

# Aspnet Web Api Build Restful Web Applications And Services On The Net Framework

Aspnet Web Api Build Restful Web Applications And Services On The Net Framework ASPNET Web API Build RESTful Web Applications and Services on the NET Framework This comprehensive guide delves into the world of ASPNET Web API empowering you to build robust and scalable RESTful web applications and services on the NET Framework Youll gain a deep understanding of the core principles of REST learn how to design and implement powerful APIs using ASPNET Web API and discover best practices for building secure efficient and maintainable applications Whether youre a seasoned NET developer or a curious newcomer to the world of web services this guide will equip you with the knowledge and skills you need to confidently develop and deploy your own RESTful applications ASPNET Web API RESTful APIs NET Framework Web Services Web Application Development API Design HTTP JSON XML Web API Security API Versioning API Documentation API Testing This guide is your roadmap to mastering ASPNET Web API for building RESTful web applications and services on the NET Framework It provides a structured learning path covering key concepts and practical examples enabling you to Understand the fundamentals of RESTful architecture Grasp the core principles of REST including resource representation statelessness and uniform interfaces Build powerful web APIs with ASPNET Web API Discover the building blocks of ASPNET Web API and master essential techniques like routing controllers actions and data serialization Implement robust API security Learn to secure your APIs using authentication and authorization mechanisms like OAuth and JWT Optimize your APIs for performance and scalability Explore techniques for improving API response times handling high traffic volumes and ensuring reliable performance Design and document userfriendly APIs Understand best practices for API design including versioning strategies error handling and documentation approaches Conclusion 2 The world of web applications is rapidly evolving and the adoption of RESTful APIs is driving this evolution By mastering ASPNET Web API you gain the ability to craft robust and scalable applications that seamlessly integrate with modern web platforms and services This guide empowers you to build the next generation of web applications leveraging the power and flexibility of the NET Framework while embracing the principles of REST The journey to mastering ASPNET Web API is a rewarding one paving the way for you to create impactful usercentric experiences in the everexpanding landscape of web development FAQs 1 What is the difference between ASPNET Web API and ASPNET MVC ASPNET Web API and ASPNET MVC are both frameworks within the NET ecosystem but they serve different purposes ASPNET MVC focuses on creating fullfledged web applications with complex UI components and interactions In contrast ASPNET Web API is specifically designed for building RESTful web APIs focusing on data exposure and interactions between applications While they share some underlying technologies their core functionalities and target use cases differ 2 How do I choose between ASPNET Web API and other API frameworks The choice of API framework depends on your specific needs and preferences If youre working within the NET ecosystem and require a framework that seamlessly integrates with other NET technologies ASPNET Web API is an excellent choice However if youre working with other platforms or prefer a different approach consider exploring frameworks like Nodejs Express or Flask Python The best framework for you will depend on your project requirements team skills and the broader ecosystem youre working within 3 Is ASPNET Web API still relevant in the era of NET Core ASPNET Web API while based on the NET Framework remains relevant due to its maturity and extensive feature set However for new projects ASPNET Core

Web API is the recommended choice. It offers a more modern and modular architecture, improved performance, and native support for crossplatform development. While ASP.NET Web API is still supported, and functional new development efforts are typically directed towards ASP.NET Core Web API. 4 What are some best practices for designing RESTful APIs? Designing wellstructured RESTful APIs is crucial for their usability and maintainability. Some key best practices include: 3 Use clear and consistent naming conventions. Employ meaningful resource names and consistent verb usage (GET, POST, PUT, DELETE) for CRUD operations. Follow the HATEOAS principle. Include hyperlinks in API responses to allow clients to discover related resources and navigate the API structure. Implement appropriate versioning strategies. Manage API evolution gracefully using versioning schemes like URLbased or headerbased versioning. Provide comprehensive documentation. Create detailed API documentation outlining endpoints, request/response formats, and expected behavior for different scenarios. 5 How can I test my ASP.NET Web API endpoints effectively? Effective testing is crucial for ensuring the quality and stability of your APIs. Some common testing approaches for ASP.NET Web API include: Unit testing. Test individual API controllers and actions in isolation to verify their functionality and logic. Integration testing. Test interactions between multiple API components such as databases, services, and controllers to validate data flow and integration. End-to-end testing. Test the complete API workflow from client requests to server responses, encompassing all layers of the application. Performance testing. Assess the APIs response times, throughput, and resource utilization under various load scenarios. By utilizing a combination of these testing techniques, you can build confidence in the reliability and performance of your ASP.NET Web API application.

