

Tmap Next In Scrum Sogeti

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TPI NEXT® - Geschäftsbasierte Verbesserung des Testprozesses - Verschiedene Autoren 2011-12-02

Das international anerkannte TPI-Modell von Sogeti hat sich als Standard zur Bestimmung und Verbesserung des Reifegrads von Testorganisationen etabliert. Die Stärken des klassischen TPI-Modells sind im neuen Modell weiterentwickelt worden. Das geschäftsbasierte ausgerichtete TPI-NEXT-Modell umfasst alle Kontrollfragen zur Feststellung des Reifegrads, wobei diese stärker ergebnis- und produktorientiert sind. Es kann zusammen mit TMap NEXT - der führenden Testmethodik von Sogeti - wie auch mit jeder anderen Testmethode eingesetzt werden und ist universell anwendbar.

VeriSM™ - unwrapped and applied - Claire Agutter

VeriSM: Unwrapped and Applied, the second volume within the VeriSM series, extends the information in the first volume VeriSM: A Service Management Approach for the Digital Age. It shows how VeriSM applies to the digitally transforming organization. This includes information around what digital transformation is, approaches to digital transformation and its implications for the entire organization, especially the people. The book explains how to use the VeriSM model, describing the steps to develop, maintain and use the Management Mesh to deliver a new or changed product or service. Within this content, a case study is used to illustrate how to apply the model for each stage and to show the expected outcomes. Implications for the entire organization are stressed throughout the entire volume, reinforcing the concepts of enterprise strategy tying together the organizational capabilities to produce consumer-focused products and services. The second part of the book also includes a wealth of case studies, stories and interviews from organizations and individuals who have a digital transformation journey to share. VeriSM early adopters from around the world provide more information about how they are applying the guidance.

Agile Software Engineering with Visual Studio - Sam Guckenheimer 2012

Originally published: Upper Saddle River, NJ: Addison-Wesley, 2006 under title: Software engineering with Microsoft Visual studio team system.

Applied Informatics - Hector Florez 2021-10-23

This book constitutes the thoroughly refereed papers of the 4th International Conference on Applied Informatics, ICAI 2021, held in Buenos Aires, Argentina, in October, 2021. The 35 full papers were carefully reviewed and selected from 89 submissions. The papers are organized in topical sections on artificial intelligence; data analysis; decision systems; health care information systems; image processing; security services; simulation and emulation; smart cities; software and systems modeling; software design engineering.

Visual Studio Team Foundation Server 2012 - Sam Guckenheimer 2012-09-11

Use Visual Studio® Team Foundation Server 2012 and Agile Methods to Deliver Higher Value Software Faster This is the definitive guide to applying agile development and modern software engineering practices with Visual Studio Team Foundation Server 2012—Microsoft's complementary Application Lifecycle Management (ALM) platform. Written by the Microsoft Visual Studio product owner and a long-time Team Foundation Server implementation specialist, it focuses on solving real development challenges, systematically eliminating waste, improving transparency, and delivering better software more quickly and painlessly. Coverage includes • Accelerating the "flow of value" to customers, with a transparent backlog, PowerPoint Storyboarding, VS 2012 feedback requests, and a "usability lab" right into your customers' hands • Driving quality upstream to uncover hidden architectural patterns, ensure cleaner code, fix multiple recurring "cloned" bugs at once, ensure the definition of done with continuous integration and deployment in a reliable build process • Eliminating "no repro" bugs with VS 2012's six powerful mechanisms for more accurate fault identification

and use of virtualized test environments • Using Scrum or other Agile methods with Process Templates effectively across distributed teams in large organization by automating burndowns and dashboards to identify "early warning signals" of emerging problems with quality or maintainability • Staying in the groove by storing the state of your work and environment with shelvesets, to let you handle interruptions smoothly • Leveraging VS 2012's new support for multiple Microsoft and open source unit testing frameworks in your IDE and continuous integration pipeline • Performing exploratory testing to uncover bugs in surprising places and testing immersive Windows 8 apps • Rapidly improving team development and collaboration with the hosted Team Foundation Service Whatever your development role, this book will help you apply modern software development practices using Visual Studio Team Foundation Server 2012 to focus on what really matters: building software that begins delivering exceptional value sooner and keeps delighting customers far into the future.

