

Agile Product Management Box Set Scaled Agile Scrum Nexus Scrum Of Scrums Scaled Agile Scrum Master Scrum Of Scrums Agile Software Development Agile Program Management

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Research Anthology on Agile Software, Software Development, and Testing - Management Association, Information Resources 2021-11-26

Software development continues to be an ever-evolving field as organizations require new and innovative programs that can be implemented to make processes more efficient, productive, and cost-effective. Agile practices particularly have shown great benefits for improving the effectiveness of software development and its maintenance due to their ability to adapt to change. It is integral to remain up to date with the most emerging tactics and techniques involved in the development of new and innovative software. The Research Anthology on Agile Software, Software Development, and Testing is a comprehensive resource on the emerging trends of software development and testing. This text discusses the newest developments in agile software and its usage spanning multiple industries. Featuring a collection of insights from diverse authors, this research anthology offers international perspectives on agile software. Covering topics such as global software engineering, knowledge management, and product development, this comprehensive resource is valuable to software developers, software engineers, computer engineers, IT directors, students, managers, faculty, researchers, and academicians.

The Nexus Framework for Scaling Scrum - Kurt Bittner 2017-12-04

Improve and Accelerate Software Delivery for Large, Distributed, Complex Projects The Nexus Framework is the simplest, most effective approach to applying Scrum at scale across multiple teams, sites, and time zones. Created by Scrum.org—the pioneering Scrum training and certification organization founded by Scrum co-creator Ken Schwaber—Nexus draws on decades of experience to address the unique challenges teams face in coming together, sharing work, and managing and minimizing dependencies. The Nexus™ Framework for Scaling Scrum is a concise book that shows how Nexus helps teams to deliver a complex, multi-platform, software-based product in short, frequent cycles, without sacrificing consistency or quality, and without adding unnecessary complexity or straying from Scrum’s core principles. Using an extended case study, the authors illustrate how Nexus helps teams solve common scaling challenges like reducing cross-team dependencies, preserving team self-organization and transparency, and ensuring accountability. Understand the challenges of delivering working, integrated product increments with multiple teams, and how Nexus addresses them Form a Nexus around a new or existing product and learn how that Nexus sets goals and plans its work Run Sprints within a Nexus, provide transparency into progress, conduct effective Nexus Sprint reviews, and use Nexus Sprint Retrospectives to continuously improve Overcome the distributed team collaboration challenges

Safe 5.0 Distilled: Achieving Business Agility with the Scaled Agile Framework - RICHARD. LEFFINGWELL KNASTER (DEAN.) 2020-08-08

Balancing Agile and Disciplined Engineering and Management Approaches for IT Services and Software Products - Mora, Manuel 2020-07-10

The highly dynamic world of information technology service management stresses the benefits of the quick and correct implementation of IT services. A disciplined approach relies on a separate set of assumptions and principles as an agile approach, both of which have complicated implementation processes as well as

copious benefits. Combining these two approaches to enhance the effectiveness of each, while difficult, can yield exceptional dividends. Balancing Agile and Disciplined Engineering and Management Approaches for IT Services and Software Products is an essential publication that focuses on clarifying theoretical foundations of balanced design methods with conceptual frameworks and empirical cases. Highlighting a broad range of topics including business trends, IT service, and software development, this book is ideally designed for software engineers, software developers, programmers, information technology professionals, researchers, academicians, and students.

Scaling Agile with Jira Align - Dean MacNeil 2020-11-27

Accelerate business value delivery with Jira Align, the enterprise agile planning platform, by connecting strategy with execution to maximize outcomes Key FeaturesImprove coordination and transparency between multiple programs, products, and business portfoliosIncrease customer satisfaction by responding quickly to ever-evolving customer needsDeliver higher quality products faster and more predictably with real-time insights and OKR trackingBook Description Jira Align is a platform purpose-built for enterprises to connect strategy with execution and drive transparency, consistency, and predictability at all levels of scale. The platform supports business value delivery in agile frameworks such as LeSS, DAD, and SAFe. It also caters to organizations that mix agile with waterfall to support scaled bimodal delivery. Starting with an introduction to the platform and its features, this book takes you through the foundational building blocks of Jira Align. You’ll learn how an organization can benefit from implementing Jira Align and understand how to connect dimensions such as people, work, time, and outcomes. The book takes you through the typical steps for implementing Jira Align for maximizing outcomes and helps you solve common team, program, and portfolio-level challenges by enhancing visibility, tracking dependencies and risks, and using reports for real-time, distributed decision making. Throughout the book, you’ll explore features such as remote agile ceremonies, live roadmaps, and objectives and key results (OKRs). You’ll also get to grips with lean portfolio management, financial reporting, and using the program board for planning and execution. By the end of this book, you’ll be well versed in the key features of Jira Align and be able to leverage them to support all levels of agile at scale. What you will learnUnderstand Jira Align’s key factors for successFind out how you can connect people, work, time, and outcomes with Jira AlignNavigate and collaborate in Jira AlignScale team agility to the portfolio and enterpriseDelve into planning and execution, including roadmaps and predictability metricsImplement lean portfolio management and OKRsGet to grips with handling bimodal and hybrid deliveryEnable advanced data security and analytics in Jira AlignWho this book is for This book is for portfolio managers, program managers, product managers, product owners, executives, release train engineers, and scrum masters who want to empower their teams to deliver the right things at the right time and quickly respond to changes in the market. Familiarity with agile frameworks and Jira Software is necessary; the book will teach you the rest.

