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ASP.NET Core *Learn ASP.NET Core 3.1 - Full Course for Beginners [Tutorial]* How to Call External API in C# *Paging in ASP.NET Core Web API* **Asp Net Web Api With**

ASP.NET Web APIs REST APIs with .NET and C# ASP.NET makes it easy to build services that reach a broad range of clients, including browsers and mobile devices. With ASP.NET you use the same framework and patterns to build both web pages and services, side-by-side in the same project.

## **ASP.NET Web APIs | Rest API's with .NET and C#**

Let's take a look at a simple example of Web API by creating a new ASP.NET Web Application. Step 1 ? Open the Visual Studio and click File ? New ? Project menu option. A new Project dialog opens. Step 2 ? From the left pane, select Templates ? Visual C# ? Web. Step 3 ? In the middle pane, select ASP.NET Web Application

## **ASP.NET MVC - Web API - Tutorialspoint**

ASP.NET Web API is a framework for building HTTP services that can be accessed from any client including browsers and mobile devices. It is an ideal platform for building RESTful applications on the .NET Framework. These Web API tutorials will help you learn the essentials of ASP.NET Web API starting from the basics to advanced level.

## **ASP.NET Web API Tutorials**

Web API is an application programming interface (API) that is used to enable communication or interaction with software components with each other. ASP.NET Web API is a framework that makes it easy to build HTTP Service that reaches a broad range of clients, including browsers and mobile devices.

## **Create Simple Web API In ASP.NET MVC**

Knowing the architecture for ASP.NET Core 2.1 Web API solutions may help broaden your understanding. The solution and all code from this article's examples can be found in my GitHub repository .

## **How to Test ASP.NET Core Web API - InfoQ**

ASP.NET Web API is built on top of ASP.NET and supports ASP.NET request/response pipeline ASP.NET Web API maps HTTP verbs to method names. ASP.NET Web API supports different formats of response data. Built-in support for JSON, XML, BSON format. ASP.NET Web API can be hosted in IIS, Self-hosted or other web server that supports .NET 4.0+.

## **What is Web API? - TutorialTeacher**

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The next step is building an ASP.NET Core Web API application and adding Swagger support to it. We have explained the process of creating an ASP.NET Core Web API project in detail in our ASP.NET Core Web API - Creating a New Project article section. By following through the article, we can create a RESTful service using ASP.NET Core Web API.

## Deploying ASP.NET Core Web API to Azure API Apps - Code Maze

Web Sockets needs to be turned on if SignalR is being used. Once we have made the changes, go ahead and click on the Save button. What About Deploying The Web API To Azure? The next job is to get the application from our ASP.NET Core Web API repository in Azure Devops, and deploy it to Azure.

## Configure a SQL Server Database & ASP.NET Core Web API in ...

ASP.NET Web API is a framework for building HTTP services that can be accessed from various clients, such as browsers and mobile devices. ASP.NET Web API was introduced as part of ASP.NET MVC 4; however, it has its origins in WCF as WCF Web API. This new HTTP service model is simple to develop and c

## ASP.NET Web API - CodeProject

Versioning in ASP.NET Core Web API is easy and simple to implement. We can make use of the NuGet package Microsoft.AspNetCore.Mvc.Versioning to achieve the same. Though there are a number of ways to achieve API versioning I personally prefer URL based versioning as that avoids extra api-version parameter in querystring and HTTP header both.

## Web API Versioning in ASP.NET Core 3.1 | Pro Code Guide

We are going to look at how you can set up a Blazor Wasm and ASP.NET Core Web API in Azure Devops. Both our Blazor Wasm and ASP.NET Core Web API already have a local Git repository set up, so it will be a case of setting up a remote origin and pushing the changes up to Azure Devops.

## Setup Your Blazor Wasm and ASP.NET Core Web API in Azure ...

ASP.NET Core provides many improvements over the ASP.NET MVC/Web API. Firstly, it is now one framework and not two. I really like it because it is convenient and there is less confusion.

## Tutorial: Building an ASP.NET Web API with ASP.NET Core ...

If not, see Getting Started with ASP.NET Web API. Start Visual Studio and create a new ASP.NET Web Application (.NET Framework) project. In the New ASP.NET Web Application dialog box, select the Empty project template. Under Add folders and core references for, select the Web API checkbox.

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## Enabling Cross-Origin Requests in ASP.NET Web API 2 ...

A Web API is an application programming interface for either a web server or a web browser. It is a web development concept, usually limited to a web application's client-side (including any web frameworks being used), and thus usually does not include web server or browser implementation details such as SAPIs or APIs unless publicly accessible by a remote web application.

## Web API - Wikipedia

(Redirected from ASP.NET Web API) The ASP.NET MVC is a discontinued web application framework developed by Microsoft, which implements the model-view-controller (MVC) pattern. It is open-source software, apart from the ASP.NET Web Forms component which is proprietary.

