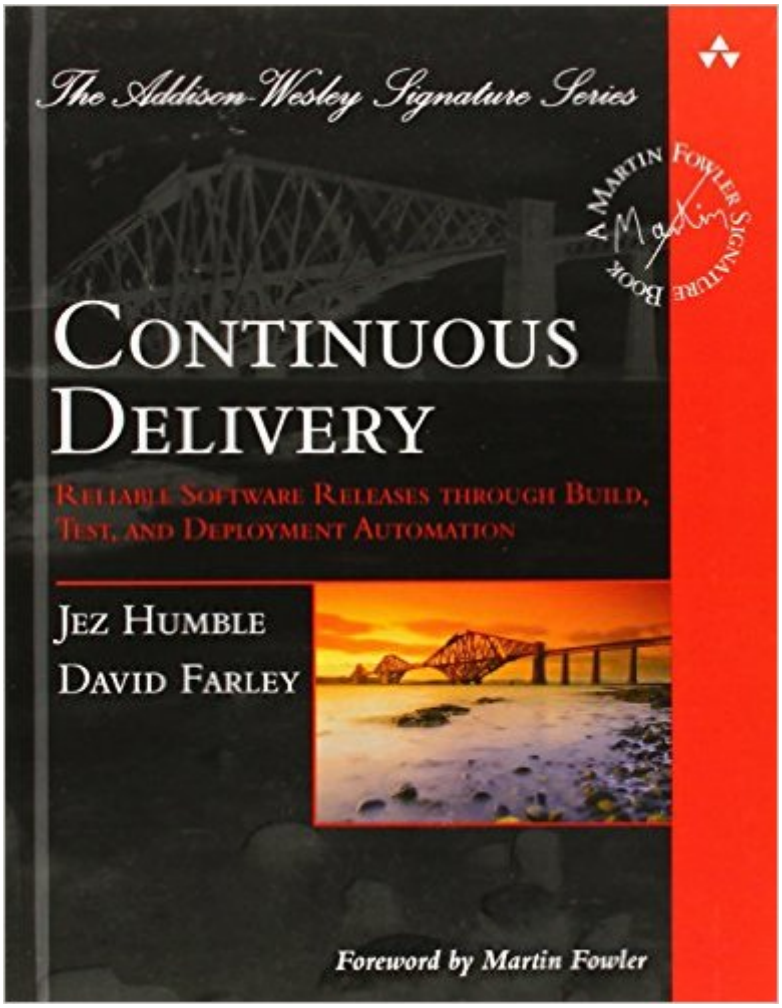
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Continuous Delivery: Reliable Software Releases Through Build, Test, And Deployment Automation (Addison-Wesley Signature Series (Fowler))




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Synopsis

Winner of the 2011 Jolt Excellence Award! Getting software released to users is often a painful, risky, and time-consuming process. This groundbreaking new book sets out the principles and technical practices that enable rapid, incremental delivery of high quality, valuable new functionality to users. Through automation of the build, deployment, and testing process, and improved collaboration between developers, testers, and operations, delivery teams can get changes released in a matter of hoursÃ¢â ¬â • sometimes even minutesÃ¢â ¬â œno matter what the size of a project or the complexity of its code base. Ã Â Jez Humble and David Farley begin by presenting the foundations of a rapid, reliable, low-risk delivery process. Next, they introduce the Ã¢â ¬Å“deployment pipeline,Ã¢â ¬Â• an automated process for managing all changes, from check-in to release. Finally, they discuss the Ã¢â ¬Å“ecosystemÃ¢â ¬Â• needed to support continuous delivery, from infrastructure, data and configuration management to governance. Ã Â The authors introduce state-of-the-art techniques, including automated infrastructure management and data migration, and the use of virtualization. For each, they review key issues, identify best practices, and demonstrate how to mitigate risks. Coverage includes Ã Â Ã¢â ¬Â¢ Automating all facets of building, integrating, testing, and deploying software Ã¢â ¬Â¢ Implementing deployment pipelines at team and organizational levels Ã¢â ¬Â¢ Improving collaboration between developers, testers, and operations Ã¢â ¬Â¢ Developing features incrementally on large and distributed teams Ã¢â ¬Â¢ Implementing an effective configuration management strategy Ã¢â ¬Â¢ Automating acceptance testing, from analysis to implementation Ã¢â ¬Â¢ Testing capacity and other non-functional requirements Ã¢â ¬Â¢ Implementing continuous deployment and zero-downtime releases Ã¢â ¬Â¢ Managing infrastructure, data, components and dependencies Ã¢â ¬Â¢ Navigating risk management, compliance, and auditing Ã Â Whether youÃ¢â ¬â„¢re a developer, systems administrator, tester, or manager, this book will help your organization move from idea to release faster than everÃ¢â ¬â •so you can deliver value to your business rapidly and reliably. Ã Â

