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KEY=SOFTWARE - DESIREE TESSA

Disciplined Agile Delivery A Practitioner's Guide to Agile Software Delivery in the Enterprise

IBM Press **The authoritative guide to DAD, IBM's disciplined approach to applying agile practices in enterprise scale projects. Integrate enterprise discipline with powerful, widely-used agile practices into a proven solution for the entire software lifecycle. Scale agile strategies for complex development challenges, without compromising agile's advantages.**

Enterprise Software Delivery Bringing Agility and Efficiency to

the Global Software Supply Chain

Addison-Wesley Professional **Master breakthrough new approaches to enterprise software delivery that address today's radically new development and business challenges** • **Helps development leaders strategically balance agility and efficiency in response to massive new global economic and technical trends.** • **Offers specific, practical solutions for improving control, visibility, and efficiency.** • **By Alan W. Brown -- IBM Distinguished Engineer, IBM Rational CTO, and one of the world's leading experts on high-value enterprise software delivery.** Globalization, rapid technology churn, and massive economic shifts have made today's enterprise software delivery challenges radically different than those faced just three or four years ago. In this book, IBM Distinguished Engineer Alan W. Brown offers deep new insights into today's best approaches to enterprise software delivery. Brown guides decision-makers in choosing solutions that respond to their new challenges, and successfully anticipate what's coming next. He provides a compelling vision for 'software supply chains': one that can help software leaders create global software factories that successfully balance agility and efficiency. Brown illuminates today's new revolution in enterprise software delivery, focusing on key drivers for change, their impact on the day-to-day work of software engineers, and how enterprise software organizations are being reformed in response. He introduces the modern 'software factory' concept, addressing key trends including global outsourced teams, collaborative application lifecycle management, and cloud-based virtual infrastructures; Replete with examples, this informative, practical book will help organizations surface crucial issues they may have overlooked, and then identify and leverage the best new ways to deliver software. From start to finish, it offers powerful new opportunities to reduce costs, standardize processes, improve control and visibility, and become far more responsive to the business.

Agile Software Requirements

Lean Requirements Practices for Teams, Programs, and the Enterprise

Addison-Wesley Professional **"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.

Disciplined Agile Delivery: A Practitioner’s Guide to Agile Software Delivery in the Enterprise Enterprise Release Management Agile Delivery of a Strategic Change Portfolio

Artech House An indispensable resource for business leaders, IT professionals and project managers working to effect positive change in their organizations, this innovative book presents a new paradigm for the management of evolving business and IT architectures. Enterprise release management takes a holistic view of change that offers a synthesis of traditional management approaches, including project and change management, enterprise architecture, and development practices like

configuration and release management. Unlike many books that simply focus on portfolio planning, this practical reference establishes an end to end release framework which ensures initiatives are planned and prioritized to streamline portfolio execution and delivery. Benefits of the release-centric approach advocated include reduced execution and operational risk, improved demand management and optimized release throughput. This unique book offers a fresh enterprise perspective that addresses strategic change and the release life cycle, providing executives and managers with the tools they need to chart and track the course of their business.

Disciplined Agile Delivery: A Practitioner's Guide to Agile Software Delevery in the Enterprise

Enterprise-Scale Agile Software Development

CRC Press **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 Software Agility

Best Practices for Large Enterprises

Pearson Education “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.

Introduction to Disciplined Agile Delivery - Second Edition

Project Management Institute **How does a small development team in an established enterprise apply Disciplined Agile (DA) strategies to successfully improve their agility and provide real value to their stakeholders? Find out how in Introduction to Disciplined Agile Delivery—Second Edition. This guide to Disciplined Agile Delivery (DAD) provides the foundation from which to scale agile and lean software development strategies, enabling teams to succeed in the unique situations they face—remembering that context counts. Starting with a Scrum-based approach, we'll show you how the team learns from their experiences and evolves into a lean life cycle, then to a continuous delivery life cycle within a DevOps environment. We begin with an overview of DAD and work through a case study that describes a team's learnings through several releases of a mission-critical solution. You'll find out how DAD: &• Gives you the flexibility to use various approaches while covering gaps not addressed by mainstream agile practices. &• Describes proven strategies that show how programming, design, testing, architecture, analysis, deployment, and many more aspects of solution delivery fit together in a streamlined whole. &• Shows you how to turn the agile software development dial all the way up! Mark Lines and Scott Ambler Mark Lines and Scott W. Ambler are cocreators of PMI Disciplined Agile and authors of several books about agile approaches. They have decades of experience implementing agile and lean approaches at organizations around the world and are both sought-after keynote speakers.**

