Mastering Jenkins

Jonathan McAllister

[Click here](#) if your download doesn"t start automatically

Mastering Jenkins

Jonathan McAllister

Mastering Jenkins Jonathan McAllister

Configure and extend Jenkins to architect, build, and automate efficient software delivery pipelines

About This Book

- Configure and horizontally scale a Jenkins installation to support a development organization of any size
- Implement Continuous Integration, Continuous Delivery, and Continuous Deployment solutions in Jenkins
- A step-by-step guide to help you get the most out of the powerful automation orchestration platform that is Jenkins

Who This Book Is For

If you are a novice or intermediate-level Jenkins user who has used Jenkins before but are not familiar with architecting solutions and implementing it in your organization, then this is the book for you. A basic understanding of the core elements of Jenkins is required to make the best use of this book.

What You Will Learn

- Create and manage various types of build jobs, and implement automation tasks to support a software project of any kind
- Get to grips with the automated testing architecture, and scalable automated testing techniques
- Facilitate the delivery of software across the SDLC by creating scalable automated deployment solutions
- Manage scalable automation pipelines in Jenkins using the latest build, test, and deployment strategies
- Implement a scalable master / slave build automation platform, which can support Windows, Mac OSX, and Linux software solutions
- Cover troubleshooting and advanced configuration techniques for Jenkins slave nodes
- Support a robust build and delivery system by implementing basic infrastructure as code solutions in configuration management tools such as Ansible

In Detail

With the software industry becoming more and more competitive, organizations are now integrating delivery automation and automated quality assurance practices into their business model. Jenkins represents a complete automation orchestration system, and can help converge once segregated groups into a cohesive product development and delivery team. By mastering the Jenkins platform and learning to architect and implement Continuous Integration, Continuous Delivery, and Continuous Deployment solutions, your organization can learn to outmanoeuvre and outpace the competition.

This book will equip you with the best practices to implement advanced continuous delivery and deployment systems in Jenkins. The book begins with giving you high-level architectural fundamentals surrounding Jenkins and Continuous Integration. You will cover the different installation scenarios for Jenkins, and see how to install it as a service, as well as the advanced XML configurations. Then, you will proceed to learn

more about the architecture and implementation of the Jenkins Master/Save node system, followed by creating and managing Jenkins build jobs effectively. Furthermore, you'll explore Jenkins as an automation orchestration system, followed by implementing advanced automated testing techniques. The final chapters describe in depth the common integrations to Jenkins from third-party tools such as Jira, Artifactory, Amazon EC2, and getting the most out of the Jenkins REST-based API.

By the end of this book, you will have all the knowledge necessary to be the definitive resource for managing and implementing advanced Jenkins automation solutions for your organization.

Style and approach

This book is a step-by-step guide to architecting and implementing automated build solutions, automated testing practices, and automated delivery methodologies. The topics covered are based on industry-proven techniques, and are explained in a simple and easy to understand manner.

Download Mastering Jenkins ...pdf

Read Online Mastering Jenkins ...pdf

Download and Read Free Online Mastering Jenkins Jonathan McAllister

---

From reader reviews:

Alexander Macdougall:

Reading a guide can be one of a lot of action that everyone in the world enjoys. Do you like reading book and so. There are a lot of reasons why people love it. First reading a publication will give you a lot of new data. When you read a reserve you will get new information since book is one of numerous ways to share the information or maybe their idea. Second, looking at a book will make you more imaginative. When you reading a book especially hype book the author will bring you to definitely imagine the story how the people do it anything. Third, you are able to share your knowledge to some others. When you read this Mastering Jenkins, it is possible to tells your family, friends in addition to soon about yours book. Your knowledge can inspire the others, make them reading a guide.

James Smith:

A lot of people always spent their particular free time to vacation or go to the outside with them household or their friend. Were you aware? Many a lot of people spent many people free time just watching TV, or maybe playing video games all day long. If you need to try to find a new activity honestly, that is look different you can read any book. It is really fun for you. If you enjoy the book which you read you can spent the whole day to reading a e-book. The book Mastering Jenkins it is quite good to read. There are a lot of those who recommended this book. They were enjoying reading this book. In the event you did not have enough space to develop this book you can buy the particular e-book. You can m0ore easily to read this book from your smart phone. The price is not very costly but this book possesses high quality.

Charles Smith:

Reading can called head hangout, why? Because if you find yourself reading a book mainly book entitled Mastering Jenkins your head will drift away trough every dimension, wandering in every single aspect that maybe unfamiliar for but surely can be your mind friends. Imaging each and every word written in a guide then become one type conclusion and explanation which maybe you never get just before. The Mastering Jenkins giving you a different experience more than blown away your mind but also giving you useful info for your better life with this era. So now let us show you the relaxing pattern at this point is your body and mind will likely be pleased when you are finished reading through it, like winning a sport. Do you want to try this extraordinary paying spare time activity?

Todd Goff:

In this particular era which is the greater man or who has ability to do something more are more precious than other. Do you want to become one of it? It is just simple strategy to have that. What you need to do is just spending your time almost no but quite enough to experience a look at some books. Among the books in the top checklist in your reading list is usually Mastering Jenkins. This book and that is qualified as The Hungry Hillsides can get you closer in turning into precious person. By looking up and review this guide you can get many advantages.

Download and Read Online Mastering Jenkins Jonathan McAllister #5NY3JOM8FCK

Read Mastering Jenkins by Jonathan McAllister for online ebook

Mastering Jenkins by Jonathan McAllister Free PDF d0wnl0ad, audio books, books to read, good books to read, cheap books, good books, online books, books online, book reviews epub, read books online, books to read online, online library, greatbooks to read, PDF best books to read, top books to read Mastering Jenkins by Jonathan McAllister books to read online.

Online Mastering Jenkins by Jonathan McAllister ebook PDF download

Mastering Jenkins by Jonathan McAllister Doc

Mastering Jenkins by Jonathan McAllister Mobipocket

Mastering Jenkins by Jonathan McAllister EPub