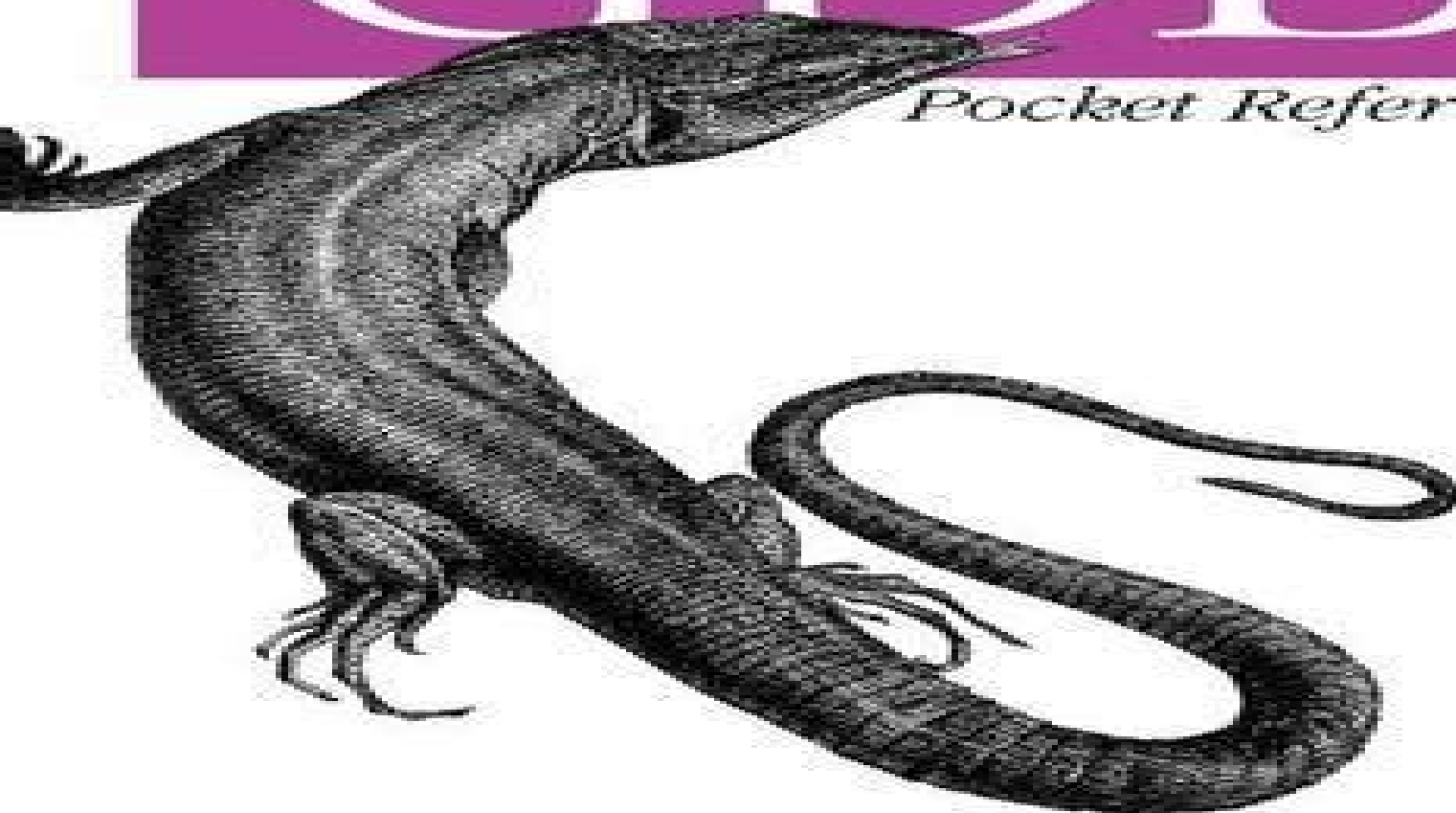


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Gautam Guliani Director of Software Architecture at Kaplan Test Prep Admissions Each has used open source software for some 15 years at IT departments large and small They have collected the wisdom of a host of experts from IT departments open source communities and software companies Open Source for the Enterprise provides a top to bottom view not only of the technology but of the skills required to manage it and the organizational issues that must be addressed **Perl**