Artificial Intelligence Methods in Software Testing - Mark Last 2004-06-03

An inadequate infrastructure for software testing is causing major losses to the world economy. The characteristics of software quality problems are quite similar to other tasks successfully tackled by artificial intelligence techniques. The aims of this book are to present state-of-the-art applications of artificial intelligence and data mining methods to quality assurance of complex software systems, and to encourage further research in this important and challenging area. Contents:Fuzzy Cause-Effect Models of Software Testing (W Pedrycz & G Vukovich)Black-Box Testing with Info-Fuzzy Networks (M Last & M Friedman)Automated GUI Regression Testing Using AI Planning (A M Memon)Test Set Generation and Reduction with Artificial Neural Networks (P Saraph et al.)Three-Group Software Quality Classification Modeling Using an Automated Reasoning Approach (T M Khoshgoftar & N Seliya)Data Mining with Resampling in Software Metrics Databases (S Dick & A Kandel) Readership: Students, researchers and professionals in computer science, information systems, software testing and data mining. Keywords:Artificial Intelligence;Data Mining;Software Testing;System Testing;Software Quality;Software Engineering;Software MetricsKey Features:Coverage of novel methods for software testing and software quality assuranceIntroduction to state-of-the-art data mining models and techniquesAnalyses of new and promising application domains of artificial intelligence and data mining in software quality engineeringContributions from leading authors in the fields of software engineering and data mining

Quality for DevOps teams - Rik Marselis 2020-03-17

Supporting teams in implementing quality in DevOps culture, with practical examples, useful knowledge and some theoretical background. To continuously deliver IT systems at speed with a focus on business value, DevOps teams integrate quality engineering in their way of working. This book supports teams in implementing quality in their DevOps culture, with practical examples, useful knowledge and some theoretical background. For example, it describes how to benefit from a CI/CD pipeline. TMAP is the body of knowledge for quality engineering in IT delivery and builds on practical experience from thousands of people in more than twenty-five years. The website, www.tmap.net, supports any kind of IT delivery model. This book, however, focuses on DevOps: today's implementation of high-performance IT delivery.

Testing in the digital age - Tom van de Ven 2018-06-02

Testing in the digital age brings a new vision on test engineering, using new quality attributes that tackle intelligent machines and a roadmap split up in five hops. With everything digital there are more possibilities for test automation and piles of (test) data growing out of control. Working together with robots (cobotics), using artificial intelligence in testing and eventually predict the occurrence of defects brings your testing to the digital age. We have interviewed companies on their view

of digital testing. A glossary brings an extensive list of terms that supports you in all your test communications.

Concise Guide to Software Testing - Gerard O'Regan 2019-09-30

This practically-focused textbook provides a concise and accessible introduction to the field of software testing, explaining the fundamental principles and offering guidance on applying the theory in an industrial environment. Topics and features: presents a brief history of software quality and its influential pioneers, as well as a discussion of the various software lifecycles used in software development; describes the fundamentals of testing in traditional software engineering, and the role that static testing plays in building quality into a product; explains the process of software test planning, test analysis and design, and test management; discusses test outsourcing, and test metrics and problem solving; reviews the tools available to support software testing activities, and the benefits of a software process improvement initiative; examines testing in the Agile world, and the verification of safety critical systems; considers the legal and ethical aspects of software testing, and the importance of software configuration management; provides key learning topics and review questions in every chapter, and supplies a helpful glossary at the end of the book. This easy-to-follow guide is an essential resource for undergraduate students of computer science seeking to learn about software testing, and how to build high quality and reliable software on time and on budget. The work will also be of interest to industrialists including software engineers, software testers, quality professionals and software managers, as well as the motivated general reader.

The Educational Intelligent Economy - Tavis D. Jules 2019-11-25

This book examines, from a comparative perspective, the impact of the movement from the so-called knowledge-based economy towards the Intelligent Economy, which is premised upon the application of knowledge. This volume links the advent of this new technological revolution to the world of governance and policy formulation in education.

