

Pdf free Collaborative enterprise architecture enriching ea with lean agile and enterprise 20 practices (PDF)

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

links to related materials and support for discussions of the book's content the lean agile pocket guide for scrum teams is a useful reference for scrum teams who have had some basic training and want to use scrum in the context of lean it is designed to assist the transition to effective scrum practices that enable enterprise delivery of value to customers while this is not a book on lean practices it is presented in a manner that is consistent with lean thinking 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 though 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 this book defines nine wastes found in project management and demonstrates how they can be addressed with lean technology 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 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

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transformation the lean and agile philosophies are terms that define modern technics to make our projects fast and efficient without adding costs or reducing quality the five principles of the lean thinking have its origin during the 90s decade in a japanese automotive industry this approach helps to improve the efficiency in mass production projects by focusing in adding value to the client and removing waste from the project value flow ten years later the manifesto for agile software development and its twelve agile principles got popular these ideas propose not to be too strict with plans and processes context can change permanently and we need to be flexible with the client in order to quickly adapt to those changes if we want to submit the deliverables we have been asked for from these two currents of thoughts one that focuses on mass production and another that focuses on software projects in this book we will develop ideas 100 practical to improve efficiency and timeliness of any type of project management also some of the concepts in this book will allow us to become more agile leaders in our daily activities the author pablo lled has written eight books on project management some of them have been published by mayor publishing companies the author states that the benefits of reading this book are understand the lean agile philosophy in a very simple way learn lessons from more than 20 real cases gain knowledge through more than 10 practical exercises save time and money when compared with other books be a better project manager ever changing business needs have prompted large companies to rethink their enterprise it today businesses must allow interaction with their customers partners and employees at more touch points and at a depth never thought previously at the same time rapid advances in information technologies like business digitization cloud computing and 2 0 demand fundamental changes in the enterprises management practices these changes have a drastic effect not only on it and business but also on policies processes and people many companies therefore embark on enterprise wide transformation initiatives the role of enterprise architecture ea is to architect and supervise this transformational journey unfortunately today s ea is often a ponderous and detached exercise

with most of the ea initiatives failing to create visible impact the enterprises need an ea that is agile and responsive to business dynamics collaborative enterprise architecture provides the innovative solutions today s enterprises require informed by real world experiences and experts insights this book in its first part provides a systematic compendium of the current best practices in ea analyzes current ways of doing ea and identifies its constraints and shortcomings in the second part it leaves the beaten tracks of ea by introducing lean agile and enterprise 2 0 concepts to the traditional ea methods this blended approach to ea focuses on practical aspects with recommendations derived from real world experiences a truly thought provoking and pragmatic guide to manage ea collaborative enterprise architecture effectively merges the long term oriented top down approach with pragmatic bottom up thinking and that way offers real solutions to businesses undergoing enterprise wide change covers the latest emerging technologies affecting business practice including digitization cloud computing agile software development and 2 0 focuses on the practical implementation of eam rather than theory with recommendations based on real world case studies addresses changing business demands and practices including enterprise 2 0 open source global sourcing and more takes an innovative approach to eam merging standard top down and pragmatic bottom up strategies offering real solutions to businesses undergoing enterprise wide changes 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 safe 5 0 the world s leading framework for business agility those who master large scale software delivery will define the economic landscape of the twenty first century safe 5 0 is a monumental release that i am convinced will be key in helping countless enterprise organizations succeed in their shift from project to product dr mik kersten ceo of tasktop and author of the book project to product business agility is the ability to compete and thrive in the digital age by quickly responding to unprecedented market changes threats and emerging opportunities with innovative business solutions safe 5 0 distilled achieving business agility with scaled agile framework explains how adopting safe helps enterprises use the power of agile lean and devops to outflank the competition and deliver complex technology based business solutions in the shortest possible time this book will help you understand the business case for safe its benefits and the problems it solves learn the technical organizational and leadership competencies needed for business agility refocus on customer centricity with design thinking better align strategy and execution with lean portfolio management learn the leadership skills needed to thrive in the digital age increase the flow of value to customers with value stream networks register your book for convenient access to downloads updates and or

corrections as they become available see inside book for details use this practical step by step guide on lean agile strategy to harness technological disruption at your large business to successfully advance your business rather than suffer a loss of business the lean agile enterprise concept is demystified and translated into action as the author shares his experience with both success and major failure in areas such as healthcare insurance major airline manufacturing financial services education and big data the author shares the good the bad and the ugly of enterprise level adoption of lean startup practices what we call a lean corporation the book provides step by step instructions specifically targeted to technologists in multiple roles from ceo to a developer on the ground on how to build a lean agile corporation and avoid common traps building on the experience of the lean startup framework of steven blank and eric reis this book takes these concepts to the enterprise level by providing tips and best practice guidelines sharing horror stories and common anti patterns in a fun and engaging way what you ll learn discover how you can contribute to your company as it becomes a lean agile corporation and survives technological and digital disruption beat facebook amazon apple and google at their own game by using methods they use to quickly experiment with new services and features understand how to advance your career in a lean startup framework know how you can trace your company s success to your daily work who this book is for those in technology and business who are interested in strategy business agility management execution new technologies and in the future of the business world 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 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 featureslearn how to be agile at scale by implementing best practicesunderstand 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 needsbook 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 offering guidance on how to develop a lean and agile value chain this unique volume provides a comprehensive framework for driving out costs reducing lead times making flexibility improvements eliminating non value added activities and growing market share and profitability scrum done right is a scrum manual and hand book for scrum masters every step artefact and ceremony of the process are explained in details and helps you to understand the lean agile mindset scrum done right has been created with input from several scrum masters and agile coaches to give you the help you need to run scrum the right way use it as a compendium or a go to guide when implementing and improving agile methods in

