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Continuous Delivery with Visual Studio ALM 2015

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Apress®

Continuous Delivery With Visual Studio Alm 2015

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Continuous Delivery With Visual Studio Alm 2015:

Continuous Delivery with Visual Studio ALM 2015 Mathias Olausson, Jakob Ehn, 2015-11-25 This book is the authoritative source on implementing Continuous Delivery practices using Microsoft's Visual Studio and TFS 2015. Microsoft MVP authors Mathias Olausson and Jakob Ehn translate the theory behind this methodology and show step by step how to implement Continuous Delivery in a real world environment. Building good software is challenging. Building high quality software on a tight schedule can be close to impossible. Continuous Delivery is an agile and iterative technique that enables developers to deliver solid working software in every iteration. Continuous delivery practices help IT organizations reduce risk and potentially become as nimble, agile and innovative as startups. In this book you will learn what Continuous Delivery is and how to use it to create better software more efficiently using Visual Studio 2015, how to use Team Foundation Server 2015 and Visual Studio Online to plan, design and implement powerful and reliable deployment pipelines. Detailed step by step instructions for implementing Continuous Delivery on a real project.

Agile Project Management using Team Foundation Server 2015 Joachim Rossberg, 2016-05-06 This book will help you get started with agile project management using Microsoft's latest releases of its market leading Team Foundation Server TFS 2015 and Visual Studio Team Services VSTS. The book demonstrates agile concepts and how to implement them using TFS VSTS. Many organizations are using agile practices today. Agility has become a key enabler for running better projects with more successful end results and high quality output. At the same time, adoption of TFS VSTS has increased dramatically from being just a new version control system in the very beginning to becoming the fully featured market leader it is today. In order to benefit the most from agile practices, you need an Application Lifecycle Management (ALM) toolset that supports your way of working. With TFS VSTS, Microsoft has provided a powerful tool that is very customizable. This book shows you how you can use TFS VSTS to implement many agile practices and how they fit into a well thought out ALM implementation. The book also shows how an agile product owner can work with TFS VSTS to setup an agile project from scratch and how to continue using TFS VSTS throughout the whole project to track progress, create and refine the backlog and work with Kanban and Scrum Task boards. Keeping track of progress is important in any project. TFS VSO includes many tools which will help you to track key metrics in an agile project. Many useful reports are available out of the box and the TFS extensibility offers several ways to further customize reporting to fit your needs.

What You Will Learn: Agile Concepts and Processes, How TFS VSO supports agile processes end to end, How you can customize TFS VSO to better support your processes, How to set up an agile project from scratch and manage it over its lifecycle.

Agile Project Management with Azure DevOps Joachim Rossberg, 2019-04-27 Roll up your sleeves and jump into Agile project management to use and customize Microsoft Azure DevOps. Organizations adopt Agile practices because they are a key enabler to run better projects, get more successful end results and achieve an overall higher quality output. To benefit the most from Agile, you need an Application Life Cycle Management (ALM) or DevOps toolset.

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

Microsoft Visual Studio 2015 Unleashed Lars Powers, Mike Snell, 2015-08-07 Microsoft Visual Studio 2015 empowers you to write next generation applications for any modern environment mobile web cloud universal Windows 10 8 x database and beyond This end to end deep dive will help working developers squeeze maximum productivity out of Microsoft s powerful new toolset The authors combine authoritative and detailed information about Microsoft s latest IDE with extensive insights and best practices drawn from decades of development experience Developers will quickly get comfortable with Visual Studio 2015 s updated interface master its new capabilities leverage its extensive new support for open standards and discover multiple opportunities to leverage its NET 4.6 platform and language improvements By focusing entirely on Visual Studio 2015 Professional the authors go deeper into Microsoft s core product than ever before You ll find expert coverage of everything from debugging through deploying to Azure IDE extension and automation through cross platform mobile development Throughout this book s focus is relentlessly practical how to apply Microsoft s tools to build better software faster Detailed information on how to Master Visual Studio 2015 s updated interface and key tools Solutions Projects Browsers Explorers Editors and Designers to improve productivity Develop robust cross platform mobile apps for Windows iOS and Android using Apache Cordova templates for Visual Studio Use the new ASP NET 5 to build modern web solutions that run on Windows Mac or Linux Develop Single Page Applications SPAs based on HTML5 and rich client side JavaScript frameworks such as Knockout AngularJS Bootstrap and more Accelerate cloud development with the Azure SDK QuickStart templates and Azure management portal Create mobile service solutions using ASP NET Web API and WCF Streamline data development across multiple platforms with Entity Framework 7 Develop modern Microsoft Office business applications Perform robust automated unit testing as you code increasing your confidence in changes and refactoring

