

Team Foundation Server Visual Studio Team Services

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.

The #1 guide to using Visual Studio 2010 in team development: insider coverage of this huge release, from the leader of the VSTS team * *Focuses on succeeding with new VS 2010 ALM products in real-world environments, with exclusive 'Lessons Learned at Microsoft'. *Thoroughly covers VS 2010's massive new capabilities for team development. *Contains extensive new coverage of implementing Scrum and related practices. *Covers the entire lifecycle: requirements, architecture, construction, build, test, and more This is

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the most practical, valuable guide for every member of the software team who intends to run or participate in software projects using Microsoft's Visual Studio 2010. Written by a top Microsoft Visual Studio development team leader and a leading Visual Studio implementation consultant, it focuses on the real challenges development organizations face. The authors identify powerful lessons and best practices learned at Microsoft, and cover the entire development lifecycle, from requirements gathering through testing and beyond. This edition adds extensive coverage of VS 2010's extensive new team features, as well as new coverage of using VS 2010 to actively support teams that practice Scrum. Throughout, the authors focus on showing how to use VS 2010 to reduce waste, increase transparency, and accelerate the flow of value to the end customer.

Coverage includes:

- * Requirements: vision, user stories, use cases, storyboards, satisfiers/dissatisfiers, and more
- * Running the project: self-managing teams, metrics, sprints, and dashboards
- * 'Value-up' views of software architecture, construction, and testing.
- * Build and lab: check-in, team build, continuous integration, build verification tests, reporting, deployment, and lab automation/virtualization.
- * Troubleshooting the project: overcoming issues ranging from scope creep to build failures

his book utilizes a tutorial based approach, focused on the practical customization of key features of the Team Foundation Server for collaborative enterprise software projects. This practical guide is intended for those who want to extend TFS. This book is for intermediate users

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who have an understanding of TFS, and basic coding skills will be required for the more complex customizations.

This book covers the critical as well as the less obvious aspects of managing Microsoft Team Foundation Server 2015 in a variety of development and test environments. Coverage includes basic installation, initial configuration, maintenance, and common trouble shooting techniques, sizing, and performance considerations. Essentials of Administering Team Foundation Server 2015 explains how TFS can help you incorporate source control in your development environment. You'll learn how to set up TFS to match how you develop software. The book covers using TFS in the whole development process, along with practical advice on how to use its features effectively to get up to speed quickly. In addition, the author dives into using TFS in your team covering subjects like setting up accounts for different roles, manage users, and groups--plus what you need to know about TFS security and running a secure team. No discussion of a centralized system like TFS would be complete without learning how to back up and restore it, and the author covers what you will need to know to maintain your TFS including the backup and restore details required to properly plan for disaster recovery. The book details what you need to know about TFS functionality in creating and setting up collections and projects, how to manage the build process with Team Build (including setting it up and deploying build server and agents), using templates to speed up the creation of builds, building multi-platform solutions, and testing. In

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this book, you'll learn how to: Plan, install, and configure TFS Secure your TFS environment Plan and manage source control with TFS Manage the development process with TFS Manage the build process Test with TFS

This Starter guide is a short, sharp introduction to Team Foundation Server 12, covering everything you need to get up and running. If you are a developer, project lead, tester, or IT administrator working with Team Foundation Server 2012 this guide will get you up to speed quickly and with minimal effort.

This is the definitive guide to the application of agile development and modern software engineering practices using Visual Studio 2012 * *Focuses on succeeding with new VS 2012 ALM products in real-world environments, with exclusive 'Lessons Learned at Microsoft'

*Thoroughly covers VS 2012's new capabilities for team development. *Contains extensive new coverage of implementing Scrum and related practices. *Covers the entire lifecycle: requirements, architecture, construction, build, and test This is the most practical, valuable guide for every member of the software team who intends to run or participate in software projects using Microsoft's Visual Studio 2012 Team Foundation Server (TFS).

