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Rake Task Management Essentials



Synopsis

Deploy, test, and build software to solve realworld automation challenges using RakeAbout This BookSolve real-world automation challenges with human readable codeBuild or deploy an application package quicklyEasy-to-follow instructions to speed up tasks and manage them efficientlyWho This Book Is ForIf you are a developer who is acquainted with the Ruby language and want to speed up writing the code concerned with files, then this book is for you. To start reading this book, a basic knowledge of Ruby is required; however, an extensive experience with the language is not necessary.What You Will LearnUse the rake command-line tool efficientlyLearn Rake's language to write clear custom tasksRun tasks in parallel to speed up the overall runtime of the tasks usedWork with file transformations to manage file tasksRefactor a Rake project with the rules, prerequisites, and other technical features built into Rake toolsConfigure a scheduler to run recurring tasks on a serverConfigure continuous integration with Rake using a Jenkins exampleIntegrate Rake with the Rails web framework to write Rails-specific rake tasksIn DetailRake is a build automation tool written in Ruby. It allows you to specify tasks and describe dependencies as well as group tasks in a namespace. Rake uses Ruby's anonymous function blocks to define various tasks, allowing the use of the Ruby syntax. Rake's goal is to automate build processes quickly and expressively."Rake Task Management Essentials" is a practical guide that covers the latest techniques in building, testing, and debugging rake tasks to solve real-world automation challenges. The book starts with a basic knowledge of Rake, allowing you to solve repetitive tasks. Then it provides you with information about processes performed with files, which is crucial for understanding the application of the tool. It includes demonstrations to show you how tasks can be run in parallel and how they can be applied in practice. Thereafter, it integrates Rake with Ruby with the help of simple and clear examples. By the end of this book, you will know how Rake has changed the programming world, especially in the Ruby community.

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Customer Reviews

It was hard to find a book that addresses Rake as a topic by itself. I liked that it started at a very introductory level ("Hello, Rake"), and then progressed step-by-step to more complex topics. The chapter on file operations was terrific. This is a short book, easy to read, and filled with useful tips that clearly come from experience.

This book will in a concise manner introduce you to rake - a simple and powerful tool to automate different kind of tasks you may have as a developer or administrator. The author explains the essential concepts of rake utility: project structure, namespaces, variables, conventions, files, rules etc. You will get to know how rake works - how dependent tasks are called, how tasks can be run in parallel. There are many code examples which illustrate the concepts discussed. There are also shown many use cases which illustrate where and how rake is used and how it can be used in real life projects. This book may be interesting as for beginners so for people who already use rake and want to better understand it's internals and it's power.

The book is very useful and easy-to-read. Material is perceived easily thanks to a deep and detailed explanation of each issue. Examples in this book are very good. They are very close to real problems which you may often meet in the development process. The author sets a good standard for rake task writing style. This book will be interested to beginners and also people with experience

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