Extend the VS 2015 IDE and Code Editor by creating custom productivity enhancing solutions Download all examples and source code presented in this book from informit.com title 9780672337369 as they become available *Managing Agile Open-Source Software Projects with Visual Studio Online* Brian Blackman, Gordon Beeming, Michael Fourie, Willy-Peter Schaub, 2015-04-16 With this ebook the ALM Rangers share their best practices in managing solution requirements and shipping solutions in an agile environment an environment where transparency simplicity and trust prevail The ebook is for Agile development teams and their Scrum Masters who want to explore and learn from the authors dogfooding experiences and their continuous adaptation of software requirements management Product Owners and other stakeholders will also find value in this ebook by learning how they can support their Agile development teams and by gaining an understanding of the constraints of open source community projects **Microsoft Team Foundation Server 2015 Cookbook** Tarun Arora, 2016-01-30 Over 80 hands on DevOps and ALM focused recipes for Scrum Teams to enable the Continuous Delivery of high quality Software Faster About This Book Release high quality reliable software quickly through building testing and deployment automation Improve the predictability reliability and availability of TFS in your organization by scheduling administration and maintenance activities Extend customize and integrate tools with TFS enabling your teams to manage their application lifecycles effectively Who This Book Is For This book is aimed at software professionals including Developers Testers Architects Configuration Analysts and Release Managers who want to understand the capabilities of TFS to deliver better quality software faster A working setup of TFS 2015 and some familiarity with the concepts of software life cycle management is assumed What You Will Learn Creating a Team Project with Dashboards Assigning License Adding users and Auditing Access Setting up a Git repository in an existing TFVC based Team Project Setting up branch policies and conducting Pull requests with code reviews Mapping assigning and tracking work items shared by multiple teams Setting up and customizing Backlogs Kanban board Sprint Taskboard and dashboards Creating a Continuous Integration Continuous Build and Release Pipeline Integrating SonarQube with TFS to manage Technical Debt Triggering Selenium Web Tests on a Selenium Test Grid using TFS Using Visual Studio Team Services Cloud load testing capability with new Build framework Extending and customizing the capabilities of Team Foundation Server using API and Process Editor In Detail Team Foundation Server TFS allows you to manage code repositories build processes test infrastructure and deploy labs TFS supports your team enabling you to connect collaborate and deliver on time Microsoft's approach to Application Lifecycle Management ALM provides a flexible and agile environment that adapts to the needs of your team removes barriers between roles and streamlines processes The book introduces you to creating and setting up team projects for scrum teams You'll explore various source control repositories branching and merging activities along with a demonstration of how to embed quality into every code check in Then you'll discover agile project planning and management tools Later emphasis is given to the testing and release management features of TFS which facilitate the automation of the release pipeline in order to create

potentially shippable increments By the end of the book you ll have learned to extend and customize TFS plugins to incorporate them into other platforms and enable teams to manage the software lifecycle effectively Style and approach This book is a recipe based guide that uses a problem solution format to call out inefficiencies in the software development lifecycle and then guides you step by step on how you can use Team Foundation Server to your advantage in those areas