Written by a top Microsoft Visual Studio development team leader and a leading Visual Studio implementation consultant, it focuses on the real challenges development organizations face. The authors identify powerful lessons and best practices learned at Microsoft, and cover the entire development lifecycle, from requirements gathering through testing and beyond. This

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edition adds coverage of VS 2012's extensive new team features, as well as new coverage of using TFS to actively support teams that practice Scrum. Throughout, the authors focus on showing how to use TFS to reduce waste, increase transparency, and accelerate the flow of value to the end customer.

Authoritative guide to TFS 2010 from a dream team of Microsoft insiders and MVPs! Microsoft Visual Studio Team Foundation Server (TFS) has evolved until it is now an essential tool for Microsoft's Application Lifestyle Management suite of productivity tools, enabling collaboration within and among software development teams. By 2011, TFS will replace Microsoft's leading source control system, VisualSourceSafe, resulting in an even greater demand for information about it.

Professional Team Foundation Server 2010, written by an accomplished team of Microsoft insiders and Microsoft MVPs, provides the thorough, step-by-step instruction you need to use TFS 2010 efficiently so you can more effectively manage and deliver software products in an enterprise. Provides a broad overview of Team Foundation Server for developers, software project managers, testers, business analysts, and others wanting to learn how to use TFS Gives TFS administrators the tools they need to efficiently monitor and manage the TFS environment Covers core TFS functions including project management, work item tracking, version control, test case management, build automation, reporting, and more Explains extensibility options and how to write extensions for TFS 2010 Helps certification candidates prepare for the Microsoft Team

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Foundation Server 2010 certification exam (Exam 70-512) The clear, programmer-to-programmer Wrox style of Professional Team Foundation Server 2010 will soon have you thoroughly up to speed.

As the most important component of Microsoft's Visual Studio(r) 2005 Team System, Team Foundation Server is the central integration point that provides a collaborative environment for every member of a team, regardless of role. Since Team Foundation Server is so tightly interwoven with the rest of Team System, the authors have decided to present you with an invaluable resource that covers both, so that you may learn to set up and administer Team Foundation Server in order to effectively use the whole Team System toolset effectively. Three Microsoft Team System MVPs cover how to plan a Team System deployment, complete a software project, and everything in between. They show you how to handle real-world challenges and tackle the tasks and scenarios that encompass the entire software development lifecycle. What you will learn from this book

- How to implement IT governance such as Sarbanes-Oxley
- How to work with mixed environments (including Java and .NET)
- How to set up the product for large distributed environments
- How and why to take multiple lifecycles into consideration when deploying and using Team System
- How to create custom development tools and administer and customize work items
- How to monitor your team project metrics using SQL Server Reporting Services

Who this book is for This book is for project managers, IT administrators, and anyone whose role consists of administering Team Foundation Server

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on a daily basis, running a software project, setting up users, or handling security. Wrox Professional guides are planned and written by working programmers to meet the real-world needs of programmers, developers, and IT professionals. Focused and relevant, they address the issues technology professionals face every day. They provide examples, practical solutions, and expert education in new technologies, all designed to help programmers do a better job.

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

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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.

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'll 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

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to plan, design, and implement powerful and reliable deployment pipelines Detailed step-by-step instructions for implementing Continuous Delivery on a real project This guide shows how to get the most out of Visual Studio 2005 Team Foundation Server to help improve the effectiveness of team-based software development. (Computer Books)

Pro Team Foundation Service gives you a jump-start into Microsoft's cloud-based Application Lifecycle Management platform, taking you through the different stages of software development. Every project needs to plan, develop, test and release software and with agile practices often at a higher pace than ever before.

Microsoft's Team Foundation Service is a cloud-based platform that gives you tools for agile planning and work tracking. It has a code repository that can be used not only from Visual Studio but from Java platforms and Mac OS X. The testing tools allow testers to start testing at the same time as developers start developing. The book also covers how to set up automated practices such as build, deploy and test workflows. This book: Takes you through the major stages in a software development project. Gives practical development guidance for the whole team. Enables you to quickly get started with modern development practices. With Microsoft Team Foundation Service comes a collaboration platform that gives you and your team the tools to better perform your tasks in a fully integrated way. What you'll learn What ALM is and what it can do for you. Leverage a cloud-based ALM platform for quick improvements in your development process. Improve your agile development

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process using integrated tools and practices. Develop automated build, deployment and testing processes. Integrate different development tools with one collaboration platform. Get started with ALM best-practices first time round. Who this book is for Pro Team Foundation Service is for any development team that wants to take their development practices to the next level. Microsoft Team Foundation Service is an excellent platform for managing the entire application development lifecycle and being a cloud-based offering it is very easy to get started. Pro Team Foundation Service is a great guide for anyone in a team who wants to get started with the service and wants to get expert guidance to do it right.

