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# Sed And Awk Pocket Reference

## Pocket Reference O'Reilly

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*HTML5 Pocket Reference* "O'Reilly Media, Inc."

As part of the best-selling Pocket Primer series, this book is designed to introduce readers to an assortment of useful command-line utilities that can be combined to create simple, yet powerful shell scripts. While all examples and scripts use the "bash" command set, many of the concepts translate into other command shells (such as sh, ksh, zsh, and csh), including the concept of piping data between commands and the highly versatile sed and awk commands. Aimed at a reader relatively new to working in a bash environment, the book is comprehensive enough to be a good reference and teach a few new techniques to those who already have some experience with creating shell scripts. It contains a variety of code fragments and shell scripts for data scientists, data analysts, and other people who want shell-based solutions to "clean" various types of text files. In addition, the concepts and code samples in this book are useful for people who want to simplify routine tasks. Includes companion files with all of the source code examples (download from the publisher by writing to [info@merclearning.com](mailto:info@merclearning.com)). Features: Takes introductory concepts and commands in bash, and then demonstrates their uses in simple, yet powerful shell scripts Contains an assortment of shell scripts for data scientists, data analysts, and other people who want shell-based solutions to "clean" various types of text files Includes companion files with all of the

source code examples (available for download from the publisher)

*Classic Shell Scripting* "O'Reilly Media, Inc."

Software -- Programming Languages.

*Bash Command Line and Shell Scripts Pocket Primer* "O'Reilly Media, Inc."

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.

**SSH, The Secure Shell** "O'Reilly Media, Inc."

sed and awk Pocket Reference "O'Reilly Media, Inc."

**bash Pocket Reference** "O'Reilly

Media, Inc."

For people who create and modify text files, sed and awk are power tools for editing. sed, awk, and regular expressions allow programmers and system administrators to automate editing tasks that need to be performed on one or more files, to simplify the task of performing the same edits on multiple files, and to write conversion programs. The sed and awk Pocket Reference is a companion volume to sed and awk and Unix in a Nutshell. This small book is a handy reference guide to the information the larger volumes, presenting a concise summary of regular expressions and pattern matching, and summaries of sed and awk.

*Sed & Awk* "O'Reilly Media, Inc."

grep Pocket Reference is the first guide devoted to grep, the powerful Unix content-location utility. This handy book is ideal for system administrators, security professionals, developers, and others who want to learn more about grep and take new approaches with it -- for everything from mail filtering and system log management to malware analysis. With grep Pocket Reference, you will: Learn methods for filtering large files for specific content Acquire information not included in the current grep documentation Get several tricks for using variants such as egrep Keep key information about grep right at your fingertips Find the answers you need about grep quickly and easily. If you're familiar with this utility, grep Pocket Reference will help you refresh your basic knowledge, understand rare situations, and work more efficiently. If you're new to grep, this book is the best way to get started.

Sed, Awk and Regular Expressions Pocket Reference Pearson Education India

The "sed & awk Pocket Reference" is a companion volume to "sed & awk 2nd Edition" and "UNIX in a Nutshell, 3rd Edition". This compact book offers handy reference to the information presented in the larger volumes. It presents a concise summary of regular expressions and pattern matching, and summaries of "sed" and "awk".

Sed & Awk Pocket Reference "O'Reilly Media, Inc."

Take your Linux skills to the next level! Whether you're a system administrator, software developer, site reliability engineer, or enthusiastic hobbyist, this practical, hands-on book will help you work faster, smarter, and more efficiently. You'll learn how to create and run complex commands that solve real business problems, process and retrieve information, and automate manual tasks. You'll also truly understand what happens behind the shell prompt, so no matter which commands you run, you can be more successful in everyday Linux use and more competitive on the job market. As you build intermediate to advanced command-line skills, you'll learn how to: Choose or construct commands that get your work done quickly Run commands efficiently and navigate the Linux filesystem with ease Build powerful, complex commands out of simpler ones Transform text files and query them like databases to achieve business goals Control Linux point-and-click features from the command line

**Linux Programming By Example: The Fundamentals** McGraw Hill Professional

For people who create and modify text files, sed and awk are power tools for editing. sed, awk, and regular expressions allow programmers and system administrators to automate editing tasks that need to be performed on one or more files, to simplify the task

of performing the same edits on multiple files, and to write conversion programs. The *sed & awk Pocket Reference* is a companion volume to *sed & awk, Second Edition*, *Unix in a Nutshell, Third Edition*, and *Effective awk Programming, Third Edition*. This new edition has expanded coverage of *gawk* (GNU *awk*), and includes sections on: An overview of *sed* and *awk*'s command line syntax Alphabetical summaries of commands, including *nawk* and *gawk* Profiling with *pgawk* Coprocesses and sockets with *gawk* Internationalization with *gawk* A listing of resources for *sed* and *awk* users This small book is a handy reference guide to the information presented in the larger volumes. It presents a concise summary of regular expressions and pattern matching, and summaries of *sed* and *awk*. Arnold Robbins, an Atlanta native now happily living in Israel, is a professional programmer and technical author and coauthor of various O'Reilly Unix titles. He has been working with Unix systems since 1980, and currently maintains *gawk* and its documentation.

