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Intro to WebAPI - One of the most powerful project types in C#

ASP.NET Web API Tutorial for
Beginners | ASP.NET Web API Crash Course 2020

Web API CRUD Operations Using Asp Net
MVC and Entity Framework

How To Call An API in C# - Examples, Best Practices, Memory
Management, and Pitfalls

.NET Core 3.1 MVC REST API - Full Course

Creating a WebAPI with
Authentication - A TimCo Retail Manager Video

Web API in MVC 5 project | mvc tutorial
for beginners in .net c# | MVC By Nitish C# ASP.NET Web API 2.2 made easy using a Project -
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
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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. Select the ASP.NET Core Web Application template and click Next. Name the project TodoApi and click Create. In the Create a new ASP.NET Core Web Application dialog, confirm that .NET Core and ASP.NET Core 5.0 are selected. Select the API template and click Create. Open the integrated terminal.

Tutorial: Create a web API with ASP.NET Core | Microsoft Docs

ASP.NET Web API is very much similar to ASP.NET MVC because it contains the ASP.NET MVC feature like routing, controllers, action results, filter, model, etc. Note ASP.NET Web API is not a part of MVC framework. It is a part of the core ASP.NET. You can use Web API with ASP.NET MVC or any other type of web application. You can also create a stand-alone service using the Web API.

Getting Started With Web API With Sample Application

Create web APIs with ASP.NET Core. 07/20/2020; 10 minutes to read +3; In this article. By Scott Addie and Tom Dykstra. ASP.NET Core supports creating RESTful services, also known as web APIs, using C#. To handle requests, a web API uses controllers. Controllers in a web API are classes that derive from ControllerBase. This article shows how to ...
Asp.net Web API Get Method Example in Asp.net Core C#

Asp.Net Web API: Asp.Net MVC: 1. Asp.Net Web API is used for generating the HTTP services that respond only as data. Asp.Net MVC can use the MVC for developing the Web application that replies view and data. 2. The Web API returns the data in various formats, such as JSON, XML and other formats based on the accept header of the request.

WEB API Tutorial - Tutorial And Example

Web API 2; See Create a web API with ASP.NET Core and Visual Studio for Windows for a newer version of this tutorial. Create a Web API Project. In this tutorial, you will use ASP.NET Web API to create a web API that returns a list of products. The front-end web page uses jQuery to display the results.

Get Started with ASP.NET Web API 2 (C#) - ASP.NET 4.x ...

Web API Controller Characteristics. It must be derived from System.Web.Http.ApiController class.; It can be created under any folder in the project's root folder. However, it is recommended to create controller classes in the Controllers folder as per the convention.
Action method name can be the same as HTTP verb name or it can start with HTTP verb with any suffix (case-insensitive) or you can use custom suffix...
Firstly, it is now one framework and not two. I really like it because it is convenient and there ...

To find the controller, Web API adds "Controller" to the value of the {controller} variable. To find the action, Web API looks at the HTTP verb, and then looks for an action whose name begins with that HTTP verb name. For example, with a GET request, Web API looks for an action prefixed with "Get", such as "GetContact" or "GetAllContacts".

Routing in ASP.NET Web API | Microsoft Docs

Attribute Routing Route Prefix Web API. In this article, I am going to discuss the Attribute Routing Route Prefix in Web API with some examples. We are going to work with the same example that we started in Web API Attribute Routing article and continue in Optional Parameters in Web API Attribute Routing article of this Web API article series. At the end of this article, you will understand ...

Create a Documentation Page for ASP.NET Web API – 7-9. Add Custom Samples to ASP.NET Web API Help Page – 7-10. Add Filters Information to ASP.NET Web API Help Page – 7-11. Support Data Annotations in ASP.NET Web API Help Page; Chapter 8: Cross Domain and Push Communication – 8-1 Use JSONP in ASP.NET Web API – 8-2 Use CORS in ASP.NET ...
ASP.NET Web API, similar to ASP.NET MVC 4, has great flexibility in terms of separating the service layer from the controllers allowing you to use several of the available Dependency Injection frameworks fairly easy.

Build RESTful APIs with ASP.NET Web API - ASP.NET 4.x...

There are also a few minor differences that we'll see here. In .Net Core, Microsoft has merged these both frameworks (ASP.NET MVC & ASP.NET Web API) into a single framework. Restful Convention. So you know what http services and web api are, here we'll develop an application which supports a few different kinds of requests.

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 Web API Framework raised the bar to a whole new level. Now in release version 2.1, the Web 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 Web API 2 Framework to build world-class REST services. New content in this edition includes: New capabilities in Web 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 Web Tokens, CORS, CSRF. Get ready for authors...
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...

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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 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...
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Design and build Web APIs for a broad range of clients—including browsers and mobile devices—that can adapt to change over time. This practical, hands-on guide takes you through the theory and tools you need to build evolvable HTTP services with Microsoft's ASP.NET Web API framework. In the process, you'll learn how design and implement a real-world Web API. Ideal for experienced .NET developers, this book's sections on basic Web API theory and design also apply to developers who work with other development stacks such as Java, Ruby, PHP, and Node. Dig into HTTP essentials, as well as API development concepts and styles Learn ASP.NET Web API fundamentals, including the lifecycle of a request as it travels through the framework Design the Issue Tracker API example, exploring topics such as hypermedia support with collection+json Use behavioral-driven development with ASP.NET Web API to implement and enhance the application Explore techniques for building clients that are resilient to change, and make it easy to consume hypermedia APIs Get a comprehensive reference on how ASP.NET Web API works under the hood, including security and testability

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.

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.

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

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.
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.

ASP.Net Web API 2.1 is the latest Microsoft technology which comes with ASP.Net MVC 4.0 onwards and it enables you to build restful, http-based services, which can be consumed by a variety of clients. In this guide you will learn step-by-step the techniques of using web api framework to create api services, it has lots of coding examples to explain the concepts and features of web api. It covers api controllers, api routing, data formats like json, xml, Bson
Use ASP.NET Core 2 to create durable and cross-platform web APIs through a series of applied, practical scenarios. Examples in this book help you build APIs that are fast and scalable. You'll progress from the basics of the framework through to solving the complex problems encountered in implementing secure RESTful services. The book is packed full of examples showing how Microsoft's ground-up rewrite of ASP.NET Core 2 enables native cross-platform applications that are fast and modular, allowing your cloud-ready server applications to scale as your business grows. Major topics covered in the book include the fundamentals and core concepts of ASP.NET Core 2. You'll learn about building RESTful APIs with the MVC pattern using proven best practices and following the six principles of REST. Examples in the book help in learning to develop world-class web APIs and applications that can run on any platform, including Windows, Linux, and MacOS. You can even deploy to Microsoft Azure and automate your delivery by implementing Continuous Integration and Continuous Deployment pipelines.

What You Will Learn
- Incorporate automated API tooling such as Swagger from the OpenAPI specification
- Standardize query and response formats