SAFe 4.5 Distilled - Richard Knaster 2018-07-20

SAFe®: The World’s Leading Framework for Enterprise Agility “Philips is continuously driving to develop high-quality software in a predictable, fast, and Agile way. SAFe addresses this primary goal, and offers these further benefits: reduced time-to-market, improved quality, stronger alignment across geographically

distributed multi-disciplinary teams, and collaboration across teams to deliver meaningful value to customers with reduced cycle time.” —Sundaresan Jagadeesan, SW CoE Program Director, Philips To succeed in today’s adapt-or-die marketplace, businesses must be able to rapidly change the way they create and deliver value to their customers. Hundreds of the world’s most successful companies—including Intel, Capital One, AstraZeneca, Cisco, and Philips—have turned to the Scaled Agile Framework® (SAFe®) to achieve agility at scale and maintain a competitive edge. SAFe® 4.5 Distilled: Applying the Scaled Agile Framework® for Lean Enterprises explains how adopting SAFe can quickly improve time to market and increase productivity, quality, and employee engagement. In this book, you will Understand the business case for SAFe: its benefits, the problems it solves, and how to apply it Get an overview of SAFe across all parts of the business: team, program, value stream, and portfolio Learn why SAFe works: the power of SAFe’s Lean-Agile mindset, values, and principles Discover how systems thinking, Agile development, and Lean product development form the underlying basis for SAFe Learn how to become a Lean-Agile leader and effectively drive an enterprise-wide transformation Register your book for convenient access to downloads, updates, and/or corrections as they become available. See inside book for details.

Agile Project Management - James Turner 2020-04-19

Are you a project manager who wants to improve the projects you are working on? Do you want to continuously improve the efficiency of the team that is working for you? You can do it with this book. Project managing anything can be a time-consuming and frustrating business, especially when old and outdated methods are used to complete the job. You know that there is a better solution and you know that it will improve your ability to deliver. This book, *Agile Project Management: The Ultimate Intermediate Guide to Learn Agile Project Management Step by Step*, follows on from the beginner’s guide to agile project management, by increasing your knowledge and abilities with chapters that focus on:

- The basic principles of agile project management
- How it can be adopted across industries
- Tracking and reporting projects
- Estimation and planning
- Valuable resources for agile professionals
- And more...

Agile Project Management is perfect for those with a little knowledge of the subject and will help you to expand that much further. When you develop your project management skills using the agile method you discover that projects run more smoothly than ever before, and you provide a much better product for your clients. Get a copy now and see how it will improve your projects!

Large-Scale Scrum - Craig Larman 2016-09-23

In *Large-Scale Scrum*, Craig Larman and Bas Vodde offer the most direct, concise, actionable guide to reaping the full benefits of agile in distributed, global enterprises. Larman and Vodde have distilled their immense experience helping geographically distributed development organizations move to agile. Going beyond their previous books, they offer today’s fastest, most focused guidance: “brass tacks” advice and field-proven best practices for achieving value fast, and achieving even more value as you move forward. Targeted to enterprise project participants and stakeholders, *Large-Scale Scrum* offers straight-to-the-point insights for scaling Scrum across the entire project lifecycle, from sprint planning to retrospective. Larman and Vodde help you: Implement proven Scrum frameworks for large-scale developments Scale requirements, planning, and product management Scale design and architecture Effectively manage defects and interruptions Integrate Scrum into multisite and offshore projects Choose the right adoption strategies and organizational designs This will be the go-to resource for enterprise stakeholders at all levels: everyone who wants to maximize the value of Scrum in large, complex projects.

Data-Centric Business and Applications - Aneta Poniszewska-Marańda 2019-12-14

This book explores various aspects of software creation and development as well as data and information processing. It covers relevant topics such as business analysis, business rules, requirements engineering, software development processes, software defect prediction, information management systems, and knowledge management solutions. Lastly, the book presents lessons learned in information and data management processes and procedures.

Scaling Lean & Agile Development - Craig Larman 2008-12-08

Lean Development and Agile Methods for Large-Scale Products: Key Thinking and Organizational Tools for Sustainable Competitive Success Increasingly, large product-development organizations are turning to lean thinking, agile principles and practices, and large-scale Scrum to sustainably and quickly deliver value and

innovation. However, many groups have floundered in their practice-oriented adoptions. Why? Because without a deeper understanding of the thinking tools and profound organizational redesign needed, it is as though casting seeds on to an infertile field. Now, drawing on their long experience leading and guiding large-scale lean and agile adoptions for large, multisite, and offshore product development, and drawing on the best research for great team-based agile organizations, internationally recognized consultant and best-selling author Craig Larman and former leader of the agile transformation at Nokia Networks Bas Vodde share the key thinking and organizational tools needed to plant the seeds of product development success in a fertile lean and agile enterprise. Coverage includes Lean thinking and development combined with agile practices and methods Systems thinking Queuing theory and large-scale development processes Moving from single-function and component teams to stable cross-functional cross-component Scrum feature teams with end-to-end responsibility for features Organizational redesign to a lean and agile enterprise that delivers value fast Large-scale Scrum for multi-hundred-person product groups In a competitive environment that demands ever-faster cycle times and greater innovation, applied lean thinking and agile principles are becoming an urgent priority. *Scaling Lean & Agile Development* will help leaders create the foundation for their lean enterprise—and deliver on the significant benefits of agility. In addition to the foundation tools in this text, see the companion book *Practices for Scaling Lean & Agile Development: Large, Multisite, and Offshore Product Development with Large-Scale Scrum* for complementary action tools.

Agile Product Management with Scrum - Roman Pichler 2010-03-11

The First Guide to Scrum-Based Agile Product Management In *Agile Product Management with Scrum*, leading Scrum consultant Roman Pichler uses real-world examples to demonstrate how product owners can create successful products with Scrum. He describes a broad range of agile product management practices, including making agile product discovery work, taking advantage of emergent requirements, creating the minimal marketable product, leveraging early customer feedback, and working closely with the development team. Benefitting from Pichler’s extensive experience, you’ll learn how Scrum product ownership differs from traditional product management and how to avoid and overcome the common challenges that Scrum product owners face. Coverage includes Understanding the product owner’s role: what product owners do, how they do it, and the surprising implications Envisioning the product: creating a compelling product vision to galvanize and guide the team and stakeholders Grooming the product backlog: managing the product backlog effectively even for the most complex products Planning the release: bringing clarity to scheduling, budgeting, and functionality decisions Collaborating in sprint meetings: understanding the product owner’s role in sprint meetings, including the dos and don’ts Transitioning into product ownership: succeeding as a product owner and establishing the role in the enterprise This book is an indispensable resource for anyone who works as a product owner, or expects to do so, as well as executives and coaches interested in establishing agile product management.

