

# Access Free Asp Net Core 2 And Angular 5 Fullstack Web Development With Net Core And Angular

## Asp Net Core 2 And Angular 5 Fullstack Web Development With Net Core And Angular

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~~How to Easily Create a PDF Document in ASP.NET Core Web API~~

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ASP.NET Core Runtime 2.2.0-preview1. The ASP.NET Core Runtime enables you to run existing web/server applications. On Windows, we recommended installing the Hosting Bundle, which includes the .NET Core Runtime and IIS support. Full version 2.2.0-preview1-35029 IIS runtime support (ASP.NET Core Module v2) 12.2.18248.0 8.2.1991.0

~~Download .NET Core 2.2 (Linux, macOS, and Windows)~~

In this short post, I will show how to use TLS 1.2 in ASP.NET Core 2.0 and above version. Why TLS 1.2 ? Client-Server applications use the TLS protocol to communicate across a network in a way designed to prevent eavesdropping and tampering.

~~How to use TLS 1.2 in ASP.NET Core 2.0 and above to secure ...~~

In earlier versions of ASP.NET Core, IIS serves as a reverse proxy. In 2.2, the ASP.NET Core Module can boot the CoreCLR and host an app inside the IIS worker process (w3wp.exe). In-process hosting provides performance and diagnostic gains when running with IIS. For more information, see in-process hosting for IIS. SignalR Java client. ASP.NET Core 2.2 introduces a Java Client for SignalR.

~~What's new in ASP.NET Core 2.2 | Microsoft Docs~~

- In .NET Core 2.x we use `services.AddMvc()` in `ConfigureServices` method of `Startup.cs`, but in ASP.NET Core 3.x, it ' s separated to smaller chunks. Example you need use only Web API we don ' t

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need to...

~~Migrate ASP.NET Core 2.2 system to ASP.NET Core 3.1 | by ...~~

.NET Core 2.0: What 's new and why it matters. Now with the latest release of Microsoft .NET core 2.0 is faster than its predecessor and its power packed with .NET Core Cross-Platform Framework Features. ASP.Net Core is an open source and cross-platform framework that is used to build web apps and mobile apps.

~~Difference Between .NET Core 1.0 | Core 2.0 | Core 3.0 ...~~

ASP.NET Core is a free and open-source web framework and successor to ASP.NET, developed by Microsoft. It is a modular framework that runs on both the full .NET Framework, on Windows, and the cross-platform.NET Core.However ASP.NET Core version 3 works only on .NET Core dropping support of .NET Framework.

~~ASP.NET Core - Wikipedia~~

Tutorial: Get started with ASP.NET Core. 01/07/2020; 2 minutes to read +8; In this article. This tutorial shows how to create and run an ASP.NET Core web app using the .NET Core CLI.

~~Get started with ASP.NET Core | Microsoft Docs~~

ASP.NET Core 2 allows making asynchronous Web API by using the async-await keyword. The Action methods in Controller should use the async keyword in the method signature, the method should return Task containing IActionResult. The Web API method should call further methods using the await keyword.

~~Building fully Asynchronous ASP.NET Core Web API~~

ASP.NET Core. ASP.NET 4.x. Build for Windows, macOS, or Linux. Build for Windows. Razor Pages is the recommended approach to create a Web UI as of ASP.NET Core 2.x. See also MVC, Web API, and SignalR. Use Web Forms, SignalR, MVC, Web API, WebHooks, or Web Pages. Multiple versions per machine.

~~Choose between ASP.NET 4.x and ASP.NET Core | Microsoft Docs~~

ASP.NET Core Runtime 2.1.4 The ASP.NET Core Runtime enables you to run existing web/server applications. On Windows, we recommended installing the Hosting Bundle, which includes the .NET Core Runtime and IIS support.

~~Download .NET Core 2.1 (Linux, macOS, and Windows)~~

The ASP.NET Core 2.1 project template first introduced support for HTTPS middleware methods like UseHttpsRedirection and UseHsts. Enabling HTTPS redirection required the addition of configuration, since apps in development don't use the default port of 443. HTTP Strict Transport Security (HSTS) is active only if the request is already using HTTPS. Localhost is skipped by default.

