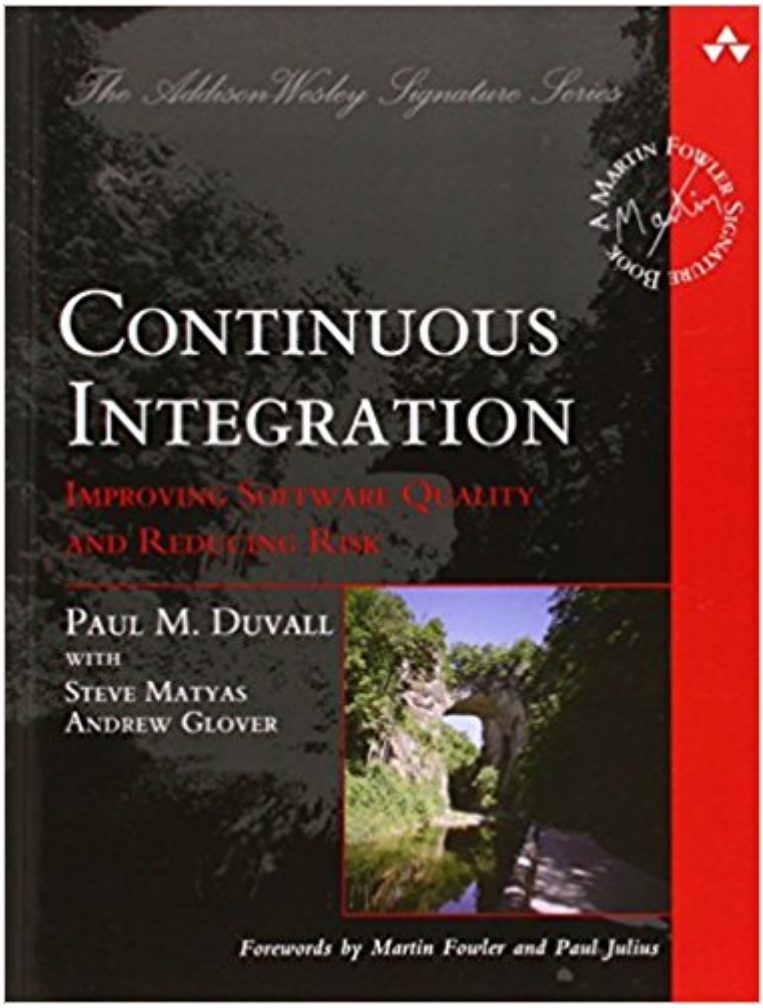
Continuous Integration: Improving Software Quality And Reducing Risk



Synopsis

For any software developer who has spent days in â œintegration hell,â • cobbling together myriad software components, Continuous Integration: Improving Software Quality and Reducing Risk illustrates how to transform integration from a necessary evil into an everyday part of the development process. The key, as the authors show, is to integrate regularly and often using continuous integration (CI) practices and techniques. Â The authors first examine the concept of CI and its practices from the ground up and then move on to explore other effective processes performed by CI systems, such as database integration, testing, inspection, deployment, and feedback. Through more than forty CI-related practices using application examples in different languages, readers learn that CI leads to more rapid software development, produces deployable software at every step in the development lifecycle, and reduces the time between defect introduction and detection, saving time and lowering costs. With successful implementation of CI, developers reduce risks and repetitive manual processes, and teams receive better project visibility. Â The book covers How to make integration a â œnon-eventâ • on your software development projects How to reduce the amount of repetitive processes you perform when building your software Practices and techniques for using CI effectively with your teams Reducing the risks of late defect discovery, low-quality software, lack of visibility, and lack of deployable software Assessments of different CI servers and related tools on the market The bookâ ™s companion Web site, www.integratebutton.com, provides updates and code examples. Â

