

## Dynamicproxy Castle Project

Fully updated for ASP.NET MVC 3. Delve into the features, principles, and pillars of the ASP.NET MVC framework—deftly guided by web development luminary Dino Esposito. ASP.NET MVC forces developers to think in terms of distinct components—Model, View, Controller—that make it easier to manage application complexity, while allowing strict control over the markup. Plunge into the framework’s internal mechanics and gain perspectives on how to use this programming model versus Web Forms, and begin building your own MVC-based applications quickly.

The professional’s guide to C# 7, with expert guidance on the newest features Professional C# 7 and .NET Core 2.0 provides experienced programmers with the information they need to work effectively with the world’s leading programming language. The latest C# update added many new features that help you get more done in less time, and this book is your ideal guide for getting up to speed quickly. C# 7 focuses on data consumption, code simplification, and performance, with new support for local functions, tuple types, record types, pattern matching, non-nullable reference types, immutable types, and better support for variables. Improvements to Visual Studio will bring significant changes to the way C# developers interact with the space, bringing .NET to non-Microsoft platforms and incorporating tools from other platforms like Docker, Gulp, and NPM. Guided by a leading .NET expert and steeped in real-world practicality, this guide is designed to get you up to date

and back to work. With Microsoft speeding up its release cadence while offering more significant improvement with each update, it has never been more important to get a handle on new tools and features quickly. This book is designed to do just that, and more—everything you need to know about C# is right here, in the single-volume resource on every developer's shelf. Tour the many new and enhanced features packed into C# 7 and .NET Core 2.0 Learn how the latest Visual Studio update makes developers' jobs easier Streamline your workflow with a new focus on code simplification and performance enhancement Delve into improvements made for localization, networking, diagnostics, deployments, and more Whether you're entirely new to C# or just transitioning to C# 7, having a solid grasp of the latest features allows you to exploit the language's full functionality to create robust, high-quality apps. Professional C# 7 and .NET Core 2.0 is the one-stop guide to everything you need to know.

Visual Studio 2017 updates for this book are now available. Follow the [Download Source Code](#) link for this book on the Apress website. Now in its 6th edition, the best selling book on MVC is now updated for ASP.NET Core MVC. It contains detailed explanations of the new Core MVC functionality which enables developers to produce leaner, cloud optimized and mobile-ready applications for the .NET platform. This book puts ASP.NET Core MVC into context and dives deep into the tools and techniques required to build modern, cloud optimized extensible web applications. All the new MVC features are described in detail and the author explains

how best to apply them to both new and existing projects. The ASP.NET Core MVC Framework is the latest evolution of Microsoft's ASP.NET web platform, built on a completely new foundation. It represents a fundamental change to how Microsoft constructs and deploys web frameworks and is free of the legacy of earlier technologies such as Web Forms. ASP.NET Core MVC provides a "host agnostic" framework and a high-productivity programming model that promotes cleaner code architecture, test-driven development, and powerful extensibility. Best-selling author Adam Freeman has thoroughly revised this market-leading book and explains how to get the most from ASP.NET Core MVC. He starts with the nuts-and-bolts and shows you everything through to advanced features, going in-depth to give you the knowledge you need. This book follows the same format and style as the popular previous editions but brings everything up to date for the new ASP.NET Core MVC release. It presents a fully worked case study of a functioning ASP.NET MVC application that readers can use as a template for their own projects. What You Will Learn: Gain a solid architectural understanding of ASP.NET Core MVC Explore the entire ASP.NET MVC Framework as a cohesive whole See how MVC and test-driven development work in action Learn what's new in ASP.NET Core MVC and how best to apply these new features to your own work See how to create RESTful web services and Single Page Applications Build on your existing knowledge of previous MVC releases to get up and running with the new programming model quickly and effectively Who This Book Is For: This book is for

web developers with a basic knowledge of ASP.NET and C# who want to incorporate the latest improvements and functionality in the new ASP.NET Core MVC Framework. This book contains quick-paced self-explanatory recipes organized in progressive skill levels and functional areas. Each recipe contains step-by-step instructions about everything necessary to execute a particular task. The book is designed so that you can read it from start to end or just open up any chapter and start following the recipes. In short this book is meant to be the ultimate "how-to" reference for NHibernate 3.0, covering every major feature of NHibernate for all experience levels. This book is written for NHibernate users at all levels of experience. Examples are written in C# and XML. Some basic knowledge of SQL is assumed.