TMap NEXT in scrum / druk 1 - Leo van der Aalst 2012-11-27

Quality of Information and Communications Technology - Martin Shepperd 2020-08-31

This book constitutes the refereed proceedings of the 13th International Conference on the Quality of Information and Communications Technology, QUATIC 2020, held in Faro, Portugal*, in September 2020. The 27 full papers and 12 short papers were carefully reviewed and selected from 81 submissions. The papers are organized in topical sections: quality aspects in machine learning, AI and data analytics; evidence-based software quality engineering; human and artificial intelligences for software evolution; process modeling, improvement and assessment; software quality education and training; quality aspects in quantum computing; safety, security and privacy; ICT verification and validation; RE, MDD and agile. *The conference was held virtually due to the COVID-19 pandemic.

The REGTECH Book - Janos Barberis 2019-08-06

The Regulatory Technology Handbook The transformational potential of RegTech has been confirmed in recent years with US\$1.2 billion invested in start-ups (2017) and an expected additional spending of US\$100 billion by 2020. Regulatory technology will not only provide efficiency gains for compliance and reporting functions, it will radically change market structure and supervision. This book, the first of its kind, is providing a comprehensive and invaluable source of information aimed at corporates, regulators, compliance professionals, start-ups and policy makers. The REGTECH Book brings into a single volume the curated industry expertise delivered by subject matter experts. It serves as a single reference point to understand the RegTech eco-system and its impact on the industry. Readers will learn foundational notions such as: • The economic impact of digitization and datafication of regulation • How new technologies (Artificial Intelligence, Blockchain) are applied to compliance • Business use cases of RegTech for cost-reduction and new product origination • The future regulatory landscape affecting financial institutions, technology companies and other industries Edited by world-class academics and written by compliance professionals, regulators, entrepreneurs and business leaders, the RegTech Book represents an invaluable resource that paves the way for 21st century regulatory innovation.

Exploratory Software Testing - James A. Whittaker 2009-08-25

How to Find and Fix the Killer Software Bugs that Evade Conventional Testing In Exploratory Software Testing, renowned software testing expert James Whittaker reveals the real causes of today's most serious,

well-hidden software bugs--and introduces powerful new "exploratory" techniques for finding and correcting them. Drawing on nearly two decades of experience working at the cutting edge of testing with Google, Microsoft, and other top software organizations, Whittaker introduces innovative new processes for manual testing that are repeatable, prescriptive, teachable, and extremely effective. Whittaker defines both in-the-small techniques for individual testers and in-the-large techniques to supercharge test teams. He also introduces a hybrid strategy for injecting exploratory concepts into traditional scripted testing. You'll learn when to use each, and how to use them all successfully. Concise, entertaining, and actionable, this book introduces robust techniques that have been used extensively by real testers on shipping software, illuminating their actual experiences with these techniques, and the results they've achieved. Writing for testers, QA specialists, developers, program managers, and architects alike, Whittaker answers crucial questions such as: • Why do some bugs remain invisible to automated testing--and how can I uncover them? • What techniques will help me consistently discover and eliminate "show stopper" bugs? • How do I make manual testing more effective--and less boring and unpleasant? • What's the most effective high-level test strategy for each project? • Which inputs should I test when I can't test them all? • Which test cases will provide the best feature coverage? • How can I get better results by combining exploratory testing with traditional script or scenario-based testing? • How do I reflect feedback from the development process, such as code changes?

Improving the Test Process - Graham Bath 2013-12-13

This book covers the syllabus for the Improving the Test Process module of the International Software Testing Qualifications Board (ISTQB) Expert Level exam. To obtain certification as a professional tester at the Expert Level, candidates may choose to take a course given by an ISTQB accredited training provider and then sit for the exam. Experience shows that many candidates who choose this path still require a reference book that covers the course. There are also many IT professionals who choose self-study as the most appropriate route toward certification. This book can be used both as a preparation guide for those planning to take the ISTQB Expert Level certification exam and as a practical guide for experienced testing professionals who want to develop their skills in improving test processes.