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Customer Reviews

For any software developer who has spent days in "integration hell," cobbling together myriad software components, "Continuous Integration: Improving Software Quality and Reducing Risk" illustrates how to transform integration from a necessary evil into an everyday part of the development process. The key, as the authors show, is to integrate regularly and often using continuous integration (CI) practices and techniques. The authors first examine the concept of CI and its practices from the ground up and then move on to explore other effective processes performed by CI systems, such as database integration, testing, inspection, deployment, and feedback. Through more than forty CI-related practices using application examples in different languages, readers learn that CI leads to more rapid software development, produces deployable software at every step in the development lifecycle, and reduces the time between defect introduction and detection, saving time and lowering costs. With successful implementation of CI, developers reduce risks and repetitive manual processes, and teams receive better project visibility. The book covers How to make integration a "non-event" on your software development projects How to reduce the amount of repetitive processes you perform when building your software Practices and techniques for using CI effectively with your teams Reducing the risks of late defect discovery, low-quality software, lack of visibility, and lack of deployable software Assessments of different CI servers and related tools on the market The book’s companion Web site, www.integratebutton.com, provides updates and code examples.

Paul Duvall is the CEO of Stelligent, a firm that helps clients create production-ready software every day. A featured speaker at many leading software conferences, he has worked in virtually every role on software projects: developer, project manager, architect, and tester. He is the principal author of Continuous Integration: Improving Software Quality and Reducing Risk (Addison-Wesley, 2007), a 2008 Jolt Award Winner. Paul contributed to the UML 2 Toolkit (Wiley, 2003), writes a series for IBM developerWorks called Automation for the people, and contributed a chapter to No Fluff Just Stuff Anthology: The 2007 Edition (Pragmatic Programmers, 2007). He is passionate about automating software development and release processes and actively blogs on IntegrateButton.com and TestEarly.com. Stephen M. Matyas III is vice president of AutomateIT, a service branch of 5AM Solutions. He has a varied background in applied software engineering, with much of his professional, hands-on experience being in the areas of enterprise Java and custom software

development and services. Andrew Glover, president of Stelligent Incorporated, is a frequent speaker at conferences throughout North America, as well as author and coauthor of many books and online articles.

This book is great, there is no doubt about that. After reading this you walk away with knowledge that most of your peers may know a little bit about . However not to this extent. I see this book as more of a guide, and if your company even tries to establish a good process without this knowledge, this fills the gaps in pretty good. It turned out on one of the projects I'm on, we are very close to CI, but nobody knows the depth of it to act on it appropriately. This book walks you through, and breaking down each step of the process, has you examine your current situation at every step, then you can apply principles presented where appropriate. Even though this book is dated, it is still a gem, and do not let that discourage you one bit. If your suffering from poor development process, this book will help take your company to the next level.It was tough to give it 4 stars, when it really deserves 5 for the quality of information. The reason I give it 4, is because things are repeated way too much. For example ("CI is great because you can do this, this, and this"), couple pages later ("CI is great because you can do "this", "this" and "this"). I found this a bit annoying being told the same thing again and again.

The book is very practical, concerning the real activities needed to implement continuous integration. It is recommended mainly to beginners in the area. The main ideas are extensively presented with good real life examples and tools.The reader must have some pre-requisites, like knowing about version control tools and the whole deploying process.

Continuous Integration does a good job of explaining the basics of building a CI system and offers good advice on getting in the groove of CI and staying there. All the examples are heavy on ant and other Java-centric tools. But, the underlying concepts come through pretty well and can be applied to other stacks.

So far so good. Enjoyed reading it 4 star for now as Im only half the book. Ill update my review after

This book was very informative for person in IT managerial and above. It addresses how to leverage development and build for future environment. I shared this book with my Director whom also was glad that I shared. This is the only book I have purchase that I felt would make a difference to my

company by sharing. This book audience should be focus on companys who have not fully jumped on the SOA bandwagon. Being in IT for 25 years, it was nice to get an idea from non-bias source as to how to integrate with little risk.

The book provides a clear outline for building a CI process. Most of the book has a strong Java bent. The book is worth a read, but doesn't help in retrofitting the process. The book always assumes you are building software the CI from scratch.

nice!

Extremely good insight into the world of CI, especially if you are new.Lot's of good, objective views on tools and implementation designs too.

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