
Restful Web Services Leonard Richardson

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REST API Design Rulebook "O'Reilly Media, Inc."

Learn how to design and develop distributed web services in Java, using RESTful architectural principles and the JAX-RS 2.0 specification in Java EE 7. By focusing on implementation rather than theory, this hands-on reference demonstrates how easy it is to get started with services based on the REST architecture. With the book's technical guide, you'll learn how REST and JAX-RS work and when to use them. The RESTEasy workbook that follows provides step-by-step instructions for installing, configuring, and running several working JAX-RS examples, using the JBoss RESTEasy implementation of

JAX-RS 2.0. Learn JAX-RS 2.0 centric architectures. It might features, including a client API, seem like grabbing stuff from server-side asynchronous a data source and shoving it HTTP, and filters and out as JSON would be easy, interceptors Examine the design but surviving changes in of a distributed RESTful business logic, database interface for an e-commerce schema updates, new order entry system Use the JAX-features, or deprecated RS Response object to return endpoints can be a complex responses to your nightmare. After finding client (ResponseBuilder) many of the existing Increase the performance of resources for API your services by leveraging development to be lacking, HTTP caching protocols Phil learned a lot of things Deploy and integrate web the hard way through years of services within Java EE7, trial and error. This book servlet containers, EJB, Spring, aims to condense that and JPA Learn popular experience, taking examples mechanisms to perform and explanations further authentication on the Web, than the trivial apples and including client-side SSL and pears nonsense tutorials OAuth 2.0 often provide. By passing on Hands-On RESTful API some best practices and Design Patterns and Best general good advice you can Practices hit the ground running with Packt Publishing API development, combined with some horror stories and Ltd how they were becoming increasingly overcome/avoided/averted. This book will discuss the common for server-side theory of designing and developers thanks to the building APIs in any rise of front-end JavaScript language or framework, with frameworks, iPhone applications, and API-

this theory applied in PHP-based examples.

Rapid Application

Development with Mozilla

"O'Reilly Media, Inc."

Provides information on developing distributed Web services in Java using the RESTful architectural principles and JAX-RS in Java EE 6.

Coding in Delphi Packt Pub Limited

実用的にRESTを学べる初めての書籍

Situation Normal API-University Press

"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 more versatile, and 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 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. *RESTful Web APIs* O'Reilly Media

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

Practical Guide to Building an API Back End with Spring Boot

"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.	repeatable, generic patterns to help make the development of reliable distributed systems far more approachable and efficient. Author Brendan Burns—Director of Engineering at Microsoft Azure—demonstrates how you can adapt existing software design patterns for designing and building reliable distributed applications. Systems engineers and application developers will learn how these long-established patterns provide a common language and framework for dramatically increasing the quality of your system. Understand how patterns and reusable components enable the rapid development of reliable distributed systems. Use the side-car, adapter, and ambassador patterns	to split your application into a group of containers on a single machine. Explore loosely coupled multi-node distributed patterns for replication, scaling, and communication between the components. Learn distributed system patterns for large-scale batch data processing covering work-queues, event-based processing, and coordinated workflows.
RESTful Java with JAX-RS O'Reilly Japan		RESTful Web Services "O'Reilly Media, Inc."
Without established design patterns to guide them, developers have had to build distributed systems from scratch, and most of these systems are very unique indeed. Today, the increasing use of containers has paved the way for core distributed system patterns and reusable containerized components. This practical guide presents a collection of		Believe it or not, building an API is the easy part. What is far more challenging is to put together a design that will stand the test of time, while also meeting your developers' needs. After all, no matter how well written your code may be, without a strong foundation, you will find your API quickly failing. Undisturbed REST works to tackle this issue through the use of modern design

techniques and technology, showing how to carefully design your API with your users and longevity in-mind, taking advantage of a design-first approach- while incorporating best practices and hard lessons learned. After reading Undisturbed REST, you'll have a strong understanding of APIs, best practices, and available tooling for designing, prototyping, sharing, documenting, and generating tooling (such as SDKs) around your API. More importantly, you'll be equipped to design and build an API not just for today, but one that can stand the test of time and lead your application into tomorrow.

RESTful Java with JAX-RS 2.0 Pragmatic Bookshelf

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.

RESTful Web Clients

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.

Getting Started with the Internet of Things "O'Reilly Media, Inc."

This hands-on introductory guide will quickly show how to program embedded devices using the .NET Micro Framework and the Netduino Plus

board, and then connect these devices to the Internet using Pachube, a cloud platform for sharing real-time sensor data.

Design and Build Great

Web APIs Packt

Publishing Ltd

Web services and Service-Oriented Computing (SOC) have become thriving areas of academic research, joint university/industry research projects, and novel IT products on the market. SOC is the computing paradigm that uses Web services as building blocks for the engineering of composite, distributed applications out of the reusable application logic encapsulated by Web services. Web services could be considered the best-known and most standardized technology in use today for distributed computing over the Internet. Web Services Foundations is the first installment of a two-book collection covering the state-of-the-art of both theoretical and practical aspects of Web services and SOC research. This book specifically focuses on the foundations of

Web services and SOC and covers - among others - Web service composition, non-functional aspects of Web services, Web service selection and recommendation, and assisted Web service composition. The editors collect advanced topics in the second book of the collection, Advanced Web Services, (Springer, 2013). Both books together comprise approximately 1400 pages and are the result of an enormous community effort that involved more than 100 authors, comprising the world's leading experts in this field.