Practical ASP.NET Web API provides you with a hands-on and code-focused demonstration of the ASP.NET Web API in action. From the very beginning, you'll be writing working code in order to see best practices and concepts in action. As the book progresses, the concepts and code will become more sophisticated. Beginning with an overview of the web service model in general and Web API in particular, you'll progress quickly to a detailed exploration of the request binding and response formatting that lie at the heart of Web API. You'll investigate various scenarios and see how they can be manipulated to achieve the results you need. Later in the book more sophisticated themes will be introduced that will set your applications apart from the crowd. You'll learn how you can validate the request messages on arrival, how you can create loosely coupled controllers, extend the pipeline processing to compartmentalize your code for security and unit testing before being put onto a live hosting server. What you'll learn What ASP.NET Web API is and how it can be used effectively Ways to optimize your code for readability and performance What controller dependencies are and why they matter How to maintain robust security across your projects Reliable best-practices for using Web API in a professional context Who this book is for The book is ideal for any .NET developer who wants to learn how the ASP.NET Web API framework works in a realistic setting. A good working knowledge of C# and the .NET framework and a familiarity with Visual Studio are the only pre-requisites to benefit from this book Table of Contents Building a Basic Web API Debugging HTTP Formatting CLR Objects into HTTP Response Customizing Response Binding HTTP Request into CLR Objects Validating Request Managing Controller Dependencies Extending Pipeline Hosting ASP.NET Web API Securing ASP.NET Web API Consuming ASP.NET Web API Building Performant Web API

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Leverage ASP.Net Web 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 Web 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 (Web API) and have played around with previous ASP.NET Web 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 & Web 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 Web API implementations Develop a secure Web API interface Deploy Web 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 (Web API), it will become easier than ever to build secure HTTP services that can be used from any client. Mastering ASP.NET Web API starts with the building blocks of the ASP.NET Core, then gradually moves on to implementing various HTTP routing strategies in the Web API. We then focus on the key components of building applications that employ the Web 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 Web 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 Web 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 (Web API) framework.

Pro ASP.NET Web API shows you how to build flexible, extensible web services that run seamlessly on a range of operating systems and devices, from desktops to tablets to smart phones—even the ones we don't know today. ASP.NET Web API is a new framework designed to simplify web service architecture. So if you're tired of interoperability issues between inflexible web services and clients tied to specific

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platforms or programming languages, or if you've ever struggled with WCF, this book is for you. To start with, you'll get up to speed on Web API's modern HTTP programming model, REST and your hosting options. You'll then dive into building a real application over a series of three chapters, so you can get an immediate feel for how this technology works in practice. The second half of the book features dedicated chapters on topics like routing, controllers, validation and tracing, and the authors close with discussions on performance, hosting and an all-important look at unit testing to help you prepare your application for the real world. ASP.NET Web API makes HTTP a first-class citizen of .NET. With Pro ASP.NET Web API, you can build HTTP-based web services for your company or business, expose your data to the world across different formats and devices and gain the best possible global reach for your application.

ASP.NET Web API is a key part of ASP.NET MVC 4 and the platform of choice for building RESTful services that can be accessed by a wide range of devices. Everything from JavaScript libraries to RIA plugins, RFID readers to smart phones can consume your services using platform-agnostic HTTP. With such wide accessibility, securing your code effectively needs to be a top priority. You will quickly find that the WCF security protocols you're familiar with from .NET are less suitable than they once were in this new environment, proving themselves cumbersome and limited in terms of the standards they can work with. Fortunately, ASP.NET Web API provides a simple, robust security solution of its own that fits neatly within the ASP.NET MVC programming model and secures your code without the need for SOAP, meaning that there is no limit to the range of devices that it can work with - if it can understand HTTP, then it can be secured by Web API. These SOAP-less security techniques are the focus of this book.

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 Web API. It sets aside much of what the ASP.NET MVC Framework can do, and focuses exclusively on how the Web 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 Web API: Building a REST Service from Start to Finish helps you build cutting-edge REST services using ASP.NET MVC 4 and the Web 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 Web 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.

