
Apache Solr A Practical Approach To Enterprise Search

Apache Solr 4 Cookbook

Apache Solr PHP Integration

Intelligent Systems in Big Data, Semantic Web and Machine Learning

Data Pipelines with Apache Airflow

Apache Solr Beginner's Guide

Solr in Action

Apache Solr

Introduction to Information Retrieval

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Taming Text

Solr Cookbook - Third Edition

Mastering Apache Solr 7.x

Mastering Apache Solr

Relevant Search

Apache Pulsar in Action

Solr in Action

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*Apache Solr A Practical
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Apache Solr 4 Cookbook Cambridge University Press
Summary Relevant Search demystifies relevance work. Using Elasticsearch, it teaches you how to return engaging search results to your users, helping you understand and leverage the internals of Lucene-based search engines. Purchase of the print book includes a free eBook in PDF, Kindle, and ePub formats from

Manning Publications. About the Technology Users are accustomed to and expect instant, relevant search results. To achieve this, you must master the search engine. Yet for many developers, relevance ranking is mysterious or confusing. About the Book Relevant Search demystifies the subject and shows you that a search engine is a programmable relevance framework. You'll learn how to apply Elasticsearch or Solr to your business's unique ranking problems. The book demonstrates how to program relevance and how to incorporate secondary data sources, taxonomies, text

analytics, and personalization. In practice, a relevance framework requires softer skills as well, such as collaborating with stakeholders to discover the right relevance requirements for your business. By the end, you'll be able to achieve a virtuous cycle of provable, measurable relevance improvements over a search product's lifetime. What's Inside
Techniques for debugging relevance?
Applying search engine features to real problems?
Using the user interface to guide searchers?
A systematic approach to relevance?
A business culture focused on improving search
About the Reader For

developers trying to build smarter search with Elasticsearch or Solr. About the Authors Doug Turnbull is lead relevance consultant at OpenSource Connections, where he frequently speaks and blogs. John Berryman is a data engineer at Eventbrite, where he specializes in recommendations and search. Foreword author, Trey Grainger, is a director of engineering at CareerBuilder and author of Solr in Action. Table of Contents The search relevance problem Search under the hood Debugging your first relevance problem Taming tokens Basic multifield search Term-centric search Shaping the relevance function Providing relevance feedback Designing a relevance-focused search application The relevance-centered enterprise Semantic and personalized search

Apache Solr PHP Integration Simon and Schuster

Big Data: Principles and Paradigms captures the state-of-the-art research on the architectural aspects, technologies, and applications of Big Data. The book identifies potential future directions and technologies that facilitate insight into numerous scientific, business, and

consumer applications. To help realize Big Data's full potential, the book addresses numerous challenges, offering the conceptual and technological solutions for tackling them. These challenges include life-cycle data management, large-scale storage, flexible processing infrastructure, data modeling, scalable machine learning, data analysis algorithms, sampling techniques, and privacy and ethical issues. Covers computational platforms supporting Big Data applications Addresses key principles underlying Big Data computing Examines key developments supporting next generation Big Data platforms Explores the challenges in Big Data computing and ways to overcome them Contains expert contributors from both academia and industry

Intelligent Systems in Big Data, Semantic Web and Machine Learning Packt Publishing Ltd

This title is one of the "Essentials" IT Books published by TechNet Publications Limited. This Book is a very helpful practical guide for beginners in the topic, which can be used as a learning material for students pursuing their studies in undergraduate

and graduate levels in universities and colleges and those who want to learn the topic via a short and complete resource. We hope you find this book useful in shaping your future career.

Data Pipelines with Apache Airflow Packt Publishing Ltd

This book is full of step-by-step example-oriented tutorials which will show readers how to integrate Solr in PHP applications using the available libraries, and boost the inherent search facilities that Solr offers. If you are a developer who knows PHP and is interested in integrating search into your applications, this is the book for you. No advanced knowledge of Solr is required. Very basic knowledge of system commands and the command-line interface on both Linux and Windows is required. You should also be familiar with the concept of Web servers.

