

# Apidoc Inline Umentation For Restful Web Apis

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*High Availability and Disaster Recovery Options for DB2 for Linux, UNIX, and Windows* - Stanislaw Bartkowski 2012-10-18

As organizations strive to do more with less, IBM® DB2® for Linux, UNIX, and Windows provides various built-in high availability features. DB2 further provides high availability solutions by using enterprise system resources with broad support for clustering software, such as IBM PowerHA® SystemMirror®, IBM Tivoli® System Automation for Multiplatforms (Tivoli SA MP), and Microsoft Windows Cluster Server. This IBM Redbooks® publication describes the DB2 high availability functions and features, focusing on High Availability Disaster Recovery (HADR) in the OLTP environment. The book provides a detailed description of HADR, including setup, configuration, administration, monitoring, and preferred practices. This book explains how to configure Cluster software PowerHA, Tivoli SA MP, and MSCS with DB2 and show how to use these products to automate HADR takeover. DB2 also provides unprecedented enterprise-class disaster recovery capability. This book covers single system view backup, backup and restore with snapshot backup, and the db2recovery command, in detail. This book is intended for database administrators and information management professionals who want to design, implement, and support a highly available DB2

system.

*Enterprise Integration Patterns* - Gregor Hohpe 2012-03-09

Enterprise Integration Patterns provides an invaluable catalog of sixty-five patterns, with real-world solutions that demonstrate the formidable of messaging and help you to design effective messaging solutions for your enterprise. The authors also include examples covering a variety of different integration technologies, such as JMS, MSMQ, TIBCO ActiveEnterprise, Microsoft BizTalk, SOAP, and XSL. A case study describing a bond trading system illustrates the patterns in practice, and the book offers a look at emerging standards, as well as insights into what the future of enterprise integration might hold. This book provides a consistent vocabulary and visual notation framework to describe large-scale integration solutions across many technologies. It also explores in detail the advantages and limitations of asynchronous messaging architectures. The authors present practical advice on designing code that connects an application to a messaging system, and provide extensive information to help you determine when to send a message, how to route it to the proper destination, and how to monitor the health of a messaging system. If you want to know how to manage, monitor, and maintain a messaging system once it is in use, get this book.

Hadoop For Dummies - Dirk deRoos 2014-04-14  
Let Hadoop For Dummies help harness the power of your data and rein in the information overload Big data has become big business, and companies and organizations of all sizes are struggling to find ways to retrieve valuable information from their massive data sets with becoming overwhelmed. Enter Hadoop and this easy-to-understand For Dummies guide. Hadoop For Dummies helps readers understand the value of big data, make a business case for using Hadoop, navigate the Hadoop ecosystem, and build and manage Hadoop applications and clusters. Explains the origins of Hadoop, its economic benefits, and its functionality and practical applications Helps you find your way around the Hadoop ecosystem, program MapReduce, utilize design patterns, and get your Hadoop cluster up and running quickly and easily Details how to use Hadoop applications for data mining, web analytics and personalization, large-scale text processing, data science, and problem-solving Shows you how to improve the value of your Hadoop cluster, maximize your investment in Hadoop, and avoid common pitfalls when building your Hadoop cluster From programmers challenged with building and maintaining affordable, scaleable data systems to administrators who must deal with huge volumes of information effectively and efficiently, this how-to has something to help you with Hadoop.

**The Modern Web** - Peter Gasston 2013  
Provides information on Web development for multiple devices, covering such topics as structure and semantics, device APIs, multimedia, and Web apps.

*Large-Scale Graph Processing Using Apache Giraph* - Sherif Sakr 2017-01-05  
This book takes its reader on a journey through Apache Giraph, a popular distributed graph processing platform designed to bring the power of big data processing to graph data. Designed as a step-by-step self-study guide for everyone interested in large-scale graph processing, it describes the fundamental abstractions of the system, its programming models and various techniques for using the system to process graph data at scale, including the implementation of several popular and advanced graph analytics algorithms. The book is organized as follows:

Chapter 1 starts by providing a general background of the big data phenomenon and a general introduction to the Apache Giraph system, its abstraction, programming model and design architecture. Next, chapter 2 focuses on Giraph as a platform and how to use it. Based on a sample job, even more advanced topics like monitoring the Giraph application lifecycle and different methods for monitoring Giraph jobs are explained. Chapter 3 then provides an introduction to Giraph programming, introduces the basic Giraph graph model and explains how to write Giraph programs. In turn, Chapter 4 discusses in detail the implementation of some popular graph algorithms including PageRank, connected components, shortest paths and triangle closing. Chapter 5 focuses on advanced Giraph programming, discussing common Giraph algorithmic optimizations, tunable Giraph configurations that determine the system's utilization of the underlying resources, and how to write a custom graph input and output format. Lastly, chapter 6 highlights two systems that have been introduced to tackle the challenge of large scale graph processing, GraphX and GraphLab, and explains the main commonalities and differences between these systems and Apache Giraph. This book serves as an essential reference guide for students, researchers and practitioners in the domain of large scale graph processing. It offers step-by-step guidance, with several code examples and the complete source code available in the related github repository. Students will find a comprehensive introduction to and hands-on practice with tackling large scale graph processing problems using the Apache Giraph system, while researchers will discover thorough coverage of the emerging and ongoing advancements in big graph processing systems.