Enterprise-Scale Agile Software Development - James Schiel 2009-11-18

Enterprise-Scale Agile Software Development is the collective sum of knowledge accumulated during the full-scale transition of a 1400-person organization to agile development—considered the largest implementation of agile development and Scrum ever attempted anywhere in the world. Now James Schiel, a certified Scrum trainer and member of the Scrum Alliance, draws from his experience at the helm of that global four-year project to guide you and your organization through the transition. He lends his insight on how you can use Scrum as an organizational framework and implement XP practices to define how software is written and tested. He provides key information and tools to assess potential outcomes and then make the best corresponding choices in any given situation. Schiel sequences chapters to match typical developmental progression, and in addition to practical guidance, he provides a tool kit from which you can take ideas and select what works for you. Covering quality development practices based on ISO 9001, which help you create consistently high-quality software in a cost-efficient manner, this invaluable resource shows you how to— Improve project management practices and product quality assurance Adopt new management methods and requirements Involve your current customers in development, while inviting new ones Much more than a mere “body of knowledge,” this volume goes beyond standardizing agile and Scrum practices. It breaks up the process into manageable tasks, illustrating how to set the stage for the change,

plan it, and then initiate it. Using the methods and information presented, any organization should be able to achieve a nearly seamless transition to agile.

Scaling Scrum Across Modern Enterprises - Cecil Rupp 2020-08-31

Establish business agility in your organization by applying industry-proven scaling strategies from popular Scrum frameworks such as Scrum of Scrums (SoS), Scrum@Scale, Nexus, Large-Scale Scrum (LeSS), Disciplined Agile, and SAFe Key Features Learn how to be Agile at scale by implementing best practices Understand how Lean-Agile practices are incorporated in Disciplined Agile and the Scaled Agile Framework (SAFe) Customize Scrum and Lean-Agile practices to support portfolio and large product development needs Book Description Scaled Scrum and Lean-Agile practices provide essential strategies to address large and complex product development challenges not addressed in traditional Scrum. This Scrum/ Lean-Agile handbook provides a comprehensive review and analysis of industry-proven scaling strategies that enable business agility on an enterprise scale. Free of marketing hype or vendor bias, this book helps you decide which practices best fit your situation. You'll start with an introduction to Scrum as a lightweight software development framework and then explore common approaches to scaling it for more complex development scenarios. The book will then guide you through systems theory, lean development, and the application of holistic thinking to more complex software and system development activities. Throughout, you'll learn how to support multiple teams working in collaboration to develop large and complex products and explore how to manage cross-team integration, dependency, and synchronization issues. Later, you'll learn how to improve enterprise operational efficiency across value creation and value delivery activities, before discovering how to align product portfolio investments with corporate strategies. By the end of this Scrum book, you and your product teams will be able to get the most value out of Agile at scale, even in complex cyber-physical system development environments. What you will learn Understand the limitations of traditional Scrum practices Explore the roles and responsibilities in a scaled Scrum and Lean-Agile development environment Tailor your Scrum approach to support portfolio and large product development needs Apply systems thinking to evaluate the impacts of changes in the interdependent parts of a larger development and delivery system Scale Scrum practices at both the program and portfolio levels of management Understand how DevOps, test automation, and CI/CD capabilities help in scaling Scrum practices Who this book is for Executives, product owners, Scrum masters, development team members, and other stakeholders who need to learn how to scale Agile to support large, complex projects and large enterprise portfolios and programs will find this book useful. A basic understanding of the values and principles of Agile and the Scrum-based framework for Agile development practices is required before you get started with this Agile Scrum book.

Practices for Scaling Lean & Agile Development - Craig Larman 2010

Proven techniques for scaling agile and lean development to the very largest organizations and projects • Helps companies turn software development into a competitive advantage. • In-depth coverage of requirements, contracts, architecture, design, offshore/multisite development, coordination, planning, and more • Complements the authors' Scaling Lean and Agile Development. • By software legend Craig Larman, author of Applying UML and Patterns Until recently, large organizations and offshore software entities have for the most part resisted agile and lean development, but their potential for saving money and delivering better software can no longer be ignored. Renowned software engineer Craig Larman has spent years helping large organizations succeed with agile and lean approaches. Last year, he and colleague Bas Vodde brought together much of what they've learned in the book Practices for Scaling Lean and Agile Development Now, building on that book's insights, they follow up with concrete practices and roadmaps for successfully applying agile/lean methods to distributed and/or offshore/outsourced development initiatives - no matter how large or complex. Practices for Scaling Lean and Agile Development systematically addresses the make-or-buy issues software organizations face in successfully implementing agile/lean methods, including planning, requirements, contracts, architecture, design, testing, legacy code integration, code inspection, coordination of offshore and multisite projects, and much more. Larman and Vodde offer definitive guidance for transforming large-scale development processes into a powerful competitive advantage - and invaluable assistance for every modern IT executive, manager, and developer.

Crossing the Chasm - Geoffrey A. Moore 2009-03-17

Here is the bestselling guide that created a new game plan for marketing in high-tech industries. Crossing the Chasm has become the bible for bringing cutting-edge products to progressively larger markets. This edition provides new insights into the realities of high-tech marketing, with special emphasis on the Internet. It's essential reading for anyone with a stake in the world's most exciting marketplace.

Agile Project Management with Scrum - Ken Schwaber 2004-02-11

The rules and practices for Scrum—a simple process for managing complex projects—are few, straightforward, and easy to learn. But Scrum's simplicity itself—its lack of prescription—can be disarming, and new practitioners often find themselves reverting to old project management habits and tools and yielding lesser results. In this illuminating series of case studies, Scrum co-creator and evangelist Ken Schwaber identifies the real-world lessons—the successes and failures—culled from his years of experience coaching companies in agile project management. Through them, you'll understand how to use Scrum to solve complex problems and drive better results—delivering more valuable software faster. Gain the foundation in Scrum theory—and practice—you need to: Rein in even the most complex, unwieldy projects Effectively manage unknown or changing product requirements Simplify the chain of command with self-managing development teams Receive clearer specifications—and feedback—from customers Greatly reduce project planning time and required tools Build—and release—products in 30-day cycles so clients get deliverables earlier Avoid missteps by regularly inspecting, reporting on, and fine-tuning projects Support multiple teams working on a large-scale project from many geographic locations Maximize return on investment!

