



Asp Net Core Signalr Github

Mark J. Price



Asp Net Core SignalR Github:

ASP.NET Core 6 and Angular Valerio De Sanctis, 2022-04-06 Design build and deploy robust web applications using ASP NET 6 Angular 13 and Entity Framework Core Key Features The most up to date book that covers cutting edge features released in ASP NET Core 6 and Angular 13 Create a production ready Single Page Application SPA or Progressive Web Application PWA Adopt a full stack approach to handle data management API documentation Web APIs end to end testing security and deployment Book Description Every full stack ninja needs the tools to operate on front end and back end application development This web app development book takes a hands on project based approach to provide you with all the tools and techniques that web developers need to create debug and deploy efficient web applications using ASP NET Core and Angular The fifth edition has been updated to cover advanced topics such as Minimal APIs Web APIs with GraphQL real time updates with SignalR and new features in NET 6 and Angular 13 You begin by building a data model with Entity Framework Core alongside utilizing the Entity Core Fluent API and EntityTypeConfiguration class You ll learn how to fetch and display data and handle user input with Angular reactive forms and front end and back end validators for maximum effect Later you will perform advanced debugging and explore the unit testing features provided by xUnit net NET 6 and Jasmine as well as Karma for Angular After adding authentication and authorization to your apps you will explore progressive web applications learning about their technical requirements testing processes and how to convert a standard web application to a PWA By the end of this web development book you will understand how to tie together the front end and back end to build and deploy secure and robust web applications What you will learn Use the new Visual Studio Standalone TypeScript Angular template Implement and consume a Web API interface with ASP NET Core Set up an SQL database server using a local instance or a cloud datastore Perform C and TypeScript debugging using Visual Studio 2022 Create TDD and BDD unit tests using xUnit Jasmine and Karma Perform DBMS structured logging using providers such as SeriLog Deploy web apps to Azure App Service using IIS Kestrel and NGINX Learn to develop fast and flexible Web APIs using GraphQL Add real time capabilities to Angular apps with ASP NET Core SignalR Who this book is for This book is for experienced ASP NET developers who already possess some familiarity with ASP NET Core and Angular and are looking to learn how to use them effectively together The fully documented code samples also available on GitHub and the step by step implementation tutorials make this book easy to follow

Web API Development with ASP.NET Core 8 Xiaodi Yan, 2024-04-05 Develop web API applications using design patterns advanced customization and cutting edge technologies such as SignalR gRPC and GraphQL while leveraging powerful cloud platforms and tools to accelerate development Key Features Gain proficiency in building modern ASP NET Core web API applications Develop the skills to effectively test debug and secure your web API applications Streamline development workflows and boost productivity with cloud computing platforms and industry standard CI CD tools Purchase of the print or Kindle book includes a free PDF eBook Book Description Web API applications

have become increasingly significant in recent years fueled by the ever accelerating pace of technological advancements. However, with this rapid evolution comes the need to create web API apps that are not only functional but also adaptable, maintainable, and scalable to meet the demands of users and businesses alike. This book draws from the author's immense technical expertise and decades of experience in software development to help you address this challenge head-on, equipping you with the knowledge and skills required to develop web API apps from scratch. By providing a deeper understanding of the various protocols implemented by ASP.NET Core, including RESTful, SignalR, WebSocket, gRPC, and GraphQL, supplemented by practical examples and optimization techniques such as using middleware, testing, caching, and logging, this book offers invaluable insights for both newcomers as well as seasoned developers to meet modern web development requirements. Additionally, you'll discover how to use cloud platforms such as Azure and Azure DevOps to enhance the development and operational aspects of your application. By the end of this book, you'll be fully prepared to undertake enterprise-grade web API projects with confidence, harnessing the latest advancements in ASP.NET Core 8 to drive innovation.