**Building PHP Applications with Symfony, CakePHP, and Zend Framework** - Bartosz Porebski 2011-02-17

The first detailed, unbiased comparison of the three leading PHP frameworks Web developers have been eager for an impartial comparison of leading PHP frameworks so they can make educated decisions about the most effective tool for their needs. This guide uses Symfony, CakePHP, and Zend Framework to solve key problems, providing source code examples and

comparisons for each. It explains the approach and reviews the similarities and differences in the three frameworks, providing reliable information on which to base your decisions. Symfony, CakePHP, and Zend Framework are considered the leading PHP frameworks; developers need an unbiased comparison to choose which one works best for their individual situations. This guide uses each framework to solve the same problems, illustrating the solutions with source code examples and working applications. Covers wide range of topics, from installation and configuration to most advanced features like AJAX, web services and automated testing. Includes an appendix of new PHP frameworks, including CodeIgniter, Lithium, and Agavi. Bestselling PHP author Elizabeth Naramore serves as technical editor. Comparison of PHP Web Frameworks provides the impartial, side-by-side comparison that developers have been looking for.

**SoapUI Cookbook** - Rupert Anderson

2015-02-27

This book is aimed at developers and technical testers who are looking for a quick way to take their SoapUI skills and understanding to the next level. Even if you are new to SoapUI but have basic Java skills and a reasonable grasp of RESTful and Soap web services, then you should have no problem making use of this book.

*IBM Business Process Manager V8.5*

*Performance Tuning and Best Practices* - Mike Collins 2015-02-24

This IBM® Redbooks® publication provides performance tuning tips and best practices for IBM Business Process Manager (IBM BPM) V8.5.5 (all editions) and IBM Business Monitor V8.5.5. These products represent an integrated development and runtime environment based on a key set of service-oriented architecture (SOA) and business process management (BPM) technologies. Such technologies include Service Component Architecture (SCA), Service Data Object (SDO), Business Process Execution Language (BPEL) for web services, and Business Processing Modeling Notation (BPMN). Both IBM Business Process Manager and Business Monitor build on the core capabilities of the IBM WebSphere® Application Server infrastructure. As a result, Business Process Manager solutions benefit from tuning, configuration, and best

practices information for WebSphere Application Server and the corresponding platform Java virtual machines (JVMs). This book targets a wide variety of groups, both within IBM (development, services, technical sales, and others) and customers. For customers who are either considering or are in the early stages of implementing a solution incorporating Business Process Manager and Business Monitor, this document proves a useful reference. The book is useful both in terms of best practices during application development and deployment and as a reference for setup, tuning, and configuration information. This book talks about many issues that can influence performance of each product and can serve as a guide for making rational first choices in terms of configuration and performance settings. Similarly, customers who already implemented a solution with these products can use the information presented here to gain insight into how their overall integrated solution performance can be improved.

*CMIS and Apache Chemistry in Action* - Jay

Brown 2013-07-25

Summary *CMIS and Apache Chemistry in Action* is a comprehensive guide to the CMIS standard and related ECM concepts, written by the authors of the standard. In it, you'll tackle hands-on examples for building applications on CMIS repositories from both the client and the server sides. You'll learn how to create new content-centric applications that install and run in any CMIS-compliant repository. About The Technology Content Management Interoperability Services (CMIS) is an OASIS standard for accessing content management systems. It specifies a vendor- and language-neutral way to interact with any compliant content repository. Apache Chemistry provides complete reference implementations of the CMIS standard with robust APIs for developers writing tools, applications, and servers. About This Book *CMIS and Apache Chemistry in Action* is a comprehensive guide to the CMIS standard and related ECM concepts. In it, you'll find clear teaching and instantly useful examples for building content-centric client and server-side applications that run against any CMIS-compliant repository. In fact, using the CMIS Workbench and the InMemory Repository from Apache Chemistry, you'll have running code

talking to a real CMIS server by the end of chapter 1. This book requires some familiarity with content management systems and a standard programming language like Java or C#. No exposure to CMIS or Apache Chemistry is assumed. Purchase of the print book includes a free eBook in PDF, Kindle, and ePub formats from Manning Publications. What's Inside The only CMIS book endorsed by OASIS Complete coverage of the CMIS 1.0 and 1.1 specifications Cookbook-style tutorials and real-world examples About the Authors Florian Müller, Jay Brown, and Jeff Potts are among the original authors, contributors, and leaders of Apache Chemistry and the OASIS CMIS specification. They continue to shape CMIS implementations at Alfresco, IBM, and SAP. Table of Contents PART 1 UNDERSTANDING CMIS Introducing CMIS Exploring the CMIS domain model Creating, updating, and deleting objects with CMIS CMIS metadata: types and properties Query PART 2 HANDS-ON CMIS CLIENT DEVELOPMENT Meet your new project: The Blend The Blend: read and query functionality The Blend: create, update, and delete functionality Using other client libraries Building mobile apps with CMIS PART 3 ADVANCED TOPICS CMIS bindings Security and control Performance Building a CMIS server [The Java Language Specification](#) - James Gosling 2000

For nearly five years, one book has served as the definitive reference to Java for all serious developers: *The Java Language Specification*, by James Gosling, Bill Joy, and Guy Steele. Now, these world-renowned Java authorities (along with new co-author Gilad Bracha) have delivered a monumental update. This completely revised Second Edition covers the Java 2 Platform Standard Edition Version 1.3 with unprecedented depth and precision, offering the invaluable insights of Java's creators to every developer. There is no better source for learning everything about the Syntax and Semantics of the Java programming language. Developers will turn to this book again and again.