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Take the security of your ASP.NET Web API to the next level using some of the most amazing security techniques around About This Book This book has been completely updated for ASP.NET Web API 2.0 including the new features of ASP.NET Web API such as Cross-Origin Resource Sharing (CORS) and OWIN self-hosting Learn various techniques to secure ASP.NET Web API, including basic authentication using authentication filters, forms, Windows Authentication, external authentication services, and integrating ASP.NET's Identity system An easy-to-follow guide to enable SSL, prevent Cross-Site Request Forgery (CSRF) attacks, and enable CORS in ASP.NET Web API Who This Book Is For This book is intended for anyone who has previous knowledge of developing ASP.NET Web API applications. Good working knowledge and experience with C# and .NET Framework are prerequisites for this book. What You Will Learn Secure your web API by enabling Secured Socket Layer (SSL) Manage your application's user accounts by integrating ASP.NET's Identity system Ensure the security of your web API by implementing basic authentication Implement forms and Windows authentication to secure your web API Use external authentication such as Facebook and Twitter to authenticate a request to a web API Protect your web API from CSRF attacks Enable CORS in your web API to explicitly allow some cross-origin requests while rejecting others Fortify your web API using OAuth2 In Detail This book incorporates the new features of ASP.NET Web API 2 that will help you to secure an ASP.NET Web API and make a well-informed decision when choosing the right security mechanism for your security requirements. We start by showing you how to set up a browser client to utilize ASP.NET Web API services. We then cover ASP.NET Web API's security architecture, authentication, and authorization to help you secure a web API from unauthorized users. Next, you will learn how to use SSL with ASP.NET Web API, including using SSL client certificates, and integrate the ASP.NET Identity system with ASP.NET Web API. We'll show you how to secure a web API using OAuth2 to authenticate against a membership database using OWIN middleware. You will be able to use local logins to send authenticated requests using OAuth2. We also explain how to secure a web API using forms authentication and how users can log in with their Windows credentials using integrated Windows authentication. You will come to understand the need for external authentication services to enable OAuth/OpenID and social media authentication. We'll then help you implement anti-Cross-Site Request Forgery (CSRF) measures in ASP.NET Web API. Finally, you will discover how to enable Cross-Origin Resource Sharing (CORS) in your web API application. Style and approach Each chapter is dedicated to a specific security technique, in a task-based and easy-to-follow way. Most of the chapters are accompanied with source code that demonstrates the step-by-step guidelines of implementing the technique, and includes an explanation of how each technique works.

Web API 2 is the latest evolution of Microsoft's web services toolkit, which allows the creation of

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RESTful applications built on the ASP.NET platform. It provides a standards-based approach and a high-productivity development model that makes it easy to deliver services to a wide-range of clients, including mobile devices. This book puts Web API into context for the experienced MVC Framework developer and dives deep into the tools and techniques required to build Web API applications that integrate with the MVC Framework and shows you how to create single-page applications to consume them. Best-selling author Adam Freeman explains how to get the most from Web API 2 by building on the foundation of the MVC Framework and the ASP.NET platform. 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.

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.

Build powerful HTTP services and make the most of the ASP.NET Web API platform  
About This Book\*Get a comprehensive analysis of the latest specification of ASP.NET MVC 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 Web 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 AngularJS 2 and Bootstrap  
Who This Book Is For  
This book is for .Net developers who know ASP.NET MVC and have played around with ASP.NET Web 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 MVC 6's Web API\*Explore OWIN and Project Katana\*Optimize Web API implementations\*Develop a secure Web API interface\*Deploy Web API projects to various platforms\*Ensure your web application based on Angular 2 and Bootstrap flourishes\*Implement and explore the current trends in service architecture  
In Detail  
With ASP.NET MVC 6, Microsoft is unifying their main web development platforms. This unification will help develop web applications using various pieces of the ASP.NET platform as per the requirements of the developers. Mastering ASP.NET Web API starts with the building blocks of the MVC 6 Web API, then gradually moves on to implementing various HTTP routing strategies in Web API. We then focus on the key components of building applications that employ Web API such as OWIN and Project Katana. Finally, we explore how Web API can be consumed in a browser as well as by mobile applications by utilizing Angular 2 and Bootstrap. By the end of this book, you will be able to apply best practices to develop complex front-end applications and deploy these applications to a modern hosting infrastructure.



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Get up to speed with the latest features of C# 8, ASP.NET Core 3 and .NET Core 3.1 LTS to create robust and maintainable web services Key Features Apply design patterns and techniques to achieve a reactive, scalable web service Document your web services using the OpenAPI standard and test them using Postman Explore mechanisms to implement a secure web service using client-side SSL and token authentication Book Description In recent times, web services have evolved to play a prominent role in web development. Applications are now designed to be compatible with any device and platform, and web services help us keep their logic and UI separate. Given its simplicity and effectiveness in creating web services, the RESTful approach has gained popularity, and this book will help you build RESTful web services using ASP.NET Core. This REST book begins by introducing you to the basics of the REST philosophy, where you'll study the different stages of designing and implementing enterprise-grade RESTful web services. You'll also gain a thorough understanding of ASP.NET Core's middleware approach and learn how to customize it. The book will later guide you through improving API resilience, securing your service, and applying different design patterns and techniques to achieve a scalable web service. In addition to this, you'll learn advanced techniques for caching, monitoring, and logging, along with implementing unit and integration testing strategies. In later chapters, you will deploy your REST web services on Azure and document APIs using Swagger and external tools such as Postman. By the end of this book, you will have learned how to design RESTful web services confidently using ASP.NET Core with a focus on code testability and maintainability. What you will learn Gain a comprehensive working knowledge of ASP.NET Core Integrate third-party tools and frameworks to build maintainable and efficient services Implement patterns using dependency injection to reduce boilerplate code and improve flexibility Use ASP.NET Core's out-of-the-box tools to test your applications Use Docker to run your ASP.NET Core web service in an isolated and self-contained environment Secure your information using HTTPS and token-based authentication Integrate multiple web services using resiliency patterns and messaging techniques Who this book is for This book is for anyone who wants to learn how to build RESTful web services with the ASP.NET Core framework to improve the scalability and performance of their applications. Basic knowledge of C# and .NET Core will help you make the best use of the code samples included in the book.

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