What you will learn:

- Build a strong foundation in web API fundamentals.
- Explore the ASP.NET Core 8 framework and other industry standard libraries and tools for high-performance, scalable web APIs.
- Apply essential software design patterns such as MVC, dependency injection, and the repository pattern.
- Use Entity Framework Core for database operations and complex query creation.
- Implement robust security measures to protect against malicious attacks and data breaches.
- Deploy your application to the cloud using Azure and leverage Azure DevOps to implement CI/CD.

Who this book is for: This book is for developers who want to learn how to build web APIs with ASP.NET Core and create flexible, maintainable, scalable applications with the .NET platform. Basic knowledge of C#, .NET, and Git will assist with understanding the concepts more easily.

ASP.NET Core 3 and React

Carl Rippon, 2019-12-27

Build modern, scalable, and cloud-ready single-page applications using ASP.NET Core, React, TypeScript, and Azure Key Features:

- Explore the full potential and latest features of .NET Core 3.0, TypeScript 3, and React.
- Learn how to manage data, application design, and packaging, and secure your web apps.
- Discover best practices for using React and TypeScript to build a scalable frontend that interacts with REST APIs.

Book Description: Microsoft's ASP.NET Core is a robust and high-performing cross-platform web API framework, and Facebook's React uses declarative JavaScript to drive a rich, interactive user experience on the client-side web. Together, they can be used to build full-stack apps with enhanced security and scalability at each layer. This book will start by taking you through React and TypeScript components to build an intuitive single-page application. You'll understand how to design scalable REST APIs that can integrate with a React-based frontend. You'll get to grips with the latest features, popular patterns, and tools available in the React ecosystem, including function-based components, React Router, and Redux. The book shows how you can use TypeScript along with React to make the frontend robust and maintainable. You'll then cover important .NET Core features such as API controllers, attribute routing, and model binding to help you build a sturdy backend. Additionally, you'll explore API security with ASP.NET

Core identity and authorization policies and write reliable unit tests using both NET Core and React before you deploy your app to the Azure cloud By the end of the book you ll have gained all the knowledge you need to enhance your C and JavaScript skills and build full stack production ready applications with ASP NET Core and React What you will learnBuild RESTful APIs with NET Core using API controllersCreate strongly typed interactive and function based React components using HooksBuild forms efficiently using reusable React componentsPerform client side state management with Redux and the React Context APISecure REST APIs with ASP NET identity and authorization policiesRun a range of automated tests on the frontend and backendImplement continuous integration CI and continuous delivery CD processes into Azure using Azure DevOpsWho this book is for If you re a web developer looking to build solid full stack web applications with NET Core and React this book is for you Although this book does not assume any knowledge of React you re expected to have a basic understanding of NET Core

Professional C# 6 and .NET Core 1.0 Christian Nagel,2016-03-29 A true professional s guide to C 6 Professional C 6 and NET Core 1 0 provides complete coverage of the latest updates features and capabilities giving you everything you need for C Get expert instruction on the latest changes to Visual Studio 2015 Windows Runtime ADO NET ASP NET Windows Store Apps Windows Workflow Foundation and more with clear explanations no nonsense pacing and valuable expert insight This incredibly useful guide serves as both tutorial and desk reference providing a professional level review of C architecture and its application in a number of areas You ll gain a solid background in managed code and NET constructs within the context of the 2015 release so you can get acclimated quickly and get back to work The new updates can actively streamline your workflow with major changes including reimagined C refactoring support a new NET Web app stack and the NET compiler platform that makes C and Visual Basic compilers available as APIs This book walks you through the changes with a comprehensive C review Explore the new Visual Studio templates for ASP NET Core 1 0 Web Forms and MVC Learn about the networking switch to HttpClient and ASP NET Web API s replacement of WCF Data Services Work with the latest updates to the event log Windows Runtime 2 0 and Windows 8 1 deployment and localization Dig deep into the new NET 5 0 GC behaviors and the Migrations addition to ADO NET Microsoft has stepped up both the cadence and magnitude of their software releases Professional C 6 and NET Core 1 0 shows you everything you need to know about working with C in a real world context

Professional C# 7 and .NET Core 2.0 Christian Nagel,2018-04-17 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