Agile and Lean Program Management - Johanna Rothman 2016-02-05

Scale collaboration, not process. If you're trying to use agile and lean at the program level, you've heard of several approaches, all about scaling processes. If you duplicate what one team does for several teams, you get bloat, not delivery. Instead of scaling the process, scale everyone's collaboration. With autonomy, collaboration, and exploration, teams and program level people can decide how to apply agile and lean to their work. Learn to collaborate around deliverables, not meetings. Learn which measurements to use and how to use those measures to help people deliver more of what you want (value) and less of what you don't want (work in progress). Create an environment of servant leadership and small-world networks. Learn to enable autonomy, collaboration, and exploration across the organization and deliver your product. Scale collaboration with agile and lean program management and deliver your product.

Lean and Agile Project Management - Terra Vanzant Stern, PhD 2020-04-30

When project managers are faced with budget cuts and fewer resources, waste elimination becomes a priority in maintaining effectiveness. This does not mean shortening or abandoning traditional project cycles. In fact, fast results on critical assignments can only be completed with strong plans and a detailed work breakdown structure. The connections, or lack thereof, are what strongly impact performance and quality. Lean and Agile, as covered in this book, are meant to enhance traditional project management, not replace the science. A strong foundation in traditional project management is necessary to appreciate the benefits of adopting Lean and Agile. Lean and Agile Project Management: How to Make Any Project Better, Faster, and More Cost Effective defines the wastes and issues found in project management and demonstrates how they can be addressed by engaging Lean thinking and Agile techniques. This book also: • Shows how to apply Lean principles to project management (PM) • Teaches the application of simple Six Sigma metrics in PM • Discusses the adoption of Agile techniques in PM in order to stay on task and remain flexible • Helps readers discover the theoretical synergies between popular PM programs • Promotes an understanding of how Lean people skills can help a person become a better leader and manager Since the publication of the first edition of this book, the bodies of knowledge have all been systematically updated. In addition, through conducting peer groups and detailed workshops, the Author has simplified many of the basics, and they are now much easier to understand. Essentially, the Author believes traditional project management can benefit from adding Lean and Agile, but she has simplified the model for greater efficiency.

Agile Processes in Software Engineering and Extreme Programming - Philippe Kruchten 2019-05-11

This open access book constitutes the proceedings of the 20th International Conference on Agile Software Development, XP 2019, held in Montreal, QC, Canada, in May 2019. XP is the premier agile software

development conference combining research and practice. It is a hybrid forum where agile researchers, academics, practitioners, thought leaders, coaches, and trainers get together to present and discuss their most recent innovations, research results, experiences, concerns, challenges, and trends. Following this history, for both researchers and seasoned practitioners XP 2019 provided an informal environment to network, share, and discover trends in Agile for the next 20 years The 15 full papers presented in this volume were carefully reviewed and selected from 45 submissions. They were organized in topical sections named: agile adoption, agile practices; large-scale agile; agility beyond IT, and the future of agile.

Agile Product Development - Tathagat Varma 2015-08

Discover what it takes to develop products that blow your users away--and take market share from your competitors. This book will explain how the principles behind agile product development help designers, developers, architects, and product managers create awesome products; and how to look beyond a shiny user interface to build a great product. Most importantly, this book will give you a shared framework for your product development team to collaborate effectively. Product development involves several key activities--including ideation, discovery, design, development, and delivery--and yet too many companies and innovators focus on just a few of them much to the detriment of the product's success in the marketplace. As a result we still continue to see high failure rates in new product development, be it inside organizations or startups. Unfortunately, or rather fortunately, these failures are largely avoidable. In the last fifteen years, advances in agile software development, lean product development, human-centered design, design thinking, lean startups and product delivery have helped improve individual aspects of product development. However, not enough guidance has been available to integrate them in the context of the product development life cycle. Until now. Product developer extraordinaire Tathagat Varma in *Agile Product Development* integrates individual knowledge areas into a field manual for product developers. Organized in the way an idea germinates, sprouts, and grows, the book synthesizes the body of knowledge in a pragmatic way that is more natural to the entire product creation process rather than from individual practices that constitute it. In today's hyper-innovative world, being first to the market, or delivering feature-loaded products, or even offering the latest technology doesn't guarantee success anymore. Sure, those elements are all needed in the right measures, but they are not sufficient by themselves. And getting it right couldn't be more important: Building products that deliver awesome user experiences is the top challenge facing businesses today, especially in a post-Apple world where user experience and design has been elevated to a cult status. What you'll learn How to stimulate creativity and prioritization of ideas in product design How to get early feedback on initial product idea iterations How to design and develop products using sound engineering practices How to apply principles of agility into software delivery Who this book is for Entrepreneurs, designers, developers, product managers, software architects. Table of Contents Chapter 1: Preamble Chapter 2: Discover Chapter 3: Deliberate Chapter 4: Describe Chapter 5: Design Chapter 6: Develop Chapter 7: Deliver

Mastering Disruption and Innovation in Product Management - Christoph Fuchs 2018-09-07

This book is an essential guide or foundational toolkit for anyone who is involved in the process of developing, offering or selling any type of product or service. Based on how to surf on the waves of innovation and the principle of "form follows function" (System Architecture), it introduces and connects concepts like Market Understanding, Design Thinking, Design to Value, Modularization and Agility. It introduces readers to the essence of these main frameworks and provides a toolkit that explains both theoretically and practically when and how to utilize which one. The methods and processes described in this book have all been successfully tested in many industries. They apply in today's market context of high uncertainty, complexity and turbulence, where innovation and disruption are essential. Readers will find answers to two fundamental questions: How can we implement an innovation process and environment that are conducive to successful product design? And, if our products fail to appeal to customers, how can we achieve a major turn-around with regard to product development? A wealth of examples and case studies help readers to benefit from the authors' broad professional experience. Further, lessons learned and conceptual summaries provide valuable shortcuts to the methods and tools discussed. For today's CEOs, enabling innovation is one of THE most complex leadership tasks. But innovation is not about theory and nice buzzwords. It's about succeeding in the real world. This 'hands-on' book connects the dots and

introduces the reader to some of the most relevant ideas and pragmatic concepts fitting today's business reality. Dr. Robert Neuhauser, Executive VP and Global Head People and Leadership Development, Siemens At the most fundamental level this book brings order to chaos. It sets different and highly relevant design approaches into a complementary picture, rather than presenting them as competing ways of solving the same problem. Product designers, managers, consultants, scholars and students will surely have this valuable book within reach on a daily basis. Olivier L. de Weck, Ph.D - MIT Professor of Aeronautics and Astronautics and Engineering Systems, Editor-in-Chief Systems Engineering

