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# Rest Api Design Rulebook

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Service-Oriented Computing

Understanding single-page web applications

Revised Core Rulebook

Building APIs That Developers Love

Pro RESTful APIs

The DevOps Handbook

14th International Conference, ICSSOC 2016,

Banff, AB, Canada, October 10-13, 2016,

Proceedings

Manage and Understand the Full Capabilities of

Successful REST Development

Kaws: He Eats Alone

Undisturbed Rest

Data Structures and Algorithms with JavaScript

Solutions for Improving Scalability and Simplicity

RESTful API Design

Designing Consistent RESTful Web Service

Interfaces

Learn REST APIs: Your Guide to how to Find,

Learn, and Connect to the REST APIs that Powers  
the Internet of Things Revolution.

Microsoft PowerShell, VBScript and JScript Bible

Using Psychology to Design Better Products &  
Services

REST API Design Rulebook

RESTful Web Services

Everyone and Their Dog Wants an API, So You

Should Probably Learn How to Build Them

Learning Node

Beyond Software Architecture

Hands-On RESTful API Design Patterns and Best Practices

A practical guide to creating, testing, and managing APIs for automated software testing

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Designing Consistent RESTful Web Service Interfaces

Services for a Changing World

REST API Development with Node.js

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**CODY MAYO**

Service-Oriented

Computing

Addison-

Wesley

Signature

Series

(Vernon)

Covers topics

including HTTP

methods and

status codes,

optimizing

proxies,

designing web

crawlers,

content negotiation, and load-balancing strategies.

**Understanding single-page web applications**

Andrews McMeel Publishing

This book constitutes the proceedings of the 14th International Conference on Service-Oriented Computing, ICSOC 2016, held in Banff, AB, Canada, in October 2016. The 30 full papers presented together with 18 short papers and 8

industrial papers in this volume were carefully reviewed and selected from 137 submissions. The selected papers covered important topics in the area of service-oriented computing, including foundational issues on service discovery and service-systems design, business process modelling and management, economics of service-systems

engineering, as well as services on the cloud, social networks, the Internet of Things (IoT), and data analytics.

*Revised Core Rulebook* API-University Press

Today, software engineers need to know not only how to program effectively but also how to develop proper engineering practices to make their codebase sustainable and healthy. This book emphasizes

this difference between programming and software engineering. How can software engineers manage a living codebase that evolves and responds to changing requirements and demands over the length of its life? Based on their experience at Google, software engineers Titus Winters and Hyrum Wright, along with technical writer Tom Manshreck, present a candid and

insightful look at how some of the world's leading practitioners construct and maintain software. This book covers Google's unique engineering culture, processes, and tools and how these aspects contribute to the effectiveness of an engineering organization. You'll explore three fundamental principles that software organizations should keep in mind when designing,

architecting, writing, and maintaining code: How time affects the sustainability of software and how to make your code resilient over time How scale affects the viability of software practices within an engineering organization What trade-offs a typical engineer needs to make when evaluating design and development decisions  
**Building APIs That Developers Love** "O'Reilly

Media, Inc." 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. Pro RESTful APIs "O'Reilly Media, Inc." 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 AuthO-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. [The DevOps Handbook](#) O'Reilly Media

Explore the world of APIs and learn how to integrate them with production-ready applications using Postman and the Newman CLI Key Features Learn the tenets of effective API testing and API design Gain an in-depth understanding of the various features Postman has to offer Know when and how to use Postman for creating high-quality APIs for software and web apps Book

<p>Description Postman enables the exploration and testing of web APIs, helping testers and developers figure out how an API works. With Postman, you can create effective test automation for any APIs. If you want to put your knowledge of APIs to work quickly, this practical guide to using Postman will help you get started. The book provides a hands-on approach to learning the implementatio</p>	<p>n and associated methodologies that will have you up and running with Postman in no time. Complete with step-by-step explanations of essential concepts, practical examples, and self-assessment questions, this book begins by taking you through the principles of effective API testing. A combination of theory coupled with real-world examples will help you learn how to use Postman to</p>	<p>create well-designed, documented, and tested APIs. You'll then be able to try some hands-on projects that will teach you how to add test automation to an already existing API with Postman, and guide you in using Postman to create a well-designed API from scratch. By the end of this book, you'll be able to use Postman to set up and run API tests for any API that you are working with.</p>
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What you will learn Find out what is involved in effective API testing Use data-driven testing in Postman to create scalable API tests Understand what a well-designed API looks like Become well-versed with API terminology, including the different types of APIs Get to grips with performing functional and non-functional testing of an API Discover how to use industry standards such as OpenAPI and mocking in Postman Who this book is for The book is for software testing professionals and software developers looking to improve product and API quality through API test automation. You will find this book useful if you understand APIs and want to build your skills for creating, testing, and documenting APIs. The book assumes beginner-level knowledge of JavaScript and API development.