ASP.NET Core 8 and Angular Valerio De Sanctis, 2024-02-28 Build robust scalable web applications using ASP NET Core 8 Angular and Entity Framework Core Purchase of the print or Kindle book includes a free PDF eBook Key Features Combine ASP NET Core and Angular to build highly versatile web applications Create a production ready Single Page Application SPA or Progressive Web Application PWA Adopt a full stack approach to handle data management API documentation Web APIs end to end testing security and deployment Book DescriptionIf you want to learn how to use ASP NET Core with Angular effectively this hands on guide is for you Improve the way you create debug and deploy web applications while keeping up to date with the latest developments in NET 8 and modern Angular including NET Minimal APIs and the new Angular standalone API defaults You ll begin by setting up SQL Server 2022 and building a data model with Entity Framework Core You ll progress to fetching and displaying data handling user input with Angular reactive forms and implementing front end and back end validators for maximum effect After that you will perform advanced debugging and explore unit testing features with xUnit for NET and Jasmine and Karma for Angular You ll use Identity API endpoints in ASP NET Core and functional route guards in Angular to add authentication and authorization to your apps Finally you ll learn how to deploy to Windows Linux and Azure By the end of this book you will understand how to tie together the front end and back end to build and deploy secure and robust web applications What you will learn Explore the new Angular and ASP NET Core template with Visual Studio 2022 Use modern interfaces and patterns such as the HTML5 pushState API webhooks and UI data bindings Add real time capabilities to Angular apps with SignalR and gRPC Implement authentication and authorization using JWTs Perform DBMS structured logging using providers such as SeriLog Convert a standard web application to a progressive web application PWA Deploy an Angular app to Azure Static Web Apps Add GraphQL support to back end and front end using HotChocolate and Apollo Angular Who this book is for This book is for developers who have some familiarity with ASP NET Core and Angular and want to learn how to use them effectively together **Apps and**

Services with .NET 10 Mark J. Price, 2026-02-17 Bestselling author Mark Price guides you through the latest and most common technologies a NET developer should know ASP NET Core Blazor Minimal APIs NET MAUI Avalonia gRPC GraphQL SQL Server SignalR and more Free with your book DRM free PDF version access to Packt s next gen Reader Key Features Use specialized libraries to improve all aspects of your apps including security and localization Unlock scalability performance and resilience in your services Unleash the capabilities of Avalonia Blazor and MAUI to develop stunning truly cross platform apps for desktop web and mobile Book Description Building modern apps and services with C and NET isn t just about knowing the syntax it s about knowing the right tools for the job Whether you re building for web desktop or mobile the NET ecosystem offers a vast range of technologies But with so many choices it s easy to get stuck in a narrow skillset Apps and Services with NET 10 helps you build real world experience across the breadth of what NET has to offer This edition covers practical implementations across a diverse set of technologies You ll build APIs with ASP NET Core Minimal API gRPC GraphQL and SignalR and create user facing applications using Blazor for the web Avalonia for desktop and NET MAUI for mobile You ll also explore native AOT Ahead of Time compilation for high performance web services along with caching messaging and long running background tasks Each chapter provides hands on projects and real world context for when and why to use each tool By the end you ll have a full stack command of modern NET You ll know how to select the right UI tech for your target platform build APIs that scale architect reliable backend services and confidently adopt newer patterns You won t just understand the tools you ll know how to put them together to deliver robust user friendly cross platform apps in production environments Email sign up and proof of purchase required What you will learn Familiarize yourself with a variety of technologies to implement services such as gRPC and GraphQL Store and manage data locally and cloud natively with SQL Server Implement web services with native AOT publish support Leverage Dapper for improved performance over EF Core Implement popular third party libraries such as Serilog Humanizer and Noda Time Build web apps using Blazor mobile apps using MAUI and desktop apps using Avalonia Who this book is for This book is for NET developers interested in exploring more specialized libraries and implementation fundamentals behind building services and apps You ll need to know your way around NET and C to make the most of this book so if you want to work your way up to this book you can pick up Mark s other NET book C 14 and NET 10 Modern Cross Platform Development Fundamentals first **Learning Blazor** David Pine, 2022-09-26 Take advantage of your C skills to build UI components and client side experiences with NET With this practical guide you ll learn how to use Blazor WebAssembly to develop next generation web experiences Built on top of ASP NET Core Blazor represents the future of NET single page application investments Author David Pine who focuses on NET and Azure content development at Microsoft explains how WebAssembly enables many non JavaScript based programming languages to run on the client browser In this book you ll learn about real time web functionality with ASP NET Core SignalR and discover strategies for bidirectional JavaScript interop David also covers component data binding