*The Rust Programming Language (Covers Rust 2018)* - Steve Klabnik 2019-09-03

The official book on the Rust programming language, written by the Rust development team at the Mozilla Foundation, fully updated for Rust

2018. The Rust Programming Language is the official book on Rust: an open source systems programming language that helps you write faster, more reliable software. Rust offers control over low-level details (such as memory usage) in combination with high-level ergonomics, eliminating the hassle traditionally associated with low-level languages. The authors of *The Rust Programming Language*, members of the Rust Core Team, share their knowledge and experience to show you how to take full advantage of Rust's features--from installation to creating robust and scalable programs. You'll begin with basics like creating functions, choosing data types, and binding variables and then move on to more advanced concepts, such as:

- Ownership and borrowing, lifetimes, and traits
- Using Rust's memory safety guarantees to build fast, safe programs
- Testing, error handling, and effective refactoring
- Generics, smart pointers, multithreading, trait objects, and advanced pattern matching
- Using Cargo, Rust's built-in package manager, to build, test, and document your code and manage dependencies
- How best to use Rust's advanced compiler with compiler-led programming techniques

You'll find plenty of code examples throughout the book, as well as three chapters dedicated to building complete projects to test your learning: a number guessing game, a Rust implementation of a command line tool, and a multithreaded server. New to this edition: An extended section on Rust macros, an expanded chapter on modules, and appendixes on Rust development tools and editions.

[The Design of Web APIs](#) - Arnaud Lauret 2019-10-08

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.

**Business of APIs** - Kin Lane 2011-04-28

In recent years, API adoption has exploded

among developers, for reasons that this book will examine. But the purpose of this book is not to discuss how to deliver an API but to rather how to scale the business side to meet this rising developer demand. Written by someone with an engineering and a business background, *The Business of APIs* also aims to bridge the technical and the business aspects of API development. This book serves to help people understand what APIs are, who uses them, and the different types of APIs that are available. As the title suggests, this is a business-oriented book. Nonetheless it does seek to educate users about what types of technologies go into popular Web APIs. The book also surveys the history of modern Web APIs and examines how they've been used successfully. If you are considering launching an API, this book should help you understand the common stumbling blocks that have been faced by many API owners -- then hopefully you can avoid them. The book will also identify common building blocks used by API owners, building blocks that should be fundamental for your API planning and development. *The Business of APIs* highlights what it takes to be successful in providing quality Web APIs and points to some of the innovative steps new businesses are taking with their APIs -- all in an effort to build vibrant API ecosystems and healthy businesses.

*Learning jQuery - Fourth Edition* - Jonathan Chaffer 2013-01-01

Step through each of the core concepts of the jQuery library, building an overall picture of its capabilities. Once you have thoroughly covered the basics, the book returns to each concept to cover more advanced examples and techniques. This book is for web designers who want to create interactive elements for their designs, and for developers who want to create the best user interface for their web applications. Basic JavaScript programming and knowledge of HTML and CSS is required. No knowledge of jQuery is assumed, nor is experience with any other JavaScript libraries.

*Expert Python Programming* - Michal Jaworski 2016-05-20

Become an ace Python programmer by learning best coding practices and advance-level concepts with Python 3.5 About This Book Based on the latest stable version of Python (version

3.5) Creating well manageable code that will run in various environments with different sets of dependencies Packed with advanced concepts and best practices to write efficient Python code Who This Book Is For The book would appeal to web developers and Python programmers who want to start using version 3.5 and write code efficiently. Basic knowledge of Python programming is expected. What You Will Learn Conventions and best practices that are widely adopted in the python community Package python code effectively for community and production use Easy and lightweight ways to automate code deployment on remote systems Improve your code's quality, reliability, and performance Write concurrent code in python Extend python with code written in different languages In Detail Python is a dynamic programming language, used in a wide range of domains by programmers who find it simple, yet powerful. Even if you find writing Python code easy, writing code that is efficient and easy to maintain and reuse is a challenge. The focus of the book is to familiarize you with common conventions, best practices, useful tools and standards used by python professionals on a daily basis when working with code. You will begin with knowing new features in Python 3.5 and quick tricks for improving productivity. Next, you will learn advanced and useful python syntax elements brought to this new version. Using advanced object-oriented concepts and mechanisms available in python, you will learn different approaches to implement metaprogramming. You will learn to choose good names, write packages, and create standalone executables easily. You will also be using some powerful tools such as buildout and virtualenv to release and deploy the code on remote servers for production use. Moving on, you will learn to effectively create Python extensions with C, C++, cython, and pyrex. The important factors while writing code such as code management tools, writing clear documentation, and test-driven development are also covered. You will now dive deeper to make your code efficient with general rules of optimization, strategies for finding bottlenecks, and selected tools for application optimization. By the end of the book, you will be an expert in writing efficient and maintainable code. Style and approach An easy-

to-follow guide that covers industry followed best practices in Python programming

**PNG** - Greg Roelofs 1999

Helps graphic designers get the most out of this nextgeneration graphics file format and programmers who want to add full PNGsupport to their own applications by emphasizing the implementation of PNG with the libng C library and discussing such improvements as gamma correction and standard color spaces. Original. (Intermediate)

