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Learn Command Line and Batch Script Fast-D
Armstrong 2016-11-07 This

book is the full three volumes of the successful, and well-reviewed, e-book series of the same name, re-published for print. This book introduces the Windows command line,

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or "cmd line," and batch script with a practical step-by-step approach. It starts with simple examples, explanations and exercises. As the book progresses, it guides the reader through using new commands as well as the techniques to combine them into effective batch scripts. Examples, explanations, and exercises (with answers) are provided throughout. While this book is in a course format, the sections on each command are designed to be independent of each other, allowing the reader to skip ahead and try out examples for a later command if, for example, they already know how to use an earlier one. Look inside!

Windows Batch File Programming-Namir C. Shamas 1993 Featuring WinBatch, a powerful new batch file development program for Windows, this manual explains everything there is to know about using the utility to produce simple and advanced Windows batch files. All program commands are covered in detail, and important tips, tricks, and

warnings are highlighted throughout. Includes 200 practical batch files on a 3.5" disk. 150 illustrations.

The Windows Command Line Beginner's Guide - Second Edition-Jonathan Moeller 2011-09-16 The Windows Command Line Beginner's Guide gives users new to the Windows command line an overview of the Command Prompt, from simple tasks to network configuration. In the Guide, you'll learn how to: -Manage the Command Prompt. -Copy & paste from the Windows Command Prompt. -Create batch files. -Remotely manage Windows machines from the command line. -Manage disks, partitions, and volumes. -Set an IP address and configure other network settings. -Set and manage NTFS and file sharing permissions. -Customize and modify the Command Prompt. -Create and manage file shares. -Copy, move, and delete files and directories from the command line. -Manage PDF files and office documents from the command line. -And

many other topics.

Windows Command Line Administration Instant Reference

Reference-John Paul Mueller
2010-09-09 The perfect companion to any book on Windows Server 2008 or Windows 7, and the quickest way to access critical information Focusing just on the essentials of command-line interface (CLI), Windows Command-Line Administration Instant Reference easily shows how to quickly perform day-to-day tasks of Windows administration without ever touching the graphical user interface (GUI). Specifically designed for busy administrators, Windows Command-Line Administration Instant Reference replaces many tedious GUI steps with just one command at the command-line, while concise, easy to access answers provide solutions on the spot. Provides practical examples, step-by-step instructions, and contextual information Quick-reference style delivers the commands needed for managing data and the network; working with Active

Directory; performing diagnostics and maintenance; and, creating batch files and scripts Covers administration for Windows Server 2008 Server Core, Windows Server 2008 (including R2), and Windows 7 Administrators can get more done in less time with CLI than they can with the standard GUI. Compact enough to keep on hand at all times, Windows Command-Line Administration Instant Reference provides administrators with a convenient, fast and simple way to use CLI.

Batchography

-Elias Bachaalany 2016-04-17 The Batchography book is a boon for system administrators, build engineers, programers and home users alike. It takes you on a journey of re-discovery of the lost art of Batch files programming. Whether you are an experienced user or new to the language, you will be surprised by the clarity and the abundance of the material presented in this book. With more than 140 scripting recipes, you will learn about things that you never thought

were possible to achieve using the Batch files scripting language.

Windows 7 and Vista Guide to Scripting, Automation, and Command Line Tools-

Brian Knittel 2010-12-01 THE ONLY HANDS-ON, UP-TO-DATE GUIDE TO VBSCRIPT, THE WINDOWS COMMAND LINE, AND WINDOWS POWERSHELL Windows 7 and Vista contain state-of-the-art tools for streamlining or automating virtually any system management task. If you're a power user, administrator, or developer, these tools can help you eliminate repetitive work and manage your systems far more reliably and effectively. Renowned Windows expert Brian Knittel brings together the practical knowledge you need to use all these tools, including VBScript and Windows Scripting Host (WSH), traditional batch files, the advanced PowerShell command console, and more. Using plenty of examples, Knittel explains how each tool works, and how to solve real-world problems with them.