hierarchical event driven communications in memory state management and local storage This book shows you how to Create a beautiful feature rich Blazor app Develop and localize an enterprise scale app using GitHub Actions and Azure Cognitive Services Translator Create advanced validation scenarios for input based components with forms Automatically deploy and host to Azure Static Web Apps and rely on HTTP services Use a geolocation service and speech synthesis and recognition native to the browser Author a custom modal verification mechanism for validating a user

Real-Time Web Application Development Rami Vemula,2017-12-01 Design develop and deploy a real world web application by leveraging modern open source technologies This book shows you how to use ASP NET Core to build cross platform web applications along with SignalR to enrich the application by enabling real time communication between server and clients You will use Docker to containerize your application integrate with GitHub to package the application and provide continuous deployment to Azure s IaaS platform Along the way Real Time Web Application Development covers topics including designing a Materialize CSS theme using a test driven development approach with xUnit net and securing your application with the OAuth 2 0 protocol To further your understanding of the technology you will learn logging and exception handling navigation using view components and how to work with forms and validations The rich code samples from this book can be used to retrofit or upgrade existing ASP NET Core applications What You Will Learn Design and develop a real world web application Implement security and data storage with OAuth2 and Azure Table Storage Orchestrate real time notifications through SignalR Use GitHub and Travis CI for continuous integration of code Master Docker containerization and continuous deployment with Docker Cloud to Azure Linux virtual machines Who This Book Is For Developers and software engineers interested in learning an end to end approach to application development using Microsoft technologies

Pro ASP.NET SignalR Keyvan Nayyeri,Darren White,2014-05-01 ASP NET SignalR is the new solution to real time communication between servers and clients in NET Use it to push new data to a web page or mobile device as soon as it becomes available whether it s a notification live chat up to the minute financial data or a range of other exciting applications Innovations like Google live search and live Facebook and Twitter updates are pushing users expectations of the real time web With Pro ASP NET SignalR you can join this revolution and learn skills that will be valuable for years to come Pro ASP NET SignalR starts with an introduction to the real time web Learn about the technologies underlying the SignalR library such as WebSockets and long polling and how SignalR elegantly flips between them depending on the capabilities of the client Next meet the concepts of hubs and persistent connections and how to use them to build the components of an ASP NET SignalR application Find out how to extend test debug configure scale and host your applications and how to target a range of clients including Windows and iOS The book rounds off with two case studies a stock market price updater and a collaborative drawing application so you can get to grips with SignalR in a realistic scenario using a broad range of the concepts covered in earlier chapters As real time updates to web and mobile apps become the norm Pro ASP NET SignalR will be your in depth one stop companion

to this new and exciting technology

SignalR Blueprints Einar Ingebrigtsen, 2015-02-25 This book is designed for software developers primarily those with knowledge of C# and JavaScript Good knowledge and understanding of SignalR is assumed to allow efficient programming of core elements and applications in SignalR

Customizing ASP.NET Core 5.0 Jürgen Gutsch, 2021-01-28 A guide to discovering the hidden behaviors of ASP.NET Core that can be customized to optimize your .NET 5 applications

Key Features Customize the default behavior of ASP.NET Core to get the most out of the framework Enhance the app configuration change the default dependency injection and build your own tag helpers Discover best practices for configuring ASP.NET Core from user interface design to hosting it on platforms