ASP.NET Web API 2: Building a REST Service from Start to Finish  
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 Building Web APIs with ASP.NET Core  
 Build .NET Web API from Scratch  
 Principles of Web API Design  
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 Building Serverless Python Web Services with Zappa  
 ASP.NET MVC 4 and the Web API  
 Professional ASP.NET 4.5 in C# and VB C# 11 and .NET 7 – Modern Cross-Platform Development Fundamentals  
 Professional C# 7 and .NET Core 2.0  
 Web API Development with ASP.NET Core 8  
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the asp net mvc framework has always been a good platform on which to implement rest based services

but the introduction of the asp net api framework raised the bar to a whole new level now in release version 2.1 the api framework has evolved into a powerful and refreshingly usable platform this concise book provides technical background and guidance that will enable you to best use the asp net api 2 framework to build world class rest services new content in this edition includes new capabilities in api 2 currently version 2.1 support for partial updates or patch api versioning support for legacy soap based operations how to handle non resource apis using rest how to best expose relationships between resources json tokens cors csrf get ready for authors jamie kurtz and brian wortman to take you from zero to rest service hero in no time at all no prior experience with asp net api is required all api related concepts are introduced from basic principles and developed to the point where you can use them in a production system a good working knowledge of c and the net framework are the only prerequisites to best benefit from this book

want to learn how to build asp net core 1.1 apis prerequisites c intermediate level including generics reflection and object oriented programming oop need help feel free to contact me at [csharpschoolonline@gmail.com](mailto:csharpschoolonline@gmail.com) code [github.com/csharpschool/aspnetcorewebapi](https://github.com/csharpschool/aspnetcorewebapi) errata [github.com/csharpschool/aspnetcorevideo/issues](https://github.com/csharpschool/aspnetcorevideo/issues) this book is primarily aimed at developers who want to learn how to build asp net core 1.1 apis no user interface will be built instead you will use a tool called postman to make requests and to receive responses from the api you should be an intermediate level c developer with some experience in object oriented programming oop generics and reflection the book presupposes that you have a solid c foundation since the language won't be explained in any detail you will learn asp net core 1.1 api by building three services that handle data used in four controllers an empty template will be used to build the api application from the ground up the goal is to get you familiar with asp net core 1.1 api by adding middleware and services one piece at a time building a basic application the first service will use in memory data stored in collections to make it easier for you to learn api basics the second service will implement the same interface that the in memory service uses to interact with a sql server database using entity framework the third service will be generic using reflection in one of its methods generics will make it possible to reuse the same methods when interacting with all tables in the database instead of creating a set of methods for each table the content in this book will get you started with apis in a fast no fluff way it's important to mention that this book is practical and tactical where you will learn as you progress through the modules and build a real api step by step to spare you countless pages of fluff filler material only valuable information pertinent to the task at hand is discussed the benefit is a shorter and more condensed book which will save you time and give you a more enjoyable experience the goal is to learn asp net core 1.1 api by implementing three different scenarios in a api application from scratch using an empty project template this experience is something you can put in your cv when applying for a job or a consultant position or when negotiating a higher salary technologies frameworks and languages you will use postman to send requests and receive responses from the api visual studio 2017 asp net core 1.1 mvc api the framework that you will use services to provide you own functionality as a reusable service middleware to provide you own functionality to http request pipeline entity framework to create and communicate with a database linq to query the database dependency injection to inject objects into constructors nuget to install necessary libraries what you will implement a api application from an empty template create a real world code first database using entity framework core add and modify entity models to perform crud operations against the database i hope you love the book sincerely jonas fagerberg now click the buy button and start reading the book