*Git Pocket Guide* "O'Reilly Media, Inc."

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 *vi* 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 clones' extensions Then *vi*, *elvis*, *vim*, and *vi* editors Quick reference to *vi* and *ex* commands *vi* and the Internet

*Bash Pocket Reference* "O'Reilly Media, Inc."

Text processing and pattern matching simplified Key Features -Master the fastest and most elegant big data munging language -Implement text processing and pattern matching using the advanced features of AWK and GAWK -Implement debugging and inter-process communication using GAWK Book Description AWK is one of the most primitive and powerful utilities which exists in all Unix and Unix-like distributions. It is used as a command-line utility when performing a basic text-processing operation, and as programming language when dealing with complex text-processing and mining tasks. With this book, you will have the required expertise to practice advanced AWK programming in real-life examples. The book starts off with an introduction to AWK essentials. You will then be introduced to regular expressions, AWK variables and constants, arrays and AWK functions and more. The book then delves deeper into more complex tasks, such as printing formatted output in AWK, control flow statements, GNU's implementation of AWK covering the

advanced features of GNU AWK, such as network communication, debugging, and inter-process communication in the GAWK programming language which is not easily possible with AWK. By the end of this book, the reader will have worked on the practical implementation of text processing and pattern matching using AWK to perform routine tasks. What you will learn

- Create and use different expressions and control flow statements in AWK
- Use Regular Expressions with AWK for effective text-processing
- Use built-in and user-defined variables to write AWK programs
- Use redirections in AWK programs and create structured reports
- Handle non-decimal input, 2-way inter-process communication with Gawk
- Create small scripts to reformat data to match patterns and process texts

Who this book is for This book is for developers or analysts who are inclined to learn how to do text processing and data extraction in a Unix-like environment. Basic understanding of Linux operating system and shell scripting will help you to get the most out of the book.

*Pocket Reference* O'Reilly

Many Linux and Unix developers are familiar with the GNU debugger (GDB), the invaluable open source tool for testing, fixing, and retesting software. And since GDB can be ported to Windows, Microsoft developers and others who use this platform can also take advantage of this amazing free software that allows you to see exactly what's going on inside of a program as it's executing. This new pocket guide gives you a convenient quick reference for using the debugger with several different programming languages, including C, C++, Java, Fortran and Assembly. The GNU debugger is the most useful tool during the testing phase

of the software development cycle because it helps you catch bugs in the act. You can see what a program was doing at the moment it crashed, and then readily pinpoint and correct problem code. With the GDB Pocket Reference on hand, the process is quick and painless. The book covers the essentials of using GDB in a testing environment, including how to specify a target for debugging and how to make a program stop on specified conditions. This handy guide also provides details on using the debugger to examine the stack, source files and data to find the cause of program failure-and then explains ways to use GDB to make quick changes to the program for further testing and debugging. The ability to spot a bug in real time with GDB can save you hours of frustration, and having a quick way to refer to GDB's essential functions is key to making the process work. Once you get your hands on the GDB Pocket Reference, you'll never let go!

### **Introducing Regular Expressions**

"O'Reilly Media, Inc."

If you're a programmer new to regular expressions, this easy-to-follow guide is a great place to start. You'll learn the fundamentals step-by-step with the help of numerous examples, discovering first-hand how to match, extract, and transform text by matching specific words, characters, and patterns. Regular expressions are an essential part of a programmer's toolkit, available in various Unix utilities as well as programming languages such as Perl, Java, JavaScript, and C#. When you've finished this book, you'll be familiar with the most commonly used syntax in regular expressions, and you'll understand how using them will save you considerable time. Discover what

regular expressions are and how they work Learn many of the differences between regular expressions used with command-line tools and in various programming languages Apply simple methods for finding patterns in text, including digits, letters, Unicode characters, and string literals Learn how to use zero-width assertions and lookarounds Work with groups, backreferences, character classes, and quantifiers Use regular expressions to mark up plain text with HTML5

*Unix in a Nutshell* Apress

Pro Puppet is an in-depth guide to installing, using, and developing the popular configuration management tool Puppet. The book is a comprehensive follow-up to the previous title Pulling Strings with Puppet. Puppet provides a way to automate everything from user management to server configuration. You'll learn how to create Puppet recipes, extend Puppet, and use Facter to gather configuration data from your servers. Puppet is a must-have tool for system administrators, and Pro Puppet will teach you how to maximize its capabilities and customize it for your environment. Install and configure Puppet to immediately start automating tasks and create reporting solutions Learn insider tricks and techniques to better manage your infrastructure Become a Puppet expert!