DevOps on the Microsoft Stack Wouter de Kort,2016-04-29 This book tells you everything you need to know to help your organization implement DevOps on the Microsoft platform You will learn how to use Visual Studio Visual Studio Team Services and Azure to implement a complete DevOps process in your company You will learn about Agile Project Management Continuous Integration Continuous Delivery Technical Debt Management Automatic Testing and Monitoring and see how all these areas fit together DevOps is important for organizations that want to make the best use of their resources and avoid costly mistakes Teams that embrace DevOps deploy code up to 30 times more frequently than their competition and less than 50% of their deployments fail according to Puppet Labs State of DevOps survey DevOps on the Microsoft Stack shows you how to help your organization implement DevOps covering the tooling they will need and how to make everything work together while following best practices The focus is not only on technology but also on the cultural issues that teams will face when implementing DevOps The author s goal is to not only show you which tooling there is but help you to successfully use everything together to implement DevOps in your projects and organization In this book you ll learn What DevOps is and how it can help development teams How to use Visual Studio Visual Studio Team Services and Azure to setup a DevOps process How to introduce DevOps to your organization and how to overcome problems

Microsoft Robotics Developer Studio Fouad Sabry,2025-01-03 Microsoft Robotics Developer Studio This chapter introduces the key components and features of the Microsoft Robotics Developer Studio the primary framework for building and simulating robotics applications Microsoft Visual C Dive into the integration of Microsoft Visual C which provides a robust development environment for programming robotic applications efficiently Cross compiler Learn how crosscompilation tools expand the compatibility of your robotics programs allowing them to run on different platforms Visual programming language Explore the visual programming interface used to simplify the development of robotic systems making it easier for developers to create applications Microsoft XNA Understand how Microsoft XNA enhances the development of simulations and games contributing to robotics visualizations and simulation environments Robotics suite This chapter covers the suite of tools offered by Microsoft for building testing and deploying robotic systems enhancing the workflow Microsoft Visual Programming Language Discover the Microsoft Visual Programming Language VPL a tool that allows for easy programming through a graphical interface ideal for beginners and experts alike Concurrency and Coordination Runtime Delve into the concurrency and coordination runtime essential for managing tasks and processes in multithreaded robotic systems Visual Studio Tools for Office Understand how Visual Studio Tools for Office integrates with

robotics development improving productivity through office automation Visual Studio This chapter examines the features of Visual Studio and its role in streamlining the coding debugging and testing phases of robotic system development Visual Studio Tools for Applications Learn how Visual Studio Tools for Applications helps integrate custom solutions into the development pipeline enabling flexibility in robotics programming Robotics simulator Explore how robotics simulators allow for testing and validation of robot behaviors and systems in a safe controlled virtual environment before realworld implementation Tandy Trower Gain insights into the leadership of Tandy Trower and his contributions to the evolution of the Microsoft Robotics Developer Studio FlexSim Learn how FlexSim provides simulation solutions that are essential in testing robotic systems and their applications across various industries VIPLE This chapter explains the Visual Programming Language for Education VIPLE aimed at simplifying the development of educational robotics applications AirSim AirSim is explored here showcasing its role in simulating drones and other unmanned aerial vehicles for robotics development Visual Basic NET Learn how Visual Basic NET is used for creating robotics applications with a focus on ease of use and rapid development cycles CBuilder Discover how CBuilder simplifies the creation of highperformance applications in robotics offering seamless integration with Microsoft tools Microsoft Foundation Class Library This chapter focuses on using the Microsoft Foundation Class Library MFC for creating userfriendly graphical interfaces for robotics systems C99 Understand the role of the C99 programming language in robotics emphasizing portability and efficiency in lowlevel system development

Learning Windows Server Containers Srikanth Machiraju, 2017-04-28 Build package and deploy applications as easily manageable and shippable containers About This Book Discover the secret to building highly portable apps that run on any machine with Windows Server 2016 anywhere from laptops desktop servers and public or private clouds without any changes to the code Build your company cost effective container based apps that support large scale virtual cloud environments The most up to date help on the market offering developers expert guidance in building and shipping high quality apps and also helping admins create infrastructure that s simple to maintain Who This Book Is For This book is for application developers with a basic programming knowledge of C ASP NET and PowerShell IT Administrators or DevOps engineers with basic PowerShell experience can benefit by extending their learning to use PowerShell to manage containers on Windows environments and use additional management tools What You Will Learn Build and deploy ASP NET web applications as Windows Containers on Windows 10 Desktop and Azure using Visual Studio 2015 Docker and PowerShell Build and manage custom images using Windows Server Core base OS image and Docker CLI publish images to Docker tag images author Docker files and so on Create enterprise scale production grade container environments using Redis Cache containers and SQL Server containers with storage volumes set up custom container networks continuous integration and deployment pipelines using VSTS Azure and Git Deploy a composite container environment using Docker Compose on Windows Learn to build applications using Microsoft s thinnest server platform Nano Servers Build custom Nano Server images and Nano

