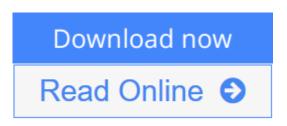# Lean-Agile Software Development: Achieving Enterprise Agility

By Alan Shalloway, Guy Beaver, James R. Trott

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Agile techniques have demonstrated immense potential for developing more effective, higher-quality software. However,scaling these techniques to the enterprise presents many challenges. The solution is to integrate the principles and practices of Lean Software Development with Agile's ideology and methods. By doing so, software organizations leverage Lean's powerful capabilities for "optimizing the whole" and managing complex enterprise projects.

A combined "Lean-Agile" approach can dramatically improve both developer productivity and the software's business value.In this book, three expert Lean software consultants draw from their unparalleled experience to gather all the insights, knowledge, and new skills you need to succeed with Lean-Agile development.

Lean-Agile Software Development shows how to extend Scrum processes with an Enterprise view based on Lean principles. The authors present crucial technical insight into emergent design, and demonstrate how to apply it to make iterative development more effective. They also identify several common development "anti-patterns" that can work against your goals, and they offer actionable, proven alternatives.

Lean-Agile Software Development shows how to

- Transition to Lean Software Development quickly and successfully
- Manage the initiation of product enhancements
- Help project managers work together to manage product portfolios more effectively
- Manage dependencies across the software development organization and with its partners and colleagues
- Integrate development and QA roles to improve quality and eliminate waste
- Determine best practices for different software development teams

The book's companion Web site, www.netobjectives.com/lasd, provides updates, links to related materials, and support
for discussions of the book's content.

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- Sales Rank: #998821 in Books
- Published on: 2009-11-01
- Released on: 2009-10-22
- Original language: English

- Number of items: 1
- Dimensions: 9.00" h x .90" w x 6.90" l, 1.05 pounds
- Binding: Paperback
- 304 pages

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Editorial Review

Review

"This book is a timely addition to our Agile body of knowledge. Very little has been said to date about how we scale Agile software projects beyond the single team. The authors do an excellent job of explaining the foundations of Lean thinking and how these concepts can be applied across the enterprise. Lean is the key to scaling Agile projects, and this book provides the foundational knowledge you need to make it happen."
–Mike Cottmeyer, product consultant and Agile evangelist, VersionOne

"The book brings a pragmatic approach to the difficult transition from early adoption of Agile practices to enabling product development. It is thought provoking in the context of the teams I am currently coaching, and it highlights a number of areas for improvement. I would recommend this book to anyone who is coaching an enterprise-wide Lean-Agile transformation."
–Kay Johnson, PMP, Agile development consultant and project manager

"The ideas from the Toyota Production System and Lean manufacturing in general are gradually making their way into the world of software development, and this book provides both a gentle introduction to those unfamiliar with Agile/Lean as well as more advanced material for those who are already practitioners in this area. Worth reading."
–Mark Needham, application developer, ThoughtWorks

"For a good few years, when asking why Agile approaches work, we got the response 'It's empirical. We tried things and kept the ones that worked.' Now people have applied theory from the Lean body of knowledge, and it tells us why Agile approaches work. Using this theory, we can make well-reasoned choices about what changes to our ways of working would be improvements, overall. This book is about this synergy between Lean and Agile. For those who believe in magic, find an empirical guru to believe. For the rationalists among us, here's a good book for you."
–Paul Oldfield, Capgemini

"This book is a worthy roadmap to a successful adoption of Lean-Agile development and management. You can see in every detail the authors have on-the-job experience. The way they write shows their enthusiasm for Lean, and this motivates the reader to follow the principles and practices in the book. I had a great time reading this book and I am using it daily as a reference."
–Domingo Chabalgoit , independent IT consultant

"There are many sources of information for Agile software development and Lean systems thinking. Until now, attempts to merge the two have often resulted in frustration, delays, quality issues, and budget overruns. Lean-Agile Software Development is the roadmap to achieving success using Lean-Agile techniques and applying them throughout the enterprise and product-development life cycle."
–Bob Bogetti, lead system designer, Baxter Healthcare

From the Back Cover
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About the Author
Alan Shalloway is the founder and CEO of Net Objectives. With almost 40 years of experience, Alan is an industry thought leader. He helps companies transition to Lean and Agile methods enterprise-wide as well teaches courses in Lean, Kanban, Scrum, Design Patterns, and Object-Orientation. Alan has developed training and coaching methods for Lean-Agile that have helped his clients achieve long-term, sustainable productivity gains. He is a popular speaker at prestigious conferences worldwide. He is the primary author of *Design Patterns Explained: A New Perspective on Object-Oriented Design*, *Lean-Agile Pocket Guide for Scrum Teams*, *Lean-Agile Software Development: Achieving Enterprise Agility* and is currently writing *Essential Skills for the Agile Developer*. He has a Master of Science in Computer Science from MIT as well as a Master of Science in Mathematics from Emory University.

 Guy Beaver is Vice-President, Enterprise Engagements and a senior consultant for Net Objectives. He is a technology executive with a track record of success in Lean-Agile implementations in large, mid-sized, and start-up organizations. He is a recognized expert in Lean, Agile, and Scrum technical development with a proven ability to lead, manage, and motivate organizations to realize significant productivity and quality improvements. He has over 25 years of experience in Software Engineering and IT across several industries including financial services, defense, and healthcare. Guy has a Master of Science in Physics from Wake Forest University.

James R. Trott is a senior consultant for Net Objectives. He has used object-oriented and pattern-based analysis techniques throughout his 20-year career in knowledge management and knowledge engineering. He is the co-author of *Design Patterns Explained: A New Perspective on Object-Oriented Design*, *Lean-Agile Software Development: Achieving Enterprise Agility*, and the *Lean-Agile Pocket Guide for Scrum Teams*. He is a trainer and coach in the area of reflective practices, knowledge management, and process improvement and is a knowledge management consultant for international relief and development agencies. He has a Master of Science in Applied Mathematics and a Master of Business Administration from the University of Oklahoma and a Master of Arts in Intercultural Studies from Hope International University. An Associate Technical Fellow of a large aerospace company, he has also worked in the energy industry, banking and

finance, software development, and artificial intelligence.

Users Review

From reader reviews:

Pamela Steele:

This Lean-Agile Software Development: Achieving Enterprise Agility book is not really ordinary book, you have it then the world is in your hands. The benefit you receive by reading this book is usually information inside this e-book incredible fresh, you will get facts which is getting deeper a person read a lot of information you will get. This Lean-Agile Software Development: Achieving Enterprise Agility without we recognize teach the one who reading it become critical in imagining and analyzing. Don't be worry Lean-Agile Software Development: Achieving Enterprise Agility can bring any time you are and not make your bag space or bookshelves' come to be full because you can have it in your lovely laptop even cell phone. This Lean-Agile Software Development: Achieving Enterprise Agility having good arrangement in word in addition to layout, so you will not experience uninterested in reading.

Julia Hale:

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Thomas Hayden:

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Lena Garcia:

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character on there. Therefore not at all of book are usually make you bored, any it offers you feel happy, fun and chill out. Try to choose the best book for you personally and try to like reading that.

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