~~Breaking changes, version 2.2 to 3.1 - .NET Core ...~~

ASP.NET Core apps targeting .NET Framework aren't cross-platform—they run on Windows only. Generally, ASP.NET Core 2.x is made up of .NET Standard libraries. Libraries written with .NET Standard 2.0 run on any .NET platform that implements .NET Standard 2.0. ASP.NET Core 2.x is supported on .NET Framework versions that implement .NET Standard 2.0:

~~Introduction to ASP.NET Core | Microsoft Docs~~

ASP.NET Core is one of the key components of .NET Core to build Web applications, using ASP.NET. Jeff Fritz from Microsoft writes in his article, Should I Use ASP.NET Core or MVC 5 : "Both

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frameworks will still be supported in at least 4 years.

## ~~ASP.NET Or ASP.NET Core, What To Choose?~~

ASP.NET Core 2.1 has made it really easy to get started with SSL from Day 1. Depending on your development tool and your operating system, the steps may vary. On Windows or MacOS, you can simply type the following CLI command: > dotnet dev-certs https --trust

## ~~Protocols in ASP .NET Core: HTTPS and HTTP/2 | Wake Up And...~~

Fully updated to ASP.NET 3.1, ASP.NET Core in Action, Second Edition is a hands-on primer to building cross-platform web applications with your C# and .NET skills. Even if you 've never worked with ASP.NET you 'll start creating productive cross-platform web apps fast. And don 't worry about late-breaking changes to ASP.NET Core.

## ~~Manning | ASP.NET Core in Action, Second Edition~~

ASP.NET Core 2.0 is an open source framework from Microsoft, which makes it easy to build cross-platform web applications that are modern and dynamic. This book will take you through all of the essential concepts in ASP.NET Core 2.0, so you can learn how to build powerful web applications.

## ~~Learning ASP.NET Core 2.0: Build modern web apps with ASP...~~

Become fluent in both frontend and backend web development by combining the impressive capabilities of ASP.NET Core 2 and Angular 5 from project setup right through the deployment phase. Full-stack web development means being able to work on both the frontend and backend portions of an application.

## ~~ASP.NET Core 2 and Angular 5—Packt~~

The second half is a deep dive into the ASP.NET Core MVC 2 framework. Freeman's prose is friendly, to the point, and extremely well edited. The text and examples start from first principles and leave no "magic" unexplained. After reading a chapter you will have a comprehensive understanding of the topic, and be ready to dig into the related ...

Use ASP.NET Core 2 to create durable and cross-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 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 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 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. 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 Microsoft Azure and automate your delivery by implementing Continuous Integration and Continuous Deployment pipelines. What You Will Learn Incorporate automated API tooling such as Swagger from the OpenAPI specification Standardize query and response formats using Facebook 's GraphQL query language Implement security by applying authentication and authorization using ASP.NET Identity Ensure the safe storage of sensitive data using the data protection stack Create unit and integration tests to guarantee code quality Who This Book 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 problems; those who want in-depth knowledge of

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the latest bits of ASP.NET Core 2.0

Learn how web applications can be built efficiently using ASP.NET Core 2.0 and related frameworks  
About This Book Get to grips with the new features and APIs introduced in ASP.NET Core 2.0  
Leverage the MVC framework and Entity Framework Core 2 to build efficient applications Learn to  
deploy your web applications in new environments such as the cloud and Docker Who This Book Is For  
This book is for developers who would like to build modern web applications with ASP.NET Core 2.0.  
No prior knowledge of ASP.NET or .NET Core is required. However, basic programming knowledge is  
assumed. Additionally, previous Visual Studio experience will be helpful but is not required, since  
detailed instructions will guide through the samples of the book. This book can also help people, who  
work in infrastructure engineering and operations, to monitor and diagnose problems during the  
runtime of ASP.NET Core 2.0 web applications. What You Will Learn Set up your development  
environment using Visual Studio 2017 and Visual Studio Code Create a fully automated continuous  
delivery pipeline using Visual Studio Team Services Get to know the basic and advanced concepts of  
ASP.NET Core 2.0 with detailed examples Build an MVC web application and use Entity Framework  
Core 2 to access data Add Web APIs to your web applications using RPC, REST, and HATEOAS  
Authenticate and authorize users with built-in ASP.NET Core 2.0 features Use Azure, Amazon Web  
Services, and Docker to deploy and monitor your applications In Detail The ability to develop web  
applications that are highly efficient but also easy to maintain has become imperative to many  
businesses. ASP.NET Core 2.0 is an open source framework from Microsoft, which makes it easy to  
build cross-platform web applications that are modern and dynamic. This book will take you through all  
of the essential concepts in ASP.NET Core 2.0, so you can learn how to build powerful web applications.  
The book starts with a brief introduction to the ASP.NET Core framework and the improvements made  
in the latest release, ASP.NET Core 2.0. You will then build, test, and debug your first web application  
very quickly. Once you understand the basic structure of ASP.NET Core 2.0 web applications, you'll  
dive deeper into more complex concepts and scenarios. Moving on, we'll explain how to take advantage  
of widely used frameworks such as Model View Controller and Entity Framework Core 2 and you'll  
learn how to secure your applications. Finally, we'll show you how to deploy and monitor your  
applications using Azure, AWS, and Docker. After reading the book, you'll be able to develop efficient  
and robust web applications in ASP.NET Core 2.0 that have high levels of customer satisfaction and  
adoption. Style and approach Start an exciting journey to building high performance web applications  
using ASP.NET Core 2.0 and MVC

