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Covering all major platforms-
Linux, Unix, Mac OS X, and
Windows-this guide shows
programmers and power users
how to customize an operating

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system, automate commands,
and simplify administration
tasks using shell scripts Offers
complete shell-scripting
instructions, robust code
examples, and full scripts for OS
customization Covers shells as a

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user interface, basic scripting techniques, script editing and debugging, graphing data, and simplifying administrative tasks
In addition to Unix and Linux scripting, the book covers the latest Windows scripting

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Using csh & tcsh describes from the beginning how to use csh--the standard shell on most UNIX systems--interactively.

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faster with less typing.

A guide for system administrators of all types of UNIX distributions offers real-world examples demonstrating programming and troubleshooting techniques.

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Korn Shell Programming by
Example
Shell Scripting
Expert Recipes for Linux, Bash,
and more
Bash Cookbook
Learning the Korn Shell

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Beginning Shell Scripting

The key to mastering any Unix system, especially Linux and Mac OS X, is a thorough knowledge of shell scripting. Scripting is a way to harness and customize the power of any Unix system, and it's an

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essential skill for any Unix users, including system administrators and professional OS X developers. But beneath this simple promise lies a treacherous ocean of variations in Unix commands and standards. bash Cookbook teaches

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shell scripting the way Unix masters practice the craft. It presents a variety of recipes and tricks for all levels of shell programmers so that anyone can become a proficient user of the most common Unix shell -- the

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bash shell -- and cygwin or other popular Unix emulation packages. Packed full of useful scripts, along with examples that explain how to create better scripts, this new cookbook gives professionals and power users everything they need to

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automate routine tasks and enable them to truly manage their systems -- rather than have their systems manage them.

O'Reilly's bestselling book on Linux's bash shell is at it again. Now that Linux is an established

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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

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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

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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,

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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

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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

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*basics of interactive shell use,
including UNIX file and directory
structures, standard I/O, and
background jobs Command line
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key bindings How to customize
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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

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trace and verbose modes

*Techniques for implementing
system-wide shell customization
and features related to system
security*

*If you use UNIX, you probably use
csh to type commands even if*

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you've never heard of it. It's the standard shell (command line) on most UNIX systems. tcsh is an enhanced version that's freely available and highly recommended. Using csh & tcsh describes from the beginning how

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*your prompt tell you where you are
(no more pwd) Use what you've
typed before (history) Type long
command lines with very few
keystrokes (command and filename
completion) Remind yourself of
filenames when in the middle of*

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*typing a command Edit a botched
command instead of retyping it
This book does not cover
programming or script writing in
csh ortcsh because the tasks are
better done with a different shell,
such as sh (the Bourne shell) or a*

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language like Perl.

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Again, whether you're using bash, bourne (sh), KornShell (ksh), C shell (csh), Z shell (zsh), or even the tcsh shell, you'll be able to put what you learn in this book to good use. Perfect for Linux, Unix, Mac and More! Also, you'll be able to use these scripts on any

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This is the only book on C shell scripting that goes in-depth, from variable management to the intricacies of scripting. The book is written in such

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a way that even a computer novice can learn from it. To say that C shell is not used is not true at all. As per the TIOBE Index, bash and C shell have similar kinds of popularity. This book has the following aims:1) Develop an understanding of the C shell

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Wide CustomizationChapter 5: Regular
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together, how to engineer scripts that play well with Python and Ruby, and even run on embedded systems Who this book is for This book is for system administrators, programmers, and testers working across Linux, OS X, and the Unix command line. Table of

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*Contents Introduction to Shell
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Language Portability Utility
Portability Bringing It All Together*

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Shell Script Design Mixing and Matching

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

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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

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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

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"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

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how shell scripting can help solve many of the data processing tasks that Health and Life specialists face everyday with minimal software dependencies. The examples presented in the

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used and combined to
retrieve data and text from
web resources, to filter and
mine literature, and to
explore the semantics

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encoded in biomedical ontologies. To store data this book relies on open standard text file formats, such as TSV, CSV, XML, and OWL, that can be open by any text editor or spreadsheet

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application. The first two chapters, Introduction and Resources, provide a brief introduction to the shell scripting and describe popular data resources in Health and Life Sciences.

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