Software developers need to work harder and harder to bring value to their development process in order to build high quality applications and remain competitive.

Developers can accomplish this by improving their productivity, quickly solving problems, and writing better code. A wealth of open source and free software tools are available for developers who want to improve the way they create, build, deploy, and use software. Tools, components, and frameworks exist to help developers at every point in the development process. Windows Developer Power Tools offers an encyclopedic guide to more than 170 of these free tools to help developers build top-notch Windows software from desktop applications to web services. To help you choose the right tools for solving both common and uncommon problems you face each day, this book follows a unique

task-oriented organization, laying out topics in the same order that you and your team are likely to encounter them as you work on a project. Each tool entry features a solid introduction -- a mini user's guide -- so you can get up to speed quickly and understand how to best use the tool in your environment. Inside, you'll find:

- A guide to more than 170 tools covering 24 unique aspects of Windows and .NET software development, with many descriptions contributed by the tools' authors
- Descriptions of freely available ASP.NET and Windows Forms controls, object relational mapping systems, testing frameworks, and build and continuous integration tools
- Articles on tools to help developers troubleshoot misbehaving applications
- Guides for utilities to boost productivity in the development environment as well as speeding up tasks in Windows itself
- "Quick pick" lists at the start of each chapter to help you find and choose the right tool for your task
- "At a Glance" and "In a Nutshell" summaries to help readers more quickly narrow their options
- References to an online book site to keep you up-to-date with new releases and features
- Forewords by Mike Gunderloy (Larkware) and Scott Hanselman ([www.hanselman.com/tools](http://www.hanselman.com/tools)), operators of the two most popular tools sites for Microsoft developers.

Also, plenty of links in each article point you to additional detail online if you wish to delve more deeply into features and functionality. This one-stop resource covers a wide range of open source and freeware tools to help you answer questions around planning, developing, testing, and rolling out great software. Best of all, they're free.

Design patterns are time-tested solutions to recurring

problems, letting the designer build programs on solutions that have already proved effective Provides developers with more than a dozen ASP.NET examples showing standard design patterns and how using them helps build a richer understanding of ASP.NET architecture, as well as better ASP.NET applications Builds a solid understanding of ASP.NET architecture that can be used over and over again in many projects Covers ASP.NET code to implement many standard patterns including Model-View-Controller (MVC), ETL, Master-Master Snapshot, Master-Slave-Snapshot, Façade, Singleton, Factory, Single Access Point, Roles, Limited View, observer, page controller, common communication patterns, and more

After a dozen years of incremental changes, C# has become one of the most versatile programming languages available. With this comprehensive guide, you'll learn just how powerful the combination of C# 5.0 and .NET 4.5 can be. Author Ian Griffiths guides you through C# 5.0 fundamentals and teaches you techniques for building web and desktop applications, including Windows 8-style apps. Completely rewritten for experienced programmers, this book provides many code examples to help you work with the nuts and bolts of C# code, such as generics, dynamic typing, and the new asynchronous programming features. You'll also get up to speed on XAML, ASP.NET, LINQ, and other .NET tools. Discover how C# supports fundamental coding features such as classes, other custom types, collections, and error handling Understand the differences between dynamic and static typing in C#

Query and process diverse data sources such as in-memory object models, databases, and XML documents with LINQ Use .NET's multithreading features to exploit your computer's parallel processing capabilities Learn how the new asynchronous language features can help improve application responsiveness and scalability Use XAML to create Windows 8-style, phone, and classic desktop applications