The Agile Enterprise Building and Running Agile Organizations

Apress **Discover how to implement and operate in an Agile manner at every level of your enterprise and at every point from idea to delivery. Learn how Agile-mature organizations adapt nimbly to microchanges in market conditions. Learn cutting-edge practices and concepts as you extend your implementation of Agile through the entire enterprise to meet customer needs. Veteran Agile coach Mario Moreira argues that two critical conditions must be conscientiously cultivated at a company before it can expect to reap in full measure the business benefits of mature Agile. First, individuals at every level must be committed to the mindset and the implementation of practices rigorously focused on delivering value to the**

customer. Second, all employees must be empowered to take ownership. This holistic transformation wrenches the status quo and provokes a strong focus where customers and employees matter. **What You'll Learn** Establish an idea pipeline to quickly and productively evolve customer value through all levels of the enterprise Incorporate a discovery mindset—experimental, incremental, design, and divergent thinking—and fast feedback loops to increase the odds that what you build aligns more closely to what customer wants Leverage Lean Canvas, personas, story mapping, value stream mapping, Cost of Delay, servant leadership, self-organization, and more to deliver optimum value to customers Use continuous agile budgeting and idea pipelines at the senior levels of the enterprise to enable you to adapt to the speed of the market Reinvent human resources, portfolio management, finance, and many areas of management toward new roles in the enablement of customer value Map a top-to-bottom and end-to-end holistic view of your Agile galaxy to gauge where you are today and where you'd like to go in your Agile future Be truly Agile throughout your enterprise, focused on customer value and employees above all else **Who This Book Is For** Executives and senior management; sponsors of Agile within a company; ScrumMasters and Agile coaches, champions, and consultants; project management and quality assurance officers (PMOs and AMOs); portfolio managers; product managers and product owners; marketing and business managers; functional, middle, and resource managers; engineering heads and managers; cross-functional engineering/scrum teams; and entrepreneurs and venture capitalists

Introduction to Disciplined Agile Delivery 2nd Edition

A Small Agile Team's Journey from Scrum to Disciplined DevOps

Createspace Independent Publishing Platform **Introduction to Disciplined Agile Delivery 2nd Edition** provides a quick overview of how agile software development works from beginning-to-end. It describes Disciplined Agile Delivery (DAD), the first of four levels of the Disciplined Agile (DA) process decision framework, and works through a case study describing a typical agile team's experiences adopting a DA approach. The book describes how the team develops the first release of a mission-critical application while working in a legacy enterprise environment. It describes their experiences from beginning-to-end, starting with their initial team initiation efforts through construction and finally to deploying the solution into production. It also describes how the team stays together for future releases,

overviewing their process improvement efforts from their Scrum-based beginnings through to a lean continuous delivery approach that fits in with their organization's evolving DevOps strategy. The DAD framework is a hybrid of existing methods such as Scrum, Kanban, Agile Modeling, SAFe, Extreme Programming, Agile Data, Unified Process and many others. DAD provides the flexibility to use various approaches and plugs the gaps not addressed by mainstream agile methods. In a nutshell, DAD is "pragmatic agile." DAD describes proven strategies to adapt and scale your agile initiatives to suit the unique realities of your enterprise without having to figure it all out by yourself. Here's an overview of what each chapter covers: Chapter 1: Introduction. This chapter provides a quick overview of the book and a brief history of Disciplined Agile. Chapter 2: Reality over Rhetoric. This chapter explores several common myths about DAD and more importantly disproves them. Chapter 3: Disciplined Agile Delivery in a Nutshell. This chapter provides a brief yet comprehensive overview of DAD. Chapter 4: Introduction to the Case Study. This chapter introduces us to the team, describes the market opportunity that they hope to address, and describes the environment in which they're working. Chapter 5: Inception. The team's initiation effort includes initial requirements modeling and planning with their stakeholders in a streamlined manner, initial architecture modeling, setting up their physical work environment, setting up the start of their tooling infrastructure, initial risk identification, and finally securing stakeholder support and funding for the rest of the first release. Chapters 6 through 10: Construction. These chapters each describe a single Construction iteration, sharing the team's experiences during each of those two-week timeboxes. Chapter 11: Transition. The two-week transition phase focuses on final testing and fixing, training the support/help-desk staff, finishing a few short end-user "how to" videos, and deploying the solution into production. Chapter 12: The Road to Disciplined DevOps. This chapter overviews the team's improvement efforts over the next few releases, describing how they evolve from the agile Scrum-based lifecycle to a leaner approach and eventually to continuous delivery. All of this dovetails into their organization's efforts to implement a Disciplined DevOps strategy. Chapter 13: Closing Thoughts. This chapter overviews the disciplined agile resources that are available to you. Appendix: The Disciplined Agile Framework. This short appendix overviews our ongoing work on the Disciplined Agile framework to address the full scope of an agile business. At 111 pages, you should find this book to be a quick, informative read. What's Different in This Edition: Chapter 3 was completely rewritten to reflect the changes to DAD. Chapter 12 was rewritten to describe how the team evolved into a Disciplined DevOps strategy. Appendix A was rewritten to reflect the latest release of the DA framework. General updates were made throughout the book.

