

SAFe 4 0 Distilled: Applying The Scaled Agile Framework For Lean Software And Systems Engineering

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

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

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

Agile Software Requirements

Continuously Delivering an Integrated Product with Multiple Scrum Teams

Purification of Laboratory Chemicals

Essential Oils in Food Preservation, Flavor and Safety

Organizing Business and Technology Teams for Fast Flow

Applying the Scaled Agile FrameworkA? for Lean Software and Systems Engineering

The Systems Modeling Language (SysML) extends UML with powerful systems engineering capabilities for modeling a wider spectrum of systems and capturing all aspects of a system's design. SysML Distilled is the first clear, concise guide for everyone who wants to start creating effective SysML models. (Drawing on his pioneering experience at Lockheed Martin and NASA, Lenny Delligatti illuminates SysML's core components and provides practical advice to help you create good models and good designs. Delligatti begins with an easy-to-understand overview of Model-Based Systems Engineering (MBSE) and an explanation of how SysML enables effective system specification, analysis, design, optimization, verification, and validation. Next, he shows how to use all nine types of SysML diagrams, even if you have no previous experience with modeling languages. A case study running through the text demonstrates the use of SysML in modeling a complex, real-world sociotechnical system. Modeled after Martin Fowler's classic UML Distilled, Delligatti's indispensable guide quickly teaches you what you need to know to get started and helps you deepen your knowledge incrementally as the need arises. Like SysML itself, the book is method independent and is designed to support whatever processes, procedures, and tools you already use. Coverage Includes Why SysML was created and the business case for using it Quickly putting SysML to practical use What to know before you start a SysML modeling project Essential concepts that apply to all SysML diagrams SysML diagram elements and relationships Diagramming block definitions, internal structures, use cases, activities, interactions, state machines, constraints, requirements, and packages Using allocations to define mappings among elements across a model SysML notation tables, version changes, and sources for more information

The SAFe foundation -- The SAFe implementation roadmap -- The SAFe principles -- The team level -- The program level -- The spanning palette -- The large solution level -- The portfolio level -- Advanced topics -- Glossary.

"Companies have been implementing large agile projects for a number of years, but the 'stigma' of 'agile only works for small projects' continues to be a frequent barrier for newcomers and a rallying cry for agile critics.

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

The Art of Avoiding a Train Wreck: Tips and Tricks for Launching Safe Agile Release Trains

Review of EPA's Program to Assure the Safety and Effectiveness of Disinfectant Products

Scaling Agile with Jira Align

A practical guide to strategically scaling agile across teams, programs, and portfolios in enterprises

Best Practices for Large Enterprises

Scaled Agile Framework® for Lean Software and Systems Engineering

Considers S. 355 and related S. 467, S. 1094, S. 1178, S. 1300, and S. 1907, to strengthen Federal coal mining health and safety regulations.

A guide to the use of essential oils in food, including information on their composition, extraction methods, and their antioxidant and antimicrobial applications Consumers' food preferences are moving away from synthetic additives and preservatives and there is an increase demand for convenient packaged foods with long shelf lives. The use of essential oils fills the need for more natural preservatives to extend the shelf-life and maintaining the safety of foods. Essential Oils in Food Processing offers researchers in food science a guide to the chemistry, safety and applications of these easily accessible and eco-friendly substances. The text offers a review of essential oils components, history, source and their application in foods and explores common and new extraction methods of essential oils from herbs and spices. The authors show how to determine the chemical composition of essential oils as well as an explanation of the antimicrobial and antioxidant activity of these oils in foods. This resource also delves into the effect of essential oils on food flavor and explores the interaction of essential oils and food components. Essential Oils in Food Processing offers a: Handbook of the use of essential oils in food, including their composition, extraction methods and their antioxidant and antimicrobial applications Guide that shows how essential oils can be used to extend the shelf life of food products whilst meeting consumer demand for "natural" products Review of the use of essential oils as natural flavour ingredients Summary of relevant food regulations as pertaining to essential oils Academic researchers in food science, R&D scientists, and educators and advanced students in food science and nutrition can tap into the most recent findings and basic understanding of the chemistry, application, and safe use of essential oils in food processing.