**Getting Started with IBM WebSphere Cast Iron Cloud Integration** - Carla Sadtler

2012-01-25

Cloud computing provides companies with many capabilities to meet their business needs but can also mean that a hybrid architecture is created that includes on-premise systems and the cloud. Integration is needed to bridge the gap between the on-premise existing systems and the new cloud applications, platform, and infrastructure. IBM® WebSphere® Cast Iron® meets the challenge of integrating cloud applications with on-premise systems, cloud applications-to-cloud applications, and on-premise to on-premise applications. It contains a graphical development environment that provides built-in connectivity to many cloud and on-premise applications and reusable solution templates that can be downloaded from a solution repository. The integration solutions that are created can then run on either an on-premise integration appliance or the multi-tenant WebSphere Cast Iron Live cloud service. This IBM Redbooks® publication is intended for application integrators, integration designers, and administrators evaluating or already using IBM WebSphere Cast Iron. Executives, leaders, and architects who are looking for a way to integrate cloud applications with their on-premise applications are also shown how WebSphere Cast Iron can help to resolve their integration challenges. The book helps you gain an understanding of Cast Iron and explains how to integrate cloud and on-premise applications quickly and simply. It gives a detailed introduction to the development tool and the administration interfaces and how they are used. It also discusses security, high availability, and re-usability. The book also includes three detailed scenarios covering real-world

implementations of a Cast Iron Integration Solution.

SonarQube in Action - Patroklos Papapetrou  
2013-10-30

Summary SonarQube in Action shows developers how to use the SonarQube platform to help them continuously improve their source code. The book presents SonarQube's core Seven Axes of Quality: design/architecture, duplications, comments, unit tests, complexity, potential bugs, and coding rules. You'll find simple, easy-to-follow discussion and examples as you learn to integrate SonarQube into your development process. About the Technology SonarQube is a powerful open source tool for continuous inspection, a process that makes code quality analysis and reporting an integral part of the development lifecycle. Its unique dashboards, rule-based defect analysis, and tight build integration result in improved code quality without disruption to developer workflow. It supports many languages, including Java, C, C++, C#, PHP, and JavaScript. About the Book SonarQube in Action teaches you how to effectively use SonarQube following the continuous inspection model. This practical book systematically explores SonarQube's core Seven Axes of Quality (design, duplications, comments, unit tests, complexity, potential bugs, and coding rules). With well-chosen examples, it helps you learn to use SonarQube's review functionality and IDE integration to implement continuous inspection best practices in your own quality management process. The book's Java-based examples translate easily to other development languages. No prior experience with SonarQube or continuous delivery practice is assumed. Purchase of the print book includes a free eBook in PDF, Kindle, and ePub formats from Manning Publications. What's Inside Gather meaningful quality metrics Integrate with Ant, Maven, and Jenkins Write your own plugins Master the art of continuous inspection About the Authors Ann Campbell and Patroklos Papapetrou are experienced developers and team leaders. Both actively contribute to the SonarQube community. Table of Contents PART 1 WHAT THE NUMBERS ARE TELLING YOU An introduction to SonarQube Issues and coding standards Ensuring that your code is doing things right Working with duplicate code

Optimizing source code documentation Keeping your source code files elegant Improving your application design PART 2 SETTling IN WITH SONARQUBE Planning a strategy and expanding your insight Continuous Inspection with SonarQube Letting SonarQube drive code reviews IDE integration PART 3

ADMINISTERING AND EXTENDING Security: users, groups, and roles Rule profile administration Making SonarQube fit your needs Managing your projects Writing your own plugins

**Spring Data** - Mark Pollack 2012-10-24

You can choose several data access frameworks when building Java enterprise applications that work with relational databases. But what about big data? This hands-on introduction shows you how Spring Data makes it relatively easy to build applications across a wide range of new data access technologies such as NoSQL and Hadoop. Through several sample projects, you'll learn how Spring Data provides a consistent programming model that retains NoSQL-specific features and capabilities, and helps you develop Hadoop applications across a wide range of use-cases such as data analysis, event stream processing, and workflow. You'll also discover the features Spring Data adds to Spring's existing JPA and JDBC support for writing RDBMS-based data access layers. Learn about Spring's template helper classes to simplify the use of database-specific functionality Explore Spring Data's repository abstraction and advanced query functionality Use Spring Data with Redis (key/value store), HBase (column-family), MongoDB (document database), and Neo4j (graph database) Discover the GemFire distributed data grid solution Export Spring Data JPA-managed entities to the Web as RESTful web services Simplify the development of HBase applications, using a lightweight object-mapping framework Build example big-data pipelines with Spring Batch and Spring Integration

**The Definitive Guide to SQLite** - Grant Allen 2011-01-28

Outside of the world of enterprise computing, there is one database that enables a huge range of software and hardware to flex relational database capabilities, without the baggage and cost of traditional database management

systems. That database is SQLite—an embeddable database with an amazingly small footprint, yet able to handle databases of enormous size. SQLite comes equipped with an array of powerful features available through a host of programming and development environments. It is supported by languages such as C, Java, Perl, PHP, Python, Ruby, TCL, and more. The Definitive Guide to SQLite, Second Edition is devoted to complete coverage of the latest version of this powerful database. It offers a thorough overview of SQLite's capabilities and APIs. The book also uses SQLite as the basis for helping newcomers make their first foray into database development. In only a short time you can be writing programs as diverse as a server-side browser plug-in or the next great iPhone or Android application! Learn about SQLite extensions for C, Java, Perl, PHP, Python, Ruby, and Tcl. Get solid coverage of SQLite internals. Explore developing iOS (iPhone) and Android applications with SQLite. SQLite is the solution chosen for thousands of products around the world, from mobile phones and GPS devices to set-top boxes and web browsers. You almost certainly use SQLite every day without even realizing it!