The Evolution of Project Management in a Scaled Agile Environment - Kerry Wills 2018-07-27

Over the last few decades, agile delivery methods have been increasing in popularity which has led to scaled agile models that encompass an entire organization. On the surface, these models do not look like they have project management functions or roles. Four key hypotheses will be proposed and explored for how project management concepts, competencies and principles are still needed in scaled agile models and how they need to evolve.

Scaling Software Agility - Dean Leffingwell 2007-02-26

"Companies have been implementing large agile projects for a number of years, but the 'stigma' of 'agile only works for small projects' continues to be a frequent barrier for newcomers and a rallying cry for agile critics. What has been missing from the agile literature is a solid, practical book on the specifics of developing large projects in an agile way. Dean Leffingwell's book *Scaling Software Agility* fills this gap admirably. It offers a practical guide to large project issues such as architecture, requirements development, multi-level release planning, and team organization. Leffingwell's book is a necessary guide for large projects and large organizations making the transition to agile development." —Jim Highsmith, director, Agile Practice, Cutter Consortium, author of *Agile Project Management* "There's tension between building software fast and delivering software that lasts, between being ultra-responsive to changes in the market and maintaining a degree of stability. In his latest work, *Scaling Software Agility*, Dean Leffingwell shows how to achieve a pragmatic balance among these forces. Leffingwell's observations of the problem, his advice on the solution, and his description of the resulting best practices come from experience: he's been there, done that, and has seen what's worked." —Grady Booch, IBM Fellow Agile development practices, while still controversial in some circles, offer undeniable benefits: faster time to market, better responsiveness to changing customer requirements, and higher quality. However, agile practices have been defined and recommended primarily to small teams. In *Scaling Software Agility*, Dean Leffingwell describes how agile methods can be applied to enterprise-class development. Part I provides an overview of the most common and effective agile methods. Part II describes seven best practices of agility that natively scale to the enterprise level. Part III describes an additional set of seven organizational capabilities that companies can master to achieve the full benefits of software agility on an enterprise scale. This book is invaluable to software developers, testers and QA personnel, managers and team leads, as well as to executives of software organizations whose objective is to increase the quality and productivity of the software development process but who are faced with all the challenges of developing software on an enterprise scale.

Agile Project Management in easy steps, 2nd edition - John Carroll 2015-07-29

Agile Project Management in easy steps, now in its second edition, explains the key principles, techniques, and processes to ensure your agile project is a success. This edition of the book has been updated to reflect progress and refinement of agile methods over recent times. It explains the key principles, techniques and processes of agile project management, working through an entire project, explaining the main activities and deliverables including: Pre-project start-up and terms of reference Feasibility assessment and the business case Establishing the foundations for success Iterative development and the evolving solution Implementation and post-project assessment It includes additional coverage of business analysis, user experience, feature-driven development and agile projects in large programmes and enterprises. An essential guide for anyone new to agile projects and a valuable source of inspiration for the more experienced. It also includes downloadable templates to get you started. Chapters: Agile Projects Agile Project Management Scrum DSDM Extreme Programming Lean Development Feature-Driven Development Getting Started Foundations Development Deployment Post Project Agile Projects at Scale

Project to Product - Mik Kersten 2018-11-20

As tech giants and startups disrupt every market, those who master large-scale software delivery will define the economic landscape of the 21st century, just as the masters of mass production defined the landscape in the 20th. Unfortunately, business and technology leaders are woefully ill-equipped to solve the problems posed by digital transformation. At the current rate of disruption, half of S&P 500 companies will be replaced in the next ten years. A new approach is needed. In *Project to Product*, Value Stream Network pioneer and technology business leader Dr. Mik Kersten introduces the Flow Framework—a new way of seeing, measuring, and managing software delivery. The Flow Framework will enable your company's evolution from project-oriented dinosaur to product-centric innovator that thrives in the Age of Software. If you're driving your organization's transformation at any level, this is the book for you.

[SAFe® 4.0 Reference Guide](#) - Dean Leffingwell 2016-07-29

The Must-have Reference Guide for SAFe® Practitioners “There are a lot of methods of scale out there, but the Scaled Agile Framework is the one lighting up the world.” -Steve Elliot, Founder/CEO AgileCraft “You don't have to be perfect to start SAFe because you learn as you go—learning is built in. Before SAFe, I would not know how to help my teams but now I have many tools to enable the teams. My job is really fun and the bottom line is I have never enjoyed my job more!” -Product Manager, Fortune 500 Enterprise Captured for the first time in print, the SAFe body of knowledge is now available as a handy desktop reference to help you accomplish your mission of building better software and systems. Inside, you'll find complete coverage of what has, until now, only been available online at [scaledagileframework.com](#). The SAFe knowledge base was developed from real-world field experience and provides proven success patterns for implementing Lean-Agile software and systems development at enterprise scale. This book provides comprehensive guidance for work at the enterprise Portfolio, Value Stream, Program, and Team levels, including the various roles, activities, and artifacts that constitute the Framework, along with the foundational elements of values, mindset, principles, and practices. Education & Training Key to Success The practice of SAFe is spreading rapidly throughout the world. The majority of Fortune 100 U.S. companies have certified SAFe practitioners and consultants, as do an increasing percentage of the Global 1000 enterprises. Case study results—visit [scaledagileframework.com/case-studies](#)—typically include: 20—50% increase in productivity 50%+ increases in quality 30—75% faster time to market Measurable increases in employee engagement and job satisfaction With results like these, the demand from enterprises seeking SAFe expertise is accelerating at a dramatic rate. Successful implementations may vary in context, but share a common attribute: a workforce well trained and educated in SAFe practices. This book—along with authorized training and certification—will help you understand how to maximize the value of your role within a SAFe organization. The result is greater alignment, visibility, improved performance throughout the enterprise, and ultimately better outcomes for the business.