RESTful Web????

"O'Reilly Media, Inc."

Summary Restlet in Action gets you started with the Restlet Framework and the REST architecture style. You'll create and deploy applications in record time while learning to use popular RESTful Web APIs effectively. This book looks at the many aspects of web development, on both the server and client side, along with cloud computing, mobile Android devices, and Semantic Web applications. About the Technology In a RESTful architecture

any component can act, if needed, as both client and server—this is flexible and powerful, but tricky to implement. The Restlet project is a reference implementation with a Java-based API and everything you need to build servers and web clients that integrate with most web and enterprise technologies. About the Book Restlet in Action introduces the Restlet Framework and RESTful web APIs. You'll see how to easily create and deploy your own web API while learning to consume other web APIs effectively. You'll learn about designing, securing, versioning, documentation, optimizing, and more on both the server and client side, as well as about cloud computing, mobile Android devices, and Semantic Web applications. The book requires a basic knowledge of Java and the web, but no prior exposure to REST or Restlet. Purchase of the print book comes with an offer of a free PDF, ePub, and Kindle eBook from Manning. Also available is all code from the book. What's Inside Written by the creators of Restlet! How to create your own web API How to

<p> deploy on cloud and mobile platforms Focus on Android, Google App Engine, Google Web Toolkit, and OSGi technologies Table of Contents PART 1 GETTING STARTED Introducing the Restlet Framework Beginning a Restlet application Deploying a Restlet application PART 2 GETTING READY TO ROLL OUT Producing and consuming Restlet representations Securing a Restlet application Documenting and versioning a Restlet application Enhancing a Restlet application with recipes and best practices PART 3 FURTHER USE POSSIBILITIES Using Restlet with cloud platforms Using Restlet in browsers and mobile devices Embracing hypermedia and the Semantic Web The future of Restlet <u>Java Web Services: Up and Running</u> Springer Science & Business Media The book explains the basic concepts associated with the REST architectural style, but the emphasis is on creating PHP code for consuming and creating RESTful services in PHP. There is plenty of example PHP code to illustrate the </p>	<p> concepts, with careful explanations of how the code works. This book targets PHP developers who want to build or make use of RESTful web services, or explore the options available to them in PHP. You will need to know the basics of PHP development, but no knowledge of REST is assumed, nor any knowledge of creating web services generally. <i>Build APIs You Won't Hate</i> "O'Reilly Media, Inc." Salary surveys worldwide regularly place software architect in the top 10 best jobs, yet no real guide exists to help developers become architects. Until now. This book provides the first comprehensive overview of software architecture's many aspects. Aspiring and existing architects alike will examine architectural characteristics, architectural patterns, component determination, </p>	<p> diagramming and presenting architecture, evolutionary architecture, and many other topics. Mark Richards and Neal Ford—hands-on practitioners who have taught software architecture classes professionally for years—focus on architecture principles that apply across all technology stacks. You'll explore software architecture in a modern light, taking into account all the innovations of the past decade. This book examines: Architecture patterns: The technical basis for many architectural decisions Components: Identification, coupling, cohesion, partitioning, and granularity Soft skills: Effective team management, meetings, negotiation, presentations, and </p>
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more Modernity:
Engineering
practices and
operational
approaches that
have changed
radically in the
past few years
Architecture as an
engineering
discipline:
Repeatable results,
metrics, and
concrete valuations
that add rigor to
software
architecture
*RESTful Web
Services* "O'Reilly
Media, Inc."
Starting your first
project with Spring
Boot can be a bit
daunting given the
vast options that
it provides. This
book will guide you
step-by-step along
the way to be a
Spring Boot hero in
no time. The book
covers: * Setup of
your project *
Security and user
management for your
application *
Writing REST
endpoints *
Connecting with a
database from your
application * Unit
and integration

testing for all
aspects * Writing
documentation for
your REST endpoints
* Support file
upload from your
REST API
Fundamentals of
Software Architecture
Packt Publishing Ltd
A lot of work is
required to release an
API, but the effort
doesn't always pay
off. Overplanning
before an API matures
is a wasted
investment, while
underplanning can lead
to disaster. This
practical guide
provides maturity
models for individual
APIs and multi-API
landscapes to help you
invest the right human
and company resources
for the right maturity
level at the right
time. How do you
balance the desire for
agility and speed with
the need for robust
and scalable
operations? Four
experts from the API
Academy show software
architects, program
directors, and product
owners how to maximize
the value of their
APIs by managing them
as products through a
continuous life cycle.
Learn which API
decisions you need to
govern and how and
where to do so Design,

deploy, and manage APIs
using an API-as-a-
product (AaaS) approach
Examine ten pillars
that form the
foundation of API
product work Learn how
the continuous
improvement model
governs changes
throughout an API's
lifetime Explore the
five stages of a
complete API product
life cycle Delve into
team roles needed to
design, build, and
maintain your APIs
Learn how to manage
your API landscape—the
set of APIs published
by your organization
*RESTful Web
Services Cookbook*
Addison-Wesley
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.

Service Design

Patterns "O'Reilly Media, Inc."

Learn the fundamentals of Delphi to build a variety of solutions for many devices and platforms. Author Marco Breveglieri will provide you with an overview of Delphi, its principles, its environment, and its use of Object Pascal language so that you can harness its versatility. With Delphi, the power of Delphi is at your fingertips. 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.