*Windows NT/2000 Native API Reference* - Gary Nebbett 2000

Windows NT/2000 Native API Reference is absolutely unique. Currently, documentation on Windows NT's native APIs can only be found through access to the source code or occasionally Web sites where people have chosen to share bits of insight gained through reverse engineering. This book provides the first complete reference to the API functions native to Windows NT and covers the set of services that are offered by Windows NT to both kernel- and user-mode programs. Ideal for the intermediate and advanced level user- and kernel-mode developers of Windows systems, this book is devoted to the NT native API and consists of documentation of the 210 routines included in the API. Also included are all the functions added in Windows 2000.

*Making Apps with Moqui* - David E. Jones 2014-09-10

Making Apps with Moqui is the official documentation for Moqui Framework and includes a comprehensive summary of Mantle

Business Artifacts. Starting with basic concepts and a tutorial to try things right away, it builds to complete examples of end-to-end business processes including procure to pay, order to cash, and work plan to cash. The framework topics cover data and service tier tools, user and system interfaces, security, and performance. With dozens of diagrams and screen shots, and thousands of lines of code and configuration examples, this book gives you ideas of what you can do with Moqui Framework and shows you how too. This includes things as simple as defining your data model with entities to more advanced things like building hierarchical data documents based on entity data and feeding them to other systems or indexing and searching the documents through simple configuration. Learn how to easily build remote and local services that handle validation, security, transaction management, and much more. Build screens quickly with a wide variety of dynamic widgets and forms styled any way you wish, or even define your own widgets to use consistently across your applications. Handle large scale and multi-tenant systems. Track your application use and performance. Implicitly handle multiple languages, currencies and other localization details. Control access to resources across all tiers through flexible authc and authz configuration. Written by the founder of Moqui and Mantle, and an enterprise application architect with 15 years of open source and commercial experience, this book provides the most accurate and useful information available for building modern enterprise applications with some of the best open source tools and technologies.

**Docs for Developers** - Jared Bhatti 2021-10-01

Learn to integrate programming with good documentation. This book teaches you the craft of documentation for each step in the software development lifecycle, from understanding your users' needs to publishing, measuring, and maintaining useful developer documentation. Well-documented projects save time for both developers on the project and users of the software. Projects without adequate documentation suffer from poor developer productivity, project scalability, user adoption, and accessibility. In short: bad documentation kills projects. Docs for Developers demystifies

the process of creating great developer documentation, following a team of software developers as they work to launch a new product. At each step along the way, you learn through examples, templates, and principles how to create, measure, and maintain documentation—tools you can adapt to the needs of your own organization. What You'll Learn Create friction logs and perform user research to understand your users' frustrations Research, draft, and write different kinds of documentation, including READMEs, API documentation, tutorials, conceptual content, and release notes Publish and maintain documentation alongside regular code releases Measure the success of the content you create through analytics and user feedback Organize larger sets of documentation to help users find the right information at the right time Who This Book Is For Ideal for software developers who need to create documentation alongside code, or for technical writers, developer advocates, product managers, and other technical roles that create and contribute to documentation for their products and services.

**Getting Started with OAuth 2.0** - Ryan Boyd 2012-02-22

Whether you develop web applications or mobile apps, the OAuth 2.0 protocol will save a lot of headaches. This concise introduction shows you how OAuth provides a single authorization technology across numerous APIs on the Web, so you can securely access users' data—such as user profiles, photos, videos, and contact lists—to improve their experience of your application. Through code examples, step-by-step instructions, and use-case examples, you'll learn how to apply OAuth 2.0 to your server-side web application, client-side app, or mobile app. Find out what it takes to access social graphs, store data in a user's online filesystem, and perform many other tasks. Understand OAuth 2.0's role in authentication and authorization Learn how OAuth's Authorization Code flow helps you integrate data from different business applications Discover why native mobile apps use OAuth differently than mobile web apps Use OpenID Connect and eliminate the need to build your own authentication system

**A Primer on Scientific Programming with Python** - Hans Petter Langtangen 2016-07-28

The book serves as a first introduction to computer programming of scientific applications, using the high-level Python language. The exposition is example and problem-oriented, where the applications are taken from mathematics, numerical calculus, statistics, physics, biology and finance. The book teaches "Matlab-style" and procedural programming as well as object-oriented programming. High school mathematics is a required background and it is advantageous to study classical and numerical one-variable calculus in parallel with reading this book. Besides learning how to program computers, the reader will also learn how to solve mathematical problems, arising in various branches of science and engineering, with the aid of numerical methods and programming. By blending programming, mathematics and scientific applications, the book lays a solid foundation for practicing computational science. From the reviews: Langtangen ... does an excellent job of introducing programming as a set of skills in problem solving. He guides the reader into thinking properly about producing program logic and data structures for modeling real-world problems using objects and functions and embracing the object-oriented paradigm. ... Summing Up: Highly recommended. F. H. Wild III, Choice, Vol. 47 (8), April 2010 Those of us who have learned scientific programming in Python 'on the streets' could be a little jealous of students who have the opportunity to take a course out of Langtangen's Primer." John D. Cook, The Mathematical Association of America, September 2011 This book goes through Python in particular, and programming in general, via tasks that scientists will likely perform. It contains valuable information for students new to scientific computing and would be the perfect bridge between an introduction to programming and an advanced course on numerical methods or computational science. Alex Small, IEEE, CiSE Vol. 14 (2), March /April 2012 "This fourth edition is a wonderful, inclusive textbook that covers pretty much everything one needs to know to go from zero to fairly sophisticated scientific programming in Python..." Joan Horvath, Computing Reviews, March 2015 SAS Viya - Yue Qi 2018-07-20 Learn how to access analytics from SAS Cloud