building apis with asp net core is a practical beginner's guide to creating your first web apis using asp net core in it you'll develop an api that feeds web based services including websites and mobile apps for a board games application the book is cleverly structured to mirror a real world development project with each chapter introducing a new feature request you'll build your api with an ecosystem of asp net

core tools that help simplify everything from setting up your data model to generating documentation

build net api from scratch are you ready to master modern api development and build scalable web services that power today s applications this book is your complete step by step guide to learning restful api development with asp net core and c from beginner concepts to advanced techniques used in real world projects inside you ll discover how to set up and start fast install net configure your development environment and create your first api project with ease understand restful principles learn the essentials of http methods status codes routing and best practices that make apis reliable and efficient build crud operations implement get post put and delete endpoints while working with models dtos and data validation work with databases use entity framework core for migrations relationships and efficient querying with sql server or sqlite secure your apis apply authentication authorization and token based security to protect your data and users optimize and deploy add dependency injection logging and error handling then deploy your api to the cloud for real world use whether you re just starting out with asp net core or you re an experienced developer aiming to sharpen your skills this book gives you practical real world knowledge to design build and deploy professional grade apis if you want to gain job ready skills in asp net core api development and confidently create scalable secure and high performing web services this is the book you need take the leap start building your own api from scratch today

the full lifecycle guide to api design principles of api design brings together principles and processes to help you succeed across the entire api design lifecycle drawing on extensive in the trenches experience leading consultant james higinbotham helps you align every stakeholder on specific outcomes design apis that deliver value and scale the design process from small teams to the entire organization higinbotham helps you bring an outside in perspective to api design to reflect the voices of customers and product teams map requirements to specific and well organized apis and choose the right api style for writing them he walks through a real world example from the ground up offering guidance for anyone designing new apis or extending existing apis deliver great apis by getting your design processes right gain agreement on specific outcomes from design teams customers and other stakeholders craft job stories conduct eventstorming and model capabilities identify the right apis and organize operations into coherent api profiles choose the best styles for each project rest grpc graphql or event based async apis refine designs based on feedback from documenters testers and customers decompose apis into microservices mature your api program implementing design and management processes that scale this guide is invaluable for anyone involved in planning or building apis architects developers team leaders managers in single and multi team environments and any technical or business professional delivering api as a product offerings register your book for convenient access to downloads updates and or corrections as they become available see inside book for details

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 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 world code examples with explanations whenever necessary some experience with c and asp net 4 is expected

master serverless architectures in python and their implementation with zappa on three different frameworks key features scalable serverless python web services using django flask and pyramid learn asynchronous task execution on aws lambda and scheduling using zappa implementing zappa in a docker container book description serverless applications are becoming very popular these days not just because they save developers the trouble of managing the servers but also because they provide several other benefits such as cutting heavy costs and improving the overall performance of the application this book will help you build serverless applications in a quick and efficient way we begin with an

introduction to aws and the api gateway the environment for serverless development and zappa we then look at building testing and deploying apps in aws with three different frameworks flask django and pyramid setting up a custom domain along with ssl certificates and configuring them with zappa is also covered a few advanced zappa settings are also covered along with securing zappa with aws vpc by the end of the book you will have mastered using three frameworks to build robust and cost efficient serverless apps in python what you will learn build test and deploy a simple web service using aws cli integrate flask based python applications via aws cli configuration design rest apis integrated with zappa for flask and django create a project in the pyramid framework and configure it with zappa generate ssl certificates using amazon certificate manager configure custom domains with aws route 53 create a docker container similar to aws lambda who this book is for python developers who are interested in learning how to develop fast and highly scalable serverless applications in python will find this book useful

this one hundred page book focuses exclusively on how you can best use the asp net mvc 4 framework to build world class rest services using the api it sets aside much of what the asp net mvc framework can do and focuses exclusively on how the api can help you build web services you will not find any help on css html javascript or jquery nor will you find any help on the razor view engine html helpers or model binding if you need this information then pro asp net mvc 4 is your perfect book asp net mvc 4 and the api building a rest service from start to finish helps you build cutting edge rest services using asp net mvc 4 and the api in more depth and detail than any other resource asp net mvc has always been a good platform on which to implement rest but with the advent of the api it has now become even better this book will show you why it s great and how to get the most from it author jamie kurtz will take you from zero to full blown rest service hero in no time at all and you ll even learn how to incorporate some popular open source tools along the way little or no experience with asp net or the mvc framework is required

