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# Dynamicproxy Castle Project

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Программирование на C# 5.0

70 Incredibly Powerful Recipes for Using the Full Spectrum of Solutions in the NHibernate Ecosystem

ASP.NET Core 1.0 High Performance

Recipes for Scaling Up with Hadoop and Spark

NHibernate 3.0 Cookbook

Build Cloud, Web, and Desktop Applications

Entwurfsmuster für effektive Software-Entwicklung

Building Distributed Applications

Programming C# 5.0

C# 9 and .NET 5 - Modern Cross-Platform Development - Fifth Edition

Data Algorithms

Microsoft Encyclopedia of Security

Build Cloud, Web, and Desktop Applications

Foundations of Computer Software: Future Trends and Techniques for Development

Professional C# and .NET

Pivotal Certified Professional Core Spring 5 Developer Exam

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Windows Developer Power Tools  
Decentralized applications on the Ethereum blockchain  
Building Windows 8, Web, and Desktop Applications for the .NET 4.5 Framework  
with examples in C#  
Mastering Ninject for Dependency Injection  
Programming C# 8.0  
Programming C# 8.0  
SignalR Programming in Microsoft ASP.NET  
15th Monterey Workshop 2008, Budapest, Hungary, September 24-26, 2008, Revised  
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Patterns kompakt  
Professional C# 7 and .NET Core 2.0  
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A Study Guide Using Spring Framework 5  
Pro NuGet  
Programming Microsoft ASP.NET MVC

NHibernate 4.x Cookbook  
Practical Aspect-Oriented Programming  
4th IFIP TC 2 Central and East European Conference on Software Engineering  
Techniques, CEE-SET 2009, Krakow, Poland, October 12-14, 2009. Revised Selected  
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## **CHAVEZ SANCHEZ**

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*Программирование на*  
*C# 5.0 IBM Redbooks*  
Dependency Injection is  
an in-depth guide to the  
current best practices  
focusing the Dependency  
Injection pattern-the key  
concept in Spring and  
therapidly-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.

**70 Incredibly Powerful Recipes for Using the Full Spectrum of Solutions in the**

### **NHibernate Ecosystem**

Packt Publishing Ltd  
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.

**ASP.NET Core 1.0 High Performance** Litres  
AOP in .NET Practical  
Aspect-Oriented  
Programming  
Simon and Schuster  
[Recipes for Scaling Up with Hadoop and Spark](#)

Simon and Schuster  
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

**NHibernate 3.0 Cookbook** "O'Reilly

Media, Inc." 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.  
*Build Cloud, Web, and Desktop Applications* Springer-Verlag  
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).  
Entwurfsmuster für effektive Software-Entwicklung John Wiley & Sons  
Leverage the full potential of Entity Framework with this collection of powerful and easy-to-follow recipes  
About This Book Learn how to use the new features of Entity Framework Core 1  
Improve your queries by leveraging some of the

advanced features Avoid common pitfalls Make the best of your .NET APIs by integrating with Entity Framework Who This Book Is For This book is for .NET developers who work with relational databases on a daily basis and understand the basics of Entity Framework, but now want to use it in a more efficient manner. You are expected to have some prior knowledge of Entity Framework. What You Will Learn Master the technique of using sequence key generators Validate groups of entities

that are to be saved / updated Improve MVC applications that cover applications developed using ASP.NET MVC Core 1 Retrieve database information (table, column names, and so on) for entities Discover optimistic concurrency control and pessimistic concurrency control. Implement Multilatency on the data side of things. Enhance the performance and/or scalability of Entity Framework Core Explore and overcome the pitfalls of Entity Framework Core In Detail Entity Framework

is a highly recommended Object Relation Mapping tool used to build complex systems. In order to survive in this growing market, the knowledge of a framework that helps provide easy access to databases, that is, Entity Framework has become a necessity. This book will provide .NET developers with this knowledge and guide them through working efficiently with data using Entity Framework Core. You will start off by learning how to efficiently use Entity Framework in practical



situations. You will gain a deep understanding of mapping properties and find out how to handle validation in Entity Framework. The book will then explain how to work with transactions and stored procedures along with improving Entity Framework using query libraries. Moving on, you will learn to improve complex query scenarios and implement transaction and concurrency control. You will then be taught to improve and develop Entity Framework in

complex business scenarios. With the concluding chapter on performance and scalability, this book will get you ready to use Entity Framework proficiently. Style and approach Filled with rich code-based examples, this book takes a recipe-based approach that will teach .NET developers to improve their understanding of Entity Framework and help them effortlessly apply this knowledge in everyday situations. Building Distributed

Applications Simon and Schuster 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  
*Programming C# 5.0*  
Packt Publishing Ltd  
Over 90 incredible and powerful recipes to help you efficiently use NHibernate in your application. About This Book: Master the full range of NHibernate features through detailed example recipes that you can quickly apply to your own applications. Reduce hours of application development time and get a better application architecture and improved performance. Create,

maintain, and update your database structure automatically with the help of NHibernate Who This Book Is For This book is written for .NET developers who want to use NHibernate and those who want to deepen their knowledge of the platform. Examples are written in C# and XML. Some basic knowledge of SQL is assumed. If you build .NET applications that use relational databases, this book is for you. What You Will Learn Create a persistent object model to move data in

and out of your database Build the database from your model automatically Configure NHibernate for use with WebForms, MVC, WPF, and WinForms applications Create database queries using a variety of methods Improve the performance of your applications using a variety of techniques Build an infrastructure for fast, easy, test-driven development of your data access layer Implement entity validation, auditing, full-text search, horizontal partitioning (sharding), and spatial queries using

