

Practical Vim Second Edition Edit Text At The Speed Of Thought

Practical Data Science CookbookThe Complete Book of Porsche 911The Pragmatic ProgrammerMastering BlockchainTest-driven DevelopmentHacking Vim 7. 2A Prince Among StonesLinux Pocket GuideVi and Vim Editors Pocket Referencetmux 2vi Editor Pocket ReferenceHow Linux Works, 2nd EditionAbsolute OpenBSD, 2nd EditionMastering JavaScript Functional ProgrammingPractical Vim, 2nd EditionProgramming RubyPragmatic Guide to GitThe VimL PrimerHacking VimPro VimVi(1) TipsVi IMproved, VimLearn to ProgramEssential CVStmux 2Metallurgy for the Non-Metallurgist, Second EditionLearning the Vi and Vim EditorsNim in ActionBeginning Ubuntu LinuxLinux Command Line and Shell Scripting BibleCode CraftLearning the Vi EditorPro GitMastering VimKubernetes CookbookThe Linux Command LineSimply VimPractical VimPractical VimSmall, Sharp Software Tools

Practical Data Science Cookbook

Real Linux users don't use GUIs. No matter how popular, slick and sophisticated the interfaces become for Linux and UNIX, you'll always need to be able to navigate in a text editor. The vi editor is the original standard UNIX full screen

editor. It's been around almost since UNIX began and it has changed very little. To get around the limitations of vi the people at Bram Moolenaar created the vim editor (the name stand for VI iMproved). It contains many more features than the old vi editor including: help, multiple windows, syntax highlighting, programmer support, and HTML support. All of the books published to date focus on vi alone not the expanded vim shipping with every major Linux distribution. In true New Riders' form, the vim reference will be a definitive, concise reference for the professional Linux user and developer. This tutorial takes a task oriented approach allowing you to learn only the commands that make your job easier.

The Complete Book of Porsche 911

Pro Git (Second Edition) is your fully-updated guide to Git and its usage in the modern world. Git has come a long way since it was first developed by Linus Torvalds for Linux kernel development. It has taken the open source world by storm since its inception in 2005, and this book teaches you how to use it like a pro. Effective and well-implemented version control is a necessity for successful web projects, whether large or small. With this book you'll learn how to master the world of distributed version workflow, use the distributed features of Git to the full, and extend Git to meet your every need. Written by Git pros Scott Chacon and Ben Straub, Pro Git (Second Edition) builds on the hugely successful first edition, and is now fully updated for Git version 2.0, as well as including an indispensable chapter

on GitHub. It's the best book for all your Git needs.

The Pragmatic Programmer

What others in the trenches say about The Pragmatic Programmer “The cool thing about this book is that it’s great for keeping the programming process fresh. The book helps you to continue to grow and clearly comes from people who have been there.” —Kent Beck, author of Extreme Programming Explained: Embrace Change “I found this book to be a great mix of solid advice and wonderful analogies!” —Martin Fowler, author of Refactoring and UML Distilled “I would buy a copy, read it twice, then tell all my colleagues to run out and grab a copy. This is a book I would never loan because I would worry about it being lost.” —Kevin Ruland, Management Science, MSG-Logistics “The wisdom and practical experience of the authors is obvious. The topics presented are relevant and useful. By far its greatest strength for me has been the outstanding analogies—tracer bullets, broken windows, and the fabulous helicopter-based explanation of the need for orthogonality, especially in a crisis situation. I have little doubt that this book will eventually become an excellent source of useful information for journeymen programmers and expert mentors alike.” —John Lakos, author of Large-Scale C++ Software Design “This is the sort of book I will buy a dozen copies of when it comes out so I can give it to my clients.” —Eric Vought, Software Engineer “Most modern books on software development fail to cover the basics of what makes a great

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software developer, instead spending their time on syntax or technology where in reality the greatest leverage possible for any software team is in having talented developers who really know their craft well. An excellent book.” —Pete McBreen, Independent Consultant “Since reading this book, I have implemented many of the practical suggestions and tips it contains. Across the board, they have saved my company time and money while helping me get my job done quicker! This should be a desktop reference for everyone who works with code for a living.” —Jared Richardson, Senior Software Developer, iRenaissance, Inc. “I would like to see this issued to every new employee at my company.” —Chris Cleeland, Senior Software Engineer, Object Computing, Inc. “If I’m putting together a project, it’s the authors of this book that I want. . . . And failing that I’d settle for people who’ve read their book.” —Ward Cunningham Straight from the programming trenches, *The Pragmatic Programmer* cuts through the increasing specialization and technicalities of modern software development to examine the core process--taking a requirement and producing working, maintainable code that delights its users. It covers topics ranging from personal responsibility and career development to architectural techniques for keeping your code flexible and easy to adapt and reuse. Read this book, and you'll learn how to Fight software rot; Avoid the trap of duplicating knowledge; Write flexible, dynamic, and adaptable code; Avoid programming by coincidence; Bullet-proof your code with contracts, assertions, and exceptions; Capture real requirements; Test ruthlessly and effectively; Delight your users; Build teams of pragmatic programmers; and Make