[SAFe 4.0 Distilled](#) - Richard Knaster 2017-04-04

SAFe®: The World's Leading Framework for Enterprise Agility “SAFe® 4.0 Distilled is the book we've all been waiting for. It breaks down the complexity of the Framework into easily digestible explanations and actionable guidance. A must-have resource for beginners as well as seasoned practitioners.” —Lee Cunningham, Sr. Director, Enterprise Agile Strategy at VersionOne, Inc. To succeed in today's adapt-or-die marketplace, businesses must be able to rapidly change the way they create and deliver value to their customers. Hundreds of the world's most successful companies—including Hewlett Packard Enterprise, AstraZeneca, Cisco, and Philips—have turned to the Scaled Agile Framework® (SAFe®) to achieve agility at scale and maintain a competitive edge. SAFe® 4.0 Distilled: Applying the Scaled Agile Framework® for Lean Software and Systems Engineering explains how adopting SAFe can quickly improve time to market and increase productivity, quality, and employee engagement. In this book, you will Understand the business case for SAFe: its benefits, the problems it solves, and how to apply it Get an overview of SAFe across all parts of the business: team, program, value stream, and portfolio Learn why SAFe works: the power of SAFe's Lean-Agile mindset, values, and principles Discover how systems thinking, Agile development, and Lean product development form the underlying basis for SAFe Learn how to become a Lean-Agile leader and effectively drive an enterprise-wide transformation

A Practical Approach to Large-Scale Agile Development - Gary Gruver 2012-11-15

Today, even the largest development organizations are turning to agile methodologies, seeking major productivity and quality improvements. However, large-scale agile development is difficult, and publicly available case studies have been scarce. Now, three agile pioneers at Hewlett-Packard present a candid, start-to-finish insider's look at how they've succeeded with agile in one of the company's most mission-critical software environments: firmware for HP LaserJet printers. This book tells the story of an extraordinary experiment and journey. Could agile principles be applied to re-architect an enormous legacy code base? Could agile enable both timely delivery and ongoing innovation? Could it really be applied to 400+ developers distributed across four states, three continents, and four business units? Could it go beyond delivering incremental gains, to meet the stretch goal of 10x developer productivity improvements? It could, and it did—but getting there was not easy. Writing for both managers and technologists, the authors candidly discuss both their successes and failures, presenting actionable lessons for other development organizations, as well as approaches that have proven themselves repeatedly in HP's challenging environment. They not only illuminate the potential benefits of agile in large-scale development, they also systematically show how these benefits can actually be achieved. Coverage includes: • Tightly linking agile methods and enterprise architecture with business objectives • Focusing agile practices on your worst development pain points to get the most bang for your buck • Abandoning classic agile methods that don't work at the largest scale • Employing agile methods to establish a new architecture • Using metrics as a “conversation starter” around agile process improvements • Leveraging continuous integration and quality systems to reduce costs, accelerate schedules, and automate the delivery pipeline • Taming the planning beast with “light-touch” agile planning and lightweight long-range forecasting • Implementing effective project management and ensuring accountability in large agile projects • Managing tradeoffs associated with key decisions about organizational structure • Overcoming U.S./India cultural differences that can complicate offshore development • Selecting tools to support quantum leaps in productivity in your organization • Using change management disciplines to support greater enterprise agility

Agile Project Management with Azure DevOps - Joachim Rossberg 2019-04-27

Roll up your sleeves and jump into Agile project management to use and customize Microsoft Azure DevOps. Organizations adopt Agile practices because they are a key enabler to run better projects, get more successful end results, and achieve an overall higher quality output. To benefit the most from Agile, you need an Application Life Cycle Management (ALM) or DevOps toolset that supports your style and work environment. Agile Project Management with Azure DevOps teaches you how to use Azure DevOps to implement many Agile practices such as SAFe, Scrum, and Kanban, and it shows you how they fit into a well-planned Agile implementation. Agile product owners will learn how to work with Azure DevOps to set up a project from scratch, and to continue using Azure DevOps throughout. Keeping track of progress is important in any project. Author Joachim Rossberg teaches you about the tools in Azure DevOps that can help you track progress and key metrics, including those that are available right out of the box. You will learn how to create and refine the backlog, work with Kanban and Scrum task boards, and get exposed to valuable key concepts along the way. Finally, you will dive into Azure DevOps extensibility to learn about the many ways you can customize reporting to best meet your needs What You'll Learn Understand Agile product management concepts and processes for working with Azure DevOps Discover how Azure DevOps supports agile processes end-to-end Implement Agile processes in Azure DevOps Customize Azure DevOps to better support your processes Complete step-by-step setup of an Agile project from scratch and manage it through its life cycle Who This Book Is For Software product owners, Agile leaders, Scrum masters, and software engineers who use Microsoft Azure DevOps. A basic understanding of Agile is helpful.

Agile Project Management For Dummies - Mark C. Layton 2020-09-03

This updated edition shows you how to use the agile project management framework for success! Learn how to apply agile concepts to your projects. This fully updated book covers changes to agile approaches and new information related to the methods of managing an agile project. Agile Project Management For Dummies, 3rd Edition gives product developers and other project leaders the tools they need for a successful project. This book's principles and techniques will guide you in creating a product roadmap, self-correcting iterations of deployable products, and preparing for a product launch. Agile approaches are

critical for achieving fast and flexible product development. It's also a useful tool for managing a range of business projects. Written by one of the original agile technique thought-leaders, this book guides you and your teams in discovering why agile techniques work and how to create an effective agile environment. Users will gain the knowledge to improve various areas of project management. Define your product's vision and features Learn the steps for putting agile techniques into action Manage the project's scope and procurement Plan your team's sprints and releases Simplify reporting related to the project Agile Project Management For Dummies can help you to better manage the scope of your project as well as its time demands and costs. You'll also be prepared to skillfully handle team dynamics, quality challenges, and risks.