TMap NEXT - Leo van der Aalst 2013-03-25

Business Driven Test Management (BDTM) This book offers business and IT managers insight into the possibilities of exerting increased business control of the test process: Business Driven Test Management (BDTM). The concept of BDTM prioritises the result and gives the client of the test process (whether a business or IT manager) the ability to manage the risk coverage, lead time and cost of the test process in both the planning and the execution phases. The book also contains an introduction to and summary of the TMap NEXT® Test Management Approach. TMap is the industry standard for testing that can be summarised in four essential principles: * Business Driven Test Management allows the client to manage testing on the basis of business considerations. * A full description of the test process, from test management to test specification & execution. * A complete 'toolbox' of technique descriptions and organisational & infrastructure support. * The method is adaptive, making it suitable for use in a range of situations and environments (new development, maintenance, waterfall / iterative / agile, custom-made / off-the-shelf software, outsourcing / offshoring). Over the years, TMap has evolved into the de facto standard for testing information systems. In 2006 it was updated as TMap NEXT, incorporating user experience and feedback and many practical examples, making it a highly valuable tool for current and future challenges in the field of testing. TMap NEXT is currently used in hundreds of companies and institutions in a broad range of sectors, including financial services, telecoms, government, utilities and aerospace. In addition to a summary of the methodology, this book features a detailed description of Business Driven Test Management and is therefore ideal for test managers who want to improve the quality of testing in their organisations.

Lessons Learned in Software Testing - Cem Kaner 2011-08-02

Decades of software testing experience condensed into the most important lessons learned. The world's leading software testing experts lend you their wisdom and years of experience to help you avoid the most common mistakes in testing software. Each lesson is an assertion related to software testing, followed by an explanation or example that shows you the how, when, and why of the testing lesson. More than just tips, tricks, and pitfalls to avoid, Lessons Learned in Software Testing speeds

you through the critical testing phase of the software development project without the extensive trial and error it normally takes to do so. The ultimate resource for software testers and developers at every level of expertise, this guidebook features: * Over 200 lessons gleaned from over 30 years of combined testing experience * Tips, tricks, and common pitfalls to avoid by simply reading the book rather than finding out the hard way * Lessons for all key topic areas, including test design, test management, testing strategies, and bug reporting * Explanations and examples of each testing trouble spot help illustrate each lesson's assertion

the PointZERO vision - Rik Marselis 2012-11-19

stop wasting time and money PointZERO® is a vision aimed at increasing business success by parallel and step-by-step improvement across the application lifecycle, to shorten time to market, avoid and reduce cost, eliminate risk, and reach fit for purpose quality.

Big Data in Complex Systems - Aboul Ella Hassanien 2015-01-02

This volume provides challenges and Opportunities with updated, in-depth material on the application of Big data to complex systems in order to find solutions for the challenges and problems facing big data sets applications. Much data today is not natively in structured format; for example, tweets and blogs are weakly structured pieces of text, while images and video are structured for storage and display, but not for semantic content and search. Therefore transforming such content into a structured format for later analysis is a major challenge. Data analysis, organization, retrieval, and modeling are other foundational challenges treated in this book. The material of this book will be useful for researchers and practitioners in the field of big data as well as advanced undergraduate and graduate students. Each of the 17 chapters in the book opens with a chapter abstract and key terms list. The chapters are organized along the lines of problem description, related works, and analysis of the results and comparisons are provided whenever feasible.

Hands-On Mobile App Testing - Daniel Knott 2015-05-08

The First Complete Guide to Mobile App Testing and Quality Assurance: Start-to-Finish Testing Solutions for Both Android and iOS Today, mobile apps must meet rigorous standards of reliability, usability, security, and performance. However, many mobile developers have limited testing experience, and mobile platforms raise new challenges even for long-time testers. Now, Hands-On Mobile App Testing provides the solution: an end-to-end blueprint for thoroughly testing any iOS or Android mobile app. Reflecting his extensive real-life experience, Daniel Knott offers practical guidance on everything from mobile test planning to automation. He provides expert insights on mobile-centric issues, such as testing sensor inputs, battery usage, and hybrid apps, as well as advice on coping with device and platform fragmentation, and more. If you want top-quality apps as much as your users do, this guide will help you deliver them. You'll find it invaluable—whether you're part of a large development team or you are the team. Learn how to Establish your optimal mobile test and launch strategy Create tests that reflect your customers, data networks, devices, and business models Choose and implement the best Android and iOS testing tools Automate testing while ensuring comprehensive coverage Master both functional and nonfunctional approaches to testing Address mobile's rapid release cycles Test on emulators, simulators, and actual devices Test native, hybrid, and Web mobile apps Gain value from crowd and cloud testing (and understand their limitations) Test database access and local storage Drive value from testing throughout your app lifecycle Start testing wearables, connected homes/cars, and Internet of Things devices

