

processing capability equal consciousness? What happens to our quaint beliefs about God when we're all worshipping technology? What if the human compulsion to create ever more capable machines ultimately leads to our own extinction? Will human ingenuity and faith ultimately prevail over our technological obsessions? Dooling hopes so, and his cautionary glimpses into the future are the best medicine to restore our humanity.

Learning the Vi and Vim Editors Arnold Robbins 2008-07-15 There's nothing that hard-core Unix and Linux users are more fanatical about than their text editor. Editors are the subject of adoration and worship, or of scorn and ridicule, depending upon whether the topic of discussion is your editor or someone else's. vi has been the standard editor for close to 30 years. Popular on Unix and Linux, it has a growing following on Windows systems, too. Most experienced system administrators cite vi as their tool of choice. And since 1986, this book has been the guide for vi. However, Unix systems are not what they were 30 years ago, and neither is this book. While retaining all the valuable features of previous editions, the 7th edition of Learning the vi and vim Editors has been expanded to include detailed information on vim, the leading vi clone. vim is the default version of vi on most Linux systems and on Mac OS X, and is available for many other operating systems too. With this guide, you learn text editing basics and advanced tools for both editors, such as multi-window editing, how to write both interactive macros and scripts to extend the editor, and power tools for programmers -- all in the easy-to-follow style that has made this book a classic. Learning the vi and vim Editors includes: A complete introduction to text editing with vi: How to move around vi in a hurry Beyond the basics, such as using buffers vi's global search and replacement Advanced editing, including customizing vi and executing Unix commands How to make full use of vim: Extended text objects and more powerful regular expressions Multi-window editing and powerful vim scripts How to make full use of the GUI version of vim, called gvim vim's enhancements for programmers, such as syntax highlighting, folding and extended tags Coverage of three other popular vi clones -- nvi, elvis, and vile -- is also included. You'll find several valuable appendixes, including an alphabetical quick reference to both vi and ex mode commands for regular vi and for vim, plus an updated appendix on vi and the Internet. Learning either vi or vim is required knowledge if you use Linux or Unix, and in either case, reading this book is essential. After reading this book, the choice of editor will be obvious for you too.

Mac OS X for Unix Geeks Brian Jepson 2002 Introduces the UNIX environment in Mac OS X and explains concepts such as the Terminal application, compiling code, creating and installing packages, and building the Darwin kernel.

Running Mac OS X Panther James Duncan Davidson 2004 Describes ways to customize Mac OS X Panther, covering such topics as setting up user accounts, using HFS+, using NetINFO and LDAP, printer configurations, and networking services.

Learning UNIX for Mac OS X Panther Dave Taylor 2004 This work provides a user-friendly tour for the uninitiated of the Mac's UNIX base. You can safely explore Terminal and familiarize yourself with the command line, learning as you go about the hundreds of UNIX programs that come with your Mac

Mac OS X Panther Edition David Pogue 2003 Demonstrates the operating system's basic features, including Internet access, file management, configuring the desktop, installing peripherals, and working with applications.

The Complete Idiot's Guide to Mac OS X Kate Binder 2001 A guide to Mac computing essentials showcases the updated features of OS X, covering installation, integration, applications, networking,

and troubleshooting.

Mac OS X Unleashed John Ray 2003 PLEASE PROVIDE COURSE INFORMATION PLEASE PROVIDE

Mac OS X for Unix Geeks (Leopard) Ernest E. Rothman 2008-09-18 If you're a developer or system administrator lured to Mac OS X because of its Unix roots, you'll quickly discover that performing Unix tasks on a Mac is different than what you're accustomed to. Mac OS X for Unix Geeks serves as a bridge between Apple's Darwin OS and the more traditional Unix systems. This clear, concise guide gives you a tour of Mac OS X's Unix shell in both Leopard and Tiger, and helps you find the facilities that replace or correspond to standard Unix utilities. You'll learn how to perform common Unix tasks in Mac OS X, such as using Directory Services instead of the standard Unix `/etc/passwd` and `/etc/group`, and you'll be able to compile code, link to libraries, and port Unix software using either Leopard and Tiger. This book teaches you to: Navigate the Terminal and understand how it differs from an xterm Use Open Directory (LDAP) and NetInfo as well as Directory Services Compile your code with GCC 4 Port Unix programs to Mac OS X with Fink Use MacPorts to install free/open source software Search through metadata with Spotlight's command-line utilities Build the Darwin kernel And there's much more. Mac OS X for Unix Geeks is the ideal survival guide to tame the Unix side of Leopard and Tiger. If you're a Unix geek with an interest in Mac OS X, you'll soon find that this book is invaluable.

Advanced Mac OS X Programming Mark Dalrymple 2011 While there are several books on programming for Mac OS X, *Advanced Mac OS X Programming: The Big Nerd Ranch Guide* is the only one that contains explanations of how to leverage the powerful underlying technologies. This book gets down to the real nitty-gritty. The third edition is updated for Mac OS X 10.5 and 10.6 and covers new technologies like DTrace, Instruments, Grand Central Dispatch, blocks, and NSOperation.

Mac OS X Tiger for Unix Geeks Brian Jepson 2005-06 A quick and dirty reference to taming the UNIX side of Mac OS X, for UNIX developers, Java developers, and UNIX system administrators interested in using Mac OS X "Tiger" to satisfy their everyday computing needs but require some assistance acclimating themselves to the familiar, yet foreign, UNIX environment found in the Mac. Original. (Advanced)

Mac OS X for Java Geeks Will Iverson 2003-04-24 Aimed at Java developers, explores the Mac OS X platform, covering topics including Apache Web servers, IDEs, Jakarta Ant, the Spelling Framework, SOAP, and integration with QuickTime.