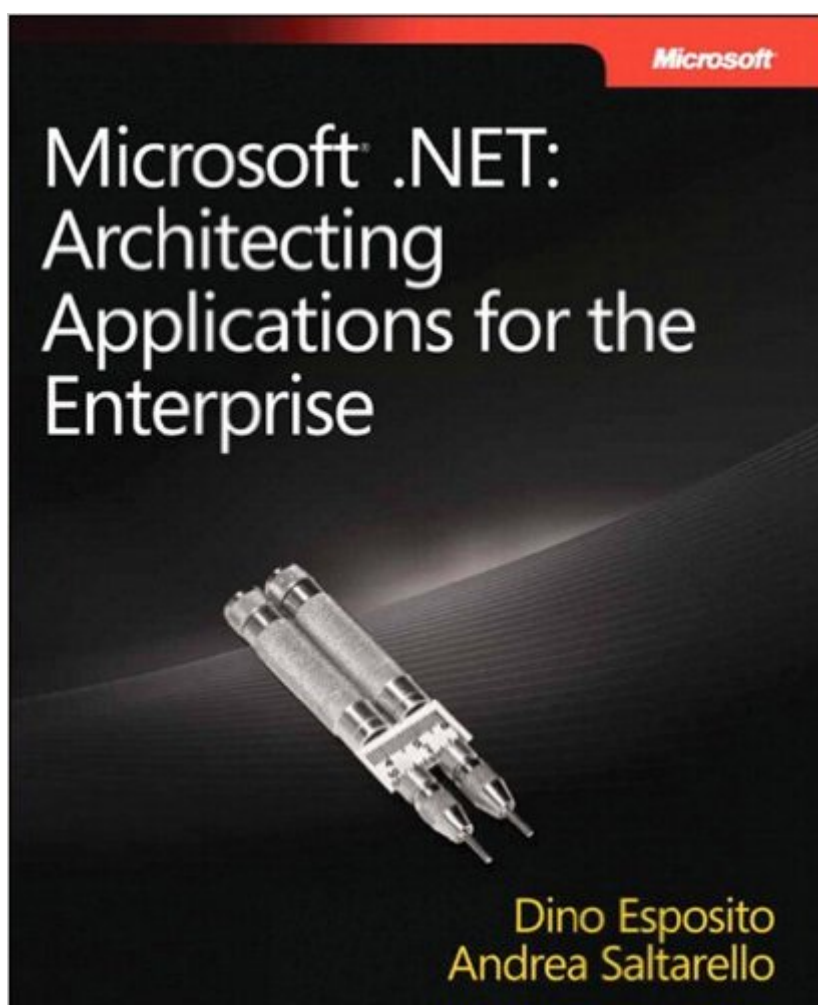# Microsoft .NET – Architecting Applications For The Enterprise: Architecting Applications For The Enterprise (Developer Reference)

Microsoft .NET:
Architecting
Applications for the
Enterprise

Dino Esposito
Andrea Saltarello

Synopsis

Make the right architectural decisions up frontâ"and improve the quality and reliability of your results. Led by two enterprise programming experts, youâ ™ll learn how to apply the patterns and techniques that help control project complexityâ "and make systems easier to build, support, and upgradeâ "right from the start.   Get pragmatic architectural guidance on how to: Build testability, maintainability, and security into your system early in the design Expose business logic through a service-oriented interface Choose the best pattern for organizing business logic and behavior Review and apply the patterns for separating the UI and presentation logic Delve deep into the patterns and practices for the data access layer Tackle the impedance mismatch between objects and data Minimize development effort and avoid over-engineeringâ "and deliver more robust results Get code samples on the Web.