Debugger Pocket Reference Richard Foley,2004-01-23 Most Perl programmers know about the Perl debugger the nifty little built in utility that you can use to fully debug any programs that you write Inside the interactive debugger environment you re prompted for commands that let you examine your source code set breakpoints dump out function call stacks change values of variables and much more It s so convenient that some programmers run it just to test out Perl constructs as they create a program But although it s on their radar not many Perl programmers take the time to master the debugger That s where the Perl Debugger Pocket Reference comes in This little book provides a quick and convenient path to mastery of the Perl debugger and its commands Written by a core member of the Perl debugger development team it s an ideal quick reference to debugger commands as well as a detailed tutorial on how to get started The Perl Debugger Pocket Reference provides complete coverage in a conveniently small package Maybe you write code so clean you never have to look at it twice Or perhaps you d rather focus your energies on writing clean code rather than learning about the debugger But if you need to learn about the Perl debugger in a hurry the Perl Debugger Pocket Reference is the book you ll want to have close by And you can always keep a copy on hand to share with programmers who need it more than you do O Reilly s Pocket References have become a favorite among programmers everywhere By providing a wealth of important details in a concise well organized format these handy books deliver just what you need to complete the task at hand When you ve reached a sticking point in your work and need to get to a solution quickly the new Perl Debugger Pocket Reference will get you back on the right track **Linux System Programming** Robert Love,2007-09-18 This book is about writing software that makes the most effective use of the system you re running on code that interfaces directly with the kernel and core system libraries including the shell text editor compiler debugger core utilities and system daemons The majority of both Unix and Linux code is still written at the system level and Linux System Programming focuses on everything above the kernel where applications such as Apache bash cp vim Emacs gcc gdb glibc ls mv and X exist Written primarily for engineers looking to program better at the low level this book is an ideal teaching tool for any programmer Even with the trend toward high level development either through web software such as PHP or managed code C someone still has to write the PHP interpreter and the C virtual machine Linux System Programming gives you an understanding of core internals that makes for better code no matter where it appears in the stack Debugging high level code often requires you to understand the system calls and kernel behavior of your operating system too Key topics include An overview of Linux the kernel the C library and the C compiler Reading from and writing to files along with other basic file I O operations including how the Linux kernel implements and

manages file I O Buffer size management including the Standard I O library Advanced I O interfaces memory mappings and optimization techniques The family of system calls for basic process management Advanced process management including real time processes File and directories creating moving copying deleting and managing them Memory management interfaces for allocating memory managing the memory you have and optimizing your memory access Signals and their role on a Unix system plus basic and advanced signal interfaces Time sleeping and clock management starting with the basics and continuing through POSIX clocks and high resolution timers With Linux System Programming you will be able to take an in depth look at Linux from both a theoretical and an applied perspective as you cover a wide range of programming topics

Linux System Programming Robert M. Love, UNIX UNIX LINUX UNIX TCL TK Write software that makes the most effective use of the Linux system including the kernel and core system libraries The majority of both Unix and Linux code is still written at the system level and this book helps you focus on everything above the kernel where applications such as Apache bash cp vim Emacs gcc gdb glibc ls mv and X exist Written primarily for engineers looking to program at the low level this updated edition of Linux System Programming gives you an understanding of core internals that makes for better code no matter where it appears in the stack Provided by publisher **The Audio Programming Book** Richard Boulanger, Victor Lazzarini, 2010-10-22 An encyclopedic handbook on audio programming for students and professionals with many cross platform open source examples and a DVD covering advanced topics This comprehensive handbook of mathematical and programming techniques for audio signal processing will be an essential reference for all computer musicians computer scientists engineers and anyone interested in audio Designed to be used by readers with varying levels of programming expertise it not only provides the foundations for music and audio development but also tackles issues that sometimes remain mysterious even to experienced software designers Exercises and copious examples all cross platform and based on free or open source software make the book ideal for classroom use Fifteen chapters and eight appendixes cover such topics as programming basics for C and C with music oriented examples audio programming basics and more advanced topics spectral audio programming programming Csound opcodes and algorithmic synthesis and music programming Appendixes cover topics in compiling audio and MIDI computing and math An accompanying DVD provides an additional 40 chapters covering musical and audio programs with micro controllers alternate MIDI controllers video controllers developing Apple Audio Unit plug ins from Csound opcodes and audio programming for the iPhone The sections and chapters of the book are arranged progressively and topics can be followed from chapter to chapter and from section to section At the same time each section can stand alone as a self contained unit Readers will find The Audio Programming Book a trustworthy companion on their journey through making music and programming audio on modern computers **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

Sams Teach Yourself iPad Application Development in 24 Hours John Ray, 2010-08-04 The clear easy to understand tutorial for developers who want to write software for today's hottest new device Apple's iPad Figures and code appear as they do in Xcode Covers iOS 3.2 and up In just 24 sessions of one hour or less learn how to build powerful applications for today's hottest tablet device the iPad Using this book's straightforward step by step approach you'll master every skill and technology you need from setting up your Xcode development environment to utilizing the full iPad screen real estate for touchable interfaces integrating maps and media to improving the reliability and performance of your software Each lesson builds on what you've already learned giving you a rock solid foundation for real world success Step by step instructions carefully walk you through the most common iPad development tasks Quizzes and Exercises at the end of each chapter help you test your knowledge By the Way notes present interesting information related to the discussion Did You Know tips offer advice or show you easier ways to perform tasks Watch Out cautions alert you to possible problems and give you advice on how to avoid them Printed in full color Learn the features of the Xcode development suite Prepare your system and iPad for efficient development Get started fast with Apple's Objective C and Cocoa Touch Understand the Model View Controller MVC development paradigm Implement advanced application interfaces with interactive widgets and web connected interfaces Enhance the user experience with popovers and other iPad only UI features Build interfaces that adjust to the iPad's orientation Read and write data and navigate it with table views Implement media playback and recording capabilities Integrate your software with the iPad's email photos iPod and address book applications Create map and location based services Sense motion with the iPad accelerometer input Discover the tools for building universal iPad iPhone iPod touch applications Distribute your applications through the App Store