Book Information

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Customer Reviews

Ã¢â ¬Å“If you need to deploy software more frequently, this book is for you. Applying it will help you reduce risk, eliminate tedious work, and increase confidence. IÃ¢â ¬â„¢ll be using the principles and practices here on all my current projects.Ã¢â ¬Â• Ã¢â ¬â œKent Beck, Three Rivers Institute Ã Â Ã¢â ¬Å“Whether or not your software development team already understands that continuous integration is every bit as necessary as source code control, this is required reading. This book is unique in tying the whole development and delivery process together, providing a philosophy and principles, not just techniques and tools. The authors make topics from test automation to automated deployment accessible to a wide audience. Everyone on a development team, including programmers, testers, Ã Â system administrators, DBAs, and managers, needs to read this book.Ã¢â ¬Â• Ã¢â ¬â œLisa Crispin, co-author of Agile Testing Ã Â Ã¢â ¬Å“For many organizations Continuous Delivery isnÃ¢â ¬â„¢t just a deployment methodology, itÃ¢â ¬â„¢s critical to doing business. This book shows you how to make Continuous Delivery an effective reality in your environment.Ã¢â ¬Â• Ã¢â ¬â œJames Turnbull, author of Pulling Strings with Puppet Ã Â Ã¢â ¬Å“A clear, precise, well-written book that gives readers an idea of what to expect for the release process. The authors give a step-by-step account of expectations and hurdles for software deployment. This book is a necessity for any software engineerÃ¢â ¬â„¢s library.Ã¢â ¬Â• Ã¢â ¬â œLeyna Cotran, Institute for Software Research, University of California, Irvine Ã Â Ã¢â ¬Å“Humble and Farley illustrates what makes fast-growing web applications successful. Continuous deployment and delivery has gone from controversial to commonplace and this book covers it excellently. ItÃ¢â ¬â„¢s truly the intersection of development and operations on many levels, and these guys nailed it.Ã¢â ¬Â• Ã¢â ¬â œJohn Allspaw, VP Technical Operations, Etsy.com and author of Ã Â The Art of Capacity Planning and Web Operations Ã¢â ¬Å“If you are in the business of building and delivering a software-based service, you would be well served to

internalize the concepts that are so clearly explained in Continuous Delivery. But going beyond just the concepts, Humble and Farley provide an excellent playbook for rapidly and reliably delivering change.Ã¢â ¬Â• Ã¢â ¬â œDamon Edwards, President of DTO Solutions and co-editor of dev2ops.org Ã Â Ã¢â ¬Å“I believe that anyone who deals with software releases would be able to pick up this book, go to any chapter and quickly get valuable information; or read the book from cover to cover and be able to streamline their build and deploy process in a way that makes sense for their organization. In my opinion, this is an essential handbook for building, deploying, testing, and releasing software.Ã¢â ¬Â• Ã¢â ¬â œSarah Edrie, Director of Quality Engineering, Harvard Business School Ã Â Ã¢â ¬Å“Continuous Delivery is the logical next step after Continuous Integration for any modern software team. This book takes the admittedly ambitous goal of constantly delivering valuable software to customers, and makes it achievable through a set of clear, effective principles and practices.Ã¢â ¬Â• Ã¢â ¬â œRob Sanheim, Principal at Relevance, Inc.