Enterprise Architecture at Work - Marc Lankhorst 2012-08-20

An enterprise architecture tries to describe and control an organisation's structure, processes, applications, systems and techniques in an integrated way. The unambiguous specification and description of components and their relationships in such an architecture requires a coherent architecture modelling language. Lankhorst and his co-authors present such an enterprise modelling language that captures the complexity of architectural domains and their relations and allows the construction of integrated enterprise architecture models. They provide architects with concrete instruments that improve their architectural practice. As this is not enough, they additionally present techniques and heuristics for communicating with all relevant stakeholders about these architectures. Since an architecture model is useful not only for providing insight into the current or future situation but can also be used to evaluate the transition from 'as-is' to 'to-be', the authors also describe analysis methods for assessing both the qualitative impact of changes to an architecture and the quantitative aspects of architectures, such as performance and cost issues. The modelling language presented has

been proven in practice in many real-life case studies and has been adopted by The Open Group as an international standard. So this book is an ideal companion for enterprise IT or business architects in industry as well as for computer or management science students studying the field of enterprise architecture.

Building Micro-Frontends - Luca Mezzalana 2021-11-17

What's the answer to today's increasingly complex web applications? Micro-frontends. Inspired by the microservices model, this approach lets you break interfaces into separate features managed by different teams of developers. With this practical guide, Luca Mezzalana shows software architects, tech leads, and software developers how to build and deliver artifacts atomically rather than use a big bang deployment. You'll learn how micro-frontends enable your team to choose any library or framework. This gives your organization technical flexibility and allows you to hire and retain a broad spectrum of talent. Micro-frontends also support distributed or colocated teams more efficiently. Pick up this book and learn how to get started with this technological breakthrough right away. Explore available frontend development architectures Learn how microservice principles apply to frontend development Understand the four pillars for creating a successful micro-frontend architecture Examine the benefits and pitfalls of existing micro-frontend architectures Learn principles and best practices for creating successful automation strategies Discover patterns for integrating micro-frontend architectures using microservices or a monolith API layer

TPI next - Alexander van Ewijk 2013-03-25

TPI® NEXT, the Business Driven Test Process Improvement model Over the past ten years, TPI® has proved to be the leading methodology to assess the maturity of an organizations or projects test process. This is a success we, at Sogeti, are very proud of. But this success by no means implies that we are 'done' and can rest on our laurels. Sogeti's answer to this need: TPI® NEXT, the Business Driven Test Process Improvement model (BDTPI). The strengths of the original model (Key areas, Maturity levels, Checkpoints, Improvement suggestions and Stepwise improvement) have been kept and have been made even stronger. The improvements that make the new model truly business-driven are the Clusters and the Enablers. Since business drivers change over time and from entity to entity, this model is flexible and adaptable, and works in synch with Sogeti's other worldleading test methodology, TMap® NEXT. But the Business Driven TPI model is independent so no matter what test method is used, this approach can be applied under any circumstance. If you have not started improving your testing process, now it is the time to begin, and, with the TPI® NEXT book at hand, it is now even easier to do so and to convince all of your stakeholders of its business value. But also, if you are already on the way to improving your testing process, a close look at Business Driven TPI will help you focus even more on the goal of improving your testing process, namely bringing business value to your organization!