*14th International Conference, ICSOC 2016, Banff, AB, Canada, October 10-13, 2016, Proceedings*  
O'Reilly Media  
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 Lauret 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.

**Manage and Understand the Full Capabilities of Successful REST**

**Development Pragmatic Bookshelf**

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 representation 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 **Kaws: He Eats Alone** John Wiley & Sons Winner of the 2012 Origins Award Pull up a chair and see how the world's top game designers roll. You want your games to be many things: Creative. Innovative. Playable. Fun. If you're a designer, add "published" to that list. The "Kobold Guide

to Board Game Design" gives you an insider's view on how to make a game that people will want to play again and again. Author Mike Selinker (Betrayal at House on the Hill) has invited some of the world's most talented and experienced game designers to share their secrets on game conception, design, development, and presentation. In these pages, you'll learn about

storyboarding, balancing, prototyping, and playtesting from the best in the business.

*Undisturbed Rest* "O'Reilly Media, Inc." Looking for the big picture of building APIs? This book is for you! Building APIs that consumers love should certainly be the goal of any API initiative.

However, it is easier said than done. It requires getting the architecture for your APIs right. This

book equips you with both foundations and best practices for API architecture.

This book is for you if you want to understand the big picture of API design and development, you want to define an API architecture, establish a platform for APIs or simply want to build APIs your consumers love. This book is NOT for you, if you are looking for a step-by step guide for building APIs, focusing on

every detail of the correct application of REST principles. In this case I recommend the book "API Design" of the API-University Series. What is API architecture? Architecture spans the bigger picture of APIs and can be seen from several perspectives: API architecture may refer to the architecture of the complete solution consisting not only of the API itself, but also of an API client such as

a mobile app and several other components. API solution architecture explains the components and their relations within the software solution. API architecture may refer to the technical architecture of the API platform. When building, running and exposing not only one, but several APIs, it becomes clear that certain building blocks of the API, runtime functionality and management functionality for the API need to be used over and over again. An API platform provides an infrastructure for developing, running and managing APIs. API architecture may refer to the architecture of the API portfolio. The API portfolio contains all APIs of the enterprise and needs to be managed like a product. API portfolio architecture analyzes the functionality of the API and organizes, manages and reuses the APIs. API architecture may refer to the design decisions for a particular API proxy. To document the design decisions, API description languages are used. We explain the use of API description languages (RAML and Swagger) on many examples. This book covers all of the above perspectives on API architecture. However, to become

useful, the architecture needs to be put into practice. This is why this book covers an API methodology for design and development. An API methodology provides practical guidelines for putting API architecture into practice. It explains how to develop an API architecture into an API that consumers love. A lot of the information on APIs is available on the web. Most

of it is published by vendors of API products. I am always a bit suspicious of technical information pushed by product vendors. This book is different. In this book, a product-independent view on API architecture is presented. 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. Data Structures and Algorithms with JavaScript "O'Reilly Media, Inc." REST API Design Rulebook "O'Reilly Media, Inc." *Solutions for Improving Scalability and Simplicity* Apress Manage and understand the full capabilities of successful REST development. REST API development is a hot topic in the programming

world, but not many resources exist for developers to really understand how you can leverage the advantages. This completely updated second edition provides a brief background on REST and the tools it provides (well known and not so well known), then explains how there is more to REST than just JSON and URLs. You will learn about the maintained modules

currently available in the npm community, including Express, Restify, Vatican, and Swagger. Finally you will code an example API from start to finish, using a subset of the tools covered. The Node community is currently flooded with modules; some of them are published once and never updated again - cluttering the entire universe of packages. Pro REST API Development

with Node.js shines light into that black hole of modules for the developers trying to create an API. Understand REST API development with Node.js using this book today. What You'll Learn Understand how REST and API development mix up with Node.js Create a scalable, technology agnostic, and uniform interface Prepare your services to be consumed by your clients