your organization scrum done right is also a great study guide to assist you when taking your scrum master certification psm smac or similar do you see in digital technology the opportunity to meet customer needs more effectively do you recognise that this may have profound implications for how your organisation should work do you want to help bring that about regardless of whether you consider yourself a technologist if your answer to those questions is e yes e you are what we refer to in this book as a digital leader if you can see yourself as a digital leader aspire to be one or think that sometime soon you might need to become one then this book is for you or perhaps you re here primarily to feed an existing interest in lean and agile whatever your current level of knowledge this book is for you too especially if you re interested also in organisation design and leadership you will find here both an accessible guide to the lean agile landscape and through the right to left metaphor a helpfully challenging perspective on it the book s digital scope might not coincide exactly with yours but it s rich with authentic examples not only of lean agile practice but of right to left needs based and outcome oriented thinking too topics covered in right to left all viewed through a lens that puts needs and outcomes ahead of solutions lean agile and lean agilekey frameworks team level scale independent and scaledgovernance and strategyleadership and organisation 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 how to scale atdd to large projects more and more agile projects are seeking architectural roots as they struggle with complexity and scale and they re seeking lightweight ways to do it still seeking in this book the authors help you to find your own path taking cues from lean development they can help steer your project toward practices with longstanding track records up front architecture sure you can deliver an architecture as code that compiles and that concretely guides development without bogging it down in a mass of documents and guesses about the implementation documentation even a whiteboard diagram or a crc card is documentation the goal isn t to avoid documentation but to document just the right things in just the right amount process this all works within the frameworks of scrum xp and other agile approaches lean software development an agile toolkit adapting agile practices to your development organization uncovering and eradicating waste throughout the software development lifecycle practical techniques for every development manager project manager and technical leader

software development applying agile principles to your organization in lean software development mary and tom poppendieck identify seven fundamental lean principles adapt them for the world of software development and show how they can serve as the foundation for agile development approaches that work along the way they introduce 22 thinking tools that can help you customize the right agile practices for any environment better cheaper faster software development you can have all three if you adopt the same lean principles that have already revolutionized manufacturing logistics and product development iterating towards excellence software development as an exercise in discovery managing uncertainty decide as late as possible by building change into the system compressing the value stream rapid development feedback and improvement empowering teams and individuals without compromising coordination software with integrity promoting coherence usability fitness maintainability and adaptability how to see the whole even when your developers are scattered across multiple locations and contractors simply put lean software development helps you refocus development on value flow and people so you can achieve breakthrough quality savings speed and business alignment lean and agile development for large scale products key practices 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 drawing on their long experience leading and guiding lean and agile adoptions for large multisite and offshore product development internationally recognized consultant and best selling author craig larman and former leader of the agile transformation at nokia networks bas vodde share the key action tools needed for success coverage includes frameworks for large scale scrum for multihundred person product groups testing and building quality in product management and the end of the contract game between business and r d envisioning a large release and planning for multiteam development low quality legacy code why it s created and how to stop it continuous integration in a large multisite context agile architecting multisite

offshore development contracts and outsourced development in a competitive environment that demands ever faster cycle times and greater innovation the practices inspired by lean thinking and agile principles are ever more relevant practices for scaling lean agile development will help people realize a lean enterprise and deliver on the significant benefits of agility in addition to the action tools in this text see the companion book scaling lean agile development thinking and organizational tools for large scale scrumfor complementary foundation tools over the last decade lean agile principles have become the standard methodology by which product and technology teams operate however lean agile was written for small companies seeking new markets to buy their innovative software products not for an average corporation with a catalogue of existing software products that must be maintained and rebuilt the typical tech enabled business isn't a lean startup it's a chunky corporate this book offers an alternative software development methodology perfectly suited for chunky corporate product management you'll quickly find out how individual players in the corporate organization impact business performance you'll follow the story of Blake a well-meaning but ultimately naive CEO of a fictional company called Acme Tech as he and Acme struggle to maintain business performance it becomes apparent how embedded and complex his challenges are lean agile principles are regularly misapplied in the corporate environment causing tension missed deadlines and inefficient working practices you'll see that managing software transformation at a large mature business requires a new set of tools popular development methodologies are not well suited for the replatforming exercises that chunky corporates inevitably face this book helps product and technology leaders navigate software development projects at organizations grappling with the constraints of investor ownership chunky corporates have a lot going for them the lean agile dilemma reveals that when managed well they have the potential to be safe havens in a relentlessly unstable world you will understand how replatforming differs from new product development learn how to manage existing data when updating or building new