Containers using Windows PowerShell and configure using PowerShell Core DSC In Detail Windows Server Containers are independent isolated manageable and portable application environments which are light weight and shippable Decomposing your application into smaller manageable components or MicroServices helps in building scalable and distributed application environments Windows Server Containers have a significant impact on application developers development operations DevOps and infrastructure management teams Applications can be built shipped and deployed in a fast paced manner on an easily manageable and updatable environment Learning Windows Server Containers teaches you to build simple to advanced production grade container based application using Asp Net Core Visual Studio Azure Docker and PowerShell technologies The book teaches you to build and deploy simple web applications as Windows and Hyper V containers on Windows 10 and Windows Server 2016 on Azure You will learn to build on top of Windows Container Base OS Images integrate with existing images from Docker Hub create custom images and publish to Hub You will also learn to work with storage containers built using Volumes and SQL Server as container create and configure custom networks integrate with Redis Cache containers configure continuous integration and deployment pipelines using VSTS and Git Repository Further you can also learn to manage resources for a container setting up monitoring and diagnostics deploy composite container environments using Docker Compose on Windows and manage container clusters using Docker Swarm The last chapter of the book focuses on building applications using Microsoft s new and thinnest server platform Nano Servers Style and approach This hands on tutorial helps you get started with Windows Server containers the new trend in the container market This example driven guide is packed with real world scenarios of Windows Server containers in production environments **Professional**

Application Lifecycle Management with Visual Studio 2013 Mickey Gousset, Martin Hinshelwood, Brian A. Randell, Brian Keller, Martin Woodward, 2014-03-26 Ramp up your software development with this comprehensive resource Microsoft s Application Lifecycle Management ALM makes software development easier and now features support for iOS MacOS Android and Java development If you are an application developer some of the important factors you undoubtedly consider in selecting development frameworks and tools include agility seamless collaboration capabilities flexibility and ease of use Microsoft s ALM suite of productivity tools includes new functionality and extensibility that are sure to grab your attention Professional Application Lifecycle Management with Visual Studio 2013 provides in depth coverage of these new capabilities Authors Mickey Gousset Martin Hinshelwood Brian A Randell Brian Keller and Martin Woodward are Visual Studio and ALM experts and their hands on approach makes adopting new ALM functionality easy Streamline software design and deployment with Microsoft tools and methodologies Gain a practical overview of ALM with step by step guides and reference material Case studies illustrate specific functionality and provide in depth instruction Use new capabilities to support iOS MacOS Android and Java development Discover this comprehensive solution for modeling designing and coordinating enterprise software deployments Over 100 pages of new content forward compatible with new product releases Professional

Application Lifecycle Management with Visual Studio 2013 provides a complete framework for using ALM to streamline software design and deployment processes using well developed Microsoft tools and methodologies Professional Application Lifecycle Management with Visual Studio 2013 is your guide to make use of newly available ALM features to take your enterprise software development to the next level

Testing for Continuous Delivery with Visual Studio 2012 Larry Brader,Howie Hilliker,Alan Cameron Wills,2013-03 As more software projects adopt a continuous delivery cycle testing threatens to be the bottleneck in the process Agile development frequently revisits each part of the source code but every change requires a re test of the product While the skills of the manual tester are vital purely manual testing can t keep up Visual Studio 2012 provides many features that remove roadblocks in the testing and debugging process and also help speed up and automate retesting This guide shows you how to record and play back manual tests to reproduce bugs and verify the fixes transform manual tests into code to speed up re testing monitor your project in terms of tests passed create and use effective unit tests load and performance tests run build deploy test workflows on virtual lab environments and evolve your testing process to satisfy the demands of agile and continuous delivery You ll learn how to set up all the tools you need for testing in Visual Studio 2012 and 2010 including Team Foundation Server the build system test controllers and agents SCVMM and Hyper V Each chapter is structured so that you can move gradually from entry level to advanced usage