Table of Contents Introduction to Application Lifecycle Management Introduction to Agile Planning, Development, and Testing Deciding on a Hosted Service Getting Started Working with the Initial Product Backlog Managing Team and Alerts Initial Sprint Planning Running the Sprint Kanban Engaging the Customer Choosing Source Control Options Working with Team Foundation Version Control in Visual Studio Working with Git in Visual Studio Working in Heterogeneous Environments Configuring Build Services Working with Builds Customizing Builds Continuous Deployment Agile Testing Test Management Lab Management

As software complexity increases, proper build practices become ever more important. This essential reference—fully updated for Visual Studio 2010—drills inside MSBuild and shows you how to maximize your control over the build and deployment process. Learn how to customize and extend build processes with

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MSBuild—and scale them to the team, product, or enterprise level with Team Foundation Build.

Este livro tem como principal objetivo apresentar aos desenvolvedores, gerentes de projetos e demais profissionais de tecnologia envolvidos na fabricação de software em geral os benefícios que o DLC (Software Development Life Cycle) baseado em tecnologia Microsoft proporciona. A partir de artefatos construídos nativamente ou customizados, você será capaz de rastrear operações, prover pontos críticos em seus projetos, informar melhor seus patrocinadores internos e externos (clientes) gerar Base-Lines, desenvolver paralelamente seus projetos sem perder o controle das versões que estão simultaneamente sendo trabalhadas, entre outros grandes recursos. A proposta deste livro é levar o leitor para dentro do seu próprio processo de desenvolvimento de software, fazendo-o refletir sobre como é necessário zelar pelo controle de suas atividades, pela previsibilidade de suas ações, pela qualidade de seu código e pela colaboração de sua equipe para gerar e atingir os seus objetivos.

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

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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.

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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

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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

This book is intended for developers, testers, architects, and project managers who want to explore and make use of the reporting facilities of Team Foundation Server 2013. Although no previous experience of reporting is required, a basic understanding of the Team Foundation Components and project templates would be a plus.

In complex software projects, managing the development process can be as critical to success as writing the code itself. A project may involve dozens of developers, managers, architects, testers, and customers, hundreds of builds, and

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thousands of opportunities to get off-track. To keep tabs on the people, tasks, and components of a medium- to large-scale project, most teams use a development system that allows for easy monitoring, follow-up, and accountability. Microsoft Team Foundation Server 2008 (TFS), the server component of Microsoft's Visual Studio Team System (VSTS), provides a powerful collaborative platform for software-development teams. The product offers an integrated toolset for tracking work items, creating test cases, managing source code, generating builds, constructing database schemas, and so on. Because in software development one size does not fit all, TFS provides process customization, project management, and reporting capabilities to build solutions around your requirements. Team Foundation Server 2008 in Action is a hands-on guide to Team Foundation Server 2008. Written for developers with a good handle on TFS basics, this book shows you how to solve real-life problems. It's not a repetition of Microsoft's product documentation. Team Foundation Server 2008 in Action is a practitioner's handbook for how to work with TFS under common constraints. This book walks you through real-life software engineering problems based on hundreds of hours of TFS experience. You'll benefit from expert author Jamil Azher's extensive interactions with members of Microsoft's TFS team and MVPs, survey feedback from the author's blog, and interviews with organizations and user groups using TFS. Instead of just offering a high-level overview, the book provides detailed solutions for solving common-and not-so-common-problems using TFS. It discusses the strengths as well as weaknesses of TFS, and suggests appropriate problem resolution steps, workarounds, or custom solutions. Purchase of the print book comes with an offer of a free PDF, ePub, and Kindle eBook from Manning. Also available is all code from the book.