the all new approach for experienced asp net professionals asp net is microsoft s technology for building dynamically generated web pages from database content originally introduced in 2002 asp net has undergone many changes in multiple versions and iterations as developers have gained a decade of experience with this popular technology with that decade of experience this edition of the book presents a fresh new overhauled approach a new focus on how to build asp net sites and applications relying on field tested reliable methods integration of one asp net philosophy treating asp net forms and asp net mvc as equal tools each with their proper time and place coverage of hot new asp net 4 5 additions such as the api websockets and html5 css3 use in layout but only to the extent that the tools themselves are practical and useful for working asp net developers professional asp net 4 5 in c and vb is an essential tool for programmers who need to be productive and build reliably performing sites with the latest asp net framework and visual studio

publisher s note microsoft will stop supporting net 7 from may 2024 the newer 8th edition of the book is available that covers net 8 end of life november 2026 with c 12 and ef core purchase of the print or kindle book includes a free pdf ebook key features explore the newest additions to c 11 the net 7 class libraries and entity framework core 7 create professional websites and services with asp net core 7 and blazor build your confidence with step by step code examples and tips for best practices book descriptionextensively revised to accommodate the latest features that come with c 11 and net 7 this latest edition of our guide will get you coding in c with confidence you ll learn object oriented programming writing testing and debugging functions implementing interfaces and inheriting classes next you ll take on net apis for performing tasks like managing and querying data working with the filesystem and serialization as you progress you ll also explore examples of cross platform projects you

can build and deploy such as websites and services using asp net core instead of distracting you with unnecessary graphical user interface code the first eleven chapters will teach you about c language constructs and many of the net libraries through simple console applications having mastered the basics you ll then start building websites web services and browser apps by the end of this book you ll be able to create rich web experiences and have a solid grasp of object oriented programming that you can build upon what you will learn build rich web experiences using blazor razor pages the model view controller mvc pattern and other features of asp net core write test and debug functions query and manipulate data using linq integrate and update databases in your apps using entity framework core models build and consume powerful services using the latest technologies including api and minimal api for net 6 developers c 11 can be used with net 6 including features like raw string literals ef core 7 targets net 6 so you can benefit from its new features like executeupdate and executedelete for more efficient data modifications who this book is for this book is primarily for beginners but intermediate level c and net programmers who have worked with c in the past and want to catch up with the changes made in the past few years will also find plenty of useful information in it prior exposure to c or net is not a prerequisite but you should have a general understanding of programming before you jump in if you already have some c and net skills and want to focus on developing apps we recommend that you pick up mark s other net book apps and services with net 7 instead

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

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 descriptionapi 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 net platform basic knowledge of c net and git will assist with understanding the concepts more easily

if you are a developer who wants to learn the basic skills of web and application programming interfaces apis with net this book is your complete introduction the book takes a learn by experience approach you will hit the ground running with a sample project that has everything you need to be wired up as you follow along you will learn simple and intuitive conventions that will free you from some of the more tedious decisions and work in order to allow you to focus on the business requirements required by your team certain components of the framework should always appear in certain folders in the solution to speed up development while others need a name that follows particular conventions you will learn the building blocks of api and how to leverage them to have a well rounded api understanding these small but important tricks will make development faster easier and more pleasant and will prevent time consuming errors part i introduces you to the basics of part ii gets you started creating an api that you will use and build upon throughout the book until you have a complete project all companion code is available via github part iii covers more advanced concepts including how to override out of the box conventions to customize an api to meet your specific business needs by the end of the book you will have a fully functional api and you will be better prepared for an interview for a net backend developer job what you will learn build a start to finish api know the main concepts of the apply best practices in api development to your own projects know the fundamentals of api development know the fundamentals of a restful api leverage api constructs to implement a clean and extensible api get hands on experience to unit test a api gain the skills required to apply for a junior or entry level net developer job who this book is for developers who want to learn api development with net it is helpful to have some basic c programming knowledge because it is used in api development in net but it is not mandatory readers should be familiar with a programming language to be able to understand code and examples experience with web development is not necessary

