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# RESTful Web Services Cookbook

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# Restful Web Services Cookbook

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## **Restful Web Services Cookbook:**

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RESTful Web Services Cookbook Subrahmanyam Allamaraju, 2010 **RESTful Web Services Cookbook** Subbu Allamaraju, 2010-02-22 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

*RESTful Web Services Cookbook* , 2011 **RESTful Web APIs** Leonard Richardson, Mike Amundsen, Sam Ruby, 2013-09-12 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 **RESTful Web API Patterns and Practices Cookbook** Mike Amundsen, 2022-10-17 Many organizations today orchestrate and maintain apps that rely on other people s services Software designers developers and architects in those companies often work to coordinate and maintain apps based on existing microservices including third party services that



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*REST: From Research to Practice* Erik Wilde, Cesare Pautasso, 2011-08-04 This volume provides an overview and an understanding of REST Representational State Transfer Discussing the constraints of REST the book focuses on REST as a type of web architectural style The focus is on applying REST beyond Web applications i e in enterprise environments and in reusing established and well understood design patterns when doing so The reader will be able to understand how RESTful systems can be designed and deployed and what the results are in terms of benefits and challenges encountered in the process Since REST is relatively new as an approach for designing Web Services the more advanced part of the book collects a number of challenges to some of the assumptions and constraints of REST and looks at current research work on how REST can be extended and applied to scenarios that often are considered not to be a good match for REST This work will help readers to reach a deeper understanding of REST on a practical as well as on an advanced level

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*SOA with REST* Thomas Erl, Benjamin Carlyle, Cesare Pautasso, Raj Balasubramanian, 2012-08-06 The Definitive Guide to Building Web Centric SOA with REST The World Wide Web is based on the most successful technology architecture in history It has changed how we view access and exchange information and with the advent of REST it has also provided us with compelling ways to build and improve automation solutions REST provides a great deal of guidance to ensure that an architecture and its automation logic are technically sound though it is still your responsibility to build services that actually add value to your business SOA with REST is the first comprehensive tutorial and reference for designing and building RESTful services as part of service oriented solutions and in conjunction with service oriented architecture SOA This book demonstrates that REST is not only a suitable medium for building truly service oriented solutions but also that the service oriented architectural model is a necessary foundation for REST technology architectures to realize their full business potential The authors provide thorough mapping of REST constraints and architectural goals with service orientation principles and SOA characteristics Using real world examples they show how to leverage REST s simplicity flexibility and low overhead without compromising the power or manageability of service oriented solutions and architectures This ebook will

be valuable to IT architects developers and any practitioner seeking to use SOA and REST together

*Oracle Database Cloud Cookbook with Oracle Enterprise Manager 13c Cloud Control* Porus Homi Havewala, 2016-11-22 This practical Oracle Press guide teaches cutting edge techniques for building configuring and managing a secure private database cloud with Oracle Enterprise Manager 13c This hands on volume lays out ready to deploy roadmaps for the design and maintenance of high performance private database clouds using Oracle Enterprise Manager 13c Learn best practices for a wide variety of different approaches Database as a Service Snap Clone as a Service Schema as a Service and Pluggable Database as a Service Oracle Private Cloud Cookbook with Enterprise Manager 13c thoroughly explains how to architect configure and manage every component in a private database cloud lifecycle You will get an insider s solutions for securing your cloud based infrastructure generating reliable RMAN backups and protecting your mission critical enterprise information using Oracle Data Guard This comprehensive volume from Oracle Press features detailed step by step instructions with multiple screen shots and diagrams that illustrate each technique along the way Real world examples and case studies illustrate applications in various industries Offers essential skills for cloud administrators and DBAs Author is an Oracle Certified Master previous ACE director and experienced computing writer

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*RESTful Web Microservices Cookbook* Mike Amundsen, 2022 Many organizations today orchestrate and maintain apps that rely on other people s services Software designers developers and architects in those companies often work to coordinate and maintain apps based on existing microservices including third party services that run outside their ecosystem This cookbook provides proven recipes to help you get those many disparate parts to work together in your network Author Mike Amundsen provides step by step solutions for finding connecting and maintaining applications designed and built by people outside the organization Whether you re working on human centric mobile apps or creating high powered machine to machine solutions this guide shows you the rules routines commands and protocols the glue that integrates individual microservices so they can function together in a safe scalable and reliable way Design and build individual microservices that can successfully interact on the open web Increase interoperability by designing services that share a common understanding Build client applications that can adapt to evolving services without breaking Create resilient and reliable microservices that support peer to peer interactions on the web Use web based service registries to support runtime find and bind operations that manage external dependencies in real time Implement stable workflows to accomplish complex multiservice tasks consistently

**RESTful Web Services** Leonard Richardson, Sam Ruby, 2007-05-08 Shows how to use the REST architectural style to create web sites that can be used by computers as well as machines providing basic rules for using REST and real life examples of such Web services

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