You'll master techniques ranging from accessing files to manipulating the Registry, sending automated emails to configuring new users. Knittel also provides concise, handy references to Windows 7/Vista's command line, GUI scripting, and object-based management tools. The only single-source guide to all leading methods of Windows scripting and automation, this book will help you get far more done-in far less time! Understand Windows Scripting Host (WSH) and the modern Windows scripting environment Script objects with VBScript, JScript, ActivePerl, and ActivePython Read and write files, including XML and HTML files Manipulate programs and shortcuts Manage network, printer, and fax connections Make the most of PowerShell under Windows 7 and Vista Monitor and administer Windows systems with Windows Management Interface (WMI) Use ADSI to control Active Directory and Microsoft Exchange, and manage users more efficiently Avoid mistakes that can compromise script security Use Windows' debugging

tools to test and troubleshoot scripts Develop batch files that take full advantage of the command line Send faxes and email messages from scripts with Windows Fax and Collaboration Data Objects (CDO) Deploy your scripts throughout your organization Brian Knittel has been a software developer for more than 30 years. He has coauthored five titles in Que's Special Edition Using series, covering Microsoft Windows Vista, XP, and 2000. He is also author of Windows XP Under the Hood, and coauthor of Upgrading and Repairing Windows (with Scott Mueller).

DOS the Easy Way-Everett Murdock 2008

CMD Your Computer: An In-Depth Guide to Command Prompt, Batch Programming and Powershell-Cask J. Thomson 2018-08-31 A complete history of command-line interfaces and the effect that commands have had on the modern computer as we know it with every Microsoft

Command Prompt, PowerShell and Run command ever listed - with a large overview of purposes, example uses and tutorials on programming simple and advanced batch files. It doesn

Windows NT Shell Scripting-Tim Hill 1998 One of the first books available on scripting the Windows NT shell, this title appeals to the many UNIX users migrating to Windows NT. It integrates hundreds of proven example scripts throughout the book and gives comprehensive reference of shell commands organized by functional group for ease of use.

Advanced Bash Scripting Guide-Mendel Cooper

Learning the Korn Shell-Bill Rosenblatt 1993-01-01 This Nutshell Handbook® is a thorough introduction to the Korn shell, both as a user interface and as a programming language. The Korn shell, like the C and Bourne shells, is a program

that interprets UNIX commands. It has many features that aren't found in other shells, including command history (the ability to recall and edit previous commands). The Korn shell is also faster; several of its features allow you to write programs that execute more quickly than their Bourne or C shell equivalents. This book provides a clear and concise explanation of the Korn shell's features. It explains ksh string operations, co-processes, signals and signal handling, and one of the worst "dark corners" of shell programming: command-line interpretation. It does this by introducing simple real-life examples and then adding options and complexity in later chapters, illustrating the way real-world script development generally proceeds. An additional (and unique) programming aid, a Korn shell debugger (kshdb), is also included. Learning the Korn Shell is an ideal resource for many UNIX users and programmers, including software developers who want to "prototype" their designs, system administrators who want to write tools for their

own use, and even novices who just want to use some of ksh's more advanced interactive features.

Bash Cookbook—Carl Albing
2017-10-04 For system administrators, programmers, and end users, shell command or carefully crafted shell script can save you time and effort, or facilitate consistency and repeatability for a variety of common tasks. This cookbook provides more than 300 practical recipes for using bash, the popular Unix shell that enables you to harness and customize the power of any Unix or Linux system. Ideal for new and experienced users alike—including proficient Windows users and sysadmins—this updated second edition helps you solve a wide range of problems. You'll learn ways to handle input/output, file manipulation, program execution, administrative tasks, and many other challenges. Each recipe includes one or more scripting examples and a discussion of why the solution works. You'll find recipes for problems including: Standard output

and input, and executing commands
Shell variables, shell logic, and arithmetic
Intermediate shell tools and advanced scripting
Searching for files with find, locate, and slocate
Working with dates and times
Creating shell scripts for various end-user tasks
Working with tasks that require parsing
Writing secure shell scripts
Configuring and customizing bash

How to Cheat at Windows System Administration Using Command Line Scripts

Scripts-Pawan K Bhardwaj
2006-10-09
How to Cheat at Windows Systems Administrators using Command Line Scripts teaches system administrators hundreds of powerful, time-saving tips for automating daily system administration tasks using Windows command line scripts. With every new version of Windows, Microsoft is trying to ease the administration jobs by adding more and more layers of graphical user interface (GUI) or configuration wizards (dialog

boxes). While these 'wizards' are interactive and make the administrator's job easier, they are not always the most convenient and efficient way to accomplish the everyday administration tasks. These wizards are time consuming and, at times, may seem a bit confusing. The purpose of the book is to teach administrators how to use command-line scripts to complete everyday administration jobs, solve recurring network problems and at the same time improve their efficiency. Provides system administrators with hundreds of tips, tricks, and scripts to complete administration tasks more quickly and efficiently. No direct competition for a core tool for Windows administrators. Builds on success of other books in the series including How to Cheat at Managing Windows Small Business Server 2003 and How to Cheat at Managing Microsoft Operations Manager 2005.