A comprehensive guide for beginners to learn the key concepts, real-world applications, and latest features of C# 9 and .NET 5 with hands-on exercises using VS Code Key Features Explore the newest additions to C# 9, the .NET 5 class library, Entity Framework Core and Blazor Strengthen your command of ASP.NET Core 5.0 and create professional websites and services Build cross-platform apps for Windows, macOS, Linux, iOS, and Android Book Description In C# 9 and .NET 5 – Modern Cross-Platform Development, Fifth Edition, expert teacher Mark J. Price gives you everything you need to start programming C# applications. This latest edition uses the popular Visual Studio Code editor to work across all major operating systems. It is fully updated and expanded with a new chapter on the Microsoft Blazor framework. The book's first part teaches the fundamentals of C#, including object-oriented programming and new C# 9 features such as top-level programs, target-typed new object instantiation, and immutable types using the record keyword. Part 2 covers the .NET APIs, for performing tasks like managing and querying data, monitoring and improving performance, and working with the file system, async streams,

serialization, and encryption. Part 3 provides examples of cross-platform apps you can build and deploy, such as websites and services using ASP.NET Core or mobile apps using Xamarin.Forms. By the end of the book, you will have acquired the understanding and skills you need to use C# 9 and .NET 5 to create websites, services, and mobile apps. What you will learn

- Build your own types with object-oriented programming
- Query and manipulate data using LINQ
- Build websites and services using ASP.NET Core 5
- Create intelligent apps using machine learning
- Use Entity Framework Core and work with relational databases
- Discover Windows app development using the Universal Windows Platform and XAML
- Build rich web experiences using the Blazor framework
- Build mobile applications for iOS and Android using Xamarin.Forms

Who this book is for This book is best for C# and .NET beginners, or programmers who have worked with C# in the past but feel left behind by the changes in the past few years. This book doesn't expect you to have any C# or .NET experience; however, you should have a general understanding of programming. Students and professionals with a science, technology, engineering, or mathematics (STEM) background can certainly benefit from this book. Get the latest coverage of the newest features in C#9 and .NET 5

In *Professional C# and .NET: 2021 Edition*, Microsoft MVP for Visual Studio and Development Technologies and veteran developer, Christian Nagel, delivers a comprehensive tour of the new features and capabilities of C#9 and .NET 5. Experienced programmers making the transition to C# will benefit

from the author's in-depth explorations to create Web- and Windows applications using ASP.NET Core, Blazor, and WinUI using modern application patterns and new features offered by .NET including Microservices deployed to Docker images, GRPC, localization, asynchronous streaming, and much more. The book also offers: Discussions of the extension of .NET to non-Microsoft platforms like OSX and Linux Explanations of the newest features in C#9, including support for record types, and enhanced support for tuples, pattern matching, and nullable reference types Integrating .NET applications with Microsoft Azure services such as Azure App Configuration, Azure Key Vault, Azure Functions, the Azure Active Directory, and others Downloadable code examples from wrox.com and github.com with online updates for C# 10 and .NET 6 Perfect for programmers with a background in C#, Visual Basic, Java, or C/C++, Professional C# and .NET: 2021 Edition will also earn a place in the libraries of software architects seeking an up-to-date and fulsome treatment of the latest C# and .NET releases.

If you want to speed up the development of your .NET applications, you're ready for C# design patterns -- elegant, accepted and proven ways to tackle common programming problems. This practical guide offers you a clear introduction to the classic object-oriented design patterns, and explains how to use the latest features of C# 3.0 to code them. C# Design Patterns draws on new C# 3.0 language and .NET 3.5 framework features to implement the 23 foundational patterns known to working developers. You get plenty of case studies that reveal

how each pattern is used in practice, and an insightful comparison of patterns and where they would be best used or combined. This well-organized and illustrated book includes: An explanation of design patterns and why they're used, with tables and guidelines to help you choose one pattern over another Illustrated coverage of each classic Creational, Structural, and Behavioral design pattern, including its representation in UML and the roles of its various players C# 3.0 features introduced by example and summarized in sidebars for easy reference Examples of each pattern at work in a real .NET 3.5 program available for download from O'Reilly and the author's companion web site Quizzes and exercises to test your understanding of the material. With C# 3.0 Design Patterns, you learn to make code correct, extensible and efficient to save time up front and eliminate problems later. If your business relies on efficient application development and quality code, you need C# Design Patterns.