Agile Processes in Software Engineering and Extreme Programming

12th International Conference, XP 2011, Madrid, Spain, May 10-13, 2011, Proceedings

Springer Science & Business Media **This book contains the refereed proceedings of the 12th International Conference on Agile Software Development, XP 2011, held in Madrid, Spain, in May 2011. The year 2011 marked the 10th anniversary of the Agile Manifesto. In this spirit, the XP conference continued its fine tradition of promoting agility by disseminating new research results in a timely manner and by bringing together researchers and practitioners for a fruitful mutual exchange of experiences. As introduced for XP 2010, there were again two different program committees, one for research papers and one for experience reports. Regarding the research papers, 11 out of 56 submissions were accepted as full papers; and as far as the experience reports were concerned, the respective number was 4 out of 17 submissions. In addition to these papers, this volume also includes the short research papers, the abstracts of the posters, the position papers of the PhD symposium, and the abstracts of the workshops.**

Easy to Use 2.0

User Experience in Agile Development for Enterprise Software

Createspace Independent Publishing Platform **The intersection of the customer, user and technology is at the heart of this concise guidebook for developing easy to use software. In Easy to Use 2.0, Sean Van Tyne expands on his previous edition, taking the complex topic of agile development for enterprise software and making it easy to understand and**

easy to implement. **Easy to Use 2.0** is an easy to use guide to creating simple yet effective enterprise applications. **Easy to Use 2.0** covers new topics like user experience myths and realities, the experience economy, user experience maturity model, and how to create your user experience strategy. There are new case studies from the field, what is design thinking and how to do design sprints, minimal viable and minimal desirable products, how to handle UX debt, how to hire the right talent for your organization and more. **Easy to Use** is your roadmap to successfully integrating UX design and Agile development. Businesses wishing to rapidly create great software would be well advised to get a copy of this book for every member of the team. You want **Easy to Use 2.0** as your software development companion. Particularly where business wins, losses and profits depend on user experience being better than the competition.

Project to Product

How to Survive and Thrive in the Age of Digital Disruption with the Flow Framework

IT Revolution 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.

Large-Scale Scrum

More with LeSS

Addison-Wesley Professional 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.

Lean-Agile Software Development

Achieving Enterprise Agility

Pearson Education 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.

Scrum and XP from the Trenches - 2nd Edition

Lulu.com **This book aims to give you a head start by providing a detailed down-to-earth account of how one Swedish company implemented Scrum and XP with a team of approximately 40 people and how they continuously improved their process over a year's time. Under the leadership of Henrik Kniberg they experimented with different team sizes, different sprint lengths, different ways of defining "done," different formats for product backlogs and sprint backlogs, different testing strategies, different ways of doing demos, different ways of synchronizing multiple Scrum teams, etc. They also experimented with XP practices - different ways of doing continuous build, pair programming, test driven development, etc, and how to combine this with Scrum. This second edition is an annotated version, a "director's cut" where Henrik reflects upon the content and shares new insights gained since the first version of the book.**