Pro Perl Debugging Andy Lester, Richard

Foley,2006-11-01 Combining the best features of C UNIX utilities and regular expressions Perl has grown as one of the most powerful and popular scripting languages The valuable Perl is often used for system administration text processing and Web programming It is even being used for more exotic areas like bioinformatics Perl is supported by all of the most prominent operating systems including Windows Unix OS 2 Amiga and others Pro Perl Debugging steps in to help resolve the dilemma of application testing and debugging one of the biggest time commitments in a programmers daily routine What this book will do is rescue you from substandard application testing practices The book commences with several chapters that overview the debuggers basic features then covers common debugging scenarios The concluding portion examines debugger customization alternative debugging utilities and debugging best practices *Sams Teach Yourself iPhone Application Development in 24 Hours* John Ray,2010-10-15 In just 24 sessions of one hour or less learn how to build powerful applications for today s hottest mobile device the iPhone Using this book s straightforward step by step approach you ll master every skill and technology you need from setting up your iPhone development environment to building great user interfaces sensing motion to writing multitasking applications Each lesson builds on what you ve already learned giving you a rock solid foundation for real world success Step by step instructions carefully walk you through the most common iOS development tasks Quizzes and Exercises at the end of each chapter help you test your knowledge By the Way notes present interesting information related to the discussion Did You Know tips offer advice or show you easier ways to perform tasks Watch Out cautions alert you to possible problems and give you advice on how to avoid them Printed in full color figures and code appear as they do in Xcode Covers iOS 4 0 and up Learn the features of Xcode 3 2 and Interface Builder Prepare your system and iPhone for efficient development Get started quickly with Apple s Objective C and Cocoa Touch Understand the Model View Controller MVC development paradigm Design highly usable applications with interactive widgets and web connected interfaces Use Table views to navigate structured data Build rotatable and resizable user interfaces Read and write data and create System Setting plug ins Use the iPhone s media playback and recording capabilities Create map and location based GPS services Sense motion and orientation with the iPhone s accelerometer and the iPhone 4 gyroscope Create universal applications that run on the iPhone and iPad Write background aware multitasking applications Distribute your applications through the App Store <http://teachyourselfiphone.com> Hacking and Securing IOS Applications Jonathan Zdziarski,2012 Based on unique and previously undocumented research this book by noted iOS expert Jonathan Zdziarski shows the numerous weaknesses that exist in typical iPhone and iPad apps Zdziarski shows finance companies large institutions and others where the exploitable flaws lie in their code and in this book he will show you as well in a clear direct and immediately applicable style More importantly this book will teach the reader how to write more secure code to make breaching your applications more difficult Topics cover manipulating the Objective C runtime debugger abuse hijacking network traffic implementing encryption geo encryption PKI without depending on certificate authorities how to detect and

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Effective Awk Programming Arnold Robbins, 2001-05-23 Effective AWK Programming covers every aspect of the AWK 3.0.3 and 3.0.4 language It offers up to date coverage of the POSIX standard for AWK and distinguishes standard AWK features from GNU AWK specific features The author sheds light on dark corners of the language devotes two chapters to example programs and includes a summary of how the AWK language evolved

The Pocket Guide to the Internet Gary Gach, 1996 The most comprehensive mass market guide to the information superhighway this book offers everyday examples of Internet usage Written in plain English not techno speak it fully explains the basic concepts behind and practical benefits of e mail the World Wide Web newsgroups Gopher and much more Computers General

The Mechanical Engineer's Pocket-book of Tables, Formulae, Rules and Data Daniel Kinnear Clark, 1893 *The Naval Architect's and Shipbuilder's Pocket-book of Formulae, Rules, and Tables* Clement Mackrow, 1902 *Library of Congress Catalog* Library of Congress, 1970

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web desire maximum current rating of bus bar 630amp fault current i sc 50ka fault duration t 1sec the operating temperature rises for the busbar is operating temperature of bus bar θ 85 c final temperature of bus bar during fault θ 1 185 c temperature rise of bus bar bar during fault θ t θ 1 θ 100 c ambient

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web knowing required ampacity determine possible bus bar dimensions from this table then check the ampacity table to verify that size selected has the necessary ampacity example assume that required ampacity is 185 amps at 30 c rise this table indicates that 1 16 x 1 in size would probably be adequate this is confirmed by the ampacity

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web cross sectional area and the length determine bus bar conductor size cross sectional area 4 is equal to conductor thickness t multiplied by conductor width w a value of approximately 400 circular mils per ampere is a traditional basis for

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