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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 TFBuild to manage Technical Debt Triggering Selenium Web Tests on a Selenium Test Grid using TFBuild 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)

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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.

Get the supplement that helps you drill even further into MSBuild—and maximize your control over the software build and deployment process. Designed as a companion to the popular book *Inside the Microsoft Build Engine: Using MSBuild and Team Foundation Build, Second Edition*, this supplement extends your knowledge by covering what's new in Visual Studio 2012 for MSBuild and Team Foundation Build. You'll also gain a fresh cookbook of examples to help you get productive with UI changes, batching, Team Foundation Server, offline apps, database publishing, and other essential topics. Extends your knowledge of MSBuild with all-new coverage of Visual Studio 2012 Shares additional hands-on insights and guidance from two expert authors Provides a cookbook of examples to study and reuse Use Visual Studio® Team Foundation Server 2012 and Agile

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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

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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. A team of Microsoft insiders shows programmers how to use Visual Studio 2005 Team System, the new suite of products from Microsoft that can be used for software modeling, design, testing, and deployment. Focuses on practical application of the tools on code samples, development scenarios, and automation scripting. This timely book serves as both as a step-by-step guide and as a reference for modeling, designing, and coordinating enterprise solutions at every level using Team System. The book begins with an overview of Team System and then offers nuts-and-bolts guidance on practical implementation. Code examples are provided in both VB.NET and C#.

Discover how to turn requirements into working software increments—faster and more efficiently—using Visual Studio 2012 in combination with Scrum and Agile engineering practices. Designed for software development teams, this guide delivers pragmatic, role-based guidance for exploiting the capabilities of Application Lifecycle Management (ALM) tools in Visual Studio and Team Foundation Server. Team members will learn proven practices and techniques for implementing Scrum to manage an application's life cycle, as well as seamlessly plan, manage, and track their Scrum projects.

A comprehensive guide to using Microsoft Team Foundation Server 2012. Team Foundation Server has become the leading Microsoft productivity tool for software management, and this book covers what developers need to know to use it effectively. Fully revised for the new features of TFS 2012, it provides developers and software project managers with step-by-step instructions and even assists those who are studying

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for the TFS 2012 certification exam. You'll find a broad overview of TFS, thorough coverage of core functions, a look at extensibility options, and more, written by Microsoft insiders and MVPs. An update of the leading Wrox book on Team Foundation Server, written by an expert team of Microsoft insiders and MVPs Provides a broad overview of Team Foundation Server for developers, software project managers, testers, business analysts, and others wanting to learn how to use TFS Offers administrators the necessary tools to efficiently monitor and manage the TFS environment Covers core TFS functions including project management, work item tracking, version control, test case management, build automation, reporting, and how to write extensions for TFS 2012 Professional Team Foundation Server 2012 builds on the proven Wrox Professional formula to give you a solid background in this software management tool.

Taking a unique IDE-centric approach, well-respected authors examine the IDE capabilities readers will need to perform specific tasks, demonstrated in the context of building XML Web services The only book on the topic that introduces each characteristic of the IDE followed by an example of the context in which that feature is used Covers creating custom templates and wizards, reusing code and lightweight code generators, dynamically generating forms through reflections, managing data in the IDE, using the SQL designer to write stored procedures, debugging ASP.NET Web forms, and much more

Team Foundation Server is now for everyone! Team Foundation Server is an integral part of Microsoft's Application Lifecycle Management suite for managing and delivering software projects. The 2013 update has opened up TFS for everyone by expanding capabilities to support iOS, MacOS, Android, and Java development. Professional Team Foundation Server 2013 covers the latest updates for Agile

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Project Management, Test-Case Management, Release Management, and shows new users the TFS workflow for managing and delivering products. The authors leverage their positions as MVP Microsoft insiders to guide you step-by-step through all things TFS, as well as help prepare you for the Team Foundation Server Certification Exam. Provides a broad overview of Team Foundation Server for developers, software project managers, testers, business analysts, and others wanting to learn how to use TFS Gives TFS administrators the tools they need to efficiently monitor and manage the TFS environment Covers core TFS functions including project management, work item tracking, version control, test case management, build automation, reporting Explains extensibility options and how to write extensions for TFS Helps certification candidates prepare for the Microsoft Team Foundation Server 2013 certification exam Professional Team Foundation Server 2013 is the ultimate guide to mastering this invaluable developer's tool.