Now in its 7th edition, the best selling book on MVC is updated for ASP.NET Core MVC 2. It contains  
detailed explanations of the 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. The book includes a fully worked case study of a functioning web  
application that readers can use as a template for their own projects. What's New in This Edition Fully  
updated for Visual Studio 2017, C# 7 and .NET Core 2 Coverage of new features such as view filters  
Wider platform and tooling coverage than ever before, with more on Visual Studio Code and working

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with .NET Core on non-Windows platforms Docker-based application deployment 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 2 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 ASP.NET Core MVC 2 Framework.

ASP.NET Core in Action, Second Edition is a comprehensive guide to creating web applications with ASP.NET Core 5.0. Go from basic HTTP concepts to advanced framework customization. Summary Fully updated to ASP.NET 5.0, ASP.NET Core in Action, Second Edition is a hands-on primer to building cross-platform web applications with your C# and .NET skills. Even if you've never worked with ASP.NET you'll start creating productive cross-platform web apps fast. And don't worry about late-breaking changes to ASP.NET Core. Purchase of the print book includes a free eBook in PDF, Kindle, and ePub formats from Manning Publications. About the technology Build full-stack web applications that run anywhere. Developers love ASP.NET Core for its libraries and pre-built components that maximize productivity. Version 5.0 offers new features for server-side apps, as well as background services for cross-platform development. About the book ASP.NET Core in Action, Second Edition is a comprehensive guide to creating web applications with ASP.NET Core 5.0. Go from basic HTTP concepts to advanced framework customization. Illustrations and annotated code make learning visual and easy. Master logins, dependency injection, security, and more. This updated edition covers the latest features, including Razor Pages and the new hosting paradigm. What's inside Developing apps for Windows and non-Windows servers Configuring applications Building custom components Logging, testing, and security About the reader For intermediate C# developers. About the author Andrew Lock is a Microsoft MVP who has worked with ASP.NET Core since before its first release. Table of Contents PART 1 - GETTING STARTED WITH ASP.NET CORE 1 Getting started with ASP.NET Core 2 Your first application 3 Handling requests with the middleware pipeline 4 Creating a website with Razor Pages 5 Mapping URLs to Razor Pages using routing 6 The binding model: Retrieving and validating user input 7 Rendering HTML using Razor views 8 Building forms with Tag Helpers 9 Creating a Web API for mobile and client applications using MVC PART 2 - BUILDING COMPLETE APPLICATIONS 10 Service configuration with dependency injection 11 Configuring an ASP.NET Core application 12 Saving data with Entity Framework Core 13 The MVC and Razor Pages filter pipeline 14 Authentication: Adding users to your application with Identity 15 Authorization: Securing your application 16 Publishing and deploying your application PART 3 - EXTENDING YOUR APPLICATIONS 17 Monitoring and troubleshooting errors with logging 18 Improving your application's security 19 Building custom components 20 Building custom MVC and Razor Pages components 21 Calling remote APIs with IHttpConnectionFactory 22 Building background tasks and services 23 Testing your application

ASP.NET Core in Action, Second Edition opens up the world of cross-platform web development with ASP.NET Core. You'll start with a crash course in .NET Core, then you'll begin to build amazing web applications step by step, systematically adding essential features. Along the way, you'll mix in important process steps like testing, multiplatform deployment, and security. Fully updated to ASP.NET 3.1, ASP.NET Core in Action, Second Edition is a hands-on primer to building cross-platform web applications with your C# and .NET skills. Even if you've never worked with ASP.NET you'll start creating productive cross-platform web apps fast! ASP.NET Core in Action, Second Edition opens up the world of cross-platform web development with ASP.NET Core. You'll start with a crash course in .NET Core, then you'll begin to build amazing web applications step by step, systematically adding

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essential features. Along the way, you ' ll mix in important process steps like testing, multiplatform deployment, and security. Purchase of the print book includes a free eBook in PDF, Kindle, and ePub formats from Manning Publications.