your developments more precise with automation. Written as a series of self-contained sections and filled with entertaining anecdotes, thoughtful examples, and interesting analogies, The Pragmatic Programmer illustrates the best practices and major pitfalls of many different aspects of software development. Whether you're a new coder, an experienced programmer, or a manager responsible for software projects, use these lessons daily, and you'll quickly see improvements in personal productivity, accuracy, and job satisfaction. You'll learn skills and develop habits and attitudes that form the foundation for long-term success in your career. You'll become a Pragmatic Programmer.

Mastering Blockchain

A wry, funny and fascinating memoir from a leading figure in the modern financial world, this is the unique account of one of the greatest bands in musical history

Test-driven Development

A tutorial and reference to the object-oriented programming language for beginning to experienced programmers, updated for version 1.8, describes the language's structure, syntax, and operation, and explains how to build applications. Original. (Intermediate)

Hacking Vim 7. 2

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.

A Prince Among Stones

Master Functional Programming techniques with this comprehensive guide for writing cleaner, safer, high-performing JavaScript codes About This Book Become proficient and skilled with Functional Programming in JavaScript to solve real-world development problems Successfully apply Functional Programming concepts and techniques to everyday JavaScript programming Bring modularity, reusability, testability, and performance to your web apps Who This Book Is For If you are a JavaScript developer and want to apply functional programming techniques, then this book is for you. Only a basic knowledge of the concepts of functional programming is required for this book. What You Will Learn Create more reliable code with closures and immutable data Convert existing methods into pure functions, and loops into recursive methods Develop more powerful applications

with currying and function composition Separate the logic of your system from implementation details Implement composition and chaining techniques to simplify coding Use functional programming techniques where it makes the most sense In Detail Functional programming is a programming paradigm for developing software using functions. Learning to use functional programming is a good way to write more concise code, with greater concurrency and performance. The JavaScript language is particularly suited to functional programming. This book provides comprehensive coverage of the major topics in functional programming with JavaScript to produce shorter, clearer, and testable programs. You'll delve into functional programming; including writing and testing pure functions, reducing side-effects, and other features to make your applications functional in nature. Specifically, we'll explore techniques to simplify coding, apply recursion for loopless coding, learn ways to achieve immutability, implement design patterns, and work with data types. By the end of this book, you'll have developed the JavaScript skills you need to program functional applications with confidence. Style and approach This book takes an easy-to-follow, step-by-step tutorial approach. You will make the most of JavaScript programming with a focus on the progression of functional programming techniques, styles, and detailed information about JavaScript libraries.

Linux Pocket Guide

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For many users, working in the UNIX environment means using vi, a full-screen text editor available on most UNIX systems. Even those who know vi often make use of only a small number of its features. The vi Editor Pocket Reference is a companion volume to O'Reilly's updated sixth edition of Learning the vi Editor, a complete guide to text editing with vi. New topics in Learning the vi Editor include multi-screen editing and coverage of four vi clones: vim, elvis, nvi, and vile. This small book is a handy reference guide to the information in the larger volume, presenting movement and editing commands, the command-line options, and other elements of the vi editor in an easy-to-use tabular format.

Vi and Vim Editors Pocket Reference

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.

tmux 2

vi Editor Pocket Reference

Over 85 recipes to help you complete real-world data science projects in R and Python About This Book Tackle every step in the data science pipeline and use it to acquire, clean, analyze, and visualize your data Get beyond the theory and implement real-world projects in data science using R and Python Easy-to-follow recipes will help you understand and implement the numerical computing concepts Who This Book Is For If you are an aspiring data scientist who wants to learn data science and numerical programming concepts through hands-on, real-world project examples, this is the book for you. Whether you are brand new to data science or you are a seasoned expert, you will benefit from learning about the structure of