Take your expertise to the next level by unraveling various techniques to customize TFS 2015 About This Book Learn how to efficiently modify your TFS-specific dashboards for complex server plugins Find out the pros and cons of various extension points and customizations in TFS A fast-paced guide with highly concentrated information on TFS customizations Who This Book Is For This book is intended for anyone with experience with TFS, and in particular, those intermediate users who want to add more value to their organization by making its TFS users more productive. The book requires basic coding skills. What You Will Learn Customize TFS 2015 dashboard and administer various components Configure board cards, swim lanes, and columns Explore the types of changes that can be made on the TFS process templates Create your own custom control for the Web and client work item forms Build up new check-in

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Get to grips with your personal server plugins and their uses
Customize both XAML builds and the new build system
Schedule jobs for more complicated business rules to run on a schedule
Extend your TFS possibilities with service hooks and VSO extensions
In Detail Team Foundation Server is an efficacious collaboration tools that will allow you to share code, track records, software, all in a single package.

Integrate it with your existing IDE or editor and let your team work in a flexible environment that adapts to projects of all shapes and sizes. Explore what gives you the edge over other developers by knowing the tips and quick fixes of customizing TFS. Effectively minimize the time users spend interacting with TFS so that they can be more productive. In this book you will quickly cover lots of TFS extension points, from the very basic task of customizing and configuring dashboards to customizing automated builds and check-in policies. You will learn how to create dashboards in TFS 2015, as well as add tiles, graphs, and more useful modifications. You'll perform customizations that make TFS work for you by streamlining your team's boards. You'll cast modifications to the process template and learn the tips and tricks required to make efficient and valuable uses of your team's board. From team-specific dashboards to complex server plugins, everything is covered in this concentrated guide to aid your knowledge. Delving deep, this book covers the pros and cons of check-in policies, as well as their proper debugging and deployment strategies. After that you will learn about advanced XAML builds and TFS jobs to further experiment with the activities of your jobs on your system. Finally, you will learn about service hooks and the amazing utility of .VSO extensions to help you create new extensions and explore new levels of customization. Style and approach This is an easy-to-follow guide with clearly explained and demonstrated examples.

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Visual Studio Team System (VSTS) gives Microsoft development teams a powerful, integrated toolset for Agile development. Visual Studio Team System: Better Software Development for Agile Teams is a comprehensive, start-to-finish guide to making the most of VSTS in real-world Agile environments. Using a book-length case study, the authors show how to use VSTS to improve every aspect of software development, step by step—from project planning through design and from coding through testing and deployment. Agile consultant Will Stott and Microsoft development lead James Newkirk carefully integrate theory and practice, offering hands-on exercises, practical insights into core Extreme Programming (XP) techniques, and much more. Coverage includes Using VSTS to support the transition to Agile values and techniques Forming Agile teams and building effective process frameworks Leveraging Team Foundation Version Control to help teams manage change and share their code effectively Implementing incremental builds and integration with Team Foundation Build Making the most of VSTS tools for Test-Driven Development and refactoring Bringing agility into software modeling and using patterns to model solutions more effectively Using the FIT integrated testing framework to make sure customers are getting what they need Estimating, prioritizing, and planning Agile projects Software Engineering with Microsoft Visual Studio Team System is written for any software team that is considering running a software project using Visual Studio Team System (VSTS), or evaluating modern software development practices for its use. It is about the

