

Restful Web Api Design With Node Js Second Edition

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Intro to WebAPI - One of the most powerful project types in C#Effective Design of RESTful APIs **REST API concepts and examples** Java API | Developing Restful APIs | Rest API In Java | Java Tutorial | Java Training | Edureka The never-ending REST API design debate by Guillaume Laforge **API Design with Swaggerhub React JS REST API Tutorial - Create a books app in React JS** Understand the Difference Between SOAP and REST APIs **What is an API and how do you design it?** GOTO 2019 • Practical API Design • Ronnie Mitra **APIs for Beginners - How to use an API (Full Course / Tutorial)** REST vs SOAP - What is the difference? | Tech Primers **What is an API? - Application Programming Interface** Nate Barbattini - API Throwdown: RPC vs REST vs GraphQL, Iterate 2018 **What is an API Gateway? Step by Step Tutorial** - .NET Core MVC REST API Web APIs You [Probably] Didn't Know Existed **REST API concepts, examples and Interview Questions Rest API | Web Service Tutorial** Build a Rest API with the Django REST Framework

10 Best Practices For Developing An API**The Art of Web API Design REST API Design with Brian Stetton Modeling RESTful API Resources REST API Design and Development** Restful Web API Design With
A well-designed web API should aim to support: Platform independence. Any client should be able to call the API, regardless of how the API is implemented internally. This requires using standard protocols, and having a mechanism whereby the client and the web service can agree on the format of the data to exchange.

API design guidance - Best practices for cloud ...
RESTful APIs have various methods to indicate the type of operation we are going to perform with this API - GET - To get a resource or collection of resources. POST - To create a resource or collection of resources. PUT/PATCH - To update the existing resource or collection of resources.

RESTful API Design - Step By Step Guide | Hacker Noon
The very first step in designing a REST API based application is - identifying the objects which will be presented as resources. For a network-based application, object modeling is pretty much more straightforward. There can be many things such as devices, managed entities, routers, modems, etc.

How to design a REST API - REST API Tutorial
REST Web Services API Design. API. December 8, 2020 Derby Jessica. Application programming interface (API) related issue: Just wanted to get feedback on how I am planning to architect my API. Dummy methods below. Here's the structure:

REST Web Services API Design - DNMTechs - Share and store ...
A typical design pattern with REST APIs is to build your endpoints around resources. These are the "nouns" to HTTP method verbs. Your API design will be much easier to understand if these names are descriptive. For example, if you're working on a cookbook API, you might include the following endpoint:

API Design Patterns | RESTful API Web Services Design ...
REST or RESTful API design (Representational State Transfer) is designed to take advantage of existing protocols. While REST can be used over nearly any protocol, it usually takes advantage of HTTP when used for Web APIs. This means that developers do not need to install libraries or additional software in order to take advantage of a REST API design.

What is REST API design? | MuleSoft
This is a point of API design with a REST-like system where you can decide how much or how little to include in your responses. This is a much larger topic than we can cover, but note that although we are making one choice, each application will need to consider their own trade-offs. Getting all comments by a user We are going to fetch all comments made by a particular user, but just fetching ...

This is a point of API design with a REST like system ...
A RESTful design improves API performance, reduces development efforts and decreases the necessary operational support through the development of web applications, web services and web APIs. With proven RESTful constraints, teams may create scalable, omnipresent, prolific systems.

REST web services and APIs: How a RESTful design can help ...
Restful Web Services is a lightweight, maintainable, and scalable service that is built on the REST architecture. Restful Web Service, expose API from your application in a secure, uniform, stateless manner to the calling client. The calling client can perform predefined operations using the Restful service.

RESTful Web Services Tutorial with REST API Example
The API is an interface, through which many developers interact with the data. A good designed API is always very easy to use and makes the developer's life very smooth. API is the GUI for developers, if it is confusing or not verbose, then the developer will start finding the alternatives or stop using it.

RESTful API Designing guidelines - The best practices ...
Too many APIs are just built on an as-needed basis. In this course, Designing RESTful Web APIs, you will design your API to meet your needs before you embark on implementing the service. First, you will explore the design philosophies of creating an API on top of REST without the dogma. Next, you will discover how to design APIs to take URIs, verbs, message bodies, versioning and security into account.