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real-world data science projects and the programming examples in R and Python. What You Will Learn Learn and understand the installation procedure and environment required for R and Python on various platforms Prepare data for analysis by implement various data science concepts such as acquisition, cleaning and munging through R and Python Build a predictive model and an exploratory model Analyze the results of your model and create reports on the acquired data Build various tree-based methods and Build random forest In Detail As increasing amounts of data are generated each year, the need to analyze and create value out of it is more important than ever. Companies that know what to do with their data and how to do it well will have a competitive advantage over companies that don't. Because of this, there will be an increasing demand for people that possess both the analytical and technical abilities to extract valuable insights from data and create valuable solutions that put those insights to use. Starting with the basics, this book covers how to set up your numerical programming environment, introduces you to the data science pipeline, and guides you through several data projects in a step-by-step format. By sequentially working through the steps in each chapter, you will quickly familiarize yourself with the process and learn how to apply it to a variety of situations with examples using the two most popular programming languages for data analysis—R and Python. Style and approach This step-by-step guide to data science is full of hands-on examples of real-world data science tasks. Each recipe focuses on a particular task involved in the data science pipeline, ranging from readying the dataset to analytics and visualization

How Linux Works, 2nd Edition

The completely revised Second Edition of Metallurgy for the Non-Metallurgist provides a solid understanding of the basic principles and current practices of metallurgy. The new edition has been extensively updated with broader coverage of topics, new and improved illustrations, and more explanation of basic concepts. It is a "must-have" ready reference on metallurgy!

Absolute OpenBSD, 2nd Edition

Learn how to automate and manage your containers and reduce the overall operation burden on your system. Key Features Use containers to manage, scale and orchestrate apps in your organization Transform the latest concept of Kubernetes 1.10 into examples Expert techniques for orchestrating containers effectively Book Description Kubernetes is an open source orchestration platform to manage containers in a cluster environment. With Kubernetes, you can configure and deploy containerized applications easily. This book gives you a quick brush up on how Kubernetes works with containers, and an overview of main Kubernetes concepts, such as Pods, Deployments, Services and etc. This book explains how to create Kubernetes clusters and run applications with proper authentication and authorization configurations. With real-world recipes, you'll

learn how to create high availability Kubernetes clusters on AWS, GCP and in on-premise datacenters with proper logging and monitoring setup. You'll also learn some useful tips about how to build a continuous delivery pipeline for your application. Upon completion of this book, you will be able to use Kubernetes in production and will have a better understanding of how to manage containers using Kubernetes. What you will learn Build your own container cluster Deploy and manage highly scalable, containerized applications with Kubernetes Build high-availability Kubernetes clusters Build a continuous delivery pipeline for your application Track metrics and logs for every container running in your cluster Streamline the way you deploy and manage your applications with large-scale container orchestration Who this book is for This book is for system administrators, developers, DevOps engineers, or any stakeholder who wants to understand how Kubernetes works using a recipe-based approach. Basic knowledge of Kubernetes and Containers is required.

Mastering JavaScript Functional Programming

"Vim is a fast and efficient text editor that will make you a faster and more efficient developer. In more than 120 Vim tips, you'll quickly learn the editor's core functionality and tackle your trickiest editing and writing tasks"--Back cover.

Practical Vim, 2nd Edition

From personalizing Vim to productivity optimizations: Recipes to make life easier for experienced Vim users.

Programming Ruby

Mastering Vim, reviewed by Bram Moolenaar, the creator of Vim, covers usage of Vim and Neovim, showcases relevant plugins, and teaches Vimscript Key Features Expert Vim and Vimscript techniques to work with Python and other development environment Accomplish end-to-end software development tasks with Neovim and Vim plugins Understand best practices for various facets of projects like version control, building, and testing Book Description Vim is a ubiquitous text editor that can be used for all programming languages. It has an extensive plugin system and integrates with many tools. Vim offers an extensible and customizable development environment for programmers, making it one of the most popular text editors in the world. Mastering Vim begins with explaining how the Vim editor will help you build applications efficiently. With the fundamentals of Vim, you will be taken through the Vim philosophy. As you make your way through the chapters, you will learn about advanced movement, text operations, and how Vim can be used as a Python (or any other language for that matter) IDE. The book will then

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cover essential tasks, such as refactoring, debugging, building, testing, and working with a version control system, as well as plugin configuration and management. In the concluding chapters, you will be introduced to additional mindset guidelines, learn to personalize your Vim experience, and go above and beyond with Vimsript. By the end of this book, you will be sufficiently confident to make Vim (or its fork, Neovim) your first choice when writing applications in Python and other programming languages. What you will learn

- Get the most recent Vim, GVim, and Neovim versions installed
- Become efficient at navigating and editing text
- Uncover niche Vim plugins and pick the best ones
- Discover multiple ways of organizing plugins
- Explore and tailor Vim UI to fit your needs
- Organize and maintain Vim configuration across environments
- Write scripts to complement your workflow using Vimsript

Who this book is for Mastering Vim is written for beginner, intermediate, and expert developers. The book will teach you to effectively embed Vim in your daily workflow. No prior experience with Python or Vim is required.