software prioritize within an overstuffed product roadmap who this book is for product managers product owners product leadership tech leadership and business leaders at mature tech enabled businesses as companies evolve to adopt integrate and leverage software as the defining element of their success in the 21st century a rash of processes and methodologies are vying for their product teams attention in the worst of cases each discipline on these teams product management design and software engineering learn a different model this short tactical book reconciles the perceived differences in lean startup design thinking and agile software development by focusing not on rituals and practices but on the values that underpin all 3 methods what is this book about communicate business needs in an agile e g scrum or lean e g kanban environment problem solvers are in demand in every organization large and small from a mom and pop shop to the federal government increase your confidence and your value to organizations by improving your ability to analyze extract express and discuss business needs in formats supported by agile lean and devops the single largest challenge facing organizations around the world is how to leverage their information technology to gain competitive advantage this is not about how to program the devices it is figuring out what the devices should do the skills needed to identify and define the best it solutions are invaluable for every role in the organization these skills can propel you from the mail room to the boardroom by making your organization more effective and more profitable whether you are tasked with defining business needs for a product or existing software need to prove that a digital solution works want to expand your user story and requirements discovery toolkit or are interested in becoming a business analyst this book presents invaluable ideas that you can steal the future looks bright for those who embrace lean concepts and are prepared to engage with the business community to ensure the success of agile initiatives what you will learn learn step by step when and how to define lean agile requirements agile lean devops and continuous delivery do not change the need for good business analysis in this book you will learn how the new software development

philosophies influence the discovery expression and analysis of business needs we will cover user stories features and quality requirements a k a non functional requirements nfr user story splitting and feature drill down transform business needs into technology solutions acceptance tests scenarios scenario outlines and examples have become a critical part of many lean development approaches to support this new testing paradigm you will also learn how to identify and optimize scenarios scenario outlines and examples in given when then format gherkin that are the bases for acceptance test driven development atdd and behavior driven development bdd this book presents concrete approaches that take you from day one of a change initiative to the ongoing acceptance testing in a continuous delivery environment the authors introduce novel and innovative ideas that augment tried and true techniques for discovering and capturing what your stakeholders need writing and refining the needs as the work progresses and developing scenarios to verify that the software does what it should approaches that proved their value in conventional settings have been redefined to ferret out and eliminate waste a pillar of the lean philosophy those approaches are fine tuned and perfected to support the lean and agile movement that defines current software development in addition the book is chock full of examples and exercises that allow you to confirm your understanding of the presented ideas who will benefit from reading this book how organizations develop and deliver working software has changed significantly in recent years because the change was greatest in the developer community many books and courses justifiably target that group there is however an overlooked group of people essential to the development of software as an asset that have been neglected many distinct roles or job titles in the business community perform business needs analysis for digital solutions they include product owners business analysts requirements engineers test developers business and customer side team members agile team members subject matter experts sme project leaders and managers systems analysts and designers and anyone wearing the business analysis hat meaning anyone responsible for defining a future it solution

angela s the authors story like all good it stories theirs started on a project many years ago tom was the super techie angela the super sme they fought their way through the 3 year development of a new policy maintenance system for an insurance company they vehemently disagreed on many aspects but in the process discovered a fundamental truth about it projects the business community angela should decide on the business needs while the technical team s tom s job was to make the technology deliver what the business needed talk about a revolutionary idea all that was left was learning how to communicate with each other without bloodshed to make the project a resounding success mission accomplished they decided this epiphany was so important that the world needed to know about it as a result they made it their mission and their passion to share this ground breaking concept with the rest of the world to achieve that lofty goal they married and began the mission that still defines their life after over 30 years of living and working together 24x7x365 they are still wildly enthusiastic about helping the victims of technology learn how to ask for and get the it solutions they need to do their jobs better more importantly they are more enthusiastically in love with each other than ever before 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 accelerating a company s rate of new product introductions requires more than a focus on project execution it requires fostering a culture that enables the talented team members already on board to contribute at their maximum potential we are fortunate three such new product development systems cultures have already been articulated lean agile and knowledge based what is even more fortunate is that you do not need to choose one from among the three by understanding the historical context behind these dominant methods and encountering them side by side you will see the underlying principles that are common to them all and rather than choose one of these for your organization or team the great convergence proposes merging them into a single unified framework doing so will allow your team to retain the unique strengths of each one while taking advantage of the major themes common to them all if you are searching for a better way to do new product development the great convergence can help you articulate and implement that change this book draws on a neo institutional theory to characterize service oriented manufacturing firms in relation to more familiar organizational forms such as lean and agile it sheds light on whether being lean is a prerequisite for agile organizations and whether agile organizations are precursors of service oriented organizations the book empirically examines the prevalence of such organizations using representative samples of manufacturing firms in an industrialized country this approach makes it possible to zoom in and

determine whether the extent of adoption of digital manufacturing innovations digital services and service oriented business models varies with organizations size industry product complexity lot size type of design process and type of manufacturing process in turn it shows which digital manufacturing innovations lean practices and services contribute to leanness related performance capabilities like quality and costs agility related capabilities like fast delivery flexibility and innovation and service oriented capabilities like high service performance and digitalization in addition it explores the question of whether lean agile and service oriented performance capabilities contribute to financial performance separately or jointly learning agile is a comprehensive guide to the most popular agile methods written in a light and engaging style that makes it easy for you to learn agile has revolutionized the way teams approach software development but with dozens of agile methodologies to choose from the decision to go agile can be tricky this practical book helps you sort it out first by grounding you in agile s underlying principles then by describing four specific and well used agile methods scrum extreme programming xp lean and kanban each method focuses on a different area of development but they all aim to change your team s mindset from individuals who simply follow a plan to a cohesive group that makes decisions together whether you re considering agile for the first time or trying it again you ll learn how to choose a method that best fits your team and your company understand the purpose behind agile s core values and principles learn scrum s emphasis on project management self organization and collective commitment focus on software design and architecture with xp practices such as test first and pair programming use lean thinking to empower your team eliminate waste and deliver software fast learn how kanban s practices help you deliver great software by managing flow adopt agile practices and principles with an agile coach 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 this book explores the application of agile and lean techniques originally from the field of software development and manufacturing to various aspects of education it covers a broad range of topics including applying agile teaching and learning techniques in the classroom incorporating lean thinking in educational workflows and using team based approaches to student centred activities based on agile principles and processes demonstrating how agile and lean ideas can concretely be applied to education the book offers practical guidance on how to apply these ideas in the classroom or lecture hall as well as new concepts that could spark further research and development agile project management beginner's guide to agile operations and methodologies for quality control are you new to project management or looking to solidify your understanding of the agile project management then this is just the book you have been looking for the book was carefully written to help you gain a solid understanding of the fundamental concepts of agile project management that have evolved as the new backbone of the software development lifecycle to make software development projects more flexible with high efficiency the agile project management was introduced in the last decade and has quickly evolved as the new industry standard for project management lean six sigma the beginner's step by step guide to lean six sigma are you ready to learn some of the best ways to help increase customer satisfaction make the best products and increase employee morale in one process are you interested in reducing the amount of waste that you find in your business and thereby increase how much