A Practical Approach to Large-Scale Agile Development

How HP Transformed LaserJet FutureSmart Firmware

Addison-Wesley **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

DevOps for the Modern Enterprise

Winning Practices to Transform Legacy IT Organizations

IT Revolution Many organizations are facing the uphill battle of modernizing their legacy IT infrastructure. Most have evolved over the years by taking lessons from traditional or legacy manufacturing: creating a production process that puts the emphasis on the process instead of the people performing the tasks, allowing the organization to treat people like resources to try to achieve high-quality outcomes. But those practices and ideas are failing modern IT, where collaboration and creativeness are required to achieve high-performing, high-quality success. Mirco Hering, a thought leader in managing IT within legacy organizations, lays out a roadmap to success for IT managers, showing them how to create the right ecosystem, how to empower people to bring their best to work every day, and how to put the right technology in the driver's seat to propel their organization to success. But just having the right methods and tools will not magically transform an organization; the cultural change that is the hardest is also the most impactful. Using principles from Agile, Lean, and DevOps as well as first-hand examples from the enterprise world, Hering addresses the different challenges that legacy organizations face as they transform into modern IT departments.

Leading the Transformation

Applying Agile and DevOps Principles at Scale

IT Revolution **Leading the Transformation is executive guide, providing a clear framework for improving development and delivery. Instead of the traditional Agile and DevOps approaches that focus on improving the effectiveness of teams, this book targets the coordination of work across teams in large organizations—an improvement that executives are uniquely positioned to lead.**

Building the Agile Enterprise

With SOA, BPM and MBM

Elsevier **In the last ten years IT has brought fundamental changes to the way the world works. Not only has it increased the speed of operations and communications, but it has also undermined basic assumptions of traditional business models and increased the number of variables. Today, the survival of major corporations is challenged by a world-wide marketplace, international operations, outsourcing, global communities, a changing workforce, security threats, business continuity, web visibility, and customer expectations. Enterprises must constantly adapt or they will be unable to compete. Fred Cummins, an EDS Fellow, presents IT as a key enabler of the agile enterprise. He demonstrates how the convergence of key technologies—including SOA, BPM and emerging enterprise and data models—can be harnessed to transform the enterprise. Cummins mines his 25 years experience to provide IT leaders, as well as enterprise architects and management consultants, with the critical information, skills, and insights they need to partner with management and redesign the enterprise for continuous change. No other book puts IT at the center of this transformation, nor integrates these technologies for this purpose. Shows how to integrate and deploy critical technologies to foster agility Details how to design an enterprise architecture that takes full advantage of SOA, BPM, business rules, enterprise information management, business models, and governance Outlines IT's critical mission in providing an integration infrastructure and key services, while optimizing technology adoption throughout the enterprise Illustrates concepts with examples and cases from large and small commercial enterprises Shows how to create systems that recognize and respond to the need for change Identifies the unique security issues that arise with SOA and shows how to deploy a**

framework of technologies and processes that address them

Enterprise Agility For Dummies

John Wiley & Sons **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 Agile 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 Agile For Dummies* help you optimize your business processes, and watch your productivity soar.

The Project Manager's Guide to Mastering Agile

Principles and Practices for an Adaptive Approach

John Wiley & Sons **This book is designed to help project managers with a traditional, plan-driven project management background understand the challenges of implementing agile and to develop a more adaptive project management approach.** Content is organized into 5 sections: fundamental of agile, agile processes and tools, making agile work for business, implementing agile at the enterprise level, and case studies. It can be used to study for PMI's newly founded ACP exam.

Agile Data Warehousing for the

Enterprise

A Guide for Solution Architects and Project Leaders

Newnes Building upon his earlier book that detailed agile data warehousing programming techniques for the Scrum master, Ralph's latest work illustrates the agile interpretations of the remaining software engineering disciplines: Requirements management benefits from streamlined templates that not only define projects quickly, but ensure nothing essential is overlooked. Data engineering receives two new "hyper modeling" techniques, yielding data warehouses that can be easily adapted when requirements change without having to invest in ruinously expensive data-conversion programs. Quality assurance advances with not only a stereoscopic top-down and bottom-up planning method, but also the incorporation of the latest in automated test engines. Use this step-by-step guide to deepen your own application development skills through self-study, show your teammates the world's fastest and most reliable techniques for creating business intelligence systems, or ensure that the IT department working for you is building your next decision support system the right way. Learn how to quickly define scope and architecture before programming starts Includes techniques of process and data engineering that enable iterative and incremental delivery Demonstrates how to plan and execute quality assurance plans and includes a guide to continuous integration and automated regression testing Presents program management strategies for coordinating multiple agile data mart projects so that over time an enterprise data warehouse emerges Use the provided 120-day road map to establish a robust, agile data warehousing program