Pragmatic Guide to Git

No Unix-class system administrator or user will get far without learning the basics of vi(1), the widespread visual text-mode editor. Learning it has just gotten easier with "vi(1) Tips," the first book on vi(1) that doesn't scare the reader with unfamiliar terminology. We designed this book to get you up to speed with vi(1) in

the least possible amount of time. And yes, the skills you learn in this book can be applied to all vi(1) implementations, including vim. Jacek Artymiak owns and runs devGuide.net, an Open Source publishing and training company. He has written over 100 articles and over 20 books on Drupal, Google Docs, Linux, OpenBSD, OpenOffice.org, Open Source, firewalls, networking, security, and system administration.

The VimL Primer

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.

Hacking Vim

Your mouse is slowing you down. The time you spend context switching between your editor and your consoles eats away at your productivity. Take control of your environment with tmux, a terminal multiplexer that you can tailor to your workflow. With this updated second edition for tmux 2.3, you'll customize, script, and leverage tmux's unique abilities to craft a productive terminal environment that lets you keep your fingers on your keyboard's home row. You have a database console, web server, test runner, and text editor running at the same time, but switching between them and trying to find what you need takes up valuable time and breaks your concentration. By using tmux 2.3, you can improve your productivity and regain your focus. This book will show you how. This second edition includes many features requested by readers, including how to integrate plugins into your workflow, how to integrate tmux with Vim for seamless navigation - oh, and how to use tmux on Windows 10. Use tmux to manage multiple terminal sessions in a single window using only your keyboard. Manage and run programs side by side in panes, and create the perfect development environment with custom scripts so that when you're ready to work, your programs are waiting for

you. Manipulate text with tmux's copy and paste buffers, so you can move text around freely between applications. Discover how easy it is to use tmux to collaborate remotely with others, and explore more advanced usage as you manage multiple tmux sessions, add custom scripts into the tmux status line, and integrate tmux with your system. Whether you're an application developer or a system administrator, you'll find many useful tricks and techniques to help you take control of your terminal.

Pro Vim

Fully updated and with greatly expanded Vim coverage, this handy little book puts all of the essential information about vi and Vim at a programmer's fingertips, in a format that makes browsing easy.

Vi(1) Tips

Vim is a fast and efficient text editor that will make you a faster and more efficient developer. It's available on almost every OS, and if you master the techniques in this book, you'll never need another text editor. In more than 120 Vim tips, you'll quickly learn the editor's core functionality and tackle your trickiest editing and writing tasks. This beloved bestseller has been revised and updated to Vim 7.4 and

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includes three brand-new tips and five fully revised tips. A highly configurable, cross-platform text editor, Vim is a serious tool for programmers, web developers, and sysadmins who want to raise their game. No other text editor comes close to Vim for speed and efficiency; it runs on almost every system imaginable and supports most coding and markup languages. Learn how to edit text the "Vim way": complete a series of repetitive changes with The Dot Formula using one keystroke to strike the target, followed by one keystroke to execute the change. Automate complex tasks by recording your keystrokes as a macro. Discover the "very magic" switch that makes Vim's regular expression syntax more like Perl's. Build complex patterns by iterating on your search history. Search inside multiple files, then run Vim's substitute command on the result set for a project-wide search and replace. All without installing a single plugin! Three new tips explain how to run multiple ex commands as a batch, autocomplete sequences of words, and operate on a complete search match. Practical Vim, Second Edition will show you new ways to work with Vim 7.4 more efficiently, whether you're a beginner or an intermediate Vim user. All this, without having to touch the mouse. What You Need: Vim version 7.4

Vi Improved, Vim

Anyone can learn Vim! You don't even need a book, you can use "Vimtutor" to learn the basics of Vim from the comfort of your Terminal. This book is written to