your profits grow then lean six sigma may be the right option for you kaizen how to apply kaizen to improve productivity communication and performance are you looking for a method that will help you to reduce waste increase employee morale and help you to provide more value to the customer all while improving your profits do you want to make sure that you are able to learn more about your customers and all that you can provide to them in a way that no one else can then kaizen may be the best option to help you get started kanban step by step guide to learning kanban there is so much that we can appreciate when it is time to work with the kanban system and ensuring that it will do what we want it is a fantastic way to keep everyone on the same page and it is as simple as using a few cards to bring all of the tasks together in the first place when you are ready to learn more about kanban and what we can use it for whether you are in the manufacturing industry or not make sure to check out this guidebook to get started after you follow the simple kanban steps the only thing left to do is enjoy your new business and all the benefits to come lean analytics build a better and faster startup business this guidebook is going to take some time to look at lean analytics and all it has to offer it is a simple idea and methodology that helps us to cut down on the amount of waste that we are dealing with while promoting continuous improvement that happens little by little over time this makes it more efficient easier to work with and one of the best decisions you can make lean enterprise build a lean business with six sigma kanban and 5s methodologies are you interested in finding the best way to cut down on wastes allow your employees to be a part of all the steps and processes that happen in your business and more are you tired of seeing the competition beat you out and the fact that they do things you can't afford but you can't find ways to cut down on your costs would you like to become more efficient with your work and provide higher customer satisfaction if these are problems you have been dealing with then lean thinking is the right option to go with scrum a quick guide to agile project management even if you have tried something different something that made some big promises about the results you will get and then failed

you will find that agile and scrum can take any business and make it as successful as possible we will show you how to make this happen and how simple agile and scrum can be inside this guidebook 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 lean principles and agile methodologies are together changing the world of product development and management agile is the ability to quickly and naturally adapt to respond to changes most companies are inherently fragile and not agile when they are hit by new developments shifting consumer behavior or fast moving competition they

struggle and even cease to exist inner building blocks is a novel about neil frost a director of digital transformation and agile centre of excellence at walkers mart the company is already grappling with a failing transformation and on the verge of bankruptcy when covid 19 strikes sid the coach instils constructive discomfort through a series of probing questions to rethink agility and reimagine the future of work with hybrid operating models launch a series of experiments to reinvent the building blocks e g strategy talent culture structures practices and digital technologies discover twenty six solutions to embrace lean agile mindset for strategic agility could the company survive amid the global pandemic and ensuing supply chain challenges a compelling storytelling approach and provocative dialogues provide relatable context to adopt the concepts the principles and techniques are delicately camouflaged within the underlying characters their conversations and situations in the face of growing customer expectations turbulent economic conditions and increasing it complexity ideal execution of it strategies have never been more important and challenging this book is about methods of delivering the most value at the lowest cost it offers a collection of business and technical problem solving techniques to solve many of the recurring it problems in your firm if you are looking to transform your it organization into a lean high velocity high quality and high precision machine that can deliver amazing results with less this book is for you simply apply the lean agile and six sigma methods outlined in this book and see the remarkable improvements in customer satisfaction and return on your it investments the lessons in this book are for the entire management team for those who want to achieve perfection with it for the senior executive the it strategist and the practitioners alike

Lean-Agile Software Development

2009-10-22

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 site netobjectives.com lasd provides updates links to related materials and support for discussions of the book s content

Lean-Agile Pocket Guide for Scrum Teams

2014-07-10

the lean agile pocket guide for scrum teams is a useful reference for scrum teams who have had some basic training and want to use scrum in the context of lean it is designed to assist the transition to effective scrum practices that enable enterprise delivery of value to customers while this is not a book on lean practices it is presented in a manner that is consistent with lean thinking

Lean and Agile Project Management

2017-02-03

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 though 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 this book defines nine wastes found in project management and demonstrates how they can be addressed with lean technology