Design Patterns in Java™ gives you the hands-on practice and deep insight you need to fully leverage the significant power of design patterns in any Java software project. The perfect complement to the classic Design Patterns, this learn-by-doing workbook applies the latest Java features and best practices to all of the original 23 patterns identified in that groundbreaking text. Drawing on their extensive experience as Java instructors and programmers, Steve Metsker and Bill Wake illuminate each pattern with real Java programs, clear UML diagrams, and compelling exercises. You'll move quickly from theory to application—learning how to improve new

code and refactor existing code for simplicity, manageability, and performance. Coverage includes Using Adapter to provide consistent interfaces to clients Using Facade to simplify the use of reusable toolkits Understanding the role of Bridge in Java database connectivity The Observer pattern, Model-View-Controller, and GUI behavior Java Remote Method Invocation (RMI) and the Proxy pattern Streamlining designs using the Chain of Responsibility pattern Using patterns to go beyond Java's built-in constructor features Implementing Undo capabilities with Memento Using the State pattern to manage state more cleanly and simply Optimizing existing codebases with extension patterns Providing thread-safe iteration with the Iterator pattern Using Visitor to define new operations without changing hierarchy classes If you're a Java programmer wanting to save time while writing better code, this book's techniques, tips, and clear explanations and examples will help you harness the power of patterns to improve every program you write, design, or maintain. All source code is available for download at <http://www.oozinoz.com>.

Advanced Techniques in Computing Sciences and Software Engineering includes a set of rigorously reviewed world-class manuscripts addressing and detailing state-of-the-art research projects in the areas of Computer Science, Software Engineering, Computer Engineering, and Systems Engineering and Sciences. Advanced Techniques in Computing Sciences and Software Engineering includes selected papers from the conference proceedings of the International Conference

on Systems, Computing Sciences and Software Engineering (SCSS 2008) which was part of the International Joint Conferences on Computer, Information and Systems Sciences and Engineering (CISSE 2008).

Follow author Ricardo Peres as he introduces the newest development mode for Entity Framework, Code First. With Entity Framework Code First Succinctly, you will learn the ins and outs of developing code by hand in Code First. With this knowledge, you will be able to have finer control over your output than ever before.

Dependency Injection is an in-depth guide to the current best practices focusing the Dependency Injection pattern—the key concept in Spring and the rapidly-growing Google Guice. It explores Dependency Injection, sometimes called Inversion of Control, in fine detail with numerous practical examples. Developers will learn to apply important techniques, focusing on their strengths and limitations, with a particular emphasis on pitfalls, corner-cases, and best practices. This book is written for developers and architects who want to understand Dependency Injection and successfully leverage popular DI technologies such as Spring, Google Guice, PicoContainer, and many others. The book explores many small examples of anchor concepts and unfolds a larger example to show the big picture. Written primarily from a Java point-of-view, this book is appropriate for any developer with a working knowledge of object-oriented programming in Java, Ruby, or C#. 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.

Master the intricacies of NHibernate, an established and powerful Object/Relational Mapper (ORM) in NHibernate Succinctly. Let author Ricardo Peres guide you toward a fuller understanding of one of the oldest and most flexible ORMs available

The web services architecture provides a new way to think about and implement application-to-application integration and interoperability that makes the development platform irrelevant. Two applications, regardless of operating system, programming language, or any other technical implementation detail, communicate using XML messages over open Internet protocols such as HTTP or SMTP. The Simple Open Access Protocol (SOAP) is a specification that details how to encode that information and has become the messaging protocol of choice for Web services. Programming Web Services with SOAP is a detailed guide to using SOAP and other leading web services standards--WSDL (Web Service Description Language), and UDDI (Universal Description, Discovery, and Integration protocol). You'll learn the concepts of the web services architecture and get practical advice on building and deploying web services in the enterprise. This authoritative book decodes the standards, explaining the concepts and implementation in a clear, concise style. You'll also learn about the major toolkits for building and deploying web services. Examples in Java, Perl, C#, and Visual Basic illustrate the principles. Significant applications developed using Java and Perl on the Apache Tomcat web platform

address real issues such as security, debugging, and interoperability. Covered topic areas include: The Web Services Architecture SOAP envelopes, headers, and encodings WSDL and UDDI Writing web services with Apache SOAP and Java Writing web services with Perl's SOAP::Lite Peer-to-peer (P2P) web services Enterprise issues such as authentication, security, and identity Up-and-coming standards projects for web services Programming Web Services with SOAP provides you with all the information on the standards, protocols, and toolkits you'll need to integrate information services with SOAP. You'll find a solid core of information that will help you develop individual Web services or discover new ways to integrate core business processes across an enterprise.