Windows XP Under the Hood-Brian Knittel 2002
Explores the Microsoft

Windows XP interface, covering the batch file language and documenting the commandline utilities.

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"

Cybersecurity Ops with bash-

Paul Troncone

2019-04-02 If you hope to outmaneuver threat actors, speed and efficiency need to be key components of your cybersecurity operations. Mastery of the standard command line interface (CLI) is an invaluable skill in times

of crisis because no other software application can match the CLI's availability, flexibility, and agility. This practical guide shows you how to use the CLI with the bash shell to perform tasks such as data collection and analysis, intrusion detection, reverse engineering, and administration. Authors Paul Troncone, founder of Digadel Corporation, and Carl Albing, coauthor of bash Cookbook (O'Reilly), provide insight into command line tools and techniques to help defensive operators collect data, analyze logs, and monitor networks. Penetration testers will learn how to leverage the enormous amount of functionality built into every version of Linux to enable offensive operations. With this book, security practitioners, administrators, and students will learn how to: Collect and analyze data, including system logs Search for and through files Detect network and host changes Develop a remote access toolkit Format output for reporting Develop scripts to automate tasks

Windows XP-Carolyn Z.

Gillay 2002-08-01 Windows XP: Command Line introduces DOS and the Windows XP command line interface. It explains the commands and functions for managing files and directories from DOS, how to create a batch file to automate a sequence of commands, and the basic concepts and terminology of networking. The disk contains data files for activities.

Learning the bash Shell-

Cameron Newham 2005-03-29 O'Reilly's bestselling book on Linux's bash shell is at it again. Now that Linux is an established player both as a server and on the desktop Learning the bash Shell has been updated and refreshed to account for all the latest changes. Indeed, this third edition serves as the most valuable guide yet to the bash shell. As any good programmer knows, the first thing users of the Linux operating system come face to face with is the shell the UNIX term for a user interface to the system. In other words, it's what lets you communicate with the computer via the keyboard

and display. Mastering the bash shell might sound fairly simple but it isn't. In truth, there are many complexities that need careful explanation, which is just what Learning the bash Shell provides. If you are new to shell programming, the book provides an excellent introduction, covering everything from the most basic to the most advanced features. And if you've been writing shell scripts for years, it offers a great way to find out what the new shell offers. Learning the bash Shell is also full of practical examples of shell commands and programs that will make everyday use of Linux that much easier. With this book, programmers will learn: How to install bash as your login shell The basics of interactive shell use, including UNIX file and directory structures, standard I/O, and background jobs Command line editing, history substitution, and key bindings How to customize your shell environment without programming The nuts and bolts of basic shell programming, flow control structures, command-line options and typed variables

Process handling, from job control to processes, coroutines and subshells Debugging techniques, such as trace and verbose modes Techniques for implementing system-wide shell customization and features related to system security

Learning Unix for OS X-

Dave Taylor 2016-01-20 Think your Mac is powerful now? This practical guide shows you how to get much more from your system by tapping into Unix, the robust operating system concealed beneath OS X's beautiful user interface. OS X puts more than a thousand Unix commands at your fingertips—for finding and managing files, remotely accessing your Mac from other computers, and using freely downloadable open source applications. If you're an experienced Mac user, this updated edition teaches you all the basic commands you need to get started with Unix. You'll soon learn how to gain real control over your system. Get your Mac to do exactly what you want, when you want Make changes to your

Mac's filesystem and directories Use Unix's find, locate, and grep commands to locate files containing specific information Create unique "super commands" to perform tasks that you specify Run multiple Unix programs and processes at the same time Access remote servers and interact with remote filesystems Install the X Window system and learn the best X11 applications Take advantage of command-line features that let you shorten repetitive tasks

Windows PowerShell

Cookbook-Lee Holmes
2010-08-20 With more than 250 ready-to-use recipes, this solutions-oriented introduction to the Windows PowerShell scripting environment and language provides administrators with the tools to be productive immediately.