SAFe® 4.0 Reference Guide

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 4.5 Reference Guide

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

SAFE 4.0 Distilled

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

Lean & Agile Project Management

2014-07-16

the lean and agile philosophies are terms that define modern technics to make our projects fast and efficient without adding costs or reducing quality the five principles of the lean thinking have its origin during the 90s decade in a japanese automotive industry this approach helps to improve the efficiency in mass

production projects by focusing in adding value to the client and removing waste from the project value flow ten years later the manifesto for agile software development and its twelve agile principles got popular these ideas propose not to be too strict with plans and processes context can change permanently and we need to be flexible with the client in order to quickly adapt to those changes if we want to submit the deliverables we have been asked for from these two currents of thoughts one that focuses on mass production and another that focuses on software projects in this book we will develop ideas 100 practical to improve efficiency and timeliness of any type of project management also some of the concepts in this book will allow us to become more agile leaders in our daily activities the author pablo lled has written eight books on project management some of them have been published by mayor publishing companies the author states that the benefits of reading this book are understand the lean agile philosophy in a very simple way learn lessons from more than 20 real cases gain knowledge through more than 10 practical exercises save time and money when compared with other books be a better project manager

Collaborative Enterprise Architecture

2012-09-01

ever changing business needs have prompted large companies to rethink their enterprise it today businesses must allow interaction with their customers partners and employees at more touch points and at a depth never thought previously at the same time rapid advances in information technologies like business digitization cloud computing and 2 0 demand fundamental changes in the enterprises management practices these changes have a drastic effect not only on it and business but also on policies processes and people many companies therefore embark on enterprise wide transformation initiatives the role of enterprise architecture ea is to architect and supervise this transformational journey unfortunately today s ea is

often a ponderous and detached exercise with most of the ea initiatives failing to create visible impact the enterprises need an ea that is agile and responsive to business dynamics collaborative enterprise architecture provides the innovative solutions today s enterprises require informed by real world experiences and experts insights this book in its first part provides a systematic compendium of the current best practices in ea analyzes current ways of doing ea and identifies its constraints and shortcomings in the second part it leaves the beaten tracks of ea by introducing lean agile and enterprise 2 0 concepts to the traditional ea methods this blended approach to ea focuses on practical aspects with recommendations derived from real world experiences a truly thought provoking and pragmatic guide to manage ea collaborative enterprise architecture effectively merges the long term oriented top down approach with pragmatic bottom up thinking and that way offers real solutions to businesses undergoing enterprise wide change covers the latest emerging technologies affecting business practice including digitization cloud computing agile software development and 2 0 focuses on the practical implementation of eam rather than theory with recommendations based on real world case studies addresses changing business demands and practices including enterprise 2 0 open source global sourcing and more takes an innovative approach to eam merging standard top down and pragmatic bottom up strategies offering real solutions to businesses undergoing enterprise wide changes

SAFe 4.5 Distilled

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

Lean-Agile Software Development

2009

safe 5 0 the world s leading framework for business agility those who master large scale software delivery will define the economic landscape of the twenty first century safe 5 0 is a monumental release that i am convinced will be key in helping countless enterprise organizations succeed in their shift from project to product dr mik kersten ceo of tasktop and author of the book project to product business agility is the ability to compete and thrive in the digital age by quickly responding to unprecedented market changes threats and emerging opportunities with innovative business solutions safe 5 0 distilled achieving business agility with scaled agile framework explains how adopting safe helps enterprises use the power of agile lean and

devops to outflank the competition and deliver complex technology based business solutions in the shortest possible time this book will help you understand the business case for safe its benefits and the problems it solves learn the technical organizational and leadership competencies needed for business agility refocus on customer centricity with design thinking better align strategy and execution with lean portfolio management learn the leadership skills needed to thrive in the digital age increase the flow of value to customers with value stream networks register your book for convenient access to downloads updates and or corrections as they become available see inside book for details

SAFe 5.0 Distilled

2020-06-05

use this practical step by step guide on lean agile strategy to harness technological disruption at your large business to successfully advance your business rather than suffer a loss of business the lean agile enterprise concept is demystified and translated into action as the author shares his experience with both success and major failure in areas such as healthcare insurance major airline manufacturing financial services education and big data the author shares the good the bad and the ugly of enterprise level adoption of lean startup practices what we call a lean corporation the book provides step by step instructions specifically targeted to technologists in multiple roles from ceo to a developer on the ground on how to build a lean agile corporation and avoid common traps building on the experience of the lean startup framework of steven blank and eric reis this book takes these concepts to the enterprise level by providing tips and best practice guidelines sharing horror stories and common anti patterns in a fun and engaging way what you ll learn discover how you can contribute to your company as it becomes a lean agile corporation and survives technological and digital disruption beat facebook amazon apple and google at their own game by

using methods they use to quickly experiment with new services and features understand how to advance your career in a lean startup framework know how you can trace your company s success to your daily work who this book is for those in technology and business who are interested in strategy business agility management execution new technologies and in the future of the business world

The Pragmatist's Guide to Corporate Lean Strategy

2018-04-07

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 safe4 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

SAFe 4.5 Distilled

2018

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 featureslearn how to be agile at scale by implementing best practicesunderstand 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 needsbook 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

Scaling Scrum Across Modern Enterprises

2020-08-31

offering guidance on how to develop a lean and agile value chain this unique volume provides a comprehensive framework for driving out costs reducing lead times making flexibility improvements eliminating non value added activities and growing market share and profitability

Lean and Agile Value Chain Management

2010-01-15

scrum done right is a scrum manual and hand book for scrum masters every step artefact and ceremony of the process are explained in details and helps you to understand the lean agile mindset scrum done right has been created with input from several scrum masters and

agile coaches to give you the help you need to run scrum the right way use it as a compendium or a go to guide when implementing and improving agile methods in your organization scrum done right is also a great study guide to assist you when taking your scrum master certification psm smac or similar