A software architect's digest of core practices, pragmatically applied Designing effective architecture is your best strategy for managing project complexity—and improving your results. But the principles and practices of software architecting—what the authors call the “science of hard decisions”—have been evolving for cloud, mobile, and other shifts. Now fully revised and updated, this book shares the knowledge and real-world perspectives that enable you to design for success—and deliver more successful solutions. In this fully updated Second Edition, you will: Learn how only a deep understanding of domain can lead to appropriate architecture Examine domain-driven design in both theory and implementation Shift your

approach to code first, model later—including multilayer architecture Capture the benefits of prioritizing software maintainability See how readability, testability, and extensibility lead to code quality Take a user experience (UX) first approach, rather than designing for data Review patterns for organizing business logic Use event sourcing and CQRS together to model complex business domains more effectively Delve inside the persistence layer, including patterns and implementation.

Functional programming languages like F#, Erlang, and Scala are attracting attention as an efficient way to handle the new requirements for programming multi-processor and high-availability applications. Microsoft's new F# is a true functional language and C# uses functional language features for LINQ and other recent advances. Real-World Functional Programming is a unique tutorial that explores the functional programming model through the F# and C# languages. The clearly presented ideas and examples teach readers how functional programming differs from other approaches. It explains how ideas look in F#—a functional language—as well as how they can be successfully used to solve programming problems in C#. Readers build on what they know about .NET and learn where a functional approach makes the most sense and how to apply it effectively in those cases. The reader should have a good working knowledge of C#. No

prior exposure to F# or functional programming is required. 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. This book presents the thoroughly refereed and revised proceedings of the 15th Monterey Workshop, held in Budapest, Hungary, September 24-26, 2008. The theme of the workshop was Foundations of Computer Software, Future Trends and Techniques for Development. The 13 revised full papers presented at the workshop explore, how the foundations and development techniques of computer software could be adapted to address such a challenge. Material presented in the papers spans the whole software life cycle, starting from specification and analysis, design and the choice of architectures, large scale, real-world software development, code generation and configuration, deployment, and evolution.

Securing access to information is important to any business. Security becomes even more critical for implementations structured according to Service-Oriented Architecture (SOA) principles, due to loose coupling of services and applications, and their possible operations across trust boundaries. To enable a business so that its processes and applications are flexible, you must start by expecting changes – both to process and application logic, as well as to the policies associated with them. Merely

securing the perimeter is not sufficient for a flexible on demand business. In this IBM Redbooks publication, security is factored into the SOA life cycle reflecting the fact that security is a business requirement, and not just a technology attribute. We discuss an SOA security model that captures the essence of security services and securing services. These approaches to SOA security are discussed in the context of some scenarios, and observed patterns. We also discuss a reference model to address the requirements, patterns of deployment, and usage, and an approach to an integrated security management for SOA. This book is a valuable resource to senior security officers, architects, and security administrators.

C# is undeniably one of the most versatile programming languages available to engineers today. With this comprehensive guide, you'll learn just how powerful the combination of C# and .NET can be. Author Ian Griffiths guides you through C# 8.0 fundamentals and techniques for building cloud, web, and desktop applications. Designed for experienced programmers, this book provides many code examples to help you work with the nuts and bolts of C#, such as generics, LINQ, and asynchronous programming features. You'll get up to speed on .NET Core and the latest C# 8.0 additions, including asynchronous streams, nullable references, pattern matching, default interface

implementation, ranges and new indexing syntax, and changes in the .NET tool chain. Discover how C# supports fundamental coding features, such as classes, other custom types, collections, and error handling Learn how to write high-performance memory-efficient code with .NET Core's Span and Memory types Query and process diverse data sources, such as in-memory object models, databases, data streams, and XML documents with LINQ Use .NET's multithreading features to exploit your computer's parallel processing capabilities Learn how asynchronous language features can help improve application responsiveness and scalability