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save Vim users a lot of headaches that come with the steep learning curve of Vim. What you can find inside this book You will find the fundamentals of Vim so you can easily get acquainted with it even if you have never used Vim. The basics are thorough and dense in print, so even if you are an intermediate or advanced user you can learn stuff you may have never seen before. Advanced features like Tag Jumping, folding, programming Autocomplete into your .vimrc, etc. are covered for intermediate users. Heavy attention has been given to the usage, programming, and distribution of Vim-plugins; you will be able to get practical experience of large-scale software development and Vim Development. Advanced coding practices are covered to improve your coding speed dramatically, you can practically code at thousands of lines per minute with these methods; entire programs can be written within minutes! VimScript is thoroughly covered, you can learn how to program Vim to do your bidding, hence using Vim at full power; without VimScript Vim may as well be just another text editor! A chapter is entirely devoted to advanced techniques to practicing what you have learned; this takes memorizing out of the practice equation. Instructions are given to use Vim with advanced document formats like HTML, DOCX, etc. Instructions are given to extend your journey to program and code in Vim beyond this book. A lot of informative material is provided to get you acquainted with the Vim-sphere. This book will take care of all your Vim related needs! It will teach you all you need to learn, and it will tell you all you need to know! This book will make you fall in love with Vim; you will be able to grok Vim before you know it!

Learn to Program

Printed in full color. For this new edition of the best-selling Learn to Program, Chris Pine has taken a good thing and made it even better. First, he used the feedback from hundreds of reader e-mails to update the content and make it even clearer. Second, he updated the examples in the book to use the latest stable version of Ruby, and also to use code that looks more like real-world Ruby code, so that people who have just learned to program will be more familiar with common Ruby techniques. Not only does the Second Edition now include answers to all of the exercises, it includes them twice. First you'll find the "how you could do it" answers, using the techniques you've learned up to that point in the book. Next you'll see "how Chris Pine would do it": answers using more advanced Ruby techniques, to whet your appetite as well as providing sort of a "Rosetta Stone" for more elegant solutions. Computers are everywhere, on every desk, in your iPod, cell phone, and PDA. To live well in the 21st century, you need to know how to make computers do things. And to really make computers do what you want, you have to learn to program. Fortunately, that's easier now than ever before. Chris Pine's book will teach you how to program. You'll learn to use your computer better, to get it to do what you want it to do. Starting with small, simple one-line programs to calculate your age in seconds, you'll see how to advance to fully structured, real programs. You'll learn the same technology used to drive modern dynamic websites and large, professional applications. It's now easier to learn to

write your own computer software than it has ever been before. Now everyone can learn to write programs for themselves---no previous experience is necessary. Chris takes a thorough, but light-hearted approach that teaches you how to program with a minimum of fuss or bother. Printed in full color.

Essential CVS

Nim is a new general-purpose programming language that offers support for systems programming, object oriented programming, procedural programming, functional programming, and more. Nim combines the speed of C with the expressiveness of Python and the flexibility of Lisp and it compiles to C as well as C++, Objective C, and even JavaScript. Nim's features make it perfect for developing anything from web applications to operating systems. Nim in Action introduces the Nim programming language and teaches readers how to write native software applications and libraries, web applications, embedded device software, and programs that communicate over the internet. This book is full of hands-on examples that teach how to test, debug, document, and package Nim applications. It also reveals how to interface with foreign languages such as C and C++ and how to use metaprogramming features to write domain specific languages. This book demonstrates how to implement a fully-functioning chat server, a Twitter clone, and many other software projects. It provides readers with a solid knowledge of Nim and the ability to use it to write powerful, portable and

efficient applications. Purchase of the print book includes a free eBook in PDF, Kindle, and ePub formats from Manning Publications.

tmux 2

CVS, the Concurrent Versions System, is the popular source-code management tool that frees developers from the chaos that too often ensues when multiple users work on the same file. An open source technology that is available on most computer platforms, including Windows and Mac OS X, CVS is widely used to manage program code, web site content, and to track changes made to system configuration files. Multiple users can check out files from a directory tree, make changes, and then commit those changes back into the directory. If two developers modify the same file, CVS enables both sets of changes to be merged together into one final file. Although CVS is a lifesaver in many development scenarios, it suffers from poor documentation. But with Essential CVS, developers can have it all: the order that CVS brings and the comprehensive documentation developers need. Essential CVS is a complete and easy-to-follow reference that helps programmers and system administrators apply order to the task of managing large quantities of documents. The book covers basic concepts and usage of CVS, and features a comprehensive reference for CVS commands--including a handy Command Reference Card for quick, on-the-job checks. The book also includes advanced information on all aspects of CVS that involve automation, logging,

branching and merging, and "watches." Readers will find in-depth coverage of the following: Installing CVS and building your first repository Basic use of CVS, including importing projects, checking out projects, committing changes, and updating projects Tagging, branching and merging Working with multiple users Clients, operating systems, and IDEs Repository management and managing remote repositories Project administration, including bug tracking systems, enforcing log messages, history and annotation, and more. Troubleshooting Version control is essential to maintaining order in any project, large or small. Any CVS user, from beginners to team leaders and system administrators, will find this practical guide to CVS indispensable in getting the most from this valuable tool.