Agile Software Engineering with Visual Studio Sam Guckenheimer,Neno Loje,2011-09-15 Using agile methods and the tools of Visual Studio 2010 development teams can deliver higher value software faster systematically eliminate waste and increase transparency throughout the entire development lifecycle Now Microsoft Visual Studio product owner Sam Guckenheimer and leading Visual Studio implementation consultant Neno Loje show how to make the most of Microsoft s new Visual Studio 2010 Application Lifecycle Management ALM tools in your environment This book is the definitive guide to the application of agile development with Scrum and modern software engineering practices using Visual Studio 2010 You ll learn how to use Visual Studio 2010 to empower and engage multidisciplinary self managing teams and provide the transparency they need to maximize productivity Along the way Guckenheimer and Loje help you overcome every major impediment that leads to stakeholder dissatisfaction from mismatched schedules to poor quality blocked builds to irreproducible bugs and technology silos to geographic silos Coverage includes Accelerating the flow of value to customers in any software project no matter how large or complex Empowering high performance software teams and removing overhead in software delivery Automating burndowns and using dashboards to gain a real time multidimensional view of quality and progress Using Visual Studio 2010 to reduce or eliminate no repro bugs Automating deployment and virtualizing test labs to make continuous builds deployable Using Test Impact Analysis to quickly choose the right tests based on recent code changes Working effectively with sources branches and backlogs across distributed teams Sharing code build automation test project and other data across NET and Java teams Uncovering hidden architectural patterns in legacy software so you can refactor changes more confidently

Scaling Scrum to large distributed organizations Whatever your discipline this book will help you use Visual Studio 2010 to focus on what really matters building software that delivers exceptional value sooner and keeps customers happy far into the future

Continuous Delivery with Windows and .NET Matthew Skelton,Chris O'Dell,2016 Professional Application Lifecycle Management with Visual Studio 2012 Mickey Gousset,Brian Keller,Martin Woodward,2012-09-07 The authoritative and timely guide to ALM from Microsoft insiders and MVPs Focused on the latest release of Visual Studio this edition shows you how to use the Application Lifecycle Management ALM capabilities of Visual Studio 2012 to streamline software design development and testing Divided into six main parts this timely and authoritative title covers Team Foundation Server stakeholder engagement project management architecture software development and testing Whether serving as a step by step guide or a reference for designing software solutions this book offers a nuts and bolts approach to using Microsoft s flagship development tools to solve real world challenges throughout the application lifecycle Coverage includes

INTRODUCTION TO APPLICATION LIFECYCLE MANAGEMENT WITH VISUAL STUDIO INTRODUCTION TO TEAM FOUNDATION SERVER TEAM FOUNDATION VERSION CONTROL TEAM FOUNDATION BUILD COMMON TEAM FOUNDATION SERVER INTRODUCTION TO BUILDING STORYBOARDING CAPTURING STAKEHOLDER FEEDBACK AGILE PLANNING AND TRACKING INTRODUCTION TO SOFTWARE ARCHITECTURE TOP DOWN DESIGN WITH USE CASE ANALYZING APPLICATIONS USING USING LAYER DIAGRAMS TO MODEL INTRODUCTION TO SOFTWARE DEVELOPMENT UNIT TESTING CODE ANALYSIS CODE METRICS PROFILING AND PERFORMANCE DEBUGGING WITH INTELLITRACE INTRODUCTION TO SOFTWARE TESTING MANUAL TESTING CODED USER INTERFACE TESTING WEB PERFORMANCE AND LOAD TESTING LAB MANAGEMENT

Professional Application Lifecycle Management with Visual Studio 2012 offers a thoroughly revised and updated edition of the leading reference book on ALM

