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Your hands-on guide to Azure  
SQL Database fundamentals  
Expand your expertise—and  
teach yourself the fundamentals

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of Windows Azure SQL Database. If you have previous programming experience but are new to Azure, this tutorial delivers the step-by-step guidance and coding exercises you need to master core topics and techniques. Discover how to:

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Perform Azure setup and configuration Explore design and security considerations Use programming and reporting services Migrate data Backup and sync data Work with scalability and high performance Understand the differences

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between SQL Server and Windows Azure SQL Database Annotation Code first is an additional means of building a model to be used with the Entity Framework and is creating a lot of excitement in the .NET development community. The

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reader will begin with an overview of what code first is, why it was created, how it fits into the Entity Framework and when to use it over the alternatives.

Practical, real-world tools for migrating ASP.NET MVC to

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Windows Azure When IIS6 and Windows Server 2003 are no longer supported, you'll need to migrate websites currently hosted on these technologies to newer technologies. This book comes to the rescue. It's packed with all the steps you need - all

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intertwined with real-world examples - to perform the migration of IIS6 and Windows Server 2003 websites to Windows Azure. Discusses different aspects of performance and scalability such as pipeline optimization, process model

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configuration, caching,  
minification, and bundling Shares  
an overview of the Windows  
Azure Cloud Service and the  
benefits it has over legacy  
configurations Looks at Windows  
Azure deployment features,  
provides steps for getting access



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to Windows Azure, and explains how to create the components necessary to host and successfully run a test website. Windows Azure and ASP.NET MVC Migration is a must-have resource for making the transition to Windows Azure as

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smooth and successful as possible.

Now in its 8th edition, Pro ASP.NET Core has been thoroughly updated for ASP.NET Core 3 and online for ASP.NET Core 5 and .NET 5.0. This comprehensive, full-color guide is

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the only book you need to learn ASP.NET Core development. Professional developers get ready to produce leaner applications for the ASP.NET Core platform. This edition puts ASP.NET Core 3 into context, and takes a deep dive into the tools and techniques

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required to build modern, extensible web applications. New features and capabilities such as MVC 3, Razor Pages, Blazor Server, and Blazor WebAssembly are covered, along with demonstrations of how they can be applied in practice. Following

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the same popular format and style found in previous editions, author Adam Freeman explains how to get the most out of ASP.NET Core 3. Starting with the nuts-and-bolts topics, he teaches readers about middleware components, built-in

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services, request model binding, and more. Moving along, he introduces increasingly more complex topics and advanced features, including endpoint routing and dependency injection. Written for professionals wanting to

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incorporate the latest functionality of ASP.NET Core 3 into their projects, this book also serves as a complete reference on ASP.NET Core. Beginners with some background in Microsoft web development will also greatly benefit from the in-

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depth coverage provided throughout. What You Will Learn: Build a solid foundation and skill set for working with the entire ASP.NET Core platformApply ASP.NET Core 3 and ASP.NET Core 5 features in your developer environment; plentiful reusable



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templates See how to create RESTful web services, web applications, and client-side applications Leverage existing knowledge to efficiently get up and running with new programming models Adam Freeman is an experienced IT

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professional who has held senior positions in a range of companies, most recently serving as chief technology officer and chief operating officer of a global bank. Now retired, he spends his time writing and long-distance running. “The Rolls-Royce of

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ASP.NET books, (or if you're American, the Cadillac). Very thorough!" Les Jackson, MCSD, DotNet Playbook "The author's instruction is direct, easy to understand and supplemented with clear code examples... Whether you are a beginner

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learning ASP.NET Core 3.1 app development, or an experienced professional ready to master advanced concepts, I consider this book a 'must have' for you!"  
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web apps using ASP.NET. “  
Charles Carter, MSCS, MSwE,  
JD, Cloud Application  
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Microsoft Software and Systems  
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The “Microsoft Azure Essentials”  
series helps you advance your

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technical skills with Microsoft Azure. “Microsoft Azure Essentials: Azure Web Apps for Developers” focuses on providing essential information about developing web applications hosted on Azure Web Apps. It is written with the developer who

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has experience using Visual Studio and the .NET Framework in mind. If Azure Web Apps is new to you, this book is for you. If you have experience developing for Azure Web Apps, this book is for you, too, because there are features and tools

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discussed in this text that are new to the platform.