Metallurgy for the Non-Metallurgist, Second Edition

Fra bagsiden: Covers refactoring, "programming by intention," mock objects, and much more. Discusses TDD frameworks for C++, C#/.NET, Python, VB6, Ruby, and Smalltalk. Introduces previously unpublished test-first techniques for GUI software. Contains appendices introducing eXtreme Programming and Agile Modeling.

Learning the Vi and Vim Editors

Advance your understanding of the Linux command line with this invaluable

resource Linux Command Line and Shell Scripting Bible, 4th Edition is the newest installment in the indispensable series known to Linux developers all over the world. Packed with concrete strategies and practical tips, the latest edition includes brand-new content covering: Understanding the Shell Writing Simple Script Utilities Producing Database, Web & Email Scripts Creating Fun Little Shell Scripts Written by accomplished Linux professionals Christine Bresnahan and Richard Blum, Linux Command Line and Shell Scripting Bible, 4th Edition teaches readers the fundamentals and advanced topics necessary for a comprehensive understanding of shell scripting in Linux. The book is filled with real-world examples and usable scripts, helping readers navigate the challenging Linux environment with ease and convenience. The book is perfect for anyone who uses Linux at home or in the office and will quickly find a place on every Linux enthusiast's bookshelf.

Nim in Action

Learn about cryptography and cryptocurrencies, so you can build highly secure, decentralized applications and conduct trusted in-app transactions. Key Features Get to grips with the underlying technical principles and implementations of blockchain Build powerful applications using Ethereum to secure transactions and create smart contracts Explore cryptography, mine cryptocurrencies, and solve scalability issues with this comprehensive guide Book Description A blockchain is a distributed ledger that is replicated across multiple nodes and enables immutable,

transparent and cryptographically secure record-keeping of transactions. The blockchain technology is the backbone of cryptocurrencies, and it has applications in finance, government, media and almost all other industries. Mastering Blockchain, Second Edition has been thoroughly updated and revised to provide a detailed description of this leading technology and its implementation in the real world. This book begins with the technical foundations of blockchain technology, teaching you the fundamentals of distributed systems, cryptography and how it keeps data secure. You will learn about the mechanisms behind cryptocurrencies and how to develop applications using Ethereum, a decentralized virtual machine. You will also explore different other blockchain solutions and get an introduction to business blockchain frameworks under Hyperledger, a collaborative effort for the advancement of blockchain technologies hosted by the Linux Foundation. You will also be shown how to implement blockchain solutions beyond currencies, Internet of Things with blockchain, blockchain scalability, and the future scope of this fascinating and powerful technology. What you will learn Master the theoretical and technical foundations of the blockchain technology Understand the concept of decentralization, its impact, and its relationship with blockchain technology Master how cryptography is used to secure data - with practical examples Grasp the inner workings of blockchain and the mechanisms behind bitcoin and alternative cryptocurrencies Understand the theoretical foundations of smart contracts Learn how Ethereum blockchain works and how to develop decentralized applications using Solidity and relevant development frameworks Identify and examine

applications of the blockchain technology - beyond currencies Investigate alternative blockchain solutions including Hyperledger, Corda, and many more Explore research topics and the future scope of blockchain technology Who this book is for This book will appeal to those who wish to build fast, highly secure, transactional applications. It targets people who are familiar with the concept of blockchain and are comfortable with a programming language.

Beginning Ubuntu Linux

Need to learn how to wrap your head around Git, but don't need a lot of hand holding? Grab this book if you're new to Git, not to the world of programming. Git tasks displayed on two-page spreads provide all the context you need, without the extra fluff.