Analytic Services (CAS) using R and the SAS Viya platform. SAS Viya : The R Perspective is a general-purpose introduction to using R with the SAS Viya platform. SAS Viya is a high-performance, fault-tolerant analytics architecture that can be deployed on both public and private cloud infrastructures. This book introduces an entirely new way of using SAS statistics from R, taking users step-by-step from installation and fundamentals to data exploration and modeling. SAS Viya is made up of multiple components. The central piece of this ecosystem is SAS Cloud Analytic Services (CAS). CAS is the cloud-based server that all clients communicate with to run analytical methods. While SAS Viya can be used by various SAS applications, it also enables you to access analytic methods from SAS, R, Python, Lua, and Java, as well as through a REST interface using HTTP or HTTPS. The R client is used to drive the CAS component directly using commands and actions that are familiar to R programmers. Key features of this book include: Connecting to CAS from R Loading, managing, and exploring CAS Data from R Executing CAS actions and processing the results Handling CAS action errors Modeling continuous and categorical data This book is intended for R users who want to access SAS analytics as well as SAS users who are interested in trying R. Familiarity with R would be helpful before using this book although knowledge of CAS is not required. However, you will need to have a CAS server set up and running to execute the examples in this book. SAS 9.4 Intelligence Platform: Overview, Second Edition - Sas Institute 2016-02-12 Provides a point of entry for understanding the basics of the SAS Intelligence Platform. It discusses the benefits of the SAS Intelligence Platform to businesses, describes the architecture, and provides an overview of each software component. This document can be used alone or as an introduction to the deployment and administration guides. ALGORITHMS OF THE INTELLIGENT WEB - Haralambos Marmanis 2011-03-01 Special Features: Learning Elements:· How to create recommendations just like those on Netflix and Amazon· How to implement Google's Pagerank algorithm· How to discover matches on social-networking sites· How to organize the

discussions on your favorite news group· How to select topics of interest from shared bookmarks· How to leverage user clicks· How to categorize emails based on their content· How to build applications that do targeted advertising· How to implement fraud detection About The Book: Algorithms of the Intelligent Web is an example-driven blueprint for creating applications that collect, analyze, and act on the massive quantities of data users leave in their wake as they use the web. You'll learn how to build Amazon- and Netflix-style recommendation engines, and how the same techniques apply to people matches on social-networking sites. See how click-trace analysis can result in smarter ad rotations. With a plethora of examples and extensive detail, this book shows you how to build Web 2.0 applications that are as smart as your users.

*Elasticsearch: The Definitive Guide* - Clinton Gormley 2015-01-23

Whether you need full-text search or real-time analytics of structured data—or both—the Elasticsearch distributed search engine is an ideal way to put your data to work. This practical guide not only shows you how to search, analyze, and explore data with Elasticsearch, but also helps you deal with the complexities of human language, geolocation, and relationships. If you're a newcomer to both search and distributed systems, you'll quickly learn how to integrate Elasticsearch into your application. More experienced users will pick up lots of advanced techniques. Throughout the book, you'll follow a problem-based approach to learn why, when, and how to use Elasticsearch features. Understand how Elasticsearch interprets data in your documents Index and query your data to take advantage of search concepts such as relevance and word proximity Handle human language through the effective use of analyzers and queries Summarize and group data to show overall trends, with aggregations and analytics Use geo-points and geo-shapes—Elasticsearch's approaches to geolocation Model your data to take advantage of Elasticsearch's horizontal scalability Learn how to configure and monitor your cluster in production

**Software Defined Networks** - Paul Goransson 2016-10-25

Software Defined Networks: A Comprehensive Approach, Second Edition provides in-depth coverage of the technologies collectively known as Software Defined Networking (SDN). The book shows how to explain to business decision-makers the benefits and risks in shifting parts of a network to the SDN model, when to integrate SDN technologies in a network, and how to develop or acquire SDN applications. In addition, the book emphasizes the parts of the technology that encourage opening up the network, providing treatment for alternative approaches to SDN that expand the definition of SDN as networking vendors adopt traits of SDN to their existing solutions. Since the first edition was published, the SDN market has matured, and is being gradually integrated and morphed into something more compatible with mainstream networking vendors. This book reflects these changes, with coverage of the OpenDaylight controller and its support for multiple southbound protocols, the Inclusion of NETCONF in discussions on controllers and devices, expanded coverage of NFV, and updated coverage of the latest approved version (1.5.1) of the OpenFlow specification. Contains expanded coverage of controllers Includes a new chapter on NETCONF and SDN Presents expanded coverage of SDN in optical networks Provides support materials for use in computer networking courses

**Building Web Services with Java** - Steve Graham 2004-06-28

Sams has assembled a team of experts in web services to provide you with a detailed reference guide on XML, SOAP, UDDI and UDDI. Building Web Services with Java is in its second edition and it includes the newest standards for managing security, transactions, reliability and interoperability in web service applications. Go beyond the explanations of standards and find out how and why these tools were designed as they are and focus on practical examples of each concept. Download your source code from the publisher's website and work with a running example of a full enterprise solution. Learn from the best in Building Web Services with Java.