Lean Enterprise Software and Systems

4th International Conference, LESS
2013, Galway, Ireland, December
1-4, 2013, Proceedings

Springer This book contains the refereed proceedings of the 4th International Conference on Lean Enterprise Software and Systems, LESS

2013, held in Galway, Ireland, in December 2013. LESS fosters interactions between practitioners and researchers by joining the lean product development and the agile software development communities in a highly collaborative environment. Each year, the program combines novelties and recent research results that make new ideas thrive during and after the conference. This year, the conference agenda was expanded to incorporate topics such as portfolio management, open innovation and enterprise transformation. The 14 papers selected for this book represent a diverse range of experiences, studies and theoretical achievements. They are organized in four sections on lean software development, quality and performance, case studies and emerging developments.

The Five Tantras of Enterprise Agility

Notion Press This book has distilled the experience of working professionals involved in Agile transformation and has been written in an easy-to-read style. While the stories in the book make it a light reading experience, the values from the tales and their linkage to the five values of Enterprise Agility detailed in the book make it a great learning experience with tips on how one can implement these values within their own workplace or organization A highly recommended book for anyone contemplating on how to become Agile, and for others who are already on this path, how to stay Agile. Vinod Sood, Co-Founder and Managing Director, Hughes Systique The software community has, over the years, been adopting a series of process innovations in their quest for delivering predictable, high-quality software. Agile approaches are a recent innovation that are becoming widely adopted across the world. However, most organizations that have gone Agile, have realized that they are not getting the benefits they were expecting with Agile and are searching for answers. This book from PM Power could help them significantly as it provides the priceless wisdom of many of their coaches in helping organizations not only successfully transform at an enterprise level into an Agile way of working but in sustaining such initiatives over time. Dr. A L Rao - Board Member - Trianz, EX COO- Wipro. Never have businesses and organizations faced such challenges like understanding market opportunities, customer requirements and risks as they are in today's world as we face a global pandemic, geopolitical uncertainties and inequalities. This situation requires organizations to be more flexible and responsive and yes, more Agile, than ever before. The Five Tantras of Enterprise Agility couldn't have come at a better time to help business leaders implement Agile in their design and development process. I highly recommend investing the time to read the book and learn how you can improve your current Agile implementation or for implementing Agile as a new approach. Marc Zions, Executive Chairman, Precision Nutrition, Inc. I read "The Five tantras of

Enterprise Agility” and enjoyed every bit of it. Intended for managers, it is indeed a great guide for those planning to launch the Agile journey in their organization or their client organization. The style is conversational, the skill of the author to tell a compelling story is remarkable and deep subject matter conveyed in a light-load form factor remarkably well! With Agile getting mainstream and software entering every aspect of human endeavor, this book will be a must-read for most managers & consultants across the spectrum of industries - much beyond the software services industry! It is very contextual too! Starts before Covid-19, gets ready through the difficult period, and will see the light of the day on a day when hopefully Covid-19 would have become history! Prof S Sadagopan, Director, IIT-Bangalore

The TOGAF® Standard, 10th Edition - Enterprise Agility and Digital Transformation

Van Haren **This document is the Enterprise Agility and Digital Transformation TOGAF Series Guide Set. It contains two TOGAF Series Guides that have been developed and approved by The Open Group, and is part of the TOGAF Standard, 10th Edition. TOGAF® Series Guide: Enabling Enterprise Agility This document is designed to help Enterprise Architects requiring information on how to adapt and use the TOGAF framework to support an Agile enterprise. It covers the following topics:**

- An introduction to the topic, including what is meant by agility, the role of Enterprise Architecture, and how it relates to agility
- The terms and definitions used in the document
- The TOGAF Architecture Development Method (ADM) and how that relates to agility
- How architecture activities can be structured to support agility
- How to execute Enterprise Architecture in an Agile environment

TOGAF® Series Guide: Using the TOGAF® Standard in the Digital Enterprise This document is written those undertaking the roles of both Enterprise Architect and Digital Practitioner. For Digital Practitioners, it communicates what architecture practices would help to grow their digital enterprise, and how to interact with the Enterprise Architecture community to get them. For those undertaking an Enterprise Architect role, it provides guidance on supporting the digital enterprise. It covers the following topics:

- A high-level introduction to how established Enterprise Architecture practices bring value to digital enterprises at all scales
- How Enterprise Architecture and the TOGAF Standard bring valuable tools to digital enterprises of all sizes
- Alignment of terminology between the TOGAF Standard and the Digital Practitioner Body of Knowledge™
- Applying Enterprise Architecture and the TOGAF Standard to the contexts described in the DPBoK™ Standard

Kanban and Scrum - Making the Most of Both

Lulu.com **Scrum and Kanban are two flavours of Agile software development - two deceptively simple but surprisingly powerful approaches to software development. So how do they relate to each other? The purpose of this book is to clear up the fog, so you can figure out how Kanban and Scrum might be useful in your environment. Part I illustrates the similarities and differences between Kanban and Scrum, comparing for understanding, not for judgement. There is no such thing as a good or bad tool - just good or bad decisions about when and how to use which tool. This book includes: - Kanban and Scrum in a nutshell - Comparison of Kanban and Scrum and other Agile methods - Practical examples and pitfalls - Cartoons and diagrams illustrating day-to-day work - Detailed case study of a Kanban implementation within a Scrum organization Part II is a case study illustrating how a Scrum-based development organization implemented Kanban in their operations and support teams.**

SAFe 4.5 Reference Guide

Scaled Agile Framework for Lean Enterprises

Addison-Wesley Professional **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 IT Organization Design For Digital Transformation and Continuous Delivery

Addison-Wesley Professional **Design IT Organizations for Agility at Scale** Aspiring digital businesses need overall IT agility, not just development team agility. In *Agile IT Organization Design*, IT management consultant and ThoughtWorks veteran Sriram Narayan shows how to infuse agility throughout your organization. Drawing on more than fifteen years' experience working with enterprise clients in IT-intensive industries, he introduces an agile approach to "Business-IT Effectiveness" that is as practical as it is valuable. The author shows how structural, political, operational, and cultural facets of organization design influence overall IT agility—and how you can promote better collaboration across diverse functions, from sales and marketing to product development, and engineering to IT operations. Through real examples, he helps you evaluate and improve organization designs that enhance autonomy, mastery, and purpose: the key ingredients for a highly motivated workforce. You'll find "close range" coverage of team design, accountability, alignment, project finance, tooling, metrics, organizational norms, communication, and culture. For each, you'll gain a deeper understanding of where your organization stands, and clear direction for making improvements. Ready to optimize the performance of your IT organization or digital business? Here are practical solutions for the long term, and for right now. Govern for value over predictability Organize for responsiveness, not lowest cost Clarify accountability for outcomes and for decisions along the way Strengthen the alignment of autonomous teams Move beyond project teams to capability teams Break down tool-induced silos Choose financial

practices that are free of harmful side effects Create and retain great teams despite today's "talent crunch" Reform metrics to promote (not prevent) agility Evolve culture through improvements to structure, practices, and leadership—and careful, deliberate interventions

Agile Processes in Software Engineering and Extreme Programming

19th International Conference, XP 2018, Porto, Portugal, May 21–25, 2018, Proceedings

Springer This open access book constitutes the proceedings of the 19th International Conference on Agile Software Development, XP 2018, held in Porto, Portugal, in May 2018. XP is the premier agile software development conference combining research and practice, and XP 2018 provided a playful and informal environment to learn and trigger discussions around its main theme - make, inspect, adapt. The 21 papers presented in this volume were carefully reviewed and selected from 62 submissions. They were organized in topical sections named: agile requirements; agile testing; agile transformation; scaling agile; human-centric agile; and continuous experimentation.

Accelerate

The Science of Lean Software and DevOps: Building and Scaling High Performing Technology Organizations

IT Revolution Winner of the Shingo Publication Award Accelerate your organization to win in the marketplace. How can we apply technology to drive business value? For years, we've been told that the performance of software delivery teams doesn't matter—that it can't provide a competitive

advantage to our companies. Through four years of groundbreaking research to include data collected from the State of DevOps reports conducted with Puppet, Dr. Nicole Forsgren, Jez Humble, and Gene Kim set out to find a way to measure software delivery performance—and what drives it—using rigorous statistical methods. This book presents both the findings and the science behind that research, making the information accessible for readers to apply in their own organizations. Readers will discover how to measure the performance of their teams, and what capabilities they should invest in to drive higher performance. This book is ideal for management at every level.