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Customer Reviews

This book seemed really promising from the title and mainly its author (Dino Esposito), who is one of the best .NET writers out there. It took me a while to buy it though, because for weeks I tried in vain

to find its table of contents, to know exactly what I was buying. Having failed at finding one, I decided to just take a chance and buy it anyway, and I don't regret, it is a good book.I would say the target audience is intermediate to senior developers who are getting into software architecture, or architects who work on a database-centric way and want to get an update to the current buzzwords, such as domain model pattern, repositories, services, AOP, POCO, OR/M, DDD etc. This book does not try to be a definitive source on any of those topics, but more like an introduction and a reference; the authors make a good job at pointing for resources for those who want to get more dense information.Books like Martin Fowler's "Patterns of Enterprise Application Architecture", the GoF classic Design Patterns book and Eric Evan's "Domain-Driven Design" are mentioned dozens of times, so people who have already read those books may not have lots of new stuff to see here, unless they are looking for a lighter reference or want to see how some of those ideas can be applied on .NET.

It is a misconception that architecture is a fully understood field. Like the rest of us in the relatively young discipline of software development, architects are making their way along with rules of thumb, buzzwords and trends, too, and doing their best to tie them all together.Microsoft has always been a bit lacking when it comes to providing guidance for developing complex software. The alt.net crowd promised to fill in this lacuna, and even promoted itself in terms of filling in the blanks that Microsoft leaves in its technology offerings. However the results have been, I think, that the contemporary architect simply has more pieces to try to put together, and even more things to try to figure out.Dino Esposito, in "Architecting Applications for the Enterprise", tries to make sense of this technical jigsaw puzzle by building on top of the core architectural concepts of layering and decoupling applications. He then takes these principles forward by seeing how the newest technologies and techniques -- WPF, WCF, Windsor, NHibernate, Entity Framework, MVP, MVC, etc. -- can fit together to form a mature enterprise application.In many ways he cuts through much of the hype and provides insights into why you might want to use these technologies. He is comprehensive in treating each of the various Microsoft and non-Microsoft tools soberly, explaining the pros and cons of each.Best of all, he tries to consolidate in his appendix all of his insights into a core set of architectural principles, one of which he reiterates throughout the book: the job of the architect is to reduce complexity, not increase it. It sounds simple, but many architects tend to forget this.Mr.

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(Developer Reference) ASP.NET: Programming success in a day: Beginners guide to fast, easy and efficient learning of ASP.NET programming (ASP.NET, ASP.NET Programming, ASP.NET ... ADA, Web Programming, Programming) Microsoft Surface Pro 4 & Microsoft Surface Book: The Beginner's Guide to Microsoft Edge, Cortana & Mail App on Microsoft Surface Pro 4 & Microsoft Surface Book COM Programming with Microsoft .NET (Developer Reference) Programming Microsoft LINQ in .NET Framework 4 (Developer Reference) Pro ASP.NET Web API Security: Securing ASP.NET Web API (Expert's Voice in .NET) Microsoft® Visual C++® .NET Deluxe Learning Edition--Version 2003 (Developer Reference) Microsoft SharePoint 2013 Designing and Architecting Solutions Microsoft SQL Server 2012 High-Performance T-SQL Using Window Functions (Developer Reference) Microsoft Visual C# Step by Step (8th Edition) (Developer Reference) Inside the Microsoft Build Engine: Using MSBuild and Team Foundation Build (Developer Reference) Microsoft Visual C# Step by Step (Developer Reference) Microsoft SQL Server 2012 Internals (Developer Reference) Microsoft Visual C++ .NET Language Reference (Pro-Documentation) The iOS 5 Developer's Cookbook: Core Concepts and Essential Recipes for iOS Programmers (Developer's Library) The Swift Developer's Cookbook (includes Content Update Program) (Developer's Library) Regular Expression Pocket Reference: Regular Expressions for Perl, Ruby, PHP, Python, C, Java and .NET (Pocket Reference (O'Reilly)) QuickTime for .NET and COM Developers (QuickTime Developer Series) Introducing Microsoft® ASP.NET AJAX (Pro - Developer)