Course on Designing RESTful Web APIs | Pluralsight
RESTful Web API Design with Node.js 10: Learn to create robust RESTful web services with Node.js, MongoDB, and Express.js, 3rd Edition. \$29.99. (5) Available to ship in 1-2 days. Read more Read less.

RESTful Web API Design with Node.js - Second Edition ...
RESTful Web API Design with Node.js. If you are a web developer wanting to enrich your development skills to create scalable, server-side, RESTful applications based on the Node.js platform, this book is for you.

RESTful Web API Design with Node.js by Valentin Bojinov ...
A truly RESTful API looks like hypertext. Every addressable unit of information carries an address, either explicitly (e.g., link and id attributes) or implicitly (e.g., derived from the media type definition and representation structure). According to Roy Fielding:

What is REST - REST API Tutorial
Moesif is the most advanced REST API analytics platform used by Thousands of platformsto understand how your customers use your APIs and which filters they use most. Moesif has SDKs and plugins for popular API gateways such as Kong, Tykand more.

REST API Design: Filtering, Sorting, and Pagination ...
Node.js, with its asynchronous, event-driven architecture, is exactly the right choice to build RESTful APIs. This book will help you enrich your development skills to create scalable, server-side, RESTful applications based on the Node.js platform.

RESTful Web API Design with Node.js - Second Edition
A RESTful API is an architectural style for an application program interface (API) that uses HTTP requests to access and use data. That data can be used to GET, PUT, POST and DELETE data types, which refers to the reading, updating, creating and deleting of operations concerning resources.

The popularity of REST in recent years has led to tremendous growth in almost-RESTful APIs that don't include many of the architecture's benefits. With this practical guide, you'll learn what it takes to design usable REST APIs that evolve over time. By focusing on solutions that cross a variety of domains, this book shows you how to create powerful and secure applications, using the tools designed for the world's most successful distributed computing system: the World Wide Web. You'll explore the concepts behind REST, learn different strategies for creating hypermedia-based APIs, and then put everything together with a step-by-step guide to designing a Restful Web API. Examine API design strategies, including the collection pattern and pure hypermedia Understand how hypermedia ties representations together into a coherent API Discover how XMDP and ALPS profile formats can help you meet the Web API "semantic challenge" Learn close to two-dozen standardized hypermedia data formats Apply best practices for using HTTP in API implementations Create Web APIs with the JSON-LD standard and other the Linked Data approaches Understand the CoAP protocol for using REST in embedded systems

Looking for Best Practices for RESTful APIs? This book is for you! Why? Because this book is packed with practical experience on what works best for RESTful API Design. You want to design APIs like a Pro? Use API description languages to both design APIs and develop APIs efficiently. The book introduces the two most common API description languages RAML, OpenAPI, and Swagger. Your company cares about its customers? Learn API product management with a customer-centric design and development approach for APIs. Learn how to manage APIs as a product and how to follow an API-first approach. Build APIs your customers love! You want to manage the complete API lifecycle? An API development methodology is proposed to guide you through the lifecycle: API inception, API design, API development, API publication, API evolution, and maintenance. You want to build APIs right? This book shows best practices for REST design, such as the correct use of resources, URIs, representations, content types, data formats, parameters, HTTP status codes, and HTTP methods. Your APIs connect to legacy systems? The book shows best practices for connecting APIs to existing backend systems. Your APIs connect to a mesh of microservices? The book shows the principles for designing APIs for scalable, autonomous microservices. You expect lots of traffic on your API? The book shows you how to achieve high performance, availability and maintainability. You want to build APIs that last for decades? We study API versioning, API evolution, backward- and forward-compatibility and show API design patterns for versioning. The API-University Series is a modular series of books on API-related topics. Each book focuses on a particular API topic, so you can select the topics within APIs, which are relevant for you.

The basic rules of REST APIs - "many nouns, few verbs, stick with HTTP" - seem easy, but that simplicity and power require discipline to work smoothly. This brief guide provides next steps for implementing complex projects on simple and extensible foundations.