**Effective awk Programming** Prentice Hall Ptr

It's simple: if you want to interact deeply with Mac OS X, Linux, and other Unix-like systems, you need to know how to work with the Bash shell. This concise little book puts all of the essential information about Bash right at your fingertips. You'll quickly find answers to the annoying questions that generally come up when you're writing shell scripts: What

characters do you need to quote? How do you get variable substitution to do exactly what you want? How do you use arrays? Updated for Bash version 4.4, this book has the answers to these and other problems in a format that makes browsing quick and easy. Topics include: Invoking the shell Syntax Functions and variables Arithmetic expressions Command history Programmable completion Job control Shell options Command execution Coprocesses Restricted shells Built-in commands **Managing Projects with GNU Make** "O'Reilly Media, Inc."

Effective awk Programming, 3rd Edition, focuses entirely on awk, exploring it in the greatest depth of the three awk titles we carry. It's an excellent companion piece to the more broadly focused second edition. This book provides complete coverage of the gawk 3.1 language as well as the most up-to-date coverage of the POSIX standard for awk available anywhere. Author Arnold Robbins clearly distinguishes standard awk features from GNU awk (gawk)-specific features, shines light into many of the "dark corners" of the language (areas to watch out for when programming), and devotes two full chapters to example programs. A brand new chapter is devoted to TCP/IP networking with gawk. He includes a summary of how the awk language evolved. The book also covers: Internationalization of gawk Interfacing to i18n at the awk level Two-way pipes TCP/IP networking via the two-way pipe interface The new PROCINFO array, which provides information about running gawk Profiling and pretty-printing awk programs In addition to covering the awk language, this book serves as the official "User's Guide" for the GNU implementation of awk (gawk),

describing in an integrated fashion the extensions available to the System V Release 4 version of awk that are also available in gawk. As the official gawk User's Guide, this book will also be available electronically, and can be freely copied and distributed under the terms of the Free Software Foundation's Free Documentation License (FDL). A portion of the proceeds from sales of this book will go to the Free Software Foundation to support further development of free and open source software. The third edition of Effective awk Programming is a GNU Manual and is published by O'Reilly & Associates under the Free Software Foundation's Free Documentation License (FDL). A portion of the proceeds from the sale of this book is donated to the Free Software Foundation to further development of GNU software. This book is also available in electronic form; you have the freedom to modify this GNU Manual, like GNU software. Copies published by the Free Software Foundation raise funds for GNU development.

#### Regular Expression Pocket Reference Addison-Wesley

Regular expressions are an extremely powerful tool for manipulating text and data. They are now standard features in a wide range of languages and popular tools, including Perl, Python, Ruby, Java, VB.NET and C# (and any language using the .NET Framework), PHP, and MySQL. If you don't use regular expressions yet, you will discover in this book a whole new world of mastery over your data. If you already use them, you'll appreciate this book's unprecedented detail and breadth of coverage. If you think you know all you need to know about regular expressions, this book is a stunning eye-opener. As this book shows, a command of regular

expressions is an invaluable skill. Regular expressions allow you to code complex and subtle text processing that you never imagined could be automated. Regular expressions can save you time and aggravation. They can be used to craft elegant solutions to a wide range of problems. Once you've mastered regular expressions, they'll become an invaluable part of your toolkit. You will wonder how you ever got by without them. Yet despite their wide availability, flexibility, and unparalleled power, regular expressions are frequently underutilized. Yet what is power in the hands of an expert can be fraught with peril for the unwary. Mastering Regular Expressions will help you navigate the minefield to becoming an expert and help you optimize your use of regular expressions. Mastering Regular Expressions, Third Edition, now includes a full chapter devoted to PHP and its powerful and expressive suite of regular expression functions, in addition to enhanced PHP coverage in the central "core" chapters. Furthermore, this edition has been updated throughout to reflect advances in other languages, including expanded in-depth coverage of Sun's java.util.regex package, which has emerged as the standard Java regex implementation. Topics include: A comparison of features among different versions of many languages and tools How the regular expression engine works Optimization (major savings available here!) Matching just what you want, but not what you don't want Sections and chapters on individual languages Written in the lucid, entertaining tone that makes a complex, dry topic become crystal-clear to programmers, and sprinkled with solutions to complex real-world problems, Mastering Regular