Service-Driven Approaches to Architecture and Enterprise Integration

IGI Global While business functions such as manufacturing, operations, and marketing often utilize various software applications, they tend to operate without the ability to interact with each other and exchange data. This provides a challenge to gain an enterprise-wide view of a business and to assist real-time decision making. *Service-Driven Approaches to Architecture and Enterprise Integration* addresses the issues of integrating assorted software applications and systems by using a service driven approach. Supporting the dynamics of business needs, this book highlights the tools, techniques, and governance aspects of design, and implements cost-effective enterprise integration solutions. It is a valuable source of information for software architects, SOA practitioners, and software engineers as well as researchers and students in pursuit of extensible and agile software design.

The Practice of Enterprise Modeling 11th IFIP WG 8.1. Working Conference, PoEM 2018, Vienna, Austria, October 31 – November 2, 2018, Proceedings

Springer This volume constitutes the proceedings of the 11th IFIP WG 8.1 Conference on the Practice of Enterprise Modeling held in

October/November 2018 in Vienna, Austria. The conference was created by the International Federation for Information Processing (IFIP) Working Group 8.1 to offer a forum for knowledge transfer and experience sharing between the academic and practitioner communities. The 21 full papers and 5 short papers accepted were carefully reviewed and selected from 64 submissions. They are grouped by the following topics: business process modeling, model derivation; collaboration modeling; reviews and analyses of modeling methods; semantics and reasoning, experience reports; and teaching challenges.

Software Quality. The Future of Systems- and Software Development

8th International Conference,
SWQD 2016, Vienna, Austria,
January 18-21, 2016, Proceedings

Springer This book constitutes the refereed proceedings of the scientific track of the 8th Software Quality Days Conference, SWQD 2016, held in Vienna, Austria, in January 2016. The SWQD conference offers a range of comprehensive and valuable information by presenting new ideas from the latest research papers, keynote speeches by renowned academics and industry leaders, professional lectures, exhibits, and tutorials. The five scientific full papers accepted for SWQD were each peer reviewed by three or more reviewers and selected out of 13 high-quality submissions. Further, nine short papers were also presented and are included in this book. In addition, one keynote paper by Scott Ambler and Mark Lines is also included.

Introduction to Disciplined Agile Delivery

A Small Agile Team's Journey from

Scrum to Continuous Delivery

CreateSpace **Introduction to Disciplined Agile Delivery** provides a quick overview of how agile software development works from beginning-to-end. It describes the Disciplined Agile Delivery (DAD) process decision framework and then works through a case study describing a typical agile team's experiences adopting a disciplined agile approach. The book describes how the team develops the first release of a mission-critical application while working in a legacy enterprise environment. It describes their experiences from beginning-to-end, starting with their initial team initiation efforts through construction and finally to deploying the solution into production. It also describes how the team stays together for future releases, overviewing their process improvement efforts from their Scrum-based beginnings through to a lean continuous delivery approach that fits in with their organization's evolving DevOps strategy. The DAD framework is a hybrid of existing methods such as Scrum, Kanban, Agile Modeling, SAFe, Extreme Programming, Agile Data, Unified Process and many others. DAD provides the flexibility to use various approaches and plugs the gaps not addressed by mainstream agile methods. In a nutshell, DAD is "pragmatic agile." DAD describes proven strategies to adapt and scale your agile initiatives to suit the unique realities of your enterprise without having to figure it all out by yourself. Here's an overview of what each chapter covers: * Chapter 1: Introduction. This chapter provides a quick overview of the book and a brief history of Disciplined Agile. * Chapter 2: Reality over Rhetoric. This chapter explores several common myths about DAD and more importantly disproves them. * Chapter 3: Disciplined Agile Delivery in a Nutshell. This chapter provides a brief yet comprehensive overview of the DAD framework. * Chapter 4: Introduction to the Case Study. This chapter introduces us to the team, describes the market opportunity that they hope to address, and describes the environment in which they're working. * Chapter 5: Inception. The team's initiation effort includes initial requirements modeling and planning with their stakeholders in a streamlined manner, initial architecture modeling, setting up their physical work environment, setting up the start of their tooling infrastructure, initial risk identification, and finally securing stakeholder support and funding for the rest of the first release. * Chapters 6 through 10: Construction. These chapters each describe a single Construction iteration, sharing the team's experiences during each of those two-week timeboxes. * Chapter 11: Transition. The two-week transition phase focuses on final testing and fixing, training the support/help-desk staff, finishing a few short end-user "how to" videos, and deploying the solution into production. * Chapter 12: Future Releases. This chapter overviews the team's improvement efforts over the next few releases, describing how they evolve from the agile Scrum-based lifecycle to a leaner approach and eventually to continuous delivery. * Chapter 13:

Closing Thoughts. This chapter overviews the disciplined agile resources that are available to you. * **Appendix: The Disciplined Agile IT Department.** This short appendix overviews our ongoing work on the Disciplined Agile framework to address the full scope of an IT department. At 102 pages, you should find this book to be a quick, informative read.