Linux Command Line and Shell Scripting Bible

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

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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"

Code Craft

OpenBSD, the elegant, highly secure Unix-like operating system, is widely used as the basis for critical DNS servers, routers, firewalls, and more. This long-awaited second edition of Absolute OpenBSD maintains author Michael Lucas's trademark straightforward and practical approach that readers have enjoyed for years. You'll learn the intricacies of the platform, the technical details behind certain design

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decisions, and best practices, with bits of humor sprinkled throughout. This edition has been completely updated for OpenBSD 5.3, including new coverage of OpenBSD's boot system, security features like W^X and ProPolice, and advanced networking techniques. You'll learn how to: -Manage network traffic with VLANs, trunks, IPv6, and the PF packet filter -Make software management quick and effective using the ports and packages system -Give users only the access they need with groups, sudo, and chroots -Configure OpenBSD's secure implementations of SNMP, DHCP, NTP, hardware sensors, and more -Customize the installation and upgrade processes for your network and hardware, or build a custom OpenBSD release Whether you're a new user looking for a complete introduction to OpenBSD or an experienced sysadmin looking for a refresher, Absolute OpenBSD, 2nd Edition will give you everything you need to master the intricacies of the world's most secure operating system.

Learning the Vi Editor

Your mouse is slowing you down. The time you spend context switching between your editor and your consoles eats away at your productivity. Take control of your environment with tmux, a terminal multiplexer that you can tailor to your workflow. With this updated second edition for tmux 2.3, you'll customize, script, and leverage tmux's unique abilities to craft a productive terminal environment that lets you keep your fingers on your keyboard's home row. You have a database

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console, web server, test runner, and text editor running at the same time, but switching between them and trying to find what you need takes up valuable time and breaks your concentration. By using tmux 2.3, you can improve your productivity and regain your focus. This book will show you how. This second edition includes many features requested by readers, including how to integrate plugins into your workflow, how to integrate tmux with Vim for seamless navigation - oh, and how to use tmux on Windows 10. Use tmux to manage multiple terminal sessions in a single window using only your keyboard. Manage and run programs side by side in panes, and create the perfect development environment with custom scripts so that when you're ready to work, your programs are waiting for you. Manipulate text with tmux's copy and paste buffers, so you can move text around freely between applications. Discover how easy it is to use tmux to collaborate remotely with others, and explore more advanced usage as you manage multiple tmux sessions, add custom scripts into the tmux status line, and integrate tmux with your system. Whether you're an application developer or a system administrator, you'll find many useful tricks and techniques to help you take control of your terminal.

Pro Git

Ubuntu Linux is the fastest growing Linux-based operating system, and Beginning Ubuntu Linux, Fifth Edition teaches all of us—including those who have never used

Linux—how to use it productively, whether you come from Windows or the Mac or the world of open source. Beginning Ubuntu Linux, Fifth Edition shows you how to take advantage of Lucid Lynx. Based on the best-selling previous edition, Emilio Raggi maintains a fine balance between teaching Ubuntu and introducing new features. Whether you aim to use it in the home or in the office, you'll be introduced to the world of Ubuntu Linux, from simple word processing to using cloud services. You'll learn how to control the Ubuntu system, which you just installed from the book's DVD, as you are guided through common tasks such as configuring the system's graphical user interface (GUI), listening to audio CDs and MP3s, producing documents, using VoIP and chat, and of course, general system maintenance. This book also supplies a series of comprehensive tutorials on Ubuntu administration and security—essential for any Ubuntu user—while not neglecting matters pertaining to office applications and the cloud.

Mastering Vim

For many users, working in the Unix environment means using vi, a full-screen text editor available on most Unix systems. Even those who know vi often make use of only a small number of its features. Learning the vi Editor is a complete guide to text editing with vi. Topics new to the sixth edition include multiscreen editing and coverage of four clones: vim, elvis, nvi, and vile and their enhancements to vi, such as multi-window editing, GUI interfaces, extended regular expressions, and

enhancements for programmers. A new appendix describes vi's place in the Unix and Internet cultures. Quickly learn the basics of editing, cursor movement, and global search and replacement. Then take advantage of the more subtle power of vi. Extend your editing skills by learning to use ex, a powerful line editor, from within vi. For easy reference, the sixth edition also includes a command summary at the end of each appropriate chapter. Topics covered include: Basic editing Moving around in a hurry Beyond the basics Greater power with ex Global search and replacement Customizing vi and ex Command shortcuts Introduction to the vi clones' extensions The nvi, elvis, vim, and vile editors Quick reference to vi and ex commands vi and the Internet

Kubernetes Cookbook

Ready-to-use hacks with solutions for common situations encountered by users of the Vim editor.