Agile Processes in Software Engineering and Extreme Programming - Juan Garbajosa 2018-05-16

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

TMap NEXT - Tim Koomen 2014

Testing Cloud Services - Kees Blokland 2013-09-19

Everybody is confronted with cloud computing. Whether you are a user, designer, programmer, project manager, or tester, sooner or later the cloud affects your work. If you are involved in selecting or implementing services from the cloud, or in keeping them up and running, this book will prove to be an invaluable resource. Testing Cloud Services covers an extensive list of risks that arise when implementing cloud computing, including some traditional risks and some completely new ones, and provides strategies for avoiding these risks and solving problems. Every risk is connected to existing, updated, and new test measures. It is necessary to start testing during the selection of cloud services, and continue end-to-end testing even after going live, as continuity risks arise all the time. With this book in hand, you will save a lot of time and discover an effective approach to testing that can be applied in practice

immediately!

Neil's quest for quality - Aldert Boersma 2014-11-03

Neil's Quest for Quality A TMap HD Story The world of IT is changing rapidly, with innovations following one another in breathtaking succession. This applies not only to the field of technology, but also to our way of working. Time-to-market and cost limiting are becoming more important by the day. These new ways of working are occasionally perceived as a threat to the quality of our software products. This book shows the opposite: TMap® HD, a human-driven and quality-driven approach offers opportunities to improve software quality in these newly emerging circumstances. I am immensely proud of the way this book has been created. The main writers, Aldert and Erik, were selected by means of a competition in which the entire international Sogeti test community participated. They were supported by a writing team, over a hundred reviewers and the whole Sogeti organization. All were jointly responsible for this innovative book. I trust that this work will inspire you to adopt a more quality-driven approach to your way of working. Marco van den Brink Director of Testing and Quality Control, Sogeti Netherlands *Building the Hyperconnected Society- Internet of Things Research and Innovation Value Chains, Ecosystems and Markets* - Ovidiu Vermesan 2022-09-01

This book aims to provide a broad overview of various topics of Internet of Things (IoT), ranging from research, innovation and development priorities to enabling technologies, nanoelectronics, cyber-physical systems, architecture, interoperability and industrial applications. All this is happening in a global context, building towards intelligent, interconnected decision making as an essential driver for new growth and co-competition across a wider set of markets. It is intended to be a standalone book in a series that covers the Internet of Things activities of the IERC - Internet of Things European Research Cluster from research to technological innovation, validation and deployment. The book builds on the ideas put forward by the European Research Cluster on the Internet of Things Strategic Research and Innovation Agenda, and presents global views and state of the art results on the challenges facing the research, innovation, development and deployment of IoT in future years. The concept of IoT could disrupt consumer and industrial product markets generating new revenues and serving as a growth driver for semiconductor, networking equipment, and service provider end-markets globally. This will create new application and product end-markets, change the value chain of companies that creates the IoT technology and deploy it in various end sectors, while impacting the business models of semiconductor, software, device, communication and service provider stakeholders. The proliferation of intelligent devices at the edge of the network with the introduction of embedded software and app-driven hardware into manufactured devices, and the ability, through embedded software/hardware developments, to monetize those device functions and features by offering novel solutions, could generate completely new types of revenue streams. Intelligent and IoT devices leverage software, software licensing, entitlement management, and Internet connectivity in ways that address many of the societal challenges that we will face in the next decade.

Advanced Software Testing - Vol. 2, 2nd Edition - Rex Black 2014

Teaching test managers what they need to know to achieve advanced skills in test estimation, test planning, test monitoring, and test control, this hands-on, exercise-rich book provides experience with planning, scheduling, and tracking these tasks. --

The Expert Test Manager - Rex Black 2017-04-28

This book covers the ISTQB Expert Level Test Manager syllabus and is a complete, one-stop preparation guide for the reader who is otherwise qualified (based on experience as a test manager) to take the Expert Level Test Manager exam. Included are extensive hands-on exercises and sample exam questions that comply with ISTQB standards for Expert Level exams. p.p1 {margin: 0.0px 0.0px 0.0px 0.0px; font: 11.0px Verdana} p.p2 {margin: 0.0px 0.0px 0.0px 0.0px; font: 11.0px Verdana; min-height: 13.0px} The ISTQB certification program is the leading software tester certification program in the world. With more than 500,000 certificates issued and a global presence in 70 countries, you can be confident in the value and international stature that the ISTQB Expert Level certificate can offer you.