NHibernate Contrib projects In Detail NHibernate is a mature, flexible, scalable, and feature-complete open source project for data access. Although it sounds like an easy task to build and maintain database applications, it can be challenging to get beyond the basics and develop applications that meet your needs perfectly. NHibernate allows you to use plain SQL and stored procedures less and keep focus on your application logic instead. Learning the

best practices for a NHibernate-based application will help you avoid problems and ensure that your project is a success. The book will take you from the absolute basics of NHibernate through to its most advanced features, showing you how to take full advantage of each concept to quickly create amazing database applications. You will learn several techniques for each of the four core NHibernate tasks—configuration, mapping, session and

transaction management, and querying—and which techniques fit best with various types of applications. In short, you will be able to build an application using NHibernate by the end of the book. You will also learn how to best implement enterprise application architecture patterns using NHibernate, leading to clean, easy-to-understand code and increased productivity. In addition to new features, you will learn creative ways to extend the NHibernate

core, as well as gaining techniques to work with the NHibernate search, shards, spatial, envers, and validation projects. **Style and approach** This book contains recipes with examples organized in functional areas, each containing step-by-step instructions on everything necessary to execute a particular task. The book is designed so you can read it from start to end or just open up any chapter and start following the recipes. *C# 9 and .NET 5 - Modern Cross-Platform*

*Development - Fifth Edition Apress*

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.  
Data Algorithms  
 Createspace Independent  
 Publishing Platform  
 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 *Microsoft Encyclopedia of Security* Simon and Schuster Build, Manage, and Extend your own Content Management System [Build Cloud, Web, and Desktop Applications](#) Packt Publishing Ltd Create fast, scalable, and high performance applications with C#, ASP.NET Core 1.0, and MVC 6 About This Book Learn the importance of

measuring, profiling, and locating the most impactful problems Discover the common areas you might encounter performance problems and areas you don't need to worry about Understand the differences between development workstations and production infrastructure and how these can amplify problems Design workflows that run asynchronously and are resilient to transient performance issues Who This Book Is For This book

is for ASP.NET and C# developers who have experience with the MVC framework for web application development and are looking to deploy applications that will perform well in live production environments. These could be virtual machines or hosted by a cloud service provider such as AWS or Azure.

**What You Will Learn** Why performance matters and when it should be considered Use different tools to measure performance Spot common performance

issues, their root causes, and how to easily mitigate them Improve performance at the network level and I/O level, and how to optimize the application as a whole Work with caching and message queuing tools, including patterns and strategies Discover the dark side of performance improvement and find out how to manage complexity Monitor performance as part of continuous integration and regression testing Assess and solve performance issues with

other advanced technologies In Detail ASP.NET Core is the new, open source, and cross-platform, web-application framework from Microsoft. It's a stripped down version of ASP.NET that's lightweight and fast. This book will show you how to make your web apps deliver high performance when using it. We'll address many performance improvement techniques from both a general web standpoint and from a C#, ASP.NET Core, and .NET Core perspective. This



includes delving into the latest frameworks and demonstrating software design patterns that improve performance. We will highlight common performance pitfalls, which can often occur unnoticed on developer workstations, along with strategies to detect and resolve these issues early. By understanding and addressing challenges upfront, you can avoid nasty surprises when it comes to deployment time. We will introduce performance improvements along with

the trade-offs that they entail. We will strike a balance between premature optimization and inefficient code by taking a scientific- and evidence-based approach. We'll remain pragmatic by focusing on the big problems. By reading this book, you'll learn what problems can occur when web applications are deployed at scale and know how to avoid or mitigate these issues. You'll gain experience of how to write high-performance applications without having to learn

about issues the hard way. You'll see what's new in ASP.NET Core, why it's been rebuilt from the ground up, and what this means for performance. You will understand how you can now develop on and deploy to Windows, Mac OS X, and Linux using cross-platform tools, such as Visual Studio Code. Style and approach Starting with a drill down into the nuts and bolts of various performance parameters, you will get an understanding of the ASP.NET MVC 6 framework with the help

of rich code-based examples that will equip you to build highly scalable and optimized applications.

Foundations of Computer Software: Future Trends and Techniques for Development Packt Publishing Ltd

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.

Professional C# and .NET  
Springer Science &  
Business Media

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.

*Pivotal Certified Professional Core Spring 5 Developer Exam* Simon and Schuster

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. *Programming Web Services with SOAP* John Wiley & Sons Contains more than one thousand entries covering

computer security technology, standards, products, and issues. **Windows Developer Power Tools** Apress 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. Packt Publishing Ltd

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 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 **Decentralized applications on the Ethereum blockchain** Packt Pub Limited 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.

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