Leverage ASP.NET core 2.0 web API and the power of Vue.js at the client side to create modern applications from scratch

### Key Features

- Create fast, rich and reactive client side applications with Vue.js and ASP.NET Core.
- Leverage Vue components efficiently to build state of the art user interfaces.
- Work with Vuex and Nuxt.js to build ASP.NET Core based applications that are powerful, consistent, and maintainable

### Book Description

This book will walk you through the process of developing an e-commerce application from start to finish, utilizing an ASP.NET Core web API and Vue.js Single-Page Application (SPA) frontend. We will build the application using a featureslice approach, whereby in each chapter we will add the required frontend and backend changes to complete an entire feature. In the early chapters, we ' ll keep things fairly simple to get you started, but by the end of the book, you ' ll be utilizing some advanced concepts, such as server-side rendering and continuous integration and deployment. You will learn how to set up and configure a modern development environment for building ASP.NET Core web APIs and Vue.js SPA frontends. You will also learn about how ASP.NET Core differs from its predecessors, and how we can utilize those changes to our benefit. Finally, you will learn the fundamentals of building modern frontend applications using Vue.js, as well as some of the more advanced concepts, which can help make you more productive in your own applications in the future.

### What you will learn

- Setup a modern development environment for building both client-side and server-side code
- Use Vue CLI to scaffold front-end applications
- Build and compose a set of Vue.js components
- Setup and configure client-side routing to introduce multiple pages into a SPA
- Integrate popular CSS frameworks with Vue.js to build a product catalogue
- Build a functioning shopping cart that persists its contents across browser sessions
- Build client-side forms with immediate validation feedback using an open-source library dedicated to Vue.js form validation
- Refactor backend application to use the OpenIddict library

### Who this book is for

This book is aimed at ASP.NET developers who are looking for an entry point in learning how to build a modern client-side SPA with Vue.js, or those with a basic understanding of Vue.js who are looking to build on their knowledge and apply it to a real-world application. Knowledge of JavaScript is not necessary, but would be an advantage.

### Model, map, and access data effectively with Entity Framework Core 2, the latest evolution of Microsoft ' s object-relational mapping framework.

You will access data utilizing .NET objects via the most common data access layer used in ASP.NET Core MVC 2 projects. Best-selling author Adam Freeman explains how to get the most from Entity Framework Core 2 in MVC projects. He begins by describing the different ways that Entity Framework Core 2 can model data and the different types of databases that can be used. He then shows you how to use Entity Framework Core 2 in your own MVC projects, starting from the nuts and bolts and building up to the most advanced and sophisticated features, going in-depth to give you the knowledge you need. Chapters include common problems and how to avoid them.

### What You ' ll Learn

- Gain a solid architectural understanding of Entity Framework Core 2
- Create databases using your MVC data model
- Create MVC models using an existing database
- Access data in an MVC application using Entity Framework Core 2
- Use Entity Framework in RESTful Web Services

### Who This Book Is For

ASP.NET Core MVC 2 developers who want to use Entity Framework Core 2 as the data access layer in their projects

### Develop a simple, yet fully-functional modern web application using ASP.NET Core MVC, Entity Framework and Angular 5.

### About This Book

Based on the best-selling book ASP.NET Core and Angular 2 Easily build a complete single page application with two of the most impressive frameworks in modern development, ASP.NET Core and Angular Bring together the capabilities and features of both Angular 5 and ASP.NET Core 2 for full stack development Discover a comprehensive approach to building your next web project-From managing data, to application design, through to SEO