Test and deploy your API Review troubleshooting techniques Who This Book Is For Any Node.js developer who wants to fully understand REST API development. Beginner and Intermediate Node.js developers who are looking to fully understand how to create RESTful microservices. *RESTful API Design* Springer An understanding of psychology—specifically the psychology

behind how users behave and interact with digital interfaces—is perhaps the single most valuable non-design skill a designer can have. The most elegant design can fail if it forces users to conform to the design rather than working within the "blueprint" of how humans perceive and process the world around them. This practical guide explains how you can apply key principles in psychology to build

products and experiences that are more intuitive and human-centered. Author Jon Yablonski deconstructs familiar apps and experiences to provide clear examples of how UX designers can build experiences that adapt to how users perceive and process digital interfaces. You'll learn: How aesthetically pleasing design creates positive responses The principles from



psychology most useful for designers How these psychology principles relate to UX heuristics Predictive models including Fitts's law, Jakob's law, and Hick's law Ethical implications of using psychology in design A framework for applying these principles [Designing Consistent RESTful Web Service Interfaces](#) "O'Reilly Media, Inc." This text aims to help all members of

the development team make the correct nuts-and-bolts architecture decisions that ensure project success. [Learn REST APIs: Your Guide to how to Find, Learn, and Connect to the REST APIs that Powers the Internet of Things Revolution.](#) Lulu.com 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. **Microsoft PowerShell, VBScript and JScript Bible** "O'Reilly Media, Inc." In today's market, where rival web services compete for attention, a well-designed REST API is a must-have feature. This concise book presents a set of API design rules, drawn primarily from

best practices that stick close to the Web's REST architectural style. Along with rules for URI design and HTTP use, you'll learn guidelines for media types and representation al forms. REST APIs are ubiquitous, but few of them follow a consistent design methodology. Using these simple rules, you will design web service APIs that adhere to recognized web standards. To assist you,

author Mark Massé introduces the Web Resource Modeling Language (WRML), a conceptual framework he created for the design and implementation of REST APIs. Learn design rules for addressing resources with URIs Apply design principles to HTTP's request methods and response status codes Work with guidelines for conveying metadata through HTTP headers and

media types Get design tips to address the needs of client programs, including the special needs of browser-based JavaScript clients Understand why REST APIs should be designed and configured, not coded

**Using Psychology to Design Better Products & Services**

REST API Design Rulebook While the REST design philosophy has captured the

imagination of web and enterprise developers alike, using this approach to develop real web services is no picnic. This cookbook includes more than 100 recipes to help you take advantage of REST, HTTP, and the infrastructure of the Web. You'll learn ways to design RESTful web services for client and server applications that meet performance, scalability, reliability, and

security goals, no matter what programming language and development framework you use. Each recipe includes one or two problem statements, with easy-to-follow, step-by-step instructions for solving them, as well as examples using HTTP requests and responses, and XML, JSON, and Atom snippets. You'll also get implementation guidelines, and a discussion of

the pros, cons, and trade-offs that come with each solution. Learn how to design resources to meet various application scenarios. Successfully design representations and URIs. Implement the hypertext constraint using links and link headers. Understand when and how to use Atom and AtomPub. Know what and what not to do to support caching. Learn how to implement concurrency.

control Deal with advanced use cases involving copying, merging, transactions, batch processing, and partial updates  
 Secure web services and support OAuth  
*REST API Design Rulebook*  
 "O'Reilly Media, Inc."  
 Principles of Web API Design is a comprehensive, start-to-finish guide to the processes required for effective API design. Unlike other books, it covers the entire

lifecycle.  
 Leading API and microservices consultant James Higginbotham shows how API developers can successfully integrate processes that occur before, during, and after API design, to scale API development far beyond single individuals or small teams. Higginbotham addresses REST in depth while also fully covering RPC and graph-based API design, as well as messaging,

streaming, and event-based async APIs.  
 Coverage includes: The art of API design, and an overview of the API design process  
 Crafting job stories, conducting EventStorming sessions, and modeling API capabilities  
 Designing APIs that can easily evolve  
 Implementing APIs, and moving to microservices  
 Improving API quality through effective testing, documentation, and

protection mechanisms  
Establishing and maturing your API program: leveraging program and data management techniques that scale  
RESTful Web Services  
"O'Reilly Media, Inc."  
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.

**Everyone and Their Dog Wants an API, So You Should Probably Learn How to Build Them**

"O'Reilly Media, Inc." Learn how REST APIs work. This book will teach you what REST APIs are, why they are useful, and how to use

them to build more scalable, faster, more efficient applications. In this book, you will learn:

- What is a REST API- How
- are REST APIs used- Why are REST APIs useful- How REST works with HTTP- Anatomy of a REST Request and Response-
- Status messages- Best Practices- How to create, read, update, and delete data- Where to find REST API

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