Enterprise DevOps for Architects - Jeroen Mulder 2021-11-11

An architect's guide to designing, implementing, and integrating DevOps in the enterprise Key Features Design a DevOps architecture that is aligned with the overall enterprise architecture Design systems that are ready for AIOps and make the move toward NoOps Architect and implement DevSecOps pipelines, securing the DevOps enterprise Book

Description Digital transformation is the new paradigm in enterprises, but the big question remains: is the enterprise ready for transformation using native technology embedded in Agile/DevOps? With this book, you'll see how to design, implement, and integrate DevOps in the enterprise architecture while keeping the Ops team on board and remaining resilient. The focus of the book is not to introduce the hundreds of different tools that are available for implementing DevOps, but instead to show you how to create a successful DevOps architecture. This book provides an architectural overview of DevOps, AIOps, and DevSecOps - the three domains that drive and accelerate digital transformation. Complete with step-by-step explanations of essential concepts, practical examples, and self-assessment questions, this DevOps book will help you to successfully integrate DevOps into enterprise architecture. You'll learn what AIOps is and what value it can bring to an enterprise. Lastly, you will learn how to integrate security principles such as zero-trust and industry security frameworks into DevOps with DevSecOps. By the end of this DevOps book, you'll be able to develop robust DevOps architectures, know which toolsets you can use for your DevOps implementation, and have a deeper understanding of next-level DevOps by implementing Site Reliability Engineering (SRE). What you will learn Create DevOps architecture and integrate it with the enterprise architecture Discover how DevOps can add value to the quality of IT delivery Explore strategies to scale DevOps for an enterprise Architect SRE for an enterprise as next-level DevOps Understand AIOps and what value it can bring to an enterprise Create your AIOps architecture and integrate it into DevOps Create your DevSecOps architecture and integrate it with the existing DevOps setup Apply zero-trust principles and industry security frameworks to DevOps Who this book is for This book is for enterprise architects and consultants who want to design DevOps systems for the enterprise. It provides an architectural overview of DevOps, AIOps, and DevSecOps. If you're looking to learn about the implementation of various tools within the DevOps toolchain in detail, this book is not for you.

Managing the Testing Process - Rex Black 2003-08-16

An updated edition of the best tips and tools to plan, build, and execute a structured test operation In this update of his bestselling book, Rex Black walks you through how to develop essential tools and apply them to your test project. He helps you master the basic tools, apply the techniques to manage your resources, and give each area just the right amount of attention so that you can successfully survive managing a test project! Offering a thorough review of the tools and resources you will need to manage both large and small projects for hardware and software, this book prepares you to adapt the concepts across a broad range of settings. Simple and effective, the tools comply with industry standards and bring you up to date with the best test management practices and tools of leading hardware and software vendors. Rex Black draws from his own numerous testing experiences-- including the bad ones, so you can learn from his mistakes-- to provide you with insightful tips in test project management. He explores such topics as: Dates, budgets, and quality-expectations versus reality Fitting the testing process into the overall development or maintenance process How to choose and when to use test engineers and technicians, contractors and consultants, and external test labs and vendors Setting up and using an effective and simple bug-tracking database Following the status of each test case The companion Web site contains fifty tools, templates, and case studies that will help you put these ideas into action--fast!

Complex Systems Design & Management - Eric Bonjour 2018-11-19

This book contains all refereed papers accepted during the ninth edition of the conference that took place at the Cité Internationale Universitaire de Paris on December 18-19, 2018. Mastering complex systems requires an integrated understanding of industrial practices as well as sophisticated theoretical techniques and tools. This explains the creation of an annual go-between forum in Paris dedicated to academic researchers & industrial actors working on complex industrial systems architecture, modeling & engineering. These proceedings cover the most recent trends in the emerging field of Complex Systems, both from an academic and a professional perspective. A special focus is put on "Products & services development in a digital world". The CSD&M Paris 2018 conference is organized under the guidance of CESAM Community (<http://cesam.community/en>). CESAM Community has been developed since 2010 by the non-profit organization CESAMES Association to organize the sharing of good practices in Enterprise and Systems Architecture and to certify the level of knowledge and proficiency in this field through CESAM certification.