Pro Application Lifecycle Management with Visual Studio 2012 Joachim Rossberg,Mathias Olausson,2012-11-27 You can have the best coders in the world working in your teams but if your project management isn t up to scratch your project is almost certain to be delayed to come in over budget and in some cases to fail entirely By taking precise control of your application development process you can make changes both large and small throughout your project s life cycle that will lead to better quality finished products that are consistently delivered on time and within budget Application lifecycle management ALM is an area of rapidly growing interest within the development community Because its techniques allow you to deal with the process of developing applications across many areas of responsibility and across many different disciplines its effects on your project can be wide ranging and pronounced It is a project management tool that has practical implications for the whole team from architects to designers from developers to testers Pro Application Lifecycle Management with Visual Studio 2012 focuses on the most powerful ALM tool available for the Microsoft NET Framework Visual Studio Team Foundation Server It demonstrates the key concepts and techniques of ALM at first with a guide to the overall methodology and then

delves into architecture and testing illustrating all of the concepts tips and tricks using the tools TFS provides The book serves as a complete guide to the ALM style with no fluff and many relevant code samples and examples After reading the book you will understand how TFS can be used to generate continuous meaningful reporting on your project s health for the decision makers on your team as well as for your project s sponsors

Agile Application Lifecycle Management Bob Aiello,Leslie Sachs,2016-06-01 Integrate Agile ALM and DevOps to Build Better Software and Systems at Lower Cost Agile Application Lifecycle Management ALM is a comprehensive development lifecycle that encompasses essential Agile principles and guides all activities needed to deliver successful software or other customized IT products and services Flexible and robust Agile ALM offers just enough process to get the job done efficiently and utilizes the DevOps focus on communication and collaboration to enhance interactions among all participants Agile Application Lifecycle Management offers practical advice and strategies for implementing Agile ALM in your complex environment Leading experts Bob Aiello and Leslie Sachs show how to fully leverage Agile benefits without sacrificing structure traceability or repeatability You ll find realistic guidance for managing source code builds environments change control releases and more The authors help you support Agile in organizations that maintain traditional practices conventional ALM systems or siloed non Agile teams They also show how to scale Agile ALM across large or distributed teams and to environments ranging from cloud to mainframe Coverage includes Understanding key concepts underlying modern application and system lifecycles Creating your best processes for developing your most complex software and systems Automating build engineering continuous integration and continuous delivery deployment Enforcing Agile ALM controls without compromising productivity Creating effective IT operations that align with Agile ALM processes Gaining more value from testing and retrospectives Making ALM work in the cloud and across the enterprise Preparing for the future of Agile ALM Today you need maximum control quality and productivity and this guide will help you achieve these capabilities by combining the best practices found in Agile ALM Configuration Management CM and DevOps

Building a Release Pipeline with Team Foundation Server 2012 Larry Brader,Roberta Leibovitz,Jose Luis Soria Teruel,2013-10-04 You re expected to produce releases at an ever increasing rate You re under pressure to add new features and deploy to customers sometime between your first cup of coffee in the morning and lunch if you have time to eat it In the meantime you have the same release processes you ve always had and it s got problems Maybe there s some automation but there s room for lots of improvement Manual steps are everywhere everyone has a different environment and working all weekend to get a release into production is normal One of the biggest problems is that changing how your software is released won t happen by waving a magic wand or writing a memo It comes through effort time and money That takes commitment from every group involved in the software process test development IT operations and management Finally change is scary Your current release process bears no similarity to the well oiled machines you ve seen in a dozen PowerPoint presentations but it s yours you know its quirks and you are shipping This book

is here to help you with some of these challenges It explains how to progressively evolve the process you use to release software There are many ways to improve the release process We largely focus on how to improve its implementation the release pipeline by using and customizing the default build templates provided by Team Foundation Server TFS and Lab Management We move forward in small iterations so that no single change you make is too drastic or disruptive The goal of this book is to put you on the road toward continuous delivery By continuous delivery we mean that through techniques such as versioning continuous integration automation and environment management you will be able to decrease the time between when you first have an idea and when that idea is realized as software that s in production We also hope to show that there are practical business reasons that justify every improvement you want to make A better release process makes economic sense