Scrum Done Right

2019-08-12

do you see in digital technology the opportunity to meet customer needs more effectively do you recognise that this may have profound implications for how your organisation should work do you want to help bring that about regardless of whether you consider yourself a technologist if your answer to those questions is e yes e you are what we refer to in this book as a digital leader if you can see yourself as a digital leader aspire to be one or think that sometime soon you might need to become one then this book is for you or perhaps you re here primarily to feed an existing interest in lean and agile whatever your current level of knowledge this book is for you too especially if you re interested also in organisation design and leadership you will find here both an accessible guide to the lean agile landscape and through the right to left metaphor a helpfully challenging perspective on it the book s digital scope might not coincide exactly with yours but it s rich with authentic examples not only of lean agile practice but of right to left needs based and outcome oriented thinking too topics covered in right to left all viewed through a lens that puts needs and outcomes ahead of solutions lean agile and lean agilekey frameworks team level scale independent and scaledgovernance and strategyleadership and organisation

Right to Left

2019-08-15

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

Scaling Lean & Agile Development

2008-12-08

how to scale atdd to large projects

Lean-agile Acceptance Test-driven Development

2011

more and more agile projects are seeking architectural roots as they struggle with complexity and scale and they re seeking lightweight ways to do it still seeking in this book the authors help you to find your own path taking cues from lean development they can help steer your project toward practices with longstanding track records up front architecture sure you can deliver an architecture as code that compiles and that concretely guides development without bogging it down in a mass of documents and guesses about the implementation documentation even a whiteboard diagram or a crc card is documentation the goal isn t to avoid documentation but to document just the right things in just the right amount process this all works within the frameworks of scrum xp and other agile approaches

Lean Architecture

2011-01-06

lean software development an agile toolkit adapting agile practices to your development organization uncovering and eradicating waste throughout the software development lifecycle practical techniques for every development manager project manager and technical leader lean software development applying agile principles to your organization in lean software development mary and tom poppendieck identify seven fundamental lean principles adapt them for the world of software development and show how they can serve as the foundation for agile development approaches that work along the way they introduce 22 thinking tools that can help you customize the right agile practices for any environment better cheaper faster software development you can have all three if you adopt the same lean

principles that have already revolutionized manufacturing logistics and product development iterating towards excellence software development as an exercise in discovery managing uncertainty decide as late as possible by building change into the system compressing the value stream rapid development feedback and improvement empowering teams and individuals without compromising coordination software with integrity promoting coherence usability fitness maintainability and adaptability how to see the whole even when your developers are scattered across multiple locations and contractors simply put lean software development helps you refocus development on value flow and people so you can achieve breakthrough quality savings speed and business alignment

Lean Software Development

2003-05-08

lean and agile development for large scale products key practices 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 drawing on their long experience leading and guiding lean and agile adoptions for large multisite and offshore product development internationally recognized consultant and best selling author craig larman and former leader of the agile transformation at nokia networks bas vodde share the key action tools needed for success coverage includes frameworks for large scale scrum for multihundred person product groups testing and building quality in product management and the end of the contract game between business and r d envisioning a large release and planning for multiteam development low quality legacy code why it s created and how to stop it continuous integration in a large multisite context agile architecting multisite or offshore development contracts and outsourced development in a competitive environment that demands ever faster cycle times and greater innovation the practices inspired by

lean thinking and agile principles are ever more relevant practices for scaling lean agile development will help people realize a lean enterprise and deliver on the significant benefits of agility in addition to the action tools in this text see the companion book scaling lean agile development thinking and organizational tools for large scale scrumfor complementary foundation tools

SAFe 4.0 Reference Guide

2016

over the last decade lean agile principles have become the standard methodology by which product and technology teams operate however lean agile was written for small companies seeking new markets to buy their innovative software products not for an average corporation with a catalogue of existing software products that must be maintained and rebuilt the typical tech enabled business isn't a lean startup it's a chunky corporate this book offers an alternative software development methodology perfectly suited for chunky corporate product management you'll quickly find out how individual players in the corporate organization impact business performance you'll follow the story of Blake a well-meaning but ultimately naive CEO of a fictional company called Acme Tech as he and Acme struggle to maintain business performance it becomes apparent how embedded and complex his challenges are lean agile principles are regularly misapplied in the corporate environment causing tension missed deadlines and inefficient working practices you'll see that managing software transformation at a large mature business requires a new set of tools popular development methodologies are not well suited for the replatforming exercises that chunky corporates inevitably face this book helps product and technology leaders navigate software development projects at organizations grappling with the constraints of investor ownership chunky corporates have a lot going for them the lean agile dilemma reveals that when managed well they have the potential to be safe havens

in a relentlessly unstable world you will understand how replatforming differs from new product development learn how to manage existing data when updating or building new software prioritize within an overstuffed product roadmap who this book is for product managers product owners product leadership tech leadership and business leaders at mature tech enabled businesses

Practices for Scaling Lean & Agile Development

2010-01-26

as companies evolve to adopt integrate and leverage software as the defining element of their success in the 21st century a rash of processes and methodologies are vying for their product teams attention in the worst of cases each discipline on these teams product management design and software engineering learn a different model this short tactical book reconciles the perceived differences in lean startup design thinking and agile software development by focusing not on rituals and practices but on the values that underpin all 3 methods