Windows Command Line Self-Study Training Kit-

William Stanek Training Solutions 2016-12-08 150,000 words... 2 Full-length

Personal Training Guides in 1 Convenient Kit! Includes the full contents of: Windows Command Line: The Personal Trainer Windows Command Line for Administration: The Personal Trainer Chances are that if you work with Windows computers you've used Windows Command Line. You may even have run commands at the command prompt. However, you probably still have many questions about Windows Command Line and may also wonder what tools and resources are available. This training kit for Windows power users and IT professionals delivers ready answers for using Windows command-line tools to manage Windows, Windows Server 2012 and Windows Server 2012 R2. Not only is this training kit packed with examples that show you how to run, use, schedule, and script Windows commands and support tools, it's written by a well-known author of computer books and features easy-to-read tables, lists, and step-by step instructions. Designed for anyone who wants to learn Windows Command Line, this training will help you perform tasks

more efficiently, troubleshoot performance issues and programs, manage computer settings, perform routine maintenance, and much more. With its comprehensive overviews, step-by-step procedures, frequently used tasks, and documented examples, this training kit delivers the fast, accurate information you need!

The Art of Multiprocessor Programming

Maurice Herlihy 2020-09-22 The Art of Multiprocessor Programming, Second Edition, provides users with an authoritative guide to multicore programming. This updated edition introduces higher level software development skills relative to those needed for efficient single-core programming, and includes comprehensive coverage of the new principles, algorithms, and tools necessary for effective multiprocessor programming. The book is an ideal resource for students and professionals alike who will benefit from its thorough coverage of key multiprocessor programming issues. Features new

exercises developed for instructors using the text, with more algorithms, new examples, and other updates throughout the book Presents the fundamentals of programming multiple threads for accessing shared memory Explores mainstream concurrent data structures and the key elements of their design, as well as synchronization techniques, from simple locks to transactional memory systems

Perl One-Liners-Peteris Krumins 2013-11-13 Part of the fun of programming in Perl lies in tackling tedious tasks with short, efficient, and reusable code. Often, the perfect tool is the one-liner, a small but powerful program that fits in one line of code and does one thing really well. In Perl One-Liners, author and impatient hacker Peteris Krumins takes you through more than 100 compelling one-liners that do all sorts of handy things, such as manipulate line spacing, tally column values in a table, and get a list of users on a system. This cookbook of useful, customizable, and fun

scripts will even help hone your Perl coding skills, as Krumins dissects the code to give you a deeper understanding of the language. You'll find one-liners that: * Encode, decode, and convert strings * Generate random passwords * Calculate sums, factorials, and the mathematical constants π and e * Add or remove spaces * Number lines in a file * Print lines that match a specific pattern * Check to see if a number is prime with a regular expression * Convert IP address to decimal form * Replace one string with another And many more! Save time and sharpen your coding skills as you learn to conquer those pesky tasks in a few precisely placed keystrokes with Perl One-Liners.

Windows XP in a Nutshell-

David Aaron Karp 2005
Discusses how to install, run, and configure Windows XP for both the home and office, explaining how to connect to the Internet, design a LAN, and share drives and printers, and includes tips and troubleshooting techniques.

Automate the Boring Stuff with Python, 2nd Edition-Al

Sweigart 2019-11-12 The second edition of this best-selling Python book (100,000+ copies sold in print alone) uses Python 3 to teach even the technically uninclined how to write programs that do in minutes what would take hours to do by hand. There is no prior programming experience required and the book is loved by liberal arts majors and geeks alike. If you've ever spent hours renaming files or updating hundreds of spreadsheet cells, you know how tedious tasks like these can be. But what if you could have your computer do them for you? In this fully revised second edition of the best-selling classic Automate the Boring Stuff with Python, you'll learn how to use Python to write programs that do in minutes what would take you hours to do by hand--no prior programming experience required. You'll learn the basics of Python and explore Python's rich library of modules for performing specific tasks, like scraping

data off websites, reading PDF and Word documents, and automating clicking and typing tasks. The second edition of this international fan favorite includes a brand-new chapter on input validation, as well as tutorials on automating Gmail and Google Sheets, plus tips on automatically updating CSV files. You'll learn how to create programs that effortlessly perform useful feats of automation to:

- Search for text in a file or across multiple files
- Create, update, move, and rename files and folders
- Search the Web and download online content
- Update and format data in Excel spreadsheets of any size
- Split, merge, watermark, and encrypt PDFs
- Send email responses and text notifications
- Fill out online forms

Step-by-step instructions walk you through each program, and updated practice projects at the end of each chapter challenge you to improve those programs and use your newfound skills to automate similar tasks. Don't spend your time doing work a well-trained monkey could do. Even if you've never written a line of code, you can make

your computer do the grunt work. Learn how in *Automate the Boring Stuff with Python*, 2nd Edition.

Microsoft Windows Shell Script Programming for the Absolute Beginner-Jerry Lee Ford 2003 Accompanied by a CD-ROM containing all of the scripts, projects, games, and source code appearing in the book, this handbook for novice programmers teaches the fundamentals of programming while explaining how to create games by using Windows Shell scripts. Original. (Beginner)

Python Programming On Win32-Mark Hammond 2000 A demonstration of Python's basic technologies showcases the programming language's possibilities as a Windows development and administration tool.

MySQL Cookbook-Paul DuBois 2003 DuBois organizes his cookbook's recipes into sections on the

problem, the solution stated simply, and the solution implemented in code and discussed. The implementation and discussion sections are the most valuable, as they contain the command sequences, code listings, and design explanations that can be transferred to outside projects.

Data Science at the Command Line

Jeroen Janssens 2014-09-25 This hands-on guide demonstrates how the flexibility of the command line can help you become a more efficient and productive data scientist. You'll learn how to combine small, yet powerful, command-line tools to quickly obtain, scrub, explore, and model your data. To get you started—whether you're on Windows, OS X, or Linux—author Jeroen Janssens introduces the Data Science Toolbox, an easy-to-install virtual environment packed with over 80 command-line tools. Discover why the command line is an agile, scalable, and extensible technology. Even if you're

already comfortable processing data with, say, Python or R, you'll greatly improve your data science workflow by also leveraging the power of the command line. Obtain data from websites, APIs, databases, and spreadsheets Perform scrub operations on plain text, CSV, HTML/XML, and JSON Explore data, compute descriptive statistics, and create visualizations Manage your data science workflow using Drake Create reusable tools from one-liners and existing Python or R code Parallelize and distribute data-intensive pipelines using GNU Parallel Model data with dimensionality reduction, clustering, regression, and classification algorithms

Learn Python 3 the Hard Way

Zed A. Shaw 2017-06-26 You Will Learn Python 3! Zed Shaw has perfected the world's best system for learning Python 3. Follow it and you will succeed—just like the millions of beginners Zed has taught to date! You bring the discipline, commitment, and persistence; the author supplies

everything else. In *Learn Python 3 the Hard Way*, you'll learn Python by working through 52 brilliantly crafted exercises. Read them. Type their code precisely. (No copying and pasting!) Fix your mistakes. Watch the programs run. As you do, you'll learn how a computer works; what good programs look like; and how to read, write, and think about code. Zed then teaches you even more in 5+ hours of video where he shows you how to break, fix, and debug your code—live, as he's doing the exercises. Install a complete Python environment Organize and write code Fix and break code Basic mathematics Variables Strings and text Interact with users Work with files Looping and logic Data structures using lists and dictionaries Program design Object-oriented programming Inheritance and composition Modules, classes, and objects Python packaging Automated testing Basic game development Basic web development It'll be hard at first. But soon, you'll just get it—and that will feel great! This course will reward you for every minute you put into

it. Soon, you'll know one of the world's most powerful, popular programming languages. You'll be a Python programmer. This Book Is Perfect For Total beginners with zero programming experience Junior developers who know one or two languages Returning professionals who haven't written code in years Seasoned professionals looking for a fast, simple, crash course in Python 3

Bash Guide for Beginners (Second Edition)-Machtelt Garrels 2010 *The Bash Guide for Beginners (Second Edition)* discusses concepts useful in the daily life of the serious Bash user. While a basic knowledge of shell usage is required, it starts with a discussion of shell building blocks and common practices. Then it presents the `grep`, `awk` and `sed` tools that will later be used to create more interesting examples. The second half of the course is about shell constructs such as loops, conditional tests, functions and traps, and a number of ways to make interactive scripts. All

chapters come with examples and exercises that will help you become familiar with the theory.