Getting software released to users is often a painful, risky, and time-consuming process. This groundbreaking new book sets out the principles and technical practices that enable rapid, incremental delivery of high quality, valuable new functionality to users. Through automation of the build, deployment, and testing process, and improved collaboration between developers, testers, and operations, delivery teams can get changes released in a matter of hours- sometimes even minutes-no matter what the size of a project or the complexity of its code base. Jez Humble and David Farley begin by presenting the foundations of a rapid, reliable, low-risk delivery process. Next, they introduce the "deployment pipeline," an automated process for managing all changes, from check-in to release. Finally, they discuss the "ecosystem" needed to support continuous delivery, from infrastructure, data and configuration management to governance. The authors introduce state-of-the-art techniques, including automated infrastructure management and data migration, and the use of virtualization. For each, they review key issues, identify best practices, and demonstrate how to mitigate risks. Coverage includes - Automating all facets of building, integrating, testing, and deploying software - Implementing deployment pipelines at team and organizational levels - Improving collaboration between developers, testers, and operations - Developing features incrementally on large and distributed teams - Implementing an effective configuration management strategy - Automating acceptance testing, from analysis to implementation - Testing capacity and other non-functional requirements - Implementing continuous deployment and zero-downtime releases - Managing infrastructure, data, components and dependencies - Navigating risk

management, compliance, and auditing Whether you’re a developer, systems administrator, tester, or manager, this book will help your organization move from idea to release faster than ever-so you can deliver value to your business rapidly and reliably.

Excellent book that describes and explains Continuous Integration/Delivery in clear and concise terminology with real-world examples.The authors show that they have operated at the coal face, so to speak, and always provide both sides to their arguments/propositions.It’s clear that operating in cross-functional teams and deploying in an iterative, automated manner is the most efficient, safest and secure manner in deploying applications. This is contrary to how many folk have previously talked about securely deploying software :)

When I started reading this book, the ideas it presented were much like the policies and procedures we already employ. Further reading revealed some ideas we really need to explore and hopefully execute. My experience has been with teams spending too much time thinking about how to solve issues, and then rolling out home grown solutions. I’ve worked with some REALLY SMART people, who can solve problems and roll out good solutions in a fairly efficient manner. I think we could save significant time by stealing the ideas from this book.Perhaps the most valuable thing this book gives me is validation for processes I’ve been begging to get done where I work. That alone saves time in the decision making process.Love it!

Reading through this can be like a fire hose of ideas to improve your work flows.But to be successful, I’ve found with reading a chapter, find just one thing in the chapter you can do to change your job for the better. Learn that one thing and do that one change until it becomes "the way" you do things.Trying to change five things at once is probably too much to take on. But making one positive change at a time is an easily obtainable goal. Then go back and review the chapter or different chapter and pick another change to implement. Then rinse and repeat.

I’m re-reading this before I dive into jez’s newer ’lean enterprise’ book. I’d recommend this, Michael Nygard’s ’Release It!’, Eric Evan’s ’Domain Driven Design’ as the way modern software is written

For a textbook, I actually find this one to be quite good. It provides a pretty thorough conceptual overview of continuous integration, and although my background in software development/deployment is pretty weak, this book has at least allowed me to grasp the

fundamentals.

This book does a good job of explaining the concepts behind continuous delivery including why it is so important to software projects. It also gives some really great examples related to software you can use to implement Continuous Delivery concepts. My biggest negative to the book is that a lot of the information repeats itself over and over. I feel like the book could have been much shorter and a much easier read without all of the redundant information.

This book is one of those game changers that comes along every once in a decade. The concepts described in it are well thought out and implementable. The foundational idea behind the book will transform your IT organization if you implement it fully.I’m generally of the opinion that most of what you need to learn about IT can be done around the Internet, and I rarely buy a book about IT anymore; however, this one is on my bookshelf....well my Kindle, but you know what I mean.Get it, read it, learn it, implement it, succeed.

// , Our technical lead was very impressed when I got him this as a present.Even reading the table of contents to look for a topic that interests you is worth it.When making decisions about ACL stuff, it is a valuable reference.

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