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Summary Chapter 4: Wildcard Expansion; Filename Expansion (Globbing); Bash Globbing Features; Shell Options; Regular Expressions and Quoting; Overview of Regular Expressions; Quoting; Summary; Chapter 5: Conditional Execution; If/Then; Else; elif; Test (I); Flags for Test; File Comparison Tests; String Comparison Tests; Regular Expression Tests; Numerical Tests; Combining Tests; Case; Summary; Chapter 6: Flow Control Using Loops; For Loops; When to Use For Loops; Imaginative Ways of Feeding "For" with Data; C-Style For Loops; While Loops; When to Use While Loops; Ways to Use While Loops Nested Loops Breaking and Continuing Loop Execution; While with Case; Until Loops; Select Loops; Summary; Chapter 7: Variables Continued; Using Variables; Variable Types; Length of Variables; Special String Operators; Stripping Variable Strings by Length; Stripping from the End of the String; Stripping Strings with Patterns; Searching Strings; Using Search and Replace; Replacing Patterns; Deleting Patterns; Changing Case; Providing Default Values; Indirection; Sourcing Variables; Summary; Chapter 8: Functions and Libraries; Functions; Defining Functions; Function Output; Writing to a File Redirecting the Output of an Entire Function Functions with Trap; Recursive Functions; Variable Scope; Libraries; Creating and Accessing Libraries; Library Structures; Network Configuration Library; Use of Libraries; Getopts; Handling Errors; Getopts within Functions; Summary; Chapter 9: Arrays; Assigning Arrays; One at a Time; All at Once; By Index; All at Once from a Source; Read from Input; Accessing Arrays; Accessing by Index; Length of Arrays; Accessing by Variable Index; Selecting Items from an Array; Displaying the Entire Array; Associative Arrays; Manipulating Arrays; Copying an Array Appending to an Array

Sommario/riassunto

A compendium of shell scripting recipes that can immediately be used, adjusted, and applied The shell is the primary way of communicating with the Unix and Linux systems, providing a direct way to program by automating simple-to-intermediate tasks. With this book, Linux expert Steve Parker shares a collection of shell scripting recipes that can be used as is or easily modified for a variety of environments or situations. The book covers shell programming, with a focus on Linux and the Bash shell; it provides credible, real-world relevance, as well as providing the flexible tools to