Professional Application Lifecycle Management with Visual Studio® 2010 Mickey Gousset,Brian Keller,Ajoy Krishnamoorthy,Martin Woodward,2006 Get up to speed on Application Lifecycle Management ALM with Visual Studio 2010 through a combination of hands on instruction and deep dives Microsoft has packed a lot of brand new testing and modeling tools into Visual Studio 2010 tools that previously were available only to Microsoft internal development teams Developers will appreciate the focus on practical implementation techniques and best practices A team of Microsoft insiders provides a nuts and bolts approach This Wrox guide is designed as both a step by step guide and a reference for modeling designing and coordinating software development solutions at every level using Visual Studio 2010 and Visual Studio Team Foundation Server 2010 Visual Studio 2010 offers a complete lifecycle management system that covers modeling testing code analysis collaboration build and deployment tools Coverage includes An Introduction to Software Architecture Top down Design with Use Case Diagrams Activity Diagrams and Sequence Diagrams Top down Design with Component and Class Diagrams Analyzing Applications Using Architecture Explorer Using Layer Diagrams An Introduction to Software Development Unit Testing with the Unit Test Framework Managed Code Analysis and Code Metrics Profiling and Performance Database Development Testing and Deployment An Introduction to IntelliTrace An Introduction to Software Testing Web Performance and Load Testing Manual Testing Coded User Interface Testing Lab Management Introduction to Team Foundation Server Team Foundation Architecture Team Foundation Version Control Branching and Merging Team Foundation Build An Introduction to Project Management Process Templates Using Reports Portals and Dashboards Agile Planning Using Planning Workbooks Process Template Customizations Professional Application Lifecycle Management with Visual Studio 2010 shows developers testers architects and project managers alike how to leverage the power of Visual Studio 2010 to streamline software design and development

Professional Application Lifecycle Management with Visual Studio 2010 Mickey Gousset,Brian Keller,Ajoy Krishnamoorthy,Martin Woodward,2010-05-21 Get up to speed on Application Lifecycle Management ALM with Visual Studio 2010 through a combination of hands on instruction and deep dives Microsoft has packed a lot of brand new testing and modeling tools into Visual Studio 2010 tools that previously were

available only to Microsoft internal development teams Developers will appreciate the focus on practical implementation techniques and best practices A team of Microsoft insiders provides a nuts and bolts approach This Wrox guide is designed as both a step by step guide and a reference for modeling designing and coordinating software development solutions at every level using Visual Studio 2010 and Visual Studio Team Foundation Server 2010 Visual Studio 2010 offers a complete lifecycle management system that covers modeling testing code analysis collaboration build and deployment tools

Agile Software Engineering with Visual Studio Neno Loje, Sam Guckenheimer, 2011 Using agile methods and the tools of Visual Studio 2010 development teams can deliver higher value software faster systematically eliminate waste and increase transparency throughout the entire development lifecycle Now Microsoft Visual Studio product owner Sam Guckenheimer and leading Visual Studio implementation consultant Neno Loje show how to make the most of Microsoft's new Visual Studio 2010 Application Lifecycle Management ALM tools in your environment This book is the definitive guide to the application of agile development with Scrum and modern software engineering practices using Visual Studio 2010 You'll learn how to use Visual Studio 2010 to empower and engage multidisciplinary self managing teams and provide the transparency they need to maximize productivity Along the way Guckenheimer and Loje help you overcome every major impediment that leads to stakeholder dissatisfaction from mismatched schedules to poor quality blocked builds to irreproducible bugs and technology silos to geographic silos Coverage includes Accelerating the flow of value to customers in any software project no matter how large or complex Empowering high performance software teams and removing overhead in software delivery Automating burndowns and using dashboards to gain a real time multidimensional view of quality and progress Using Visual Studio 2010 to reduce or eliminate no repro bugs Automating deployment and virtualizing test labs to make continuous builds deployable Using Test Impact Analysis to quickly choose the right tests based on recent code changes Working effectively with sources branches and backlogs across distributed teams Sharing code build automation test project and other data across .NET and Java teams Uncovering hidden architectural patterns in legacy software so you can refactor changes more confidently Scaling Scrum to large distributed organizations Whatever your discipline this book will help you use Visual Studio 2010 to focus on what really matters building software that delivers exceptional value sooner and keeps customers happy far into the future

Uncover the mysteries within is enigmatic creation, **Continuous Delivery With Visual Studio Alm 2015** . This downloadable ebook, shrouded in suspense, is available in a PDF format (PDF Size: *). Dive into a world of uncertainty and anticipation. Download now to unravel the secrets hidden within the pages.

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