This IBM® Redbooks® publication will help you to better understand the effective use of the WebSphere® DataPower® family of appliances. It provides guidance on the best methods identified to date for building the various components that implement solutions, such as handling MQ-based message flows or creating authentication and authorization policies. The information and recommendations in this publication are the result of real world experiences using the appliances. Such experience shows that taking the time to plan a solution implementation before beginning the work yields the greatest savings in time and energy and the highest quality outcome. This publication begins with a checklist of items to consider when planning a

DataPower solution. This publication is intended to provide answers or guidance to implementation problems often encountered by users of the appliance. This book is not intended to present complete solutions or templates because experience shows that every customer uses the appliance in their own unique environment with unique requirements. Thus, this publication provides a compendium of information about particular aspects of a solution. Use the Table of Contents or Index to find your current issue, and return to this publication when the next issue or question arises. Refer to the related IBM Redbooks publication entitled DataPower SOA Appliance Administration, Deployment, and Best Practices, SG24-7901 for more information.

AOP in .NET Practical Aspect-Oriented Programming  
Simon and Schuster

Pass the Pivotal Certified Professional exam for Core Spring, based on the latest Spring Framework 5, using source code examples, study summaries, and mock exams. This book now includes WebFlux, reactive programming, and more found in Spring 5. You'll find a descriptive overview of certification-related Spring modules and a single example application demonstrating the use of all required Spring modules. Furthermore, in Pivotal Certified Professional Core Spring 5 Developer Exam, Second Edition, each chapter contains a brief study

summary and question set, and the book's free downloadable source code package includes one mock exam (50 questions – like a real exam). After using this study guide, you will be ready to take and pass the Pivotal Certified Professional exam. When you become Pivotal Certified, you will have one of the most valuable credentials in Java. Pivotal certification helps you advance your skills and your career, and get the maximum benefit from Spring. Passing the exam demonstrates your understanding of Spring and validates your familiarity with: container-basics, aspect oriented programming (AOP), data access and transactions, Spring Security, Spring Boot, microservices, and Spring model-view-controller (MVC). Good luck! What You Will Learn Understand the core principles of Spring Framework 5 Use dependency injection Work with aspects in Spring and do AOP (aspect oriented programming) Control transactional behavior and work with SQL and NoSQL databases Create and secure web applications based on Spring MVC Get to know the format of the exam and the type of questions in it Create Spring microservices applications Who This Book Is For Spring developers who have taken the Pivotal Core Spring class are eligible to take the Pivotal Certified Professional exam.

Summary Dependency Injection Principles, Practices, and Patterns teaches you to use DI to reduce hard-coded

dependencies between application components. You'll start by learning what DI is and what types of applications will benefit from it. Then, you'll work through concrete scenarios using C# and the .NET framework to implement DI in your own projects. As you dive into the thoroughly-explained examples, you'll develop a foundation you can apply to any of the many DI libraries for .NET and .NET Core. Purchase of the print book includes a free eBook in PDF, Kindle, and ePub formats from Manning Publications.

About the Technology Dependency Injection (DI) is a great way to reduce tight coupling between software components. Instead of hard-coding dependencies, such as specifying a database driver, you make those connections through a third party. Central to application frameworks like ASP.NET Core, DI enables you to better manage changes and other complexity in your software.

About the Book Dependency Injection Principles, Practices, and Patterns is a revised and expanded edition of the bestselling classic Dependency Injection in .NET. It teaches you DI from the ground up, featuring relevant examples, patterns, and anti-patterns for creating loosely coupled, well-structured applications. The well-annotated code and diagrams use C# examples to illustrate principles that work flawlessly with modern object-oriented languages and DI libraries.

What's Inside Refactoring existing code into loosely coupled code DI techniques that work with statically typed OO languages Integration with common .NET frameworks Updated examples illustrating DI in .NET Core

About the Reader For intermediate OO developers.

About the Authors Mark Seemann is a programmer, software architect, and speaker who has been working with software since 1995, including six years with Microsoft. Steven van Deursen is a seasoned .NET developer and architect, and the author and maintainer of the Simple Injector DI library.