**Speaking JavaScript** - Axel Rauschmayer 2014-02-25

Like it or not, JavaScript is everywhere these days—from browser to server to mobile—and

now you, too, need to learn the language or dive deeper than you have. This concise book guides you into and through JavaScript, written by a veteran programmer who once found himself in the same position. Speaking JavaScript helps you approach the language with four standalone sections. First, a quick-start guide teaches you just enough of the language to help you be productive right away. More experienced JavaScript programmers will find a complete and easy-to-read reference that covers each language feature in depth. Complete contents include: JavaScript quick start: Familiar with object-oriented programming? This part helps you learn JavaScript quickly and properly. JavaScript in depth: Learn details of ECMAScript 5, from syntax, variables, functions, and object-oriented programming to regular expressions and JSON with lots of examples. Pick a topic and jump in. Background: Understand JavaScript's history and its relationship with other programming languages. Tips, tools, and libraries: Survey existing style guides, best practices, advanced techniques, module systems, package managers, build tools, and learning resources.

*Twitter API: Up and Running* - Kevin Makice  
2009-03-17

This groundbreaking book provides you with the skills and resources necessary to build web applications for Twitter. Perfect for new and casual programmers intrigued by the world of microblogging, *Twitter API: Up and Running* carefully explains how each part of Twitter's API works, with detailed examples that show you how to assemble those building blocks into practical and fun web applications. You'll also get a complete look at Twitter culture and learn how it has inspired programmers to build hundreds of tools and applications. With this book, you will: Explore every component of a Twitter application and learn how the API responds Get the PHP and MySQL code necessary to build your own applications, with explanations of how these ingredients work Learn from real-world Twitter applications created just for this book Discover the most interesting and useful Twitter programs--and get ideas for creating your own--with the book's Twitter application directory Twitter offers a new way to connect with people on the Internet,

and Twitter API: *Up and Running* takes you right to the heart of this technology. "Twitter API: *Up and Running* is a friendly, accessible introduction to the Twitter API. Even beginning web developers can have a working Twitter project before they know it. Sit down with this for a weekend and you're on your way to Twitter API mastery."--Alex Payne, Twitter API Lead "Twitter API: *Up and Running* is a very comprehensive and useful resource--any developer will feel the urge to code a Twitter-related application right after finishing the book!"--The Lollicode team, creators of Twitscoop

[OpenLayers 2.10 Beginner's Guide](#) - Erik Hazzard  
2011-03-18

Create, optimize, and deploy stunning cross-browser web maps with the OpenLayers JavaScript web mapping library.

[REST in Practice](#) - Jim Webber  
2010-09-17

REST continues to gain momentum as the best method for building Web services, and this down-to-earth book delivers techniques and examples that show how to design and implement integration solutions using the REST architectural style.

**Elasticsearch in Action** - Roy Russo  
2015-11-17

Summary *Elasticsearch in Action* teaches you how to build scalable search applications using Elasticsearch. You'll ramp up fast, with an informative overview and an engaging introductory example. Within the first few chapters, you'll pick up the core concepts you need to implement basic searches and efficient indexing. With the fundamentals well in hand, you'll go on to gain an organized view of how to optimize your design. Perfect for developers and administrators building and managing search-oriented applications. Purchase of the print book includes a free eBook in PDF, Kindle, and ePub formats from Manning Publications. About the Technology Modern search seems like magic—you type a few words and the search engine appears to know what you want. With the Elasticsearch real-time search and analytics engine, you can give your users this magical experience without having to do complex low-level programming or understand advanced data science algorithms. You just install it, tweak it, and get on with your work. About the Book

Elasticsearch in Action teaches you how to write applications that deliver professional quality search. As you read, you'll learn to add basic search features to any application, enhance search results with predictive analysis and relevancy ranking, and use saved data from prior searches to give users a custom experience. This practical book focuses on Elasticsearch's REST API via HTTP. Code snippets are written mostly in bash using cURL, so they're easily translatable to other languages.

What's Inside

What is a great search application? Building scalable search solutions Using Elasticsearch with any language Configuration and tuning About the Reader For developers and administrators building and managing search-oriented applications. About the Authors Radu Gheorghe is a search consultant and software engineer. Matthew Lee Hinman develops highly available, cloud-based systems. Roy Russo is a specialist in predictive analytics.

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Docs Like Code - Anne Gentle 2018-01-13

Looking for a way to invigorate your technical writing team and grow that expertise to include developers, designers, and writers of all backgrounds? When you treat docs like code, you multiply everyone's efforts and streamline processes through collaboration, automation, and innovation. Second edition now available with updates and more information about version control for documents and continuous publishing.

**Pyomo - Optimization Modeling in Python** - William E. Hart 2012-02-15

This book provides a complete and comprehensive reference/guide to Pyomo (Python Optimization Modeling Objects) for both beginning and advanced modelers, including students at the undergraduate and graduate levels, academic researchers, and practitioners. The text illustrates the breadth of the modeling

and analysis capabilities that are supported by the software and support of complex real-world applications. Pyomo is an open source software package for formulating and solving large-scale optimization and operations research problems. The text begins with a tutorial on simple linear and integer programming models. A detailed reference of Pyomo's modeling components is illustrated with extensive examples, including a discussion of how to load data from data sources like spreadsheets and databases. Chapters describing advanced modeling capabilities for nonlinear and stochastic optimization are also included. The Pyomo software provides familiar modeling features within Python, a powerful dynamic programming language that has a very clear, readable syntax and intuitive object orientation. Pyomo includes Python classes for defining sparse sets, parameters, and variables, which can be used to formulate algebraic expressions that define objectives and constraints. Moreover, Pyomo can be used from a command-line interface and within Python's interactive command environment, which makes it easy to create Pyomo models, apply a variety of optimizers, and examine solutions. The software supports a different modeling approach than commercial AML (Algebraic Modeling Languages) tools, and is designed for flexibility, extensibility, portability, and maintainability but also maintains the central ideas in modern AMLs.

