Autotools: A Practitioner's Guide to GNU Autoconf, Automake, and Libtool

Von John Calcote
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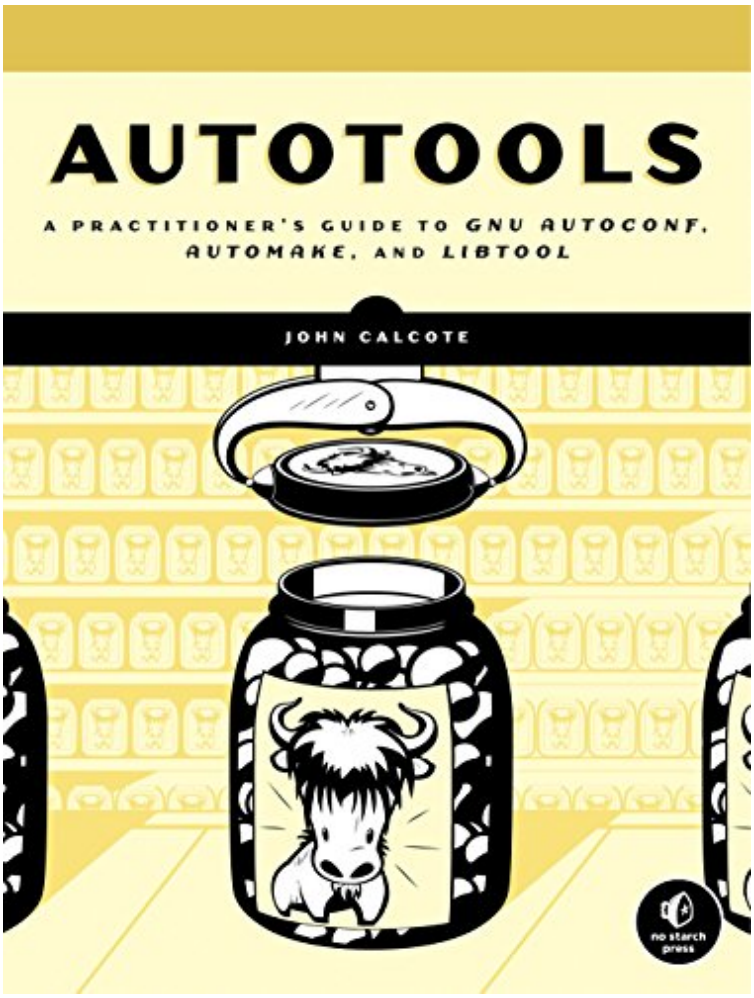

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Von John Calcote : Autotools: A Practitioner's Guide to GNU Autoconf, Automake, and Libtool before purchasing it in order to gage whether or not it would be worth my time, and all praised Autotools: A Practitioner's Guide to GNU Autoconf, Automake, and Libtool:

KundenrezensionenHilfreichste Kundenrezensionen2 von 3 Kunden fanden die folgende Rezension hilfreich. Perfect Job!Von WolfgangVery well explanation of Autotools, even for beginners. Reading the man pages did not give me the overiew to this tools, but this book does.Practical examples included.

KurzbeschreibungThe GNU Autotools make it easy for developers to create software that is portable across many Unix-like operating systems. Although the Autotools are used by thousands of open source software packages, they have a notoriously steep learning curve. And good luck to the beginner who wants to find anything beyond a basic reference work online.Autotools is the first book to offer programmers a tutorial-based guide to the GNU build system. Author John Calcote begins with an overview of high-level concepts and a quick hands-on tour of the philosophy and design of the Autotools. He then tackles more advanced details, like using the M4 macro processor with Autoconf, extending the framework provided by Automake, and building Java and C# sources. He concludes the book with detailed solutions to the most frequent problems encountered by first-time Autotools users.You'll learn how to:Master the Autotools build system to maximize your software's portabilityGenerate Autoconf configuration scripts to simplify the compilation processProduce portable makefiles with AutomakeBuild cross-platform software libraries with LibtoolWrite your own Autoconf macrosAutotools focuses on two projects: Jupiter, a simple "Hello, world!" program, and FLAIM, an existing, complex open source effort containing four separate but interdependent subprojects. Follow along as the author takes Jupiter's build system from a basic makefile to a full-fledged Autotools project, and then as he converts the FLAIM projects from complex hand-coded makefiles to the powerful and flexible GNU build system.KurzbeschreibungThe GNU Autotools make it easy for developers to create software that is portable across many Unix-like operating systems. Although the Autotools are used by thousands of open source software packages, they have a notoriously steep learning curve. And good luck to the beginner who wants to find anything beyond a basic reference work online.Autotools is the first book to offer programmers a tutorial-based guide to the GNU build system. Author John Calcote begins with an overview of high-level concepts and a quick hands-on tour of the philosophy and design of the Autotools. He then tackles more advanced details, like using the M4 macro processor with Autoconf, extending the framework provided by Automake, and building Java and C# sources. He concludes the book with detailed solutions to the most frequent problems encountered by first-time Autotools users.You'll learn how to:Master the Autotools build system to maximize your software's portabilityGenerate Autoconf configuration scripts to simplify the compilation processProduce portable makefiles with AutomakeBuild cross-platform software libraries with LibtoolWrite your own Autoconf macrosAutotools focuses on two projects: Jupiter, a simple "Hello, world!" program, and FLAIM, an existing, complex open source effort containing four separate but interdependent subprojects. Follow along as the author takes Jupiter's build system from a basic makefile to a full-fledged Autotools project, and then as he converts the FLAIM projects from complex hand-coded makefiles to the powerful and flexible GNU build system.ber den Autor und weitere MitwirkendeJohn Calcote is a Senior Software Engineer and Architect at Novell, Inc. He's been writing and developing portable networking and system-level software for nearly 20 years and is active in developing, debugging, and analyzing diverse open source software packages. He is currently a project administrator of the OpenSLP, OpenXDAS, and DNX projects (open source software available at http: //www.sourceforge.net), as well as the Novell-sponsored FLAIM database project (open source software available at http: //developer.novell.com).