The second edition of this book is virtually a new book. It is the only comprehensive text on the safety of essential oils and the first review of essential oil/drug interactions and provides detailed essential oil constituent data not found in any other text. Much of the existing text has been re-written, and 80% of the text is completely new. There are 400 comprehensive essential oil profiles and almost 4000 references. There are new chapters on the respiratory system, the cardiovascular system, the urinary system, the digestive system and the nervous system. For each essential oil there is a full breakdown of constituents, and a clear categorization of hazards and risks, with recommended maximum doses and concentrations. There are also 206 Constituent Profiles. There is considerable discussion of carcinogens, the human relevance of some of the animal data, the validity of treating an essential oil as if it was a single chemical, and the arbitrary nature of uncertainty factors. There is a critique of current regulations.

Official Gazette of the United States Patent Office

Hearing Before the Environment, Energy, and Natural Resources Subcommittee of the Committee on Government Operations, House of Representatives, One Hundred First Congress, Second Session, October 2, 1990

Journal of the Society of Chemical Industry

The Nexus Framework for Scaling Scrum

A Dictionary of Applied Chemistry

Functional Nanostructures and Sensors for CBRN Defence and Environmental Safety and Security

Theory and Application of Microbiological Assay first presents an overview of microbiological assay, including general

principles, basic techniques, capabilities, and limitations. This book also explains when to use a certain microbiological assay for specific analysis, citing examples to further clarify the matter. Some chapters discuss the test organisms and solutions, wherein test solutions are the final dilutions at a series of two or more concentrations that have been prepared from reference standard and unknown for application to the test system. Other chapters explore the various aspects of agar diffusion assays, tube assays, and diffusion assays. The book further looks into the quality control procedures, assay design and evaluation, and assay replication. This book will serve as an introduction to newcomers to the field and as a reference source for established workers in microbiological assay.

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.

Advances in Food Safety and Environmental Engineering is a compilation of selected papers from the 2022 4th International Conference on Food Safety and Environmental Engineering (FSEE 2022) and focuses on the research of food engineering and environmental engineering. The proceedings feature the most cutting-edge research directions and achievements related to health and environment. Subjects in these proceedings include: Food Safety and Health Food Nutrition Food Processing and Preservation Environmental Engineering and Technology Ecology and Ecosystem Management This collection of papers aims to promote food safety and environmental development, resource sharing, flexibility and high efficiency. An additional goal is to promote scientific information exchange globally between scientists from the best universities, research centers and high-tech companies.

SysML Distilled

Team Topologies

A Guide for Health Care Professionals

A Brief Guide to the Systems Modeling Language

SAFe 4.0 Distilled

Coal Mine Health and Safety

Over the last decade, techniques for materials preparation and processing at nanometer scale have advanced rapidly, leading to the introduction of novel principles for a new generation of sensors and detectors. At the same time, the chemical industry, transport and agriculture produce huge amounts of dangerous waste gases and liquids, leading to soil, air and water contamination. One more modern threat - international terrorism - demands that scientists make efforts to apply new principles and technologies to protect society against chemical, biological, radiological and nuclear (CBRN) attacks and to develop novel effective technologies for the remediation of large contaminated areas. Accordingly, the main goal of this book is to bring together experts (theorists, experimentalists, engineers and technologists) for an extensive discussion covering: novel principles for functional nanostructures and detector fabrication and implementation, the development of novel technologies for the deactivation of CBRN agents, their experimental realization and their application in novel monitoring and control systems, and technological processes for soil and water remediation, with a view to environmental protection and defence against CBRN-based terrorism. In keeping with the book's main goal, the following topics are highlighted and discussed: - Sensors and detectors - detection of chemicals, principles of "artificial nose" and chemical "micro-lab on a chip" design, surface and underground water quality monitoring systems, molecular electronics, superconducting electronic devices, quantum detectors and Qubits. - Environmental protection and CBRN - detection of infrared, microwave, X-ray and terahertz radiation. Principles for novel IR-, UV-, and Terahertz-wave devices for the detection of low-contrast objects. - Novel technological processes for CBRN destruction and deactivation. All these topics are strongly interrelated, both with regard to fundamental aspects and to fabrication and implementation technologies; in addition, they are highly promising for application in novel functional devices, computer logics, sensing and detection of low-concentration chemicals, weak and extremely weak magnetic and microwave fields, infrared and ultraviolet radiation. Given its scope, the book will be a useful and interesting guide for a broad readership of engineers, scientists, PhD

students and experts in the area of defence against environmental terrorism.