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value-up paradigm of software development, which forms the basis of VSTS: its guiding ideas, why they are presented in certain ways, and how they fit into the process of managing the software lifecycle. This book is the next best thing to having an onsite coach who can lead the team through a consistent set of processes. Sam Guckenheimer has been the chief customer advocate for VSTS, responsible for its end-to-end external design. He has written this book as a framework for thinking about software projects in a way that can be directly toolled by VSTS. It presents essential theory and practical examples to describe a realistic process for IT projects. Readers will learn what they need to know to get started with VSTS, including The role of the value-up paradigm (versus work-down) in the software development lifecycle, and the meanings and importance of “flow” The use of MSF for Agile Software Development and MSF for CMMI Process Improvement Work items for planning and managing backlog in VSTS Multidimensional, daily metrics to maintain project flow and enable estimation Creating requirements using personas and scenarios Project management with iterations, trustworthy transparency, and friction-free metrics Architectural design using a value-up view, service-oriented architecture, constraints, and qualities of service Development with unit tests, code coverage, profiling, and build automation Testing for customer value with scenarios, qualities of service, configurations, data, exploration, and metrics Effective bug reporting and bug assessment Troubleshooting a project: recognizing and correcting common pitfalls and

Online Library Team Foundation Server Visual Studio Team Services

antipatterns This is a book that any team using or considering VSTS should read.

A team of Microsoft insiders shows programmers how to use Visual Studio 2005 Team System, the new suite of products from Microsoft that can be used for software modeling, design, testing, and deployment Focuses on practical application of the tools on code samples, development scenarios, and automation scripting This timely book serves as both as a step-by-step guide and as a reference for modeling, designing, and coordinating enterprise solutions at every level using Team System The book begins with an overview of Team System and then offers nuts-and-bolts guidance on practical implementation Code examples are provided in both VB.NET and C#

Provides information on best practices and strategies for SharePoint implementation, including integrating SharePoint with external data sources, governance strategies, planning for disaster recovery, records management, and security.

Master build and release management with Team Foundation Service and Visual Studio Team Services to facilitate the continuous delivery of software updates to your development team. You'll receive detailed, practical guidance on automating website deployments in Azure App Service, database deployments to Azure platform, Micro Services deployments in Azure Service Fabric, and more. Each deployment is structured with the aid of hands-on lessons in a given target environment designed to empower your teams to achieve successful DevOps. This book provides lessons on how to optimize

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build release management definitions using capabilities, such as task groups. With the help of practical scenarios, you'll also learn how to diagnose and fix issues in automated builds and deployments. You'll see how to enhance the capability of build and release management, using team services/TFS Marketplace extensions and writing your own extensions for any missing functionality via hands-on lessons. What You Will Learn Automate deployment to Azure platform, including Web App Service, Azure SQL and Azure Service Fabric Test automation integration with builds and deployments Perform Dynamic CRM deployment handling and package management with TFS/VSTS Examine requirement to production delivery traceability in practical terms Review cross platform build/deployment capabilities of TFS/VSTS. Who This Book Is For Build/Release Engineers, Configuration Managers, Software Developers, Test Automation Engineers, System Engineers, Software Architects and System/Production Support Engineers or anyone who handles and involves in the software delivery process. Be Right at Home in the World's Most Powerful Web Development Environment For large-scale web application development, Visual Studio 2005 is the most capable product around. This book shows team members and leaders how to use its power in several key dimensions. You'll master dozens of built-in features for creating a large, high-performance website based on ASP.NET 2.0. You'll work seamlessly with dynamic data, both reading from and writing to databases. And throughout, you'll learn how Visual Studio 2005 supports

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a more efficient group process in terms of design, development, and deployment. And everything is brought together with the enterprise-scale example, "ABC Incorporated," that runs throughout the book. This is a book no web developer, and no web-dependent organization, should be without. Coverage Includes Reaping the benefits of master pages and themes Generating site maps and other navigational aids automatically Building a shopping cart application for your website Adding search functionality to your website Creating a flexible user environment using Webpart technology Increasing application performance using client-side and server-side scripting technologies Giving users the ability to change the website's theme to meet specific needs Using components and controls to add special effects and user customization Improving team efficiency using modern development and design techniques Monitoring and responding to usage statistics Combining technologies to get the best possible results from large applications Making your site accessible to everyone Master Standards-Based Web Development Techniques New to Visual Studio 2005 Discover How Visual Studio 2005 Solves Team Development Issues, Such as Source Code Control and Application Design Simplify Database Application Development without Compromising Security or Reliability

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