Design and implement efficient RESTful solutions with this practical hands-on guide About This Book Create a fully featured RESTful API solution from scratch. Learn how to leverage Node.JS, Express, MongoDB and NoSQL datastores to give an extra edge to your REST API design. Use this practical guide to integrate MongoDB in your Node.js application. Who This Book Is For The ideal target audience for this book is web developers who have some experience with RESTful services. Familiarity with basic JavaScript programming techniques is required. No prior experience with Node.JS or Express.js is required. What You Will Learn Install, develop, and test your own Node.js user modules Comprehend the differences between an HTTP and a RESTful application Optimize RESTful service URI routing with best practices Eliminate third-party dependencies in your tests with mocking Learn about NoSQL data stores and integrate MongoDB in your Node.js application with Mongoose Secure your services with NoSQL database integration within Node.js applications Enrich your development skills to create scalable, server-side, RESTful applications based on the Node.js platform In Detail In this era of cloud computing, every data provisioning solution is built in a scalable and fail-safe way. Thus, when building RESTful services, the right choice for the underlying platform is vital. Node.js, with its asynchronous, event-driven architecture, is exactly the right choice to build RESTful APIs. This book will help you enrich your development skills to create scalable, server-side, RESTful applications based on the Node.js platform. Starting with the fundamentals of REST, you will understand why RESTful web services are better data provisioning solution than other technologies. You will start setting up a development environment by installing Node.js, Express.js, and other modules. Next, you will write a simple HTTP request handler and create and test Node.js modules using automated tests and mock objects. You will then have to choose the most appropriate data storage type, having options between a key/value or document data store, and also you will implement automated tests for it. This module will evolve chapter by chapter until it turns into a full-fledged and secure Restful service. Style and approach Create state of the art RESTful API solutions leveraging Node.JS 4.x.

Design and implement scalable and maintainable RESTful solutions with Node.js 10 Key Features Create rich and scalable RESTful API solutions from scratch Explore the new features of Node.js 10, Express 4.0, and MongoDB Integrate MongoDB in your Node.js application to store and secure your data Book Description When building RESTful services, it is really important to choose the right framework. Node.js, with its asynchronous, event-driven architecture, is exactly the right choice for building RESTful APIs. This third edition of RESTful Web API Design with Node.js 10 will teach you to create scalable and rich RESTful applications based on the Node.js platform. You will be introduced to the latest NPM package handler and understand how to use it to customize your RESTful development process. You will begin by understanding the key principle that makes an HTTP application a RESTful-enabled application. After writing a simple HTTP request handler, you will create and test Node.js modules using automated tests and mock objects; explore using the NoSQL database, MongoDB, to store data; and get to grips with using self-descriptive URIs. You'll learn to set accurate HTTP status codes along with understanding how to keep your applications backward-compatible. Also, while implementing a full-fledged RESTful service, you will use Swagger to document the API and implement automation tests for a REST-enabled endpoint with Mocha. Lastly, you will explore some authentication techniques to secure your application. What you will learn Install, develop, and test your own Node.js user modules Understand the differences between HTTP and RESTful applications Use self-descriptive URIs and set accurate HTTP status codes Eliminate third-party dependencies in your tests with mocking Implement automation tests for a REST-enabled endpoint with Mocha Secure your services with NoSQL database integration within Node.js applications Integrate a simple frontend using JavaScript libraries available on a CDN server Who this book is for If you are a web developer keen to enrich your development skills to create server-side RESTful applications based on the Node.js platform, this book is for you. Some knowledge of REST would be an added advantage, but is definitely not a necessity.

Web APIs are everywhere, giving developers an efficient way to interact with applications, services, and data. Well-designed APIs are a joy to use; poorly-designed APIs are cumbersome, confusing, and frustrating. The Design of Web APIs is a practical, example packed guide to crafting extraordinary web APIs. Author Arnaud Laurent demonstrates fantastic design principles and techniques you can apply to both public and private web APIs. Purchase of the print book includes a free ebook in PDF, Kindle, and ePub formats from Manning Publications.

