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Disciplina	004
Soggetti	Microsoft software Microsoft .NET Framework Software engineering Computer programming Microsoft Software Engineering Programming Techniques
Lingua di pubblicazione	Inglese
Formato	Materiale a stampa
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Note generali	Includes index.
Nota di contenuto	Contents at a Glance; Contents; About the Authors; About the Technical Reviewers; Introduction; Chapter 1: Introduction to Continuous Delivery; Continuous Integration; Why Implement Continuous Integration?; Build Automation; Unit Testing ; Inspection ; Feedback ; Packaging; Publishing to an Artifact Store; Continuous Delivery; The "Null" Release Cycle ; Release Planning ; Release Pipelines ; Environments ; Release Management and Deployment ; Automated Release Validation ; Continuous Deployment ; DevOps; Summary; Chapter 2: Overview of Visual Studio 2015 ALM Agile Project Management Process Templates; Product Backlog; Sprint Backlog and Task Boards; Kanban Board; Source Control Management; Build Automation ; Test Management ; Release Management ; Cross-Platform Support ; Integration and Extensibility; REST API ; Service Hooks; Extensions (Apps); Application Insights ; Visual Studio Online; Summary; Chapter 3: Designing an Application for Continuous Delivery; Scenario; Architecture; System Requirements; Environments;

Development; Test; QA; Production; Summary; Chapter 4: Managing the Release Process; Planning Your Release
Defining the Release Process Versioning; Release Notes; Building a Release Plan; Structuring the Releases; Enabling Scalable Release Planning; Creating a Release Backlog ; Managing Dependencies ; Creating Team Backlogs; Monitoring the Release Process; Work Status ; Blocked Work; Throughput; Cycle Time; Summary; Chapter 5: Source Control Management; Centralized vs. Distributed Version Control; Team Foundation Version Control; Git ; Version Control and Continuous Delivery ; Branching and Continuous Delivery ; Working on Mainline ; Embracing Code Reviews
Applying Branch Policies Code Review Requirements; Automatically Build Pull Requests; Work Item Linking Requirements; Feature Toggles; Branch by Abstraction; Branching Strategies ; Branch by Release ; Branch by Feature ; GitFlow ; Branching and Deployment Pipelines ; Dependency Management ; Third-Party Dependencies; Source Control Dependencies; Component Dependencies; Sharing Dependencies; Branching ; Workspace Mappings ; Git Submodules ; NuGet ; Sharing NuGet Packages; Shared Folders; Internal Feed Server ; MyGet ; ProGet ; Accessing NuGet Feeds
Committing NuGet Packages to Source Control Summary; Chapter 6: PowerShell for Deployment; PowerShell; Cmdlets ; Getting Output ; PowerShell Pipeline ; Error Handling; Functions; PowerShell Drives; Sample Script/ Template ; Testing and Debugging Your Scripts; Common Scenarios; Working with the File System; List XML Files Recursively in a Folder; List All Sub-Directories in a Folder; Copy All Files from One Folder to Another Recursively; Find (and Remove) All Files Older Than 10 Days; Find Files Larger Than 1GB; Get the First and Last 10 Lines in a File
Replace a String in a Text File

Sommario/riassunto

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 to plan, design, and implement powerful and reliable deployment pipelines Detailed step-by-step instructions for implementing Continuous Delivery on a real project.