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PART 1 Putting Dependency Injection on the map The basics

of Dependency Injection: What, why, and how Writing tightly coupled code Writing loosely coupled code PART 2 Catalog DI patterns DI anti-patterns Code smells PART 3 Pure DI Application composition Object lifetime Interception Aspect-Oriented Programming by design Tool-based Aspect-Oriented Programming PART 4 DI Containers DI Container introduction The Autofac DI Container The Simple Injector DI Container The Microsoft.Extensions.DependencyInjection DI Container

Pro NuGet offers you a solid architectural understanding of how to manage software dependencies using NuGet, an open-source package management tool for the .NET Framework. Providing practical guidance through a multitude of examples and more advanced scenarios, this book shows you how to unleash all the power that NuGet offers. It will help you to streamline your day to day development and even make it more fun to write code. Authors Maarten Balliauw and Xavier Decoster have been working with NuGet since it was first released, contributing many ideas and practical solutions to the community over that time. In this book they demonstrate both the core concepts and the more advanced thinking needed to use NuGet effectively.

Summary AOP in .NET introduces aspect-oriented programming to .NET developers and provides practical guidance on how to get the most benefit from this technique in your everyday coding. The book's many examples concentrate on modularizing non-functional requirements that often sprawl throughout object-oriented projects. Even if you've never tried AOP before, you'll appreciate the straightforward introduction using familiar C#-based examples. AOP tools for .NET have now reached the level of practical maturity Java developers have relied on for many years, and you'll explore the leading options, PostSharp, and Castle DynamicProxy. About the Technology Core concerns

## Read Online Dynamicproxy Castle Project

that cut across all parts of your application, such as logging or authorization, are difficult to maintain independently. In aspect-oriented programming (AOP) you isolate these cross-cutting concerns into their own classes, disentangling them from business logic. Mature AOP tools like PostSharp and Castle DynamicProxy now offer .NET developers the level of support Java coders have relied on for years. About this Book AOP in .NET introduces aspect-oriented programming and provides guidance on how to get the most practical benefit from this technique. The book's many examples concentrate on modularizing non-functional requirements that often sprawl throughout object-oriented projects. You'll appreciate its straightforward introduction using familiar C#-based examples. This book requires no prior experience with AOP. Readers should know C# or another OO language. What's Inside Clear and simple introduction to AOP Maximum benefit with minimal theory PostSharp and Castle DynamicProxy Purchase of the print book includes a free eBook in PDF, Kindle, and ePub formats from Manning Publications. About the Author Matthew D. Groves is a developer with over ten years of professional experience working with C#, ASP.NET, JavaScript, and PHP. Table of Contents PART 1 GETTING STARTED WITH AOP Introducing AOP Acme Car Rental PART 2 THE FUNDAMENTALS OF AOP Call this instead: intercepting methods Before and after: boundary aspects Get this instead: intercepting locations Unit testing aspects PART 3 ADVANCED AOP CONCEPTS AOP implementation types Using AOP as an architectural tool Aspect composition: example and execution Explains how to create management systems with JMX, create MBeans and services, and use the MBean server, and offers working examples of topics including JMX connectors and agent discovery.

This book constitutes the thoroughly refereed post-

conference proceedings of the 4th IFIP TC2 Central and East European Conference on Software Engineering Techniques, CEE-SET 2009, held in Krakow, Poland, in October 2009. The 19 revised full papers presented were carefully reviewed and selected from 63 submissions. The papers are organized in topical sections on software architectures and development; modelling and formal methods in software development; measurements, testing, and quality of software. As a Java developer, you may find yourself in a situation where you have to maintain someone else's code or use a third-party's library for your own application without documentation of the original source code. Rather than spend hours feeling like you want to bang your head against the wall, turn to "Covert Java: Techniques for Decompiling, Patching, and Reverse Engineering." These techniques will show you how to better understand and work with third-party applications. Each chapter focuses on a technique to solve a specific problem, such as obfuscation in code or scalability vulnerabilities, outlining the issue and demonstrating possible solutions. Summaries at the end of each chapter will help you double check that you understood the crucial points of each lesson. You will also be able to download all code examples and sample applications for future reference from the publisher's website. Let "Covert Java" help you crack open mysterious codes!