Book Description ASP.NET Core is the most powerful Microsoft web framework Although it's full of rich features sometimes the default configurations can be a bottleneck and need to be customized to suit the nature and scale of your app If you're an intermediate level .NET developer who wants to extend .NET Core to multiple use cases it's important to customize these features so that the framework works for you effectively

Customizing ASP.NET Core 5.0 covers core features that can be customized for developing optimized apps The customization techniques are also updated to work with the latest .NET 5 framework You'll learn essential concepts relating to optimizing the framework such as configuration dependency injection routing action filters and more As you progress you'll be able to create custom solutions that meet the needs of your use case with ASP.NET Core Later chapters will cover expert techniques and best practices for using the framework for your app development needs from UI design to hosting Finally you'll focus on the new endpoint routing in ASP.NET Core to build custom endpoints and add third party endpoints to your web apps for processing requests faster

By the end of this application development book you'll have the skills you need to be able to customize ASP.NET Core to develop robust optimized apps

What you will learn Explore various application configurations and providers in ASP.NET Core 5 Understand dependency injection in .NET and learn how to add third party DI containers Discover the concept of middleware and write your own middleware for ASP.NET Core apps Create various API output formats in your API driven projects Get familiar with different hosting models for your ASP.NET Core app Develop custom routing endpoints and add third party endpoints Configure WebHostBuilder effectively for your web applications

Who this book is for This .NET 5 book is for .NET developers who need to change the default behaviors of the framework to help improve the performance of their applications Intermediate level knowledge of ASP.NET Core and C# is required before getting started with the book

SignalR on .NET 6 - the Complete Guide Fiodar Sazanavets, 2022-04-12 Are you a web developer or do you write Internet of things (IoT) software If so you would know that many web and IoT development projects these days require the ability to establish a persistent connection between a client and a server without having to keep sending repeated requests from the client For example a user of a live chat would want to know in real time that they have received a new message Or an IoT device may need to be sent a command in real time As you may also know such functionality may be hard to implement However if you can build your server side application on ASP

NET Core there is a way to make this whole process easy There is a library called SignalR which is included in ASP NET Core SignalR doesn't only enable you to achieve real time two way communication between applications It also substantially simplifies the process of enabling all of this in the code Under the hood it uses various two way communication protocols such as WebSocket However it abstracts away all the implementation complexity of these protocols To the developer working with this library will mostly consists of writing simple and easily readable statements In this book we will cover everything you would need to know about using SignalR on NET 6 so you will see how to integrate it with the the latest features on ASP NET Core 6 and C 10 We will cover much more than you can find in the official documentation of the library For example you will learn how to connect a plain WebSocket client to it which may help you to write a client in a language that isn't officially supported Likewise we will cover many concepts that aren't directly related to SignalR but are important to its production ready implementation These would include single sign on certificate authorization logging metrics and scaling out By the end of this book you would be able to identify the situations where SignalR is the best tool for the job and you would be fully able to implement it

Understanding Game Application Development Vincent Maverick S. Durano,2018-12-12 Learn to build a simple data driven mobile game application using the power of Xamarin Forms ASP NET the Web API and SignalR with this short book In it you will build a cross platform mobile application that targets both iOS and Android connect your app with your database using Entity Framework and implement real time syncing functionality using SignalR Understanding Game Application Development starts by giving you an overview of the development tools an installation guide and a list of prerequisites You will learn how to manage application flow create your workspace and set up your database Next you will see how to access data for handling CRUD operations and define the necessary API endpoints Further you will build a mobile application with Xamarin Forms both in iOS and in Android You will also understand the deployment and testing process as well as how to build a real time leader board using ASP NET MVC and SignalR Finally you will understand how to publish your source code on GitHub from Visual Studio 2017 What You Will Learn Understand the basic concept and fundamentals of the technologies used for building the applications Set up your development environment Create a SQL database from scratch Implement a data access layer Define REST service endpoints using the Web API Deploy test and debug iOS and Android applications Push your source code to GitHub Who This Book Is For NET developers who want to jump on mobile application development with Xamarin and learn with practical examples