Istio: Up and Running-Lee Calcote 2019-09-27 You did it. You successfully transformed your application into a microservices architecture. But now that you're running services across different environments—public to public, private to public, virtual machine to container—your cloud native software is beginning to encounter reliability issues. How do you stay on top of this ever-increasing complexity? With the Istio service mesh, you'll be able to manage traffic, control access, monitor, report, get telemetry data, manage quota, trace, and more with resilience across your microservice. In this book, Lee Calcote and Zack Butcher explain why your services need a service mesh and demonstrate step-by-step how Istio fits into the life cycle of a distributed application. You'll learn about the tools and APIs for enabling and managing many of the features found in Istio.

Explore the observability challenges Istio addresses Use request routing, traffic shifting, fault injection, and other features essential to running a solid service mesh Generate and collect telemetry information Try different deployment patterns, including A/B, blue/green, and canary Get examples of how to develop and deploy real-world applications with Istio support

Command Line Fundamentals-Vivek N 2018-12-24 Master shell basics and Unix tools and discover easy commands to perform complex tasks with speed Key Features Learn why the Bash shell is widely used on Linux and iOS Explore advanced shell concepts, such as pipes and redirection Understand how to use Unix command-line tools as building blocks for different tasks Book Description The most basic interface to a computer—the command line—remains the most flexible and powerful way of processing data and performing and automating various day-to-day tasks.

Command Line Fundamentals begins by exploring the basics, and then focuses on the most common tool, the Bash shell (which is standard on all Linux and iOS systems). As you make your way through the book, you'll explore the traditional Unix command-line programs as implemented by the GNU project. You'll also learn to use redirection and pipelines to assemble these programs to solve complex problems. By the end of this book, you'll have explored the basics of shell scripting, allowing you to easily and quickly automate tasks. What you will learn Use the Bash shell to run commands Utilize basic Unix utilities such as cat, tr, sort, and uniq Explore shell wildcards to manage groups of files Apply useful keyboard shortcuts in shell Employ redirection and pipes to process data Write both basic and advanced shell scripts to automate tasks Who this book is for Command Line Fundamentals is for programmers who use GUIs but want to understand how to use the command line to complete tasks faster.

C++ Cookbook-D. Ryan Stephens 2006 Designed for the way many developers work, this practical problem-solving guide balances the need for rapid development with a trusted source of information.

Special Edition Using Microsoft Windows XP

Home-Robert Cowart 2004 Faster, stronger, better than it was before - this is the only Windows XP book readers will ever need!

Going Text-Brian Schell 2018-05-16 Windows. MacOS. Gnome. GUIs (Graphical user interfaces) have been the mainstay of home and office computers for nearly 25 years. Before that there were DOS and the Unix command lines. For most users, the mouse and the attractive, colorful user interfaces offered were more intuitive and easier to learn than the cryptic keyboard commands needed to do most tasks on text-based interfaces. For most people, GUIs are still the

best way to go. Still, many of us want more performance, more efficiency, and (arguably) less complexity that can only be found through the keyboard. This book focuses on getting as much as possible done through non-graphic, non-mouse means. This means the keyboard and the text-mode screen. This means working from the command line and through text-based, non-graphical interfaces. It could mean working with older hardware, but it doesn't have to. Whether you're running on the newest I9 processor, a Mac, iPad, Android phone, Raspberry Pi, or some kind of remote terminal, you can make this happen. Actually, the flexible hardware options are just one more reason to make this switch. Can you make the switch from a \$2000 Apple laptop to a \$35 Raspberry Pi? Well... maybe. This book is here to help you find out. Even if it turns out in the end that you don't want to totally switch to text exclusively, the tools and tricks you learn here can still be used from within a terminal in any GUI system. So what do I mean by "Going