Now in its fifth edition, the book has been updated to include more detailed descriptions of new or more commonly used techniques since the last edition as well as remove those that are no longer used, procedures which have been developed recently, ionization constants (pKa values) and also more detail about the trivial names of compounds. In addition to having two general chapters on purification procedures, this book provides details of the physical properties and purification procedures, taken from literature, of a very extensive number of organic, inorganic and biochemical compounds which are commercially available. This is the only complete source that covers the purification of laboratory chemicals that are commercially available in this manner and format. * Complete update of this valuable, well-known reference * Provides purification procedures of commercially available chemicals and biochemicals * Includes an extremely useful compilation of ionisation constants

Includes list of members, 1882-1902 and proceedings of the annual meetings and various supplements.

Lean Requirements Practices for Teams, Programs, and the Enterprise

Disciplined Agile Delivery

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

Essential Oils in Food Processing: Chemistry, Safety and Applications

The penny cyclopædia [ed. by G. Long].

Concepts, Connections & Skills

Take a fresh, new approach to nursing fundamentals that teaches students how to think, learn, and do while they make the 'connections' each step of the way.

Putting capability management into practice requires both a solid theoretical foundation and realistic approaches. This book introduces a development methodology that integrates business and information system development and run-time adjustment based on the concept of capability by presenting the main findings of the CaaS project – the Capability-Driven Development (CDD) methodology, the architecture and components of the CDD environment, examples of real-world applications of CDD, and aspects of CDD usage for creating business value and new opportunities. Capability thinking characterizes an organizational mindset, putting capabilities at the center of the business model and information systems development. It is expected to help organizations and in particular digital enterprises to increase flexibility and agility in adapting to changes in their economic and regulatory environments. Capability management denotes the principles of how capability thinking should be implemented in an organization and the organizational means. This book is intended for anyone who wants to explore the opportunities for developing and managing context-dependent business capabilities and the supporting business services. It does not require a detailed understanding of specific development methods and tools, although some background knowledge and experience in information system development is advisable. The individual chapters have been written by leading researchers in the field of information systems development, enterprise modeling and capability management, as well as practitioners and industrial experts from these fields.

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.

Applying the Scaled Agile Framework for Lean Software and Systems Engineering

SAFe 4.5 Reference Guide

Federal Motor Vehicle Safety Standards and Regulations

Capability Management in Digital Enterprises

SAFe 4.5 Distilled

SAFe 4.5 Distilled

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.

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

Master IBM's Breakthrough DAD Process Framework for Succeeding with Agile in Large, Complex, Mission-Critical IT Projects It is widely recognized that moving from traditional to agile approaches to build software solutions is a critical source of competitive advantage. Mainstream agile approaches that are indeed suitable for small projects require significant tailoring for larger, complex enterprise projects. In *Disciplined Agile Delivery*, Scott W. Ambler and Mark Lines introduce IBM's breakthrough Disciplined Agile Delivery (DAD) process framework, which describes how to do this tailoring. DAD applies a more disciplined approach to agile development by acknowledging and dealing with the realities and complexities of a portfolio of interdependent program initiatives. Ambler and Lines show how to extend Scrum with supplementary agile and lean strategies from Agile Modeling (AM), Extreme Programming (XP), Kanban, Unified Process (UP), and other proven methods to provide a hybrid approach that is adaptable to your organization's unique needs. They candidly describe what practices work best, why they work, what the trade-offs are, and when to consider alternatives, all within the context of your situation. *Disciplined Agile Delivery* addresses agile practices across the entire lifecycle, from requirements, architecture, and development to delivery and governance. The authors show how these best-practice techniques fit together in an end-to-end process for successfully delivering large, complex systems--from project initiation through delivery. Coverage includes Scaling agile for mission-critical enterprise endeavors Avoiding mistakes that drive poorly run agile projects to chaos Effectively initiating an agile project Transitioning as an individual to agile Incrementally building consumable solutions Deploying agile solutions into complex production environments Leveraging DevOps, architecture, and other enterprise disciplines Adapting your governance strategy for agile projects Based on facts, research, and extensive experience, this book will be an indispensable resource for every enterprise software leader and practitioner--whether they're seeking to optimize their existing agile/Scrum process or improve the agility of an iterative process.