Migrating ASP.NET Microservices to ASP.NET Core 8 Iris Classon,2024-11-26 In this second edition you will be guided through the journey of migrating an ASP NET Framework application to ASP NET Core microservices You will know how to master the following steps Conduct an inventory prepare the application plan the migration execute the migration improve the deployment pipeline For the detailed hands on migration the book uses a streamlined business application derived from a real world application that underwent the migration process a few years ago In this second edition the application has evolved to include more features relevant to

the latest advancements in ASP.NET Core such as minimal web APIs, Razor Pages, REST documentation, and enhanced authentication. The book also delves into the nuances of upgrading between ASP.NET Core versions, managing breaking changes, and incorporating significant new features. New in This Edition: Enhanced sample application now showcases the application of gRPC, Minimal APIs, and OpenAPI reflecting the latest in ASP.NET Core technology. Dedicated section focuses on upgrading ASP.NET Core applications, addressing both the challenges posed by breaking changes and the introduction of new features. Deployment and CI/CD pipeline section has been expanded to include a minor section covering GitHub Actions, Docker containers, and other significant deployment improvements. Maintenance chapter has been updated with a section on the ASP.NET Core release and support cycles, as well as an enhanced resources section now featuring AI developer tools.

What You Will Learn

- Effectively plan and execute a migration.
- Conduct an in-depth analysis, inventory, and cleanup.
- Decoupling logic and break out new services, all while adhering to best practices such as the handler pattern, dependency injection, and more.
- Use key ASP.NET Core features such as minimal Web API, Razor Pages, gRPC, and built-in authentication improvements.
- Know other important features such as SignalR, EF Core, ASP.NET Core testing library for integration tests, Blazor, and more.

Who This Book Is For

Software developers, IT professionals, and system architects who are looking to transition their applications to ASP.NET Core. This book serves as a fundamental resource for those keen on modernizing their development practices and staying current with ASP.NET Core.

Pro ASP.NET SignalR Keyvan Nayyeri, Darren White, 2014. ASP.NET SignalR is the new solution to real-time communication between servers and clients in .NET. Use it to push new data to a web page or mobile device as soon as it becomes available, whether it's a notification, live chat, up to the minute financial data, or a range of other exciting applications.

C# 7 and .NET Core 2.0 Blueprints Dirk Strauss, Jas Rademeyer, 2018-03-28. Leverage the features of C# 7 and .NET Core 2.0 to build real-world .NET Core applications. Key Features: Easy to follow, real-world projects that get you up and running with the new features of C# 7 and .NET Core 2.0. The practical applications will assist you with concepts such as Entity Framework Core, serverless computing, and more in .NET Core 2.0. Explore OAuth concepts and build ASP.NET Core applications using MongoDB. Book Description: .NET Core is a general-purpose, modular, cross-platform, and open-source implementation of .NET. With the latest release of .NET Core, many more APIs are expected to show up, which will make APIs consistent across .NET Framework, .NET Core, and Xamarin. This step-by-step guide will teach you the essential .NET Core and C# concepts with the help of real-world projects. The book starts with a brief introduction to the latest features of C# 7 and .NET Core 2.0 before moving on to explain how C# 7 can be implemented using the object-oriented paradigm. You'll learn to work with relational data using Entity Framework and see how to use ASP.NET Core practically. This book will show you how .NET Core allows the creation of cross-platform applications. You'll also learn about SignalR to add real-time functionality to your application. Then you will see how to use MongoDB and how to implement MongoDB into your applications. You'll learn about serverless computing and OAuth concepts along with running ASP.NET Core applications with