The Lean-Agile Dilemma

2024-07-07

what is this book about communicate business needs in an agile e g scrum or lean e g kanban environment problem solvers are in demand in every organization large and small from a mom and pop shop to the federal government increase your confidence and your value to organizations by improving your ability to analyze extract express and discuss business needs in formats supported by agile lean and devops the single largest challenge facing organizations around the world is how to leverage their information technology to gain competitive advantage this is not about how to program the devices it is figuring out what the devices should do the skills needed to identify and define the best it

solutions are invaluable for every role in the organization these skills can propel you from the mail room to the boardroom by making your organization more effective and more profitable whether you are tasked with defining business needs for a product or existing software need to prove that a digital solution works want to expand your user story and requirements discovery toolkit or are interested in becoming a business analyst this book presents invaluable ideas that you can steal the future looks bright for those who embrace lean concepts and are prepared to engage with the business community to ensure the success of agile initiatives what you will learn learn step by step when and how to define lean agile requirements agile lean devops and continuous delivery do not change the need for good business analysis in this book you will learn how the new software development philosophies influence the discovery expression and analysis of business needs we will cover user stories features and quality requirements a k a non functional requirements nfr user story splitting and feature drill down transform business needs into technology solutions acceptance tests scenarios scenario outlines and examples have become a critical part of many lean development approaches to support this new testing paradigm you will also learn how to identify and optimize scenarios scenario outlines and examples in given when then format gherkin that are the bases for acceptance test driven development atdd and behavior driven development bdd this book presents concrete approaches that take you from day one of a change initiative to the ongoing acceptance testing in a continuous delivery environment the authors introduce novel and innovative ideas that augment tried and true techniques for discovering and capturing what your stakeholders need writing and refining the needs as the work progresses and developing scenarios to verify that the software does what it should approaches that proved their value in conventional settings have been redefined to ferret out and eliminate waste a pillar of the lean philosophy those approaches are fine tuned and perfected to support the lean and agile movement that defines current software development in addition the book is chock full of examples and exercises that allow

you to confirm your understanding of the presented ideas who will benefit from reading this book how organizations develop and deliver working software has changed significantly in recent years because the change was greatest in the developer community many books and courses justifiably target that group there is however an overlooked group of people essential to the development of software as an asset that have been neglected many distinct roles or job titles in the business community perform business needs analysis for digital solutions they include product owners business analysts requirements engineers test developers business and customer side team members agile team members subject matter experts sme project leaders and managers systems analysts and designers and anyone wearing the business analysis hat meaning anyone responsible for defining a future it solution tom and angela s the authors story like all good it stories theirs started on a project many years ago tom was the super techie angela the super sme they fought their way through the 3 year development of a new policy maintenance system for an insurance company they vehemently disagreed on many aspects but in the process discovered a fundamental truth about it projects the business community angela should decide on the business needs while the technical team s tom s job was to make the technology deliver what the business needed talk about a revolutionary idea all that was left was learning how to communicate with each other without bloodshed to make the project a resounding success mission accomplished they decided this epiphany was so important that the world needed to know about it as a result they made it their mission and their passion to share this ground breaking concept with the rest of the world to achieve that lofty goal they married and began the mission that still defines their life after over 30 years of living and working together 24x7x365 they are still wildly enthusiastic about helping the victims of technology learn how to ask for and get the it solutions they need to do their jobs better more importantly they are more enthusiastically in love with each other than ever before

Lean Vs Agile Vs Design Thinking

2017-01-24

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

Getting and Writing IT Requirements in a Lean and Agile World

2019-07-15

accelerating a company's rate of new product introductions requires more than a focus on project execution; it requires fostering a culture that enables the talented team members already on board to contribute at their maximum potential. We are fortunate that three such new product development systems cultures have already been articulated: lean, agile, and knowledge-based. What is even more fortunate is that you do not need to choose one from among the three by understanding the historical context behind these dominant methods and encountering them side by side. You will see the underlying principles that are common to them all, and rather than choose one of these for your organization or team, the Great Convergence proposes merging them into a single unified framework. Doing so will allow your team to retain the unique strengths of each one while taking advantage of the major themes common to them all. If you are searching for a better way to do new product development, the Great Convergence can help you articulate and implement that change.

Lean and Agile Project Management

2020-04-30

This book draws on a neo-institutional theory to characterize service-oriented manufacturing firms in relation to more familiar organizational forms such as lean and agile. It sheds light on whether being lean is a prerequisite for agile organizations and whether agile organizations are precursors of service-oriented organizations. The book empirically examines the prevalence of such organizations using representative samples of manufacturing firms in an industrialized country. This approach makes it possible to zoom in and determine whether the extent of adoption of digital manufacturing innovations, digital services, and service-oriented business models varies with organizations' size, industry, product complexity, lot size, type of design process, and type of manufacturing process. In turn, it shows which digital manufacturing innovations, lean practices, and services contribute to leanness-related performance capabilities like quality and costs, agility,

related capabilities like fast delivery flexibility and innovation and service oriented capabilities like high service performance and digitalization in addition it explores the question of whether lean agile and service oriented performance capabilities contribute to financial performance separately or jointly