Enterprise Agility For Dummies - Doug Rose 2018-02-28

Manage and improve your organization's agile transformation Adopting an enterprise agile framework is a radical organizational change, and this book will help you get there without ever breaking a sweat. In Enterprise Agility For Dummies, you'll discover how to successfully choose and implement the right framework based on your organization's own unique culture. Organizational culture is one of the most overlooked challenges when trying to make a change to enterprise agile, and there are lots of resources out there that claim to have the perfect, one-size-fits-all solution. Luckily, this book takes a neutral stance and covers popular organizational change management techniques that you can implement to suit to your unique needs. Packed with step-by-step instruction and complemented with real-world case studies, this book offers everything you need to know in order to embrace a more agile mindset. Understand the benefits of an agile approach Pick the best enterprise agile framework for your organization Create a successful enterprise change management plan Let Enterprise Agility For Dummies help you optimize your business processes, and watch your productivity soar.

SAFe 4.5 Reference Guide - Dean Leffingwell 2018-05-04

The Must-have Reference Guide for SAFe® Professionals "There are a lot of methods of scale out there, but the Scaled Agile Framework is the one lighting up the world." -Steve Elliot, Founder/CEO AgileCraft "Since beginning our Lean-Agile journey with SAFe, Vantiv has focused its strategic efforts and its execution. We have improved the predictability of product delivery while maintaining high quality, and have become even more responsive to customers-resulting in higher customer satisfaction. And just as important, employee engagement went up over the past year." -Dave Kent, Enterprise Agile Coach, Vantiv Fully updated to include the new innovations in SAFe 4.5, the SAFe® 4.5 Reference Guide is ideal for anyone serious about learning and implementing the world's leading framework for enterprise agility. Inside, you'll find complete coverage of the scaledagileframework.com knowledge base, the website that thousands of the world's largest brands turn to for building better software and systems. SAFe was developed from real-world field experience and provides proven success patterns for implementing Lean-Agile software and systems development at enterprise scale. This book provides comprehensive guidance for work at the enterprise Portfolio, Large Solution, Program, and Team levels, including the various roles, activities, and artifacts that constitute the Framework. Education & Training Key to Success The practice of SAFe is spreading rapidly throughout the world. The majority of Fortune 100 companies have certified SAFe professionals and consultants, as do an increasing percentage of the Global 2000. Case study results-visit scaledagileframework.com/case-studies-typically include: 30 — 75% faster time-to-market 25 — 75% increase in productivity 20 — 50% improvements in quality 10 — 50% increased employee engagement Successful implementations may vary in context but share a common attribute: a workforce well trained and educated in SAFe practices. This book-along with authorized training and certification-will help you understand how to maximize the value of your role within a SAFe organization. The result is greater alignment and visibility, improved performance throughout the enterprise, and ultimately better outcomes for the business.

Agile Portfolio Management - Klaus Nielsen 2021-09-20

Agile portfolio management deals with how an organization identifies, prioritizes, organizes, and manages different products. This is done in a streamlined way in order to optimize the development of value in a manner that's sustainable in the long run. It ensures that a company provides their clients with the best value for their investment. A good portfolio manager understands and follows the agile principles while also

considering the various factors needed to successfully manage numerous teams and projects. The project management office of many organizations are faced with the reality of more and more agile deliverables as part of agile transformations, however they lack the knowledge to perform these tasks. Researchers and practitioners have a good understanding of project, program and portfolio management in a planned based perspective. They have common standards from Axelos, PMI and such, so they know the best practices. The knowledge of agile on a team level is fairly mature and the knowledge of more agile teams (scaling) are increasing. However, the knowledge of agile portfolio management is still limited. The aim of this book is to give the reader an understanding of portfolio management of a portfolio of agile deliverables, what the options are (theory), what we know (research) and what others are doing (practice). Many organizations in banking, insurance to name a few are in the middle of major agile transformations with limited knowledge of the practice. In this book, the author collects and analyzes common practices in various industries. He provides both theory and through case studies the practical aspects of agile portfolio management.

Coordination in Large-Scale Agile Software Development - Alexander Scheerer 2017-05-05

This book explores coordination within and between teams in the context of large-scale agile software development, providing readers a deeper understanding of how coordinated action between teams is achieved in multiteam systems. An exploratory multiple case study with five multiteam systems and a total of 66 interviewees from development teams at SAP SE is presented and analyzed. In addition, the book explores stereotypes of coordination in large-scale agile settings and shares new perspectives on integrating conditions for coordination. No previous study has researched this topic with a similar data set, consisting of insights from professional software development teams. As such, the book will be of interest to all researchers and practitioners whose work involves software product development across several teams.

Agile Software Requirements - Dean Leffingwell 2010-12-27

"We need better approaches to understanding and managing software requirements, and Dean provides them in this book. He draws ideas from three very useful intellectual pools: classical management practices, Agile methods, and lean product development. By combining the strengths of these three approaches, he has produced something that works better than any one in isolation." -From the Foreword by Don Reinertsen, President of Reinertsen & Associates; author of Managing the Design Factory; and leading expert on rapid product development Effective requirements discovery and analysis is a critical best practice for serious application development. Until now, however, requirements and Agile methods have rarely coexisted peacefully. For many enterprises considering Agile approaches, the absence of effective and scalable Agile requirements processes has been a showstopper for Agile adoption. In Agile Software Requirements, Dean Leffingwell shows exactly how to create effective requirements in Agile environments. Part I presents the "big picture" of Agile requirements in the enterprise, and describes an overall process model for Agile requirements at the project team, program, and portfolio levels Part II describes a simple and lightweight, yet comprehensive model that Agile project teams can use to manage requirements Part III shows how to develop Agile requirements for complex systems that require the cooperation of multiple teams Part IV guides enterprises in developing Agile requirements for ever-larger "systems of systems," application suites, and product portfolios This book will help you leverage the benefits of Agile without sacrificing the value of effective requirements discovery and analysis. You'll find proven solutions you can apply right now-whether you're a software developer or tester, executive, project/program manager, architect, or team leader.