leverage asp net api to build professional web services and create powerful applications about this book get a comprehensive analysis of the latest specification of asp net core and all the changes to the underlying platform that you need to know to make the most of the web api see an advanced coverage of asp net core api to create robust models for your data create controllers and handle routing and security this book is packed with key theoretical and practical concepts that can be instantly applied to build professional applications using api with angular 4 ionic and react who this book is for this book is

for net developers who wants to master asp net core api and have played around with previous asp net api a little but don't have in depth knowledge of it you need to know visual studio and c and have some html css and javascript knowledge what you will learn acquire conceptual and hands on knowledge of asp net core mvc api learn about http methods the structure of http content internet media types and how servers respond to http requests and their associated http codes explore middleware filters routing and unit testing optimize api implementations develop a secure api interface deploy api projects to various platforms consume your web api in front end application based on angular 4 bootstrap and ionic implement and explore the current trends in service architecture in detail microsoft has unified their main web development platforms this unification will help develop web applications using various pieces of the asp net platform that can be deployed on both windows and linux with asp net core api it will become easier than ever to build secure http services that can be used from any client mastering asp net api starts with the building blocks of the asp net core then gradually moves on to implementing various http routing strategies in the api we then focus on the key components of building applications that employ the api such as kestrel middleware filters logging security and entity framework readers will be introduced to take the tdd approach to write test cases along with the new visual studio 2017 live unit testing feature they will also be introduced to integrate with the database using orms finally we explore how the api can be consumed in a browser as well as by mobile applications by utilizing angular 4 ionic and reactjs by the end of this book you will be able to apply best practices to develop complex api consume them in frontend applications and deploy these applications to a modern hosting infrastructure style and approach using a hands on approach we cover both the conceptual as well as the technical aspects of the asp net core api framework

this concise yet comprehensive guide shows developers and architects how to tackle data integration challenges with mulesoft authors pooja kamath and diane kesler take you through the process necessary to build robust and scalable integration solutions step by step supported by real world use cases building integrations with mulesoft teaches you to identify and resolve performance bottlenecks handle errors and ensure the reliability and scalability of your integration solutions you'll explore mulesoft's robust set of connectors and their components and use them to connect to systems and applications from legacy databases to cloud services ask the right questions to determine your use case define requirements decide on reuse versus rebuild and create sequence and context diagrams master tools like the anypoint platform anypoint studio code builder github and maven design apis with raml and oas and craft effective requests and responses write munit tests validate dataweave expressions and use postman collections deploy mule applications to cloudhub use api manager to create api proxies and secure apis with mule oauth 2.0 learn message orchestration techniques for routers transactions error handling for each parallel for each and batch processing

comprehensive advanced coverage of c# 5.0 and .net 4.5.1 whether you're a c# guru or transitioning from c# staying up to date is critical to your success professional c# 5.0 and .net 4.5.1 is your go to guide for navigating the programming environment for the windows platform after a quick refresher of the c# basics the team of expert authors dives in to c# 5.0 and updates for .net 4.5.1 includes different behaviors for .net 4.5.1 and the changes to visual studio 2013 changes to asp net core forms mvc and api updated windows 8 deployments and localization event logs and data flow shuffling of ado net entity framework additions to windows workflow foundation new windows runtime 2.0 updates

microsoft's asp net api simplifies data delivery through http making it a great platform for building restful applications with asp net api you'll learn the ins and outs of the technology so that you can start building services in no time the book starts with a high level overview of api examining the hosting layer message handler pipeline and controller and delves further into each layer in succinct detail by the



end of the book you ll understand how asp net api handles requests how to set up a route table and how to extend the controller at the center of the api to perform custom actions beyond data delivery you ll gain some insight into keeping your api secure self hosting or hosting the api on the web and how to create unit tests with it even if you don t have a thorough knowledge of http you can start using asp net api simplicity is one of its strengths this updated and expanded second edition of book provides a user friendly introduction to the subject taking a clear structural framework it guides the reader through the subject s core elements a flowing writing style combines with the use of illustrations and diagrams throughout the text to ensure the reader understands even the most complex of concepts this succinct and enlightening overview is a required reading for all those interested in the subject we hope you find this book useful in shaping your future career business