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optimization and security Who This Book Is For This book is for seasoned ASP.NET developers who already know about ASP.NET Core and Angular in general, but want to know more about them and/or understand how to blend them together to craft a production-ready SPA. What You Will Learn Use ASP.NET Core to its full extent to create a versatile backend layer based on RESTful APIs Consume backend APIs with the brand new Angular 5 HttpClient and use RxJS Observers to feed the frontend UI asynchronously Implement an authentication and authorization layer using ASP.NET Identity to support user login with integrated and third-party OAuth 2 providers Configure a web application in order to accept user-defined data and persist it into the database using server-side APIs Secure your application against threats and vulnerabilities in a time efficient way Connect different aspects of the ASP. NET Core framework ecosystem and make them interact with each other for a Full-Stack web development experience In Detail Become fluent in both frontend and backend web development by combining the impressive capabilities of ASP.NET Core 2 and Angular 5 from project setup right through the deployment phase. Full-stack web development means being able to work on both the frontend and backend portions of an application. The frontend is the part that users will see or interact with, while the backend is the underlying engine, that handles the logical flow: server configuration, data storage and retrieval, database interactions, user authentication, and more. Use the ASP.NET Core MVC framework to implement the backend with API calls and server-side routing. Learn how to put the frontend together using top-notch Angular 5 features such as two-way binding, Observables, and Dependency Injection, build the Data Model with Entity Framework Core, style the frontend with CSS/LESS for a responsive and mobile-friendly UI, handle user input with Forms and Validators, explore different authentication techniques, including the support for third-party OAuth2 providers such as Facebook, and deploy the application using Windows Server, SQL Server, and the IIS/ Kestrel reverse proxy. Style and approach More than just a technical manual, this guide takes you through the most important technical facets of developing with these two hugely popular frameworks and then demonstrates how to put those skills into practice. It's a book that recognizes that what's really important is the end product.

Learn how to develop web applications that deploy cross-platform and are optimized for high performance using ASP.NET Core 2 About This Book Master high-level web app performance improvement techniques using ASP.NET Core 2.0 Find the right balance between premature optimization and inefficient code Design workflows that run asynchronously and are resilient to transient performance issues Who This Book Is For This book is aimed for readers who can build a web application and have some experience with ASP.NET or some other web application framework (such as Ruby on Rails or Django). They can be people who are happy learning details independently but who struggle to discover the topics that they should be researching. The reader should be interested in improving the performance of their web app and in learning about ASP.NET Core and modern C#. What You Will Learn Understand ASP.NET Core 2 and how it differs from its predecessor Address performance issues at the early stages of development Set up development environments on Windows, Mac, and Linux Measure, profile and find the most significant problems Identify the differences between development workstations and production infrastructures, and how these can exacerbate problems Boost the performance of your application but with an eye to how it affects complexity and maintenance Explore a few cutting-edge techniques such as advanced hashing and custom transports In Detail The ASP.NET Core 2 framework is used to develop high-performance and cross-platform web applications. It is built on .NET Core 2 and includes significantly more framework APIs than version 1. This book addresses high-level performance improvement techniques. It starts by showing you how to locate and measure problems and then shows you how to solve some of the most common ones. Next, it shows you how to get started with ASP.NET Core 2 on Windows, Mac, Linux, and with Docker containers. The book illustrates what problems can occur as latency increases when deploying to a cloud infrastructure. It also shows you how to optimize C# code and choose the best data structures for the job. It covers new features in C# 6 and 7, along with parallel programming and distributed architectures. By the end of this

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book, you will be fixing latency issues and optimizing performance problems, but you will also know how this affects the complexity and maintenance of your application. Finally, we will explore a few highly advanced techniques for further optimization. Style and approach A step-by-step practical guide filled with real-world use cases and examples

This bestselling comprehensive guide to ASP.NET Core is the only book you need for ASP.NET Core development. Professional developers will produce leaner applications for the ASP.NET Core platform using the guidance in this full-color book, now in its 8th edition and updated for ASP.NET Core 3. It contains detailed explanations of the ASP.NET Core platform and the application frameworks it supports. This edition puts ASP.NET Core 3 into context and dives deep into the tools and techniques 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 are applied. ASP.NET Core 3 is the latest evolution of Microsoft's ASP.NET web platform and 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 3. He starts with the nuts-and-bolts topics, teaching you about middleware components, built-in services, request model binding, and more. As you gain knowledge and confidence, he introduces increasingly more complex topics and advanced features, including endpoint routing and dependency injection. He goes 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 3 release and broadens the focus to include the entire ASP.NET Core platform. You will appreciate the fully worked case study of a functioning ASP.NET Core application that you can use as a template for your own projects.

**What You Will Learn**

- Build a solid foundation and skill set for working with the entire ASP.NET Core platform
- Apply the new ASP.NET Core 3 features in your developer environment
- See how to create RESTful web services, web applications, and client-side applications
- Build on your existing knowledge to get up and running with new programming models quickly and effectively

**Who This Book Is For**

This book is for Microsoft developers and assumes a basic knowledge of web development and C#. While written for professionals who want to incorporate the latest improvements and functionality of ASP.NET Core 3 into their own projects, it also serves as an in-depth and complete reference on the topic. Beginners with some background in Microsoft web development will also benefit from the comprehensive coverage of the topic.

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