Theory and application of Microbiological Assay

A Weekly Record of Pharmacy and Allied Sciences

Pharmaceutical Journal;

Hearings Before the United States Senate Committee on Labor and Public Welfare, Subcommittee on Labor, Ninety-First Congress, First Session

Journal of the Respiratory Organs

a monthly journal of theoretical, analytical and technical chemistry

In Team Topologies DevOps consultants Matthew Skelton and Manuel Pais share secrets of successful team patterns and interactions to help readers choose and evolve the right team patterns for their organization, making sure to keep the software healthy and optimize value streams. *Team Topologies* will help readers discover: • Team patterns used by successful organizations. • Common team patterns to avoid with modern software systems. • When and why to use different team patterns • How to evolve teams effectively. • How to split software and align to teams.

Accelerate business value delivery with Jira Align, the enterprise agile planning platform, by connecting strategy with

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

Essential Oils in Food Preservation, Flavor and Safety discusses the major advances in the understanding of the Essential Oils and their application, providing a resource that takes into account the fact that there is little attention paid to the scientific basis or toxicity of these oils. This book provides an authoritative synopsis of many of the complex features of the essential oils as applied to food science, ranging from production and harvesting, to the anti-spoilage properties of individual components. It embraces a holistic approach to the topic, and is divided into two distinct parts, the general aspects and named essential oils. With more than 100 chapters in parts two and three, users will find valuable sections on botanical aspects, usage and applications, and a section on applications in food science that emphasizes the fact that essential oils are frequently used to impart flavor and aroma. However, more recently, their use as anti-spoilage agents has been extensively researched. Explains how essential oils can be used to improve safety, flavor, and function Embraces a holistic approach to the topic, and is divided into two distinct parts, the general aspects and named essential oils Provides exceptional range of information, from general use insights to specific use and application information, along with geographically specific information Examines traditional and evidence-based uses Includes methods and examples of investigation and application

Proceedings of the 4th International Conference on Food Safety and Environmental Engineering (FSEE 2022), Xiamen, China, 25-27 February 2022

Improvement for Quality and Safety Traits in Horticultural Plants

Safe 5.0 Distilled: Achieving Business Agility with the Scaled Agile Framework

Scaling Software Agility

Federal Register

Safe 5.0 Distilled: Achieving Business Agility with the Scaled Agile Framework
SAFe 4.0 Distilled
Applying the Scaled Agile Framework for Lean Software and Systems Engineering
Addison-Wesley Professional

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 needs
Book Description Scaled Scrum and Lean-Agile practices provide essential strategies to address large and complex product development challenges not addressed in traditional Scrum. This Scrum/ Lean-Agile handbook provides a comprehensive review and analysis of industry-proven scaling strategies that enable business agility on an enterprise scale. Free of marketing hype or vendor bias, this book helps you decide which practices best fit your situation. You'll start with an introduction to Scrum as a lightweight software development framework and then explore common approaches to scaling it for more complex development scenarios. The book will then guide you through systems theory, lean development, and the application of holistic thinking to more complex software and system development activities. Throughout, you'll learn how to support multiple teams working in collaboration to develop large and complex products and explore how to manage cross-team integration, dependency, and synchronization issues. Later, you'll learn how to improve enterprise operational efficiency across value creation and value delivery activities, before discovering how to align product portfolio investments with corporate strategies. By the end of this Scrum book, you and your product teams will be able to get the most value out of Agile at scale, even in complex cyber-physical system development environments. What you will learn
Understand the limitations of traditional Scrum practices
Explore the roles and responsibilities in a scaled Scrum and Lean-Agile development environment
Tailor your Scrum approach to support portfolio and large product development needs
Apply systems thinking to evaluate the impacts of changes in the interdependent parts of a larger

development and delivery system Scale Scrum practices at both the program and portfolio levels of management Understand how DevOps, test automation, and CI/CD capabilities help in scaling Scrum practices Who this book is for Executives, product owners, Scrum masters, development team members, and other stakeholders who need to learn how to scale Agile to support large, complex projects and large enterprise portfolios and programs will find this book useful. A basic understanding of the values and principles of Agile and the Scrum-based framework for Agile development practices is required before you get started with this Agile Scrum book.

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

The American chemist

A Dictionary of applied chemistry v. 4, 1913

Implement Scrum and Lean-Agile techniques across complex products, portfolios, and programs in large organizations

Fundamentals of Nursing Care

SAFe Reference Guide

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