Software Testing in the Cloud: Perspectives on an Emerging Discipline

Perspectives on an Emerging Discipline

IGI Global In recent years, cloud computing has gained a significant amount of attention by providing more flexible ways to store applications remotely. With software testing continuing to be an important part of the software engineering life cycle, the emergence of software testing in the cloud has the potential to change the way software testing is performed. **Software Testing in the Cloud: Perspectives on an Emerging Discipline** is a comprehensive collection of research by leading experts in the field providing an overview of cloud computing and current issues in software testing and system migration. Deserving the attention of researchers, practitioners, and managers, this book aims to raise awareness about this new field of study.

Cloud Technology: Concepts, Methodologies, Tools, and Applications

Concepts, Methodologies, Tools, and Applications

IGI Global As the Web grows and expands into ever more remote parts of the world, the availability of resources over the Internet increases exponentially. Making use of this widely prevalent tool, organizations and individuals can share and store knowledge like never before. Cloud

Technology: Concepts, Methodologies, Tools, and Applications investigates the latest research in the ubiquitous Web, exploring the use of applications and software that make use of the Internet's anytime, anywhere availability. By bringing together research and ideas from across the globe, this publication will be of use to computer engineers, software developers, and end users in business, education, medicine, and more.

Lean Enterprise

O'Reilly Media **How well does your organization respond to changing market conditions, customer needs, and emerging technologies when building software-based products? This practical guide presents Lean and Agile principles and patterns to help you move fast at scale—and demonstrates why and how to apply these paradigms throughout your organization, rather than with just one department or team. Through case studies, you'll learn how successful enterprises have rethought everything from governance and financial management to systems architecture and organizational culture in the pursuit of radically improved performance. Discover how Lean focuses on people and teamwork at every level, in contrast to traditional management practices Approach problem-solving experimentally by exploring solutions, testing assumptions, and getting feedback from real users Lead and manage large-scale programs in a way that empowers employees, increases the speed and quality of delivery, and lowers costs Learn how to implement ideas from the DevOps and Lean Startup movements even in complex, regulated environments**

Extreme Scoping

An Agile Approach to Enterprise Data Warehousing and Business Intelligence

Technics Publications **Do your business intelligence (BI) projects take too long to deliver? Is the value of the deliverables less than satisfactory? Do these projects propagate poor data management practices? If you screamed "yes" to any of these questions, read this book to master a proven approach to building your enterprise data warehouse and BI initiatives. Extreme Scoping, based on the Business Intelligence Roadmap, will show you how to build analytics applications rapidly yet not sacrifice data management and enterprise architecture. In addition, all of the roles required to deliver all seven steps of this agile methodology are explained along with many real-world examples. From Wayne Eckerson's Foreword I've read many books about data warehousing and business intelligence**

(BI). This book by Larissa Moss is one of the best. I should not be surprised. Larissa has spent years refining the craft of designing, building, and delivering BI applications. Over the years, she has developed a keen insight about what works and doesn't work in BI. This book brings to light the wealth of that development experience. Best of all, this is not some dry text that laboriously steps readers through a technical methodology. Larissa expresses her ideas in a clear, concise, and persuasive manner. I highlighted so many beautifully written and insightful paragraphs in her manuscript that it became comical. I desperately wanted the final, published book rather than the manuscript so I could dog-ear it to death and place it front-and-center in my office bookshelf! From David Well's Foreword Extreme Scoping is rich with advice and guidance for virtually every aspect of BI projects from planning and requirements to deployment and from back-end data management to front-end information and analytics services. Larissa is both a pragmatist and an independent thinker. Those qualities come through in the style of this book. Extreme Scoping is a well-written book that is easy to absorb. It is not full of surprises. It is filled with a lot of common sense and lessons learned through experience.