Engineering DevOps - Marc Hornbeek 2019-12-06

This book is an engineering reference manual that explains "How to do DevOps?". It is targeted to people and organizations that are "doing DevOps" but not satisfied with the results that they are getting. There are plenty of books that describe different aspects of DevOps and customer user stories, but up until now there has not been a book that frames DevOps as an engineering problem with a step-by-step engineering solution and a clear list of recommended engineering practices to guide implementors. The step-by-step engineering prescriptions can be followed by leaders and practitioners to understand, assess, define, implement, operationalize, and evolve DevOps for their organization. The book provides a unique collection of engineering practices and solutions for DevOps. By confining the scope of the content of the book to the level of engineering practices, the content is applicable to the widest possible range of implementations. This book was born out of the author's desire to help others do DevOps, combined with a burning personal frustration. The frustration comes from hearing leaders and practitioners say, "We think we are doing DevOps, but we are not getting the business results we had expected." Engineering DevOps describes a strategic approach, applies engineering implementation discipline, and focuses operational expertise to define and accomplish specific goals for each leg of an organization's unique DevOps journey. This book guides the reader through a journey from defining an engineering strategy for DevOps to implementing The Three Ways of DevOps maturity using engineering practices: The First Way (called "Continuous Flow") to The Second Way (called "Continuous Feedback") and finally The Third Way (called "Continuous Improvement"). This book is intended to be a guide that will continue to be relevant over time as your specific DevOps and DevOps more generally evolves.

Orthogonal Arrays - A.S. Hedayat 2012-12-06

Orthogonal arrays have played a vital role in improving the quality of products manufactured throughout the world. This first book on the subject since its introduction more than fifty years ago serves as a key resource to this area of designing experiments. Most of the arrays obtained by the methods in this book are available electronically. Anyone running experiments - whether in a chemistry lab or a manufacturing plant, or in agricultural or medical research - will find this book useful.

TPI@ Next - Gerrit de Vries 2009

In recent years, the structured testing of software has grown to be a profession in its own right. Sogeti's Test Process Improvement (or TPI) methodology is a well-recognized tool in this field. Now TPI Next is providing the next step forward in raising the standards of the test improvement process.

The Next Wave of Technologies - Phil Simon 2010-04-05

Business Process Management - John Jeston 2014-01-21

This textbook provides organisational leadership with an understanding of business process management and its benefits to an organisation. It provides a practical framework, complete with a set of tools and techniques, to successfully implement business process management projects.

Kanban and Scrum - Making the Most of Both - Henrik Kniberg 2010
Scrum and Kanban are two flavours of Agile software development - two deceptively simple but surprisingly powerful approaches to software development. So how do they relate to each other? The purpose of this book is to clear up the fog, so you can figure out how Kanban and Scrum might be useful in your environment. Part I illustrates the similarities and differences between Kanban and Scrum, comparing for understanding, not for judgement. There is no such thing as a good or bad tool - just good or bad decisions about when and how to use which tool. This book includes: - Kanban and Scrum in a nutshell - Comparison of Kanban and Scrum and other Agile methods - Practical examples and pitfalls - Cartoons and diagrams illustrating day-to-day work - Detailed case study of a Kanban implementation within a Scrum organization Part II is a case study illustrating how a Scrum-based development organization implemented Kanban in their operations and support teams.

Software Testing and Quality Assurance - Kshirasagar Naik 2011-09-23

A superior primer on software testing and quality assurance, from integration to execution and automation This important new work fills the pressing need for a user-friendly text that aims to provide software engineers, software quality professionals, software developers, and students with the fundamental developments in testing theory and common testing practices. Software Testing and Quality Assurance: Theory and Practice equips readers with a solid understanding of: Practices that support the production of quality software Software testing techniques Life-cycle models for requirements, defects, test cases, and test results Process models for units, integration, system, and acceptance testing How to build test teams, including recruiting and retaining test engineers Quality Models, Capability Maturity Model, Testing Maturity Model, and Test Process Improvement Model Expertly balancing theory with practice, and complemented with an abundance of pedagogical tools, including test questions, examples, teaching suggestions, and chapter summaries, this book is a valuable, self-contained tool for professionals and an ideal introductory text for courses in software testing, quality assurance, and software engineering.