SAFe 4.5 Reference Guide

2018

learning agile is a comprehensive guide to the most popular agile methods written in a light and engaging style that makes it easy for you to learn agile has revolutionized the way teams approach software development but with dozens of agile methodologies to choose from the decision to go agile can be tricky this practical book helps you sort it out first by grounding you in agile s underlying principles then by describing four specific and well used agile methods scrum extreme programming xp lean and kanban each method focuses on a different area of development but they all aim to change your team s mindset from individuals who simply follow a plan to a cohesive group that makes decisions together whether you re considering agile for the first time or trying it again you ll learn how to choose a method that best fits your team and your company understand the purpose behind agile s core values and principles learn scrum s emphasis on project management self organization and collective commitment focus on software design and architecture with xp practices such as test first and pair programming use lean thinking to empower your team eliminate waste and deliver software fast learn how kanban s practices help you deliver great software by managing flow adopt agile practices and principles with an agile coach

The Rollout

2016-10-14

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

The Great Convergence

2013-01-26

this book explores the application of agile and lean techniques originally from the field of software development and manufacturing to various aspects of education it covers a broad range of topics including applying agile teaching and learning techniques in the classroom incorporating lean thinking in educational workflows and using team based approaches to student centred activities based on agile principles and processes demonstrating how agile and lean ideas can concretely be applied to education the book offers practical guidance on how to apply these ideas in the classroom or lecture hall as well as new concepts that could spark further research and development

Organizational Models for Industry

4.0

2022-10-19

agile project management beginner s guide to agile operations and methodologies for quality control are you new to project management or looking to solidify

your understanding of the agile project management then this is just the book you have been looking for the book was carefully written to help you gain a solid understanding of the fundamental concepts of agile project management that have evolved as the new backbone of the software development lifecycle to make software development projects more flexible with high efficiency the agile project management was introduced in the last decade and has quickly evolved as the new industry standard for project management lean six sigma the beginner s step by step guide to lean six sigma are you ready to learn some of the best ways to help increase customer satisfaction make the best products and increase employee morale in one process are you interested in reducing the amount of waste that you find in your business and thereby increase how much your profits grow then lean six sigma may be the right option for you kaizen how to apply kaizen to improve productivity communication and performance are you looking for a method that will help you to reduce waste increase employee morale and help you to provide more value to the customer all while improving your profits do you want to make sure that you are able to learn more about your customers and all that you can provide to them in a way that no one else can then kaizen may be the best option to help you get started kanban step by step guide to learning kanban there is so much that we can appreciate when it is time to work with the kanban system and ensuring that it will do what we want it is a fantastic way to keep everyone on the same page and it is as simple as using a few cards to bring all of the tasks together in the first place when you are ready to learn more about kanban and what we can use it for whether you are in the manufacturing industry or not make sure to check out this guidebook to get started after you follow the simple kanban steps the only thing left to do is enjoy your new business and all the benefits to come lean analytics build a better and faster startup business this guidebook is going to take some time to look at lean analytics and all it has to offer it is a simple idea and methodology that helps us to cut down on the amount of waste that we are dealing with while promoting continuous improvement that happens little by little over time this makes it

more efficient easier to work with and one of the best decisions you can make lean enterprise build a lean business with six sigma kanban and 5s methodologies are you interested in finding the best way to cut down on wastes allow your employees to be a part of all the steps and processes that happen in your business and more are you tired of seeing the competition beat you out and the fact that they do things you can t afford but you can t find ways to cut down on your costs would you like to become more efficient with your work and provide higher customer satisfaction if these are problems you have been dealing with then lean thinking is the right option to go with scrum a quick guide to agile project management even if you have tried something different something that made some big promises about the results you will get and then failed you will find that agile and scrum can take any business and make it as successful as possible we will show you how to make this happen and how simple agile and scrum can be inside this guidebook

Learning Agile

2014-11-12

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

Agile and Lean Program Management

2016-02-05

lean principles and agile methodologies are together changing the world of product development and management

Agile and Lean Concepts for Teaching and Learning

2018-10-24

agile is the ability to quickly and naturally adapt to respond to changes most companies are inherently fragile and not agile when they are hit by new developments shifting consumer behavior or fast moving competition they struggle and even cease to exist inner building blocks is a novel about neil frost a director of digital transformation and agile centre of excellence at walkers mart the company is already grappling with a failing transformation and on the verge of bankruptcy when covid 19 strikes sid the coach instills constructive discomfort through a series of

probing questions to rethink agility and reimagine the future of work with hybrid operating models launch a series of experiments to reinvent the building blocks e g strategy talent culture structures practices and digital technologies discover twenty six solutions to embrace lean agile mindset for strategic agility could the company survive amid the global pandemic and ensuing supply chain challenges a compelling storytelling approach and provocative dialogues provide relatable context to adopt the concepts the principles and techniques are delicately camouflaged within the underlying characters their conversations and situations

Inner Building Blocks

2022-05-15

in the face of growing customer expectations turbulent economic conditions and increasing it complexity ideal execution of it strategies have never been more important and challenging this book is about methods of delivering the most value at the lowest cost it offers a collection of business and technical problem solving techniques to solve many of the recurring it problems in your firm if you are looking to transform your it organization into a lean high velocity high quality and high precision machine that can deliver amazing results with less this book is for you simply apply the lean agile and six sigma methods outlined in this book and see the remarkable improvements in customer satisfaction and return on your it investments the lessons in this book are for the entire management team for those who want to achieve perfection with it for the senior executive the it strategist and the practitioners alike

Fundamental Elements of Lean

2020-06-03

The Scrumban [R]Evolution

2015-06-29

Lean-Agile Guide

2013-04-12

The Inner Building Blocks

2022-05-06

Lean, Agile and Six Sigma Information Technology Management

2008

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