REST architecture (style) is a pivot of distributed systems, simplify data integration amongst modern and legacy applications leverages through the RESTful paradigm. This book is fully loaded with many RESTful API patterns, samples, hands-on implementations and also discuss the capabilities of many REST API frameworks for Java, Scala, Python and Go

Using a web API to provide services to application developers is one of the more satisfying endeavors that software engineers undertake. But building a popular API with a thriving developer ecosystem is also one of the most challenging. With this practical guide, developers, architects, and tech leads will learn how to navigate complex decisions for designing, scaling, marketing, and evolving interoperable APIs. Authors Brenda Jin, Saurabh Sahni, and Amir Shevat explain API design theory and provide hands-on exercises for building your web API and managing its operation in production. You'll also learn how to build and maintain a following of app developers. This book includes expert advice, worksheets, checklists, and case studies from companies including Slack, Stripe, Facebook, Microsoft, Cloudinary, Oracle, and GitHub. Get an overview of request-response and event-driven API design paradigms Learn best practices for designing an API that meets the needs of your users Use a template to create an API design process Scale your web API to support a growing number of API calls and use cases Regularly adapt the API to reflect changes to your product or business Provide developer resources that include API documentation, samples, and tools

"Every developer working with the Web needs to read this book." -- David Heinemeier Hansson, creator of the Rails framework "RESTful Web Services finally provides a practical roadmap for constructing services that embrace the Web, instead of trying to route around it." -- Adam Trachtenberg, PHP author and eBay Web Services Evangelist You've built web sites that can be used by humans. But can you also build web sites that are usable by machines? That's where the future lies, and that's what RESTful Web Services shows you how to do. The World Wide Web is the most popular distributed application in history, and Web services and mashups have turned it into a powerful distributed computing platform. But today's web service technologies have lost sight of the simplicity that made the Web successful. They don't work like the Web, and they're missing out on its advantages. This book puts the "Web" back into web services. It shows how you can connect to the programmable web with the technologies you already use every day. The key is REST, the architectural style that drives the Web. This book: Emphasizes the power of basic Web technologies -- the HTTP application protocol, the URI naming standard, and the XML markup language Introduces the Resource-Oriented Architecture (ROA), a common-sense set of rules for designing RESTful web services Shows how a RESTful design is simpler, more versatile, and more scalable than a design based on Remote Procedure Calls (RPC) Includes real-world examples of RESTful web services, like Amazon's Simple Storage Service and the Atom Publishing Protocol Discusses web service clients for popular programming languages Shows how to implement RESTful services in three popular frameworks -- Ruby on Rails, Restlet (for Java), and Django (for Python) Focuses on practical issues: how to design and implement RESTful web services and clients This is the first book that applies the REST design philosophy to real web services. It sets down the best practices you need to make your design a success, and the techniques you need to turn your design into working code. You can harness the power of the Web for programmable applications: you just have to work with the Web instead of against it. This book shows you how.

APIs are transforming the business world at an increasing pace. Gain the essential skills needed to quickly design, build, and deploy quality web APIs that are robust, reliable, and resilient. Go from initial design through prototyping and implementation to deployment of mission-critical APIs for your organization. Test, secure, and deploy your API with confidence and avoid the "release into production" panic. Tackle just about any API challenge with more than a dozen open-source utilities and common programming patterns you can apply right away. Good API design means starting with the API-First principle - understanding who is using the API and what they want to do with it - and applying basic design skills to match customers' needs while solving business-critical problems. Use the Sketch-Design-Build method to create reliable and scalable web APIs quickly and easily without a lot of risk to the day-to-day business operations. Create clear sequence diagrams, accurate specifications, and machine-readable API descriptions all reviewed, tested, and ready to turn into fully-functional NodeJS code. Create reliable test collections with Postman and implement proper identity and access control security with Auth0-without added cost or risk to the company. Deploy all of this to Heroku using a continuous delivery approach that pushes secure, well-tested code to your public servers ready for use by both internal and external developers. From design to code to test to deployment, unlock hidden business value and release stable and scalable web APIs that meet customer needs and solve important business problems in a consistent and reliable manner.

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