learn how to speed up slow python code with concurrent programming and the cutting edge asyncio library use coroutines and tasks alongside async await syntax to run code concurrently build web apis and make concurrency web requests with aio run thousands of sql queries concurrently create a map reduce job that can process gigabytes of data concurrently use threading with asyncio to mix blocking code with asyncio code python is flexible versatile and easy to learn it can also be very slow compared to lower level languages python concurrency with asyncio teaches you how to boost python s performance by applying a variety of concurrency techniques you ll learn how the complex but powerful asyncio library can achieve concurrency with just a single thread and use asyncio s apis to run multiple web requests and database queries simultaneously the book covers using asyncio with the entire python concurrency landscape including multiprocessing and multithreading about the technology it s easy to overload standard python and watch your programs slow to a crawl th e asyncio library was built to solve these problems by making it easy to divide and schedule tasks it seamlessly handles multiple operations concurrently leading to apps that are lightning fast and scalable about the book python concurrency with asyncio introduces asynchronous parallel and concurrent programming through hands on python examples hard to grok concurrency topics are broken down into simple flowcharts that make it easy to see how your tasks are running you ll learn how to overcome the limitations of python using asyncio to speed up slow web servers and microservices you ll even combine asyncio with traditional multiprocessing techniques for huge improvements to performance what s inside build web apis and make concurrency web requests with aio run thousands of sql queries concurrently create a map reduce job that can process gigabytes of data concurrently use threading with asyncio to mix blocking code with asyncio code about the reader for intermediate python programmers no previous experience of concurrency required about the author matthew fowler has over 15 years of software engineering experience in roles from architect to engineering director table of contents 1 getting to know asyncio 2 asyncio basics 3 a first asyncio application 4 concurrent web requests 5 non blocking database drivers 6 handling cpu bound work 7 handling blocking work with threads 8 streams 9 applications 10 microservices 11 synchronization 12 asynchronous queues 13 managing subprocesses 14 advanced asyncio

building complete e commerce shopping cart application key features follow best practices and explore techniques such as clustering and caching to achieve a reactive scalable web service leverage the net framework to quickly implement restful endpoints learn to implement a client library for a restful web service using asp net core book description rest is an architectural style that tackles the challenges of building scalable web services in today s connected world apis have taken a central role on the web apis provide the fabric through which systems interact and rest has become synonymous with apis the depth breadth and ease of use of asp net core makes it a breeze for developers to work with for building robust web apis this book takes you through the design of restful web services and leverages the asp net core framework to implement these services this book begins by introducing you to the basics of the

philosophy behind rest you ll go through the steps of designing and implementing an enterprise grade restful web service this book takes a practical approach that you can apply to your own circumstances this book brings forth the power of the latest net core release working with mvc later you will learn about the use of the framework to explore approaches to tackle resilience security and scalability concerns you will explore the steps to improve the performance of your applications you ll also learn techniques to deal with security in web apis and discover how to implement unit and integration test strategies by the end of the book you will have a complete understanding of building a client for restful web services along with some scaling techniques what you will learn add basic authentication to your restful api create a carts controller and orders controller to manage and process orders intercept http requests and responses by building your own middleware test service calls using postman and advanced rest client secure your data application using annotations who this book is for this book is intended for those who want to learn to build restful web services with the latest net core framework to make best use of the code samples included in the book you should have a basic knowledge of c and net core

Getting the books **Aspnet Web Api Build Restful Web Applications And Services On The Net Framework** now is not type of inspiring means. You could not without help going gone ebook heap or library or borrowing from your associates to gate them. This is an utterly easy means to specifically acquire guide by on-line. This online proclamation Aspnet Web Api Build Restful Web Applications And Services On The Net Framework can be one of the options to accompany you next having additional time. It will not waste your time. say yes me, the e-book will definitely impression you additional issue to read. Just invest tiny get older to admission this on-line broadcast **Aspnet Web Api Build Restful Web Applications And Services On The Net Framework** as competently as review them wherever you are now.

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