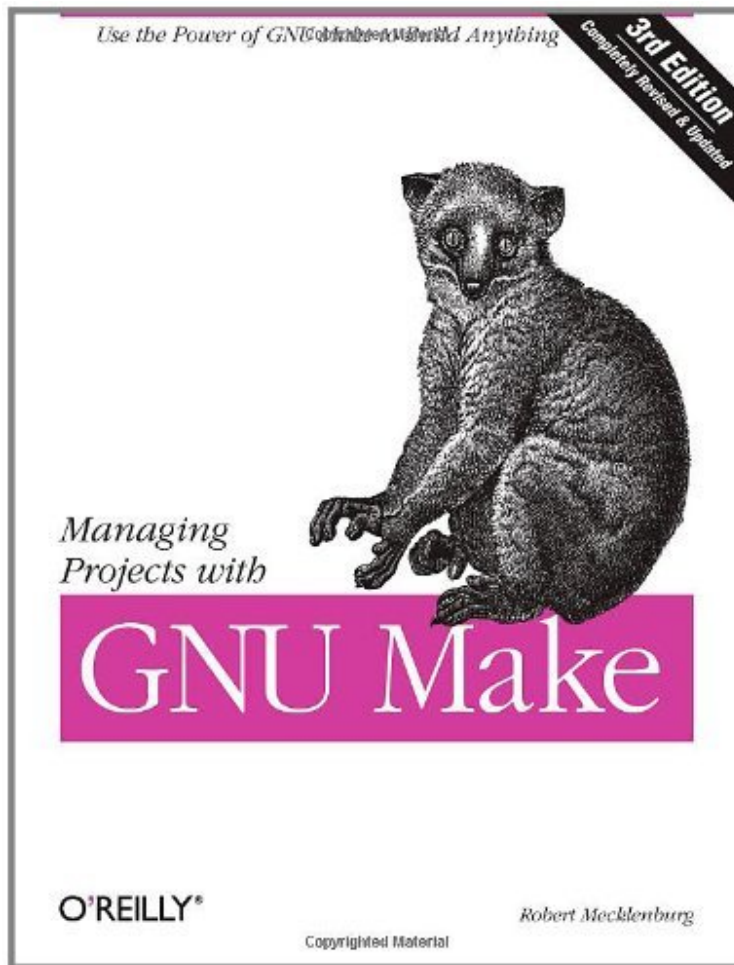


[PDF] Managing Projects with GNU Make: The Power of GNU Make for Building Anything (Nutshell Handbooks)

Managing Projects with GNU Make: The Power of GNU Make for Building Anything (Nutshell Handbooks)

Von Robert Mecklenburg, Andy Oram, Steve Talbott
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Von Robert Mecklenburg, Andy Oram, Steve Talbott : **Managing Projects with GNU Make: The Power of GNU Make for Building Anything (Nutshell Handbooks)** before purchasing it in order to gauge whether or not it would be worth my time, and all praised Managing Projects with GNU Make: The Power of GNU Make for Building Anything (Nutshell Handbooks):

Kundenrezensionen
Hilfreichste Kundenrezensionen
0 von 0 Kunden fanden die folgende Rezension hilfreich.
Verständliche Einführung mit vielen praktischen Beispielen
Von SzombathelyGut geeignet auch für den Anfänger in Make und anderen GNU-Programmier-Tools. Nachdem ich mit den Man-Pages nicht zurechtgekommen bin, war dies endlich ein erfolgreicher Einstieg in die Thematik. Das Buch ist verständlich geschrieben und enthält viele Beispiele

welche detailliert erklärt werden. 6 von 6 Kunden fanden die folgende Rezension hilfreich. clearly structured, well explained Von Kurt Keller Which unix administrator has not typed `./configure; make; make install` many times to magically compile source code. No need to know how to invoke the compiler, what libraries must be linked etc. It simply works, thanks to make and the makefile. Ever wondered how to write a makefile to automate source code compilations or other tasks? I did, wanting to provide an easy way for my colleagues to update and translate my LaTeX documentations when they make changes to a system and to also automatically update the central documentation repository with the new version. I also want to build an easier to handle system for sorting and processing my vacation photos, etc. In this book, Robert Mecklenburg introduces the reader in a well chosen sequence of steps to make and the art of writing makefiles. Throughout the book he uses samples, starting out simple and refining them as new concepts are explained. Some clever hacks and tricks are shown and explained as well. Even though most samples handle compiling C or Java code, the explanations are clear enough to easily apply the techniques to other uses as well. Part one explains rules, variables, macros, functions and commands, while part two goes into advanced and specialized topics like managing large projects, writing portable makefiles, samples for handling C, C++ and Java, performance and debugging. I did not understand everything (and don't need to), but rather than feeling intimidated by makefiles, I now believe to be able to write simple and moderately involved makefiles for the uses I had in mind.

Kurzbeschreibung The utility simply known as make is one of the most enduring features of both Unix and other operating systems. First invented in the 1970s, make still turns up to this day as the central engine in most programming projects; it even builds the Linux kernel. In the third edition of the classic *Managing Projects with GNU make*, readers will learn why this utility continues to hold its top position in project build software, despite many younger competitors. The premise behind make is simple: after you change source files and want to rebuild your program or other output files, make checks timestamps to see what has changed and rebuilds just what you need, without wasting time rebuilding other files. But on top of this simple principle, make layers a rich collection of options that lets you manipulate multiple directories, build different versions of programs for different platforms, and customize your builds in other ways. This edition focuses on the GNU version of make, which has deservedly become the industry standard. GNU make contains powerful extensions that are explored in this book. It is also popular because it is free software and provides a version for almost every platform, including a version for Microsoft Windows as part of the free Cygwin project. *Managing Projects with GNU make, 3rd Edition* provides guidelines on meeting the needs of large, modern projects. Also added are a number of interesting advanced topics such as portability, parallelism, and use with Java. Robert Mecklenburg, author of the third edition, has used make for decades with a variety of platforms and languages. In this book he zealously lays forth how to get your builds to be as efficient as possible, reduce maintenance, avoid errors, and thoroughly understand what make is doing. Chapters on C++ and Java provide makefile entries optimized for projects in those languages. The author even includes a discussion of the makefile used to build the book.

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