Mastering Python - Rick van Hattem 2016-04-29

Master the art of writing beautiful and powerful Python by using all of the features that Python 3.5 offers

About This Book

Become familiar with the most important and advanced parts of the Python code style

Learn the trickier aspects of Python and put it in a structured context for deeper understanding of the language

Offers an expert's-eye overview of how these advanced tasks fit together in Python as a whole along with practical examples

Who This Book Is For

Almost anyone can learn to write working script and create high quality code but they might lack a structured understanding of what it means to be 'Pythonic'. If you are a Python programmer who wants to code efficiently by getting the syntax and usage of a few intricate Python techniques exactly right, this book is for you.

What You Will Learn

Create a virtualenv and

start a new project Understand how and when to use the functional programming paradigm Get familiar with the different ways the decorators can be written in Understand the power of generators and coroutines without digressing into lambda calculus Create metaclasses and how it makes working with Python far easier Generate HTML documentation out of documents and code using Sphinx Learn how to track and optimize application performance, both memory and cpu Use the multiprocessing library, not just locally but also across multiple machines Get a basic understanding of packaging and creating your own libraries/applications In Detail Python is a dynamic programming language. It is known for its high readability and hence it is often the first language learned by new programmers. Python being multi-paradigm, it can be used to achieve the same thing in different ways and it is compatible across different platforms. Even if you find writing Python code easy, writing code that is efficient, easy to maintain, and reuse is not so straightforward. This book is an authoritative guide that will help you learn new advanced methods in a clear and contextualised way. It starts off by creating a project-specific environment using venv, introducing you to different Pythonic syntax and common pitfalls before moving on to cover the functional features in Python. It covers how to create different decorators, generators, and metaclasses. It also introduces you to functools.wraps and coroutines and how they work. Later on you will learn to use asyncio module for asynchronous clients and servers. You will also get familiar with different testing systems such as py.test, doctest, and unittest, and debugging tools such as Python debugger and faulthandler. You will learn to optimize application performance so that it works efficiently across multiple machines and Python versions. Finally, it will teach you how to access C functions with a simple Python call. By the end of the book, you will be able to write more advanced scripts and take on bigger challenges.

**Style and Approach** This book is a comprehensive guide that covers advanced features of the Python language, and communicate them with an authoritative understanding of the underlying rationale for

how, when, and why to use them.

[The Pragmatic Programmer](#) - Andrew Hunt  
1999-10-20

What others in the trenches say about The Pragmatic Programmer... "The cool thing about this book is that it's great for keeping the programming process fresh. The book helps you to continue to grow and clearly comes from people who have been there." —Kent Beck, author of *Extreme Programming Explained: Embrace Change* "I found this book to be a great mix of solid advice and wonderful analogies!" —Martin Fowler, author of *Refactoring and UML Distilled* "I would buy a copy, read it twice, then tell all my colleagues to run out and grab a copy. This is a book I would never loan because I would worry about it being lost." —Kevin Ruland, Management Science, MSG-Logistics "The wisdom and practical experience of the authors is obvious. The topics presented are relevant and useful.... By far its greatest strength for me has been the outstanding analogies—tracer bullets, broken windows, and the fabulous helicopter-based explanation of the need for orthogonality, especially in a crisis situation. I have little doubt that this book will eventually become an excellent source of useful information for journeymen programmers and expert mentors alike." —John Lakos, author of *Large-Scale C++ Software Design* "This is the sort of book I will buy a dozen copies of when it comes out so I can give it to my clients." —Eric Vought, Software Engineer "Most modern books on software development fail to cover the basics of what makes a great software developer, instead spending their time on syntax or technology where in reality the greatest leverage possible for any software team is in having talented developers who really know their craft well. An excellent book." —Pete McBreen, Independent Consultant "Since reading this book, I have implemented many of the practical suggestions and tips it contains. Across the board, they have saved my company time and money while helping me get my job done quicker! This should be a desktop reference for everyone who works with code for a living." —Jared Richardson, Senior Software Developer, iRenaissance, Inc. "I would like to see this issued to every new employee at my company...." —Chris Cleeland, Senior Software

Engineer, Object Computing, Inc. "If I'm putting together a project, it's the authors of this book that I want. . . . And failing that I'd settle for people who've read their book." —Ward Cunningham

Straight from the programming trenches, *The Pragmatic Programmer* cuts through the increasing specialization and technicalities of modern software development to examine the core process—taking a requirement and producing working, maintainable code that delights its users. It covers topics ranging from personal responsibility and career development to architectural techniques for keeping your code flexible and easy to adapt and reuse. Read this book, and you'll learn how to Fight software rot; Avoid the trap of duplicating knowledge; Write flexible, dynamic, and adaptable code; Avoid programming by coincidence; Bullet-proof your

code with contracts, assertions, and exceptions; Capture real requirements; Test ruthlessly and effectively; Delight your users; Build teams of pragmatic programmers; and Make your developments more precise with automation. Written as a series of self-contained sections and filled with entertaining anecdotes, thoughtful examples, and interesting analogies, *The Pragmatic Programmer* illustrates the best practices and major pitfalls of many different aspects of software development. Whether you're a new coder, an experienced programmer, or a manager responsible for software projects, use these lessons daily, and you'll quickly see improvements in personal productivity, accuracy, and job satisfaction. You'll learn skills and develop habits and attitudes that form the foundation for long-term success in your career. You'll become a Pragmatic Programmer.