The Linux Command Line

Pro Vim teaches you the real-world workflows, tips, and tricks of this powerful, terminal-based text editor. This book covers all the essentials, as well as lesser-known but equally powerful features that will ensure you become a top-level

performant and professional user, able to jump between multiple sessions while manipulating and controlling with ease many different documents and programming files. With easy-to-digest chapters on all the areas you need to learn, this book is a key addition to your library that will enable you to become a fast, efficient user of Vim. Using this book, you will learn how to properly configure your terminal environment and work without even touching the mouse. You will become an expert in how Vim actually works: how buffers and sessions work, automation through Macros and shell scripting, real-world workflows, and how to work efficiently and fast with plugins and different themes. You will also learn practical, real-world tips on how to best utilize Vim alongside the terminal multiplexer tmux; helping you to manage files across multiple servers and terminal sessions. Avoid common pitfalls and work with best practice ways to efficiently edit and control your files and sessions from the terminal interface. Vim is an advanced power tool that is commonly recognized as being difficult to learn, even for experienced developers. This book shows you how to become an expert by focusing on not only the fundamentals of how Vim works, but also by distilling the author's own experiences learning Vim into an easy-to-understand and follow guide. It's time to bring your programming, editing, and workflow skills up to the professional level - use Pro Vim today.

Simply Vim

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The command-line interface is making a comeback. That's because developers know that all the best features of your operating system are hidden behind a user interface designed to help average people use the computer. But you're not the average user, and the CLI is the most efficient way to get work done fast. Turn tedious chores into quick tasks: read and write files, manage complex directory hierarchies, perform network diagnostics, download files, work with APIs, and combine individual programs to create your own workflows. Put down that mouse, open the CLI, and take control of your software development environment. No matter what language or platform you're using, you can use the CLI to create projects, run servers, and manage files. You can even create new tools that fit right in with grep, sed, awk, and xargs. You'll work with the Bash shell and the most common command-line utilities available on macOS, Windows 10, and many flavors of Linux. Create files without opening a text editor. Manage complex directory structures and move around your entire file system without touching the mouse. Diagnose network issues and interact with APIs. Chain several commands together to transform data, and create your own scripts to automate repetitive tasks. Make things even faster by customizing your environment, creating shortcuts, and integrating other tools into your environment. Hands-on activities and exercises will cement your newfound knowledge and give you the confidence to use the CLI to its fullest potential. And if you're worried you'll wreck your system, this book walks you through creating an Ubuntu virtual machine so you can practice worry-free. Dive into the CLI and join the thousands of other devs who

use it every day. What You Need: You'll need macOS, Windows 10, or a Linux distribution like Ubuntu, Fedora, CentOS, or Debian using the Bash shell.

Practical Vim

Porsche's fabled 911 represents the ultimate expression of Ferdinand Porsche's original vision of the perfect sports car. In *The Complete Book of Porsche 911*, author and photographer Randy Leffingwell provides a year-by-year overview of Stuttgart's most famous car, from the original 901 prototype to today's technologically advanced GT2 and GT3 derivatives and the latest 992-generation 911. Along the way, he highlights the racing, prototype, and limited-production cars—offering the most complete reference available to these top-tier sports cars. In this book, you'll find the air-cooled cars of 1963 to 1998, then the water-cooled 911s of 1998 to present day. With behind-the-scenes info on the evolution of this iconic sports car, this book offers the detail craved by Porsche enthusiasts. Illustrated throughout with images from Porsche's own historical archive and complemented by the author's stunning photos, along with detailed technical specification tables, *The Complete Book of Porsche 911* offers a thorough account of one of the most beloved enthusiast cars ever produced.

Practical Vim

A guide to writing computer code covers such topics as variable naming, presentation style, error handling, and security.

Small, Sharp Software Tools

Build on your editor's capabilities and tailor your editing experience with VimL, the powerful scripting language built into Vim. With VimL you can configure basic settings or add entirely new functionality. Use this quick and easy introduction to create your own Vim plugin while learning the concepts and syntax of VimL. VimL is the scripting language of the Vim editor. If you've ever edited or saved a vimrc file, you've written VimL. And VimL can do much more than simply configure settings and specify option values--you can write entire plugins in VimL. But without a background in scripting Vim, it can be hard to know where to start. The VimL Primer gives you the tools and confidence you need. It gets you comfortable in VimL quickly, walking you through creating a working plugin that you can run yourself as you write it in Vim. You'll learn how to script common commands and buffer interaction, work with windows and buffers from within a plugin script, and how to use autocommands to have Vim recognize entirely new filetypes. You'll discover how to declare filetype-specific settings and define your own syntax elements for use with Vim's syntax highlighting. And you'll see how you can write your own command-line commands and define new mappings to call them. With this introduction to scripting Vim, your own Vim extensions are only plugins away.

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Take control of your editor! What You Need:: Vim version 7 or later is required, and it's available on any of the major operating systems. This book uses the "Huge" version of Vim 7.4.

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