Pro ASP.NET Web API

Building an application in four sprints

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ASP.NET Web API



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Software Structure and

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A comprehensive guide to the

Entity Framework with

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applications Learn about the Entity Client data provider and write statements in Entity SQL to perform CRUD operations Explore ADO.NET Data Services and how they work with the Entity

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Framework Who This Book Is  
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utilizing it in applications  
efficiently for data binding or  
other operations, then this

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book is for you. Basic knowledge of ADO.NET is assumed. What You Will Learn Explore the features of the ADO.NET Entity Framework Understand the concepts of entities and their

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relationships Create an Entity  
Data Model using the  
ADO.NET Entity Data Model  
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Types to create your own  
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Services (formerly ADO.NET Data Services) Apply Code First, Model First and Database First approaches In Detail The ADO.NET Entity Framework from Microsoft is a new ADO.NET development



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framework that provides a level of abstraction for data access strategies and solves the impedance mismatch issues that exist between different data models. This book explores Microsoft's

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Entity Framework and explains how it can used to build enterprise level applications. It will also teach you how you can work with RESTful Services and Google's Protocol Buffers

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with Entity Framework and WCF. You will explore how to use Entity Framework with ASP.NET Web API and also how to consume the data exposed by Entity Framework from client

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applications of varying types, i.e., ASP.NET MVC, WPF and Silverlight. You will familiarize yourself with the new features and improvements introduced in Entity Framework including

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enhanced POJO support,  
template-based code  
generation, tooling  
consolidation and connection  
resiliency. By the end of the  
book, you will be able to  
successfully extend the new

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functionalities of Entity framework into your project.  
Style and approach This book is a step-by-step tutorial providing hands-on code examples with detailed explanations. The book aims

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to explain the concepts of the Entity Framework and illustrate how you can use these in applications with a tutorial based approach. Use ASP.NET Core 2 to create durable and cross-

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platform web APIs through a series of applied, practical scenarios. Examples in this book help you build APIs that are fast and scalable. You ' ll progress from the basics of the framework through to



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solving the complex problems encountered in implementing secure RESTful services. The book is packed full of examples showing how Microsoft 's ground-up rewrite of ASP.NET Core 2

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enables native cross-platform applications that are fast and modular, allowing your cloud-ready server applications to scale as your business grows. Major topics covered in the book include the

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fundamentals and core concepts of ASP.NET Core 2. You'll learn about building RESTful APIs with the MVC pattern using proven best practices and following the six principles of REST.

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Examples in the book help in learning to develop world-class web APIs and applications that can run on any platform, including Windows, Linux, and MacOS. You can even deploy to

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Microsoft Azure and automate your delivery by implementing Continuous Integration and Continuous Deployment pipelines. What You Will Learn Incorporate automated API tooling such

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and authorization using  
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safe storage of sensitive data  
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Is For Developers who build server applications such as web sites and web APIs that need to run fast and cross platform; programmers who want to implement practical solutions for real-world



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on a range of operating systems and devices, from desktops to tablets to smart phones—even the ones we don ' t know today. ASP.NET Web API is a new framework designed to simplify web

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service architecture. So if you're tired of interoperability issues between inflexible web services and clients tied to specific platforms or programming languages, or if

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you've ever struggled with WCF, this book is for you. To start with, you'll get up to speed on Web API's modern HTTP programming model, REST and your hosting options. You'll then dive into

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building a real application over a series of three chapters, so you can get an immediate feel for how this technology works in practice. The second half of the book features dedicated chapters

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on topics like routing, controllers, validation and tracing, and the authors close with discussions on performance, hosting and an all-important look at unit testing to help you prepare

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your application for the real world. ASP.NET Web API makes HTTP a first-class citizen of .NET. With Pro ASP.NET Web API, you can build HTTP-based web services for your company or

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ASP.NET MVC 4 is your  
perfect book. ASP.NET MVC  
4 and the Web API:  
Building a REST Service  
from Start to Finish helps  
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***response formatting that lie at the heart of Web API. You'll investigate various scenarios and see how they can be manipulated to achieve the results you need. Later in the book***



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***more sophisticated themes will be introduced that will set your applications apart from the crowd. You'll learn how you can validate the request messages on arrival, how you can create***

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realistic setting. A good  
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and the .NET framework***

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***and a familiarity with Visual Studio are the only prerequisites to benefit from this book***

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**business logic based on  
already existing table-  
based business logic. One  
of the many benefits you  
will discover is that  
Roslyn uses an innovative  
approach to compiler**

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**design, opening up the inner workings of the compiler process. You will learn how to see the syntax tree that Roslyn is building as it compiles your code. Additionally,**

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**you will learn to feed it  
your own syntax tree that  
you create on the fly.**

**What You'll Learn**

**Structure logic to be  
stored in database design**

**Build complex conditional**

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**logic based on lookup  
data in the database  
Compile code that you  
generate  
programmatically  
Discover generated code  
and run it dynamically to**

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**implement new business  
logic Debug problems in  
generated code Deploy  
and access generated  
code Who This Book Is  
For Back end developers  
in very dynamic fast-**

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**paced business  
environments.**

**Developers focused on  
integrating different  
systems across an  
enterprise should also  
find this information**

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**useful.**

**This book is a step-by-step, practical tutorial with a simple approach to help you build RESTful web applications and services on the .NET**

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**framework quickly and efficiently. This book is for ASP.NET web developers who want to explore REST-based services with C# 5. This book contains many real-**

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**world code examples with  
explanations whenever  
necessary. Some  
experience with C# and  
ASP.NET 4 is expected.  
Pro ASP.NET Core MVC 2  
Designing Distributed**

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**Systems**  
**Murach's ASP.NET Core**  
**MVC**  
**Programming Entity**  
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