Docker Compose This project based guide uses practical applications to demonstrate these concepts By the end of the book you ll be proficient in developing applications using NET Core 2 0 What you will learn How to incorporate Entity Framework Core to build ASP NET Core MVC applications Get hands on experience with SignalR and NuGet packages Working with MongoDB in your ASP NET Core MVC application Get hands on experience with NET Core MVC Middleware Controllers Views Layouts Routing and OAuth Implementing Azure Functions and learn what Serverless computing means See how NET Core enables cross platform applications that run on Windows macOS and Linux Running a NET Core MVC application with Docker Compose Who this book is for This book is for NET developers who would like to master and implement C 7 and NET Core 2 0 with practical projects Basic knowledge of NET Core and C is assumed *Migrating ASP.NET Microservices to ASP.NET Core* Iris Classon,2019-08-30 Migrate your existing microservice cluster from ASP NET to ASP NET Core While improved performance and cross platform support are evident this book helps you cut through the noise to determine how when and to what extent a migration is needed Microsoft s introduction of NET Core has created a lot of excitement but also a lot of confusion for developers accustomed to ASP applications and services This book gives you specific steps to embark on a partial or full SaaS microservices system migration factoring in limited resources time and finances In addition to practical advice and real world examples many mishaps will be shared providing you with a complete 360 degree view of a migration As a developer intimately familiar with the migration process author Iris Classon shares prescriptive guidance on every part of the system from code dependencies editors integration and the deployment pipeline to a distribution model You will come away with all the information you need to plan and prepare your migration to ASP NET Core What You ll Learn Conduct an in depth pre migration analysis of your system Know the differences between ASP NET and ASP NET Core Plan for and execute a full or partial migration to ASP NET Core Understand the continuous integration and deployment process Gain insight on tools and templates that will accelerate and facilitate the migration process Leverage a real world migration example complete with genuine challenges Migrate specific components such as logging authentication data access and more Who This Book Is For Developers who are considering or are tasked with migrating an existing microservice cluster from ASP NET to ASP NET Core Experience with C Web API ASP NET Visual Studio and PowerShell is helpful [Hands-On Machine Learning with ML.NET](#) Jarred Capellman,2020-03-27 Create train and evaluate various machine learning models such as regression classification and clustering using ML NET Entity Framework and ASP NET Core Key FeaturesGet well versed with the ML NET framework and its components and APIs using practical examplesLearn how to build train and evaluate popular machine learning algorithms with ML NET offeringsExtend your existing machine learning models by integrating with TensorFlow and other librariesBook Description Machine learning ML is widely used in many industries such as science healthcare and research and its popularity is only growing In March 2018 Microsoft introduced ML NET to help NET enthusiasts in working with ML With this book you ll explore how to build ML NET applications with the various ML models

available using C code The book starts by giving you an overview of ML and the types of ML algorithms used along with covering what ML NET is and why you need it to build ML apps You ll then explore the ML NET framework its components and APIs The book will serve as a practical guide to helping you build smart apps using the ML NET library You ll gradually become well versed in how to implement ML algorithms such as regression classification and clustering with real world examples and datasets Each chapter will cover the practical implementation showing you how to implement ML within NET applications You ll also learn to integrate TensorFlow in ML NET applications Later you ll discover how to store the regression model housing price prediction result to the database and display the real time predicted results from the database on your web application using ASP NET Core Blazor and SignalR By the end of this book you ll have learned how to confidently perform basic to advanced level machine learning tasks in ML NET What you will learn Understand the framework components and APIs of ML NET using C Develop regression models using ML NET for employee attrition and file classification Evaluate classification models for sentiment prediction of restaurant reviews Work with clustering models for file type classifications Use anomaly detection to find anomalies in both network traffic and login history Work with ASP NET Core Blazor to create an ML NET enabled web application Integrate pre trained TensorFlow and ONNX models in a WPF ML NET application for image classification and object detection Who this book is for If you are a NET developer who wants to implement machine learning models using ML NET then this book is for you This book will also be beneficial for data scientists and machine learning developers who are looking for effective tools to implement various machine learning algorithms A basic understanding of C or NET is mandatory to grasp the concepts covered in this book effectively

SignalR Programming in Microsoft ASP.NET José M. Aguilar, 2014 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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