The Scrumban [R]Evolution - Ajay Reddy 2015-06-29

Create Thriving, High-Performing Teams and Organizations with Scrumban Scrumban allows you to use Kanban as a catalyst for increasingly valuable changes to your existing software development processes, amplifying and expanding upon Scrum's benefits. Now, there's a definitive guide to Scrumban that explains what it is (and isn't), how and why it works, and how to use it to improve both team and organizational performance. Comprehensive, coherent, and practical, The Scrumban [R]Evolution will help you incrementally apply proven Lean/Agile principles to get what matters most: pragmatic, bottom-line results. Pioneering Scrumban coach Ajay Reddy clarifies Scrumban's core concepts and principles, and illuminates their application through real-life examples. He takes you from the absolute basics through sustainable adoption, and from choosing metrics to advanced forecasting and adaptive management. Whatever your

role in the organization, this essential guide liberates you to tailor Kanban systems based on your unique challenges—and to solve delivery problems and improvement stagnation you haven't been able to solve with Scrum alone. Discover how Scrumban can help you reignite stalled Agile initiatives Clarify crucial relationships between purpose, values, and performance Quickly develop shared understanding in and across teams Use Scrumban to better manage Product Owner/Customer expectations Improve the rollout of Scrum in any team using Scrumban Use Scrumban and let real improvements spread with least resistance Use the right metrics to gain insight, track progress, and improve forecasting Take advantage of Scrumban's advanced capabilities as you gain experience Develop leaders to successfully guide your Agile initiatives Integrate modeling to reliably refine your forecasting and decision-making

The Art of Avoiding a Train Wreck: Tips and Tricks for Launching Safe Agile Release Trains - Em Campbell-Pretty 2020-03-09

In *The ART of Avoiding a Train Wreck*, Em and Adrienne share their "trade secrets" for launching and operating powerful and effective Agile Release Trains. There's a lot at stake when launching an Agile Release Train. When taking on an Enterprise Lean-Agile Transformation you only get one shot at a first impression. Runaway trains are expensive. Money gets wasted, time gets lost and the reputational damage can take years to repair. Going well beyond the standard SAFe training, this book deep dives into the practical tips and tricks that only over 15 years of combined real world experience can teach. You will learn how to get a ticket on the SAFe railway, load the cargo on your train, set the timetable, SAFely board and stay on the tracks. No matter your context, you are sure to find plenty of actionable ideas for launching and operating Agile Release Trains.

[A Practical Approach to Large-Scale Agile Development](#) - Gary Gruver 2012

Today, even the largest development organisations are turning to agile methodologies, seeking major productivity and quality improvements. However, large-scale agile development is difficult, and publicly available case studies have been scarce. Now, three agile pioneers at Hewlett-Packard present a candid, start-to-finish insider's look at how they've succeeded with agile in one of the company's most mission-critical software environments: firmware for HP LaserJet printers. This book tells the story of an extraordinary experiment and journey. Could agile principles be applied to re-architect an enormous legacy code base? Could agile enable both timely delivery and ongoing innovation? Could it really be applied to 400+ developers distributed across four states, three continents, and four business units? Could it go beyond delivering incremental gains, to meet the stretch goal of 10x developer productivity improvements? It could, and it did—but getting there was not easy. Writing for both managers and technologists, the authors candidly discuss both their successes and failures, presenting actionable lessons for other development organisations, as well as approaches that have proven themselves repeatedly in HP's challenging environment. They not only illuminate the potential benefits of agile in large-scale

development, they also systematically show how these benefits can actually be achieved. Coverage includes: Tightly linking agile methods and enterprise architecture with business objectives Focusing agile practices on your worst development pain points to get the most bang for your buck Abandoning classic agile methods that don't work at the largest scale Employing agile methods to establish a new architecture Using metrics as a "conversation starter" around agile process improvements Leveraging continuous integration and quality systems to reduce costs, accelerate schedules, and automate the delivery pipeline Taming the planning beast with "light-touch" agile planning and lightweight long-range forecasting Implementing effective project management and ensuring accountability in large agile projects Managing tradeoffs associated with key decisions about organisational structure Overcoming U.S./India cultural differences that can complicate offshore development Selecting tools to support quantum leaps in productivity in your organisation Using change management disciplines to support greater enterprise agility

The Lean Machine - Dantar P. Oosterwal 2010-01-13

From near-extinction in the early eighties, Harley-Davidson rose to worldwide recognition and is still today one of the great, iconic American motorcycle brands. In this insider guide, former Harley-Davidson executive Dantar Oosterwal offers an exclusive look at how Harley-Davidson was able to adapt in an ever-changing world to stay on top and stay in existence. In *The Lean Machine*, readers learn about Harley-Davidson's secret weapon and go-to formula for outstanding success: Knowledge-Based Product Development. Rooted in Japanese productivity improvement techniques, this method helped Harley realize an unprecedented fourfold increase in throughput in half the time—powering annual growth of more than ten percent. Winner of the 2017 Shingo Prize for Literature, *The Lean Machine*—which is part business journal, part analysis, and part step-by-step toolkit—takes readers through the day-to-day transformation at Harley and identifies universal change and improvement issues so that companies in any industry can incorporate this game-changing system—with predictably excellent results.

Tribal Unity (paperback) - Em Campbell-Pretty 2016-10-11

Are you ready to create a one team culture? *Tribal Unity* is a real world, practical guide for leaders committed to making their organisation a great place to work. Based in the true story of how one inspiring leader transformed a highly toxic organisational culture, into an internationally recognised case study of success. *Tribal Unity* shares proven patterns that are revolutionising the way teams of teams connect and perform. Em Campbell-Pretty is an internationally acclaimed business strategist, speaker and one of Australia's leading Enterprise Agile consultants. After 20 years in senior business roles within multinational blue chip corporations, Em discovered Agile and became passionate about the chance it provides to align business and IT around the delivery of value. Today Em is instrumental in empowering Australia's largest enterprises in improving the effectiveness of their teams.