Expressions, Third Edition offers a wealth of information that you can put to immediate use. Reviews of this new edition and the second edition: "There isn't a better (or more useful) book available on regular expressions." --Zak Greant, Managing Director, eZ Systems "A real tour-de-force of a book which not only covers the mechanics of regexes in extraordinary detail but also talks about efficiency and the use of regexes in Perl, Java, and .NET...If you use regular expressions as part of your professional work (even if you already have a good book on whatever language you're programming in) I would strongly recommend this book to you." --Dr. Chris Brown, Linux Format "The author does an outstanding job leading the reader from regex novice to master. The book is extremely easy to read and chock full of useful and relevant examples...Regular expressions are valuable tools that every developer should have in their toolbox. Mastering Regular Expressions is the definitive guide to the subject, and an outstanding resource that belongs on every programmer's bookshelf. Ten out of Ten Horseshoes." --Jason Menard, Java Ranch

*Learning the bash Shell* "O'Reilly Media, Inc."

Learn to use Unix, OS X, or Linux quickly and easily! In just 24 lessons of one hour or less, Sams Teach Yourself Unix in 24 Hours helps you get up and running with Unix and Unix-based operating systems such as Mac OS X and Linux. Designed for beginners with no previous experience using Unix, this book's straightforward, step-by-step approach makes it easy to learn. Each lesson clearly explains essential Unix tools and techniques from the ground up, helping you to become productive as quickly and efficiently as possible. Step-by-step

instructions carefully walk you through the most common Unix tasks. Practical, hands-on examples show you how to apply what you learn. Quizzes and exercises help you test your knowledge and stretch your skills. Notes and tips point out shortcuts and solutions. Learn how to... Pick the command shell that's best for you. Organize the Unix file system (and why). Manage file and directory ownership and permissions. Maximize your productivity with power filters and pipes. Use the vi and emacs editors. Create your own commands and shell scripts. Connect to remote systems using SSH and SFTP. Troubleshoot common problems. List files and manage disk usage. Get started with Unix shell programming. Set up printing in a Unix environment. Archive and back up files. Search for information and files. Use Perl as an alternative Unix programming language. Set up, tweak, and make use of the GNOME graphical environment. Contents at a Glance  
 HOUR 1: What Is This Unix Stuff?  
 HOUR 2: Getting onto the System and Using the Command Line  
 HOUR 3: Moving About the File System  
 HOUR 4: Listing Files and Managing Disk Usage  
 HOUR 5: Ownership and Permissions  
 HOUR 6: Creating, Moving, Renaming, and Deleting Files and Directories  
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 HOUR 8: Filters, Pipes, and Wildcards!  
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 HOUR 10: An Introduction to the vi Editor  
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Backups HOUR 20: Using Email to Communicate HOUR 21: Connecting to Remote Systems Using SSH and SFTP HOUR 22: Searching for Information and Files HOUR 23: Perl Programming in Unix HOUR 24: GNOME and the GUI Environment Appendix A: Common Unix Questions and Answers

Linux iptables Pocket Reference John Wiley & Sons Incorporated

This pocket guide is the perfect on-the-job companion to Git, the distributed version control system. It provides a compact, readable introduction to Git for new users, as well as a reference to common commands and procedures for those of you with Git experience. Written for Git version 1.8.2, this handy task-oriented guide is organized around the basic version control functions you need, such as making commits, fixing mistakes, merging, and searching history. Examine the state of your project at earlier points in time Learn the basics of creating and making changes to a repository Create branches so many people can work on a project simultaneously Merge branches and reconcile the changes among them Clone an existing repository and share changes with push/pull commands Examine and change your repository's commit history Access remote repositories, using different network protocols Get recipes for accomplishing a variety of common tasks

**Linux Pocket Guide** Packt Publishing Ltd

Shell scripting skills never go out of style. It's the shell that unlocks the real potential of Unix. Shell scripting is essential for Unix users and system administrators—a way to quickly harness and customize the full power of any Unix system. With shell scripts, you can combine the fundamental Unix text and file processing commands to crunch data and automate repetitive tasks. But beneath this simple promise lies a treacherous ocean of variations in Unix commands and standards. Classic Shell Scripting is written to help you reliably navigate these tricky waters. Writing shell scripts requires more than just a knowledge of the shell language, it also requires familiarity with the individual Unix programs: why each one is there, how to use them by themselves, and in combination with the other programs. The authors are intimately familiar with the tips and tricks that can be used to create excellent scripts, as well as the traps that can make your best effort a bad shell script. With Classic Shell Scripting you'll avoid hours of wasted effort. You'll learn not only write useful shell scripts, but how to do it properly and portably. The ability to program and customize the shell quickly, reliably, and portably to get the best out of any individual system is an important skill for anyone operating and maintaining Unix or Linux systems. Classic Shell Scripting gives you everything you need to master these essential skills.

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