Service Component Architecture (SCA) defines a service-based model for building business process applications using an SOA approach. This ability to drive a business process using individual, reusable services is the heart of the SOA concept. With IBM® WebSphere® Application Server Feature Pack for Service Component Architecture, you can deploy SCA applications to WebSphere Application Server. This IBM Redpaper™ publication provides a starting point for using the Feature Pack for SCA. It provides an architectural view of

SCA and of the Feature Pack. In addition, this paper explains how to create simple SCA components from existing JavaTM and Spring implementations. It discusses how to apply quality of service to applications, and how to deploy and manage SCA artifacts in WebSphere Application Server. The examples in this paper use Rational® Application Developer to illustrate how to create and package SCA applications. Get definitive guidance on SignalR, a new library for ASP.NET developers that simplifies the process of adding real-time web functionality to your applications. Real-time web functionality enables server-side code to push content to connected clients instantly as it becomes available. With this book, Microsoft .NET developers familiar with HTML and JavaScript will gain the skills to add real-time and async communication features for web, desktop, and mobile phone applications. Topics include: Introduction to async development; HTTP and real-time communications; SignalR technology fundamentals; persistent connections and hubs; multiplatform real-time applications; advanced topics Learn how SignalR uses Websockets when supported by the browser and the server and falls back to other techniques and technologies when it is not Use the simple ASP.NET API in SignalR for creating server-to-client remote procedure calls (RPC) that call JavaScript functions in client browsers from server-side .NET code. Exploit the API for connection management (e.g. connect and disconnect events), grouping connections, and authorization.

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Learn how Microsoft Unity can help improve the speed with which you develop enterprise applications. Author Ricardo Peres will guide you from a conceptual understanding of Microsoft Unity to fully incorporating it into your development process. With Microsoft Unity Succinctly, you'll be on your way to better practices. Patterns kompakt fasst die wichtigsten Entwurfsmuster zusammen, die Sie für Software-Entwicklung benötigen. Software-Entwickler, -Architekten und -Designer finden darin effektiv anwendbare Lösungen für tägliche Entwurfsprobleme. Die vierte Auflage wurde um aktuelle Patterns erweitert und komplett überarbeitet. Das Buch gliedert Patterns anhand typischer Aspekte des Software-Entwurfs: Basismuster für mehr Flexibilität und Wartbarkeit, Präsentation, Kommunikation und Verteilung, Integration und Persistenz. Patterns kompakt richtet sich an Praktiker: Software-Entwickler, -Designer, -Architekten und alle, die einen praxisorientierten Überblick zu Entwurfsmustern benötigen.

At a time when nearly every vertical, regardless of domain, seems to need software running in the cloud to make money, microservices provide the agility and drastically reduced time to market you require. This hands-on guide shows you how to create, test, compile, and deploy microservices, using the ASP.NET Core free and open-source framework. Along the way, you'll pick up good, practical habits for building powerful and robust services. Building microservices isn't about learning a

specific framework or programming language; it's about building applications that thrive in elastically scaling environments that don't have host affinity, and that can start and stop at a moment's notice. This practical book guides you through the process. Learn test-driven and API-first development concepts Communicate with other services by creating and consuming backing services such as databases and queues Build a microservice that depends on an external data source Learn about event sourcing, the event-centric approach to persistence Use ASP.NET Core to build web applications designed to thrive in the cloud Build a service that consumes, or is consumed by, other services Create services and applications that accept external configuration Explore ways to secure ASP.NET Core microservices and applications

Object-oriented programming is the de facto programming paradigm for many programming languages. Object-Oriented Programming in C# Succinctly provides an introduction to OOP for C# developers. Author Sander Rossel provides overviews and numerous samples to guide readers towards OOP mastery.

Mastering Ninject for Dependency Injection teaches you the most powerful concepts of Ninject in a simple and easy-to-understand format using lots of practical examples, diagrams, and illustrations. Mastering Ninject for Dependency Injection is aimed at software developers and architects who wish to create maintainable, extensible, testable, and loosely coupled applications. Since Ninject targets the .NET platform, this

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book is not suitable for software developers of other platforms. Being familiar with design patterns such as singleton or factory would be beneficial, but no knowledge of dependency injection or IoC is assumed.

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