Apache Solr Beginner's Guide Packt Pub Limited

Apache SolrApress

Solr in Action Packt Publishing Ltd Enhance your Solr indexing experience with advanced techniques and the built-in functionalities available in Apache Solr About This Book Learn about distributed

indexing and real-time optimization to change index data on fly Index data from various sources and web crawlers using built-in analyzers and tokenizers This step-by-step guide is packed with real-life examples on indexing data Who This Book Is For This book is for developers who want to increase their experience of indexing in Solr by learning about the various index handlers, analyzers, and methods available in Solr. Beginner level Solr development skills are expected. What You Will Learn Get to know the basic features of Solr indexing and the analyzers/tokenizers available Index XML/JSON data in Solr using the HTTP Post tool and CURL command Work with Data Import Handler to index data from a database Use Apache Tika with Solr to index word documents, PDFs, and much more Utilize Apache Nutch and Solr integration to index crawled data from web pages Update indexes in real-time data feeds Discover techniques to index multi-language and distributed data in Solr Combine the various indexing techniques into a real-life working example of an online shopping web application In Detail Apache Solr is a widely used, open source

enterprise search server that delivers powerful indexing and searching features. These features help fetch relevant information from various sources and documentation. Solr also combines with other open source tools such as Apache Tika and Apache Nutch to provide more powerful features. This fast-paced guide starts by helping you set up Solr and get acquainted with its basic building blocks, to give you a better understanding of Solr indexing. You'll quickly move on to indexing text and boosting the indexing time. Next, you'll focus on basic indexing techniques, various index handlers designed to modify documents, and indexing a structured data source through Data Import Handler. Moving on, you will learn techniques to perform real-time indexing and atomic updates, as well as more advanced indexing techniques such as de-duplication. Later on, we'll help you set up a cluster of Solr servers that combine fault tolerance and high availability. You will also gain insights into working scenarios of different aspects of Solr and how to use Solr with e-commerce data. By the end of the book, you will be competent and confident working with

indexing and will have a good knowledge base to efficiently program elements. Style and approach This fast-paced guide is packed with examples that are written in an easy-to-follow style, and are accompanied by detailed explanation. Working examples are included to help you get better results for your applications.

Apache Solr Simon and Schuster

"An Airflow bible. Useful for all kinds of users, from novice to expert." - Rambabu Posa, Sai Aashika Consultancy Data Pipelines with Apache Airflow teaches you how to build and maintain effective data pipelines. A successful pipeline moves data efficiently, minimizing pauses and blockages between tasks, keeping every process along the way operational. Apache Airflow provides a single customizable environment for building and managing data pipelines, eliminating the need for a hodgepodge collection of tools, snowflake code, and homegrown processes. Using real-world scenarios and examples, Data Pipelines with Apache Airflow teaches you how to simplify and automate data pipelines, reduce operational overhead, and smoothly integrate all the

technologies in your stack. Purchase of the print book includes a free eBook in PDF, Kindle, and ePub formats from Manning Publications. About the technology Data pipelines manage the flow of data from initial collection through consolidation, cleaning, analysis, visualization, and more. Apache Airflow provides a single platform you can use to design, implement, monitor, and maintain your pipelines. Its easy-to-use UI, plug-and-play options, and flexible Python scripting make Airflow perfect for any data management task. About the book Data Pipelines with Apache Airflow teaches you how to build and maintain effective data pipelines. You'll explore the most common usage patterns, including aggregating multiple data sources, connecting to and from data lakes, and cloud deployment. Part reference and part tutorial, this practical guide covers every aspect of the directed acyclic graphs (DAGs) that power Airflow, and how to customize them for your pipeline's needs. What's inside Build, test, and deploy Airflow pipelines as DAGs Automate moving and transforming data Analyze historical datasets using backfilling Develop custom components

Set up Airflow in production environments About the reader For DevOps, data engineers, machine learning engineers, and sysadmins with intermediate Python skills. About the author Bas Harensiak and Julian de Ruyter are data engineers with extensive experience using Airflow to develop pipelines for major companies. Bas is also an Airflow committer. Table of Contents PART 1 - GETTING STARTED 1 Meet Apache Airflow 2 Anatomy of an Airflow DAG 3 Scheduling in Airflow 4 Templating tasks using the Airflow context 5 Defining dependencies between tasks PART 2 - BEYOND THE BASICS 6 Triggering workflows 7 Communicating with external systems 8 Building custom components 9 Testing 10 Running tasks in containers PART 3 - AIRFLOW IN PRACTICE 11 Best practices 12 Operating Airflow in production 13 Securing Airflow 14 Project: Finding the fastest way to get around NYC PART 4 - IN THE CLOUDS 15 Airflow in the clouds 16 Airflow on AWS 17 Airflow on Azure 18 Airflow in GCP [Introduction to Information Retrieval](#) Packt Publishing Ltd Make the most of Angular by leveraging design patterns and best practices to build

stable and high performing apps Key Features