Text" in this context? This means we'll be working from a command line, using text-based Unix/Linux-based software. We're going to almost entirely quit using the mouse. We'll be using these command line tools from within Windows, MacOS, or Linux terminal apps, or on other devices by using a terminal program logged into a remote server. As I wrote this book, my alternate titles were "Going Command Line" and "Going Terminal." The final product is a bit of a mash-up of all three ideas. The book will help you get to a command line via one of the following: - On a Mac Using Terminal or iTerm2 (and you have Homebrew installed) - On Windows 10 using Linux Subsystem for Windows - On any PC using Linux - On Windows using PuTTY to SSH to a remote server - On any device using a Chrome browser and Secure Shell to SSH to a remote server - A smartphone or tablet using some kind of SSH App to connect to a remote server Once there, we look at Package Managers, Tmux, Ranger, and Midnight Commander as general-

purpose power tools, then get into specific task-oriented tools for reading email, writing, spreadsheet work, notes, security, password management, web browsing, social media, graphics, audio, video, news, weather, books, task management, coding/web design, and more. There are conceptual overviews of Markdown, LaTeX, Vim, and Todo.txt systems for work.

Learn Windows PowerShell in a Month of Lunches

Don Jones 2016-12-22 Summary Learn Windows PowerShell in a Month of Lunches, Third Edition is an innovative tutorial designed for busy IT professionals. This updated edition covers PowerShell features that run on Windows 7, Windows Server 2008 R2 and later, PowerShell v3 and later, and includes v5 features like PowerShellGet. Purchase of the print book includes a free eBook in PDF, Kindle, and ePub formats from Manning Publications. About the Technology PowerShell is both a scripting language and an administrative shell that lets you control and automate nearly every aspect of

Windows. It accepts and executes commands interactively and you can write scripts to manage most Windows servers like Exchange, IIS, and SharePoint, as well as online services like Azure and Office 365. About the Book Learn Windows PowerShell in a Month of Lunches, Third Edition is an innovative tutorial designed for busy IT professionals. Just set aside one hour a day - lunchtime would be perfect - for a month, and you'll be automating Windows tasks faster than you ever thought possible. This updated edition covers PowerShell features that run on Windows 7, Windows Server 2008 R2 and later, PowerShell v3 and later, and includes v5 features like PowerShellGet. What's Inside Learn PowerShell from the beginning, no experience required! Covers PowerShell v3 and up, Windows 7, and Windows Server 2008 R2 and later Each lesson takes you an hour or less About the Reader Experience with Windows administration is helpful. No programming or scripting experience needed. About the Author Veteran PowerShell

MVPs Don Jones and Jeffery Hicks bring years as successful trainers to this concise, easy-to-follow book. Table of Contents Before you begin Meet PowerShell Using the help system Running commands Working with providers The pipeline: connecting commands Adding commands Objects: data by another name The pipeline, deeper Formatting - and why it's done on the right Filtering and comparisons A practical interlude Remote control: one-to-one, and one-to-many Using Windows Management Instrumentation and CIM Multitasking with background jobs Working with many objects, one at a time Security alert! Variables: a place to store your stuff Input and output Sessions: remote control with less work You call this scripting? Improving your parameterized script Advanced remoting configuration Using regular expressions to parse text files Additional random tips, tricks, and techniques Using someone else's script Never the end PowerShell cheat sheet

Deep Learning with PyTorch-Luca Pietro

Giovanni Antiga 2020-07-01

"We finally have the definitive treatise on PyTorch! It covers the basics and abstractions in great detail. I hope this book becomes your extended reference document."

—Soumith Chintala, co-creator of PyTorch Key Features Written by PyTorch's creator and key contributors Develop deep learning models in a familiar Pythonic way Use PyTorch to build an image classifier for cancer detection Diagnose problems with your neural network and improve training with data augmentation Purchase of the print book includes a free eBook in PDF, Kindle, and ePub formats from Manning Publications. About The Book Every other day we hear about new ways to put deep learning to good use: improved medical imaging, accurate credit card fraud detection, long range weather forecasting, and more. PyTorch puts these superpowers in your hands. Instantly familiar to anyone who knows Python data tools like NumPy and Scikit-learn, PyTorch simplifies deep

learning without sacrificing advanced features. It's great for building quick models, and it scales smoothly from laptop to enterprise. Deep Learning with PyTorch teaches you to create deep learning and neural network systems with PyTorch. This practical book gets you to work right away building a tumor image classifier from scratch. After covering the basics, you'll learn best practices for the entire deep learning pipeline, tackling advanced projects as your PyTorch skills become more sophisticated. All code samples are easy to explore in downloadable Jupyter notebooks. What You Will Learn Understanding deep learning data structures such as tensors and neural networks Best practices for the PyTorch Tensor API, loading data in Python, and visualizing results Implementing modules and loss functions Utilizing pretrained models from PyTorch Hub Methods for training networks with limited inputs Sifting through unreliable results to diagnose and fix problems in your neural network Improve your results with augmented data,

better model architecture, and fine tuning This Book Is Written For For Python programmers with an interest in machine learning. No experience with PyTorch or other deep learning frameworks is required. About The Authors Eli Stevens has worked in Silicon Valley for the past 15 years as a software engineer, and the past 7 years as Chief Technical Officer of a startup making medical device software. Luca Antiga is co-founder and CEO of an AI engineering company located in Bergamo, Italy, and a regular contributor to PyTorch. Thomas Viehmann is a Machine Learning and PyTorch speciality trainer and consultant based in Munich, Germany and a PyTorch core developer. Table of Contents PART 1 - CORE PYTORCH 1 Introducing deep learning and the PyTorch Library 2 Pretrained networks 3 It starts with a tensor 4 Real-world data representation using tensors 5 The mechanics of learning 6 Using a neural network to fit the data 7 Telling birds from airplanes: Learning from images 8 Using convolutions

to generalize PART 2 -
LEARNING FROM IMAGES
IN THE REAL WORLD:
EARLY DETECTION OF
LUNG CANCER 9 Using
PyTorch to fight cancer 10
Combining data sources into a
unified dataset 11 Training a
classification model to detect
suspected tumors 12
Improving training with
metrics and augmentation 13
Using segmentation to find
suspected nodules 14 End-to-
end nodule analysis, and
where to go next PART 3 -
DEPLOYMENT 15 Deploying
to production

Learning the Vi Editor-

Linda Lamb 1998 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 vi 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 Then vi, elvis, vim, and vile editors Quick reference to vi and ex commands vi and the Internet

Getting Started with PowerShell- Michael Shepard 2015-08-27 Learn the fundamentals of PowerShell

to build reusable scripts and functions to automate administrative tasks with Windows About This Book Harness the capabilities of the PowerShell system to get started quickly with server automation Learn to package commands into a reusable script and add control structures and parameters to make them flexible Get to grips with cmdlets that allow you to perform administration tasks efficiently Who This Book Is For This book is intended for Windows administrators or DevOps users who need to use PowerShell to automate tasks. Whether you know nothing about PowerShell or know just enough to get by, this guide will give you what you need to go to take your scripting to the next level. What You Will Learn Learn to verify your installed version of PowerShell, upgrade it, and start a PowerShell session using the ISE Discover PowerShell commands and cmdlets and understand PowerShell formatting Use the PowerShell help system to understand what particular cmdlets do Utilise the pipeline to perform typical data

manipulation Package your code in scripts, functions, and modules Solve common problems using basic file input/output functions Find system information with WMI and CIM Automate IIS functionality and manage it using the WebAdministration module In Detail Windows PowerShell is a task-based command-line shell and scripting language designed specifically for system administration. Built on the .NET Framework, Windows PowerShell helps IT professionals and power users control and automate the administration of the Windows operating system and applications that run on Windows. PowerShell is great for batch importing or deleting large sets of user accounts and will let you collect a massive amount of detailed system information in bulk via WMI (Windows Management Instrumentation). Getting Started with PowerShell is designed to help you get up and running with PowerShell, taking you from the basics of installation, to writing scripts and web server automation. This book, as an introduction

to the central topics of PowerShell, covers finding and understanding PowerShell commands and packaging code for reusability, right through to a practical example of automating IIS. It also includes topics such as installation and setup, creating scripts, automating tasks, and using Powershell to access data stores, registry, and file systems. You will explore the PowerShell environment and discover how to use cmdlets, functions, and scripts to automate Windows systems. Along the

way, you will learn to perform data manipulation and solve common problems using basic file input/output functions. By the end of this book, you will be familiar with PowerShell and be able to utilize the lessons learned from the book to automate your servers. Style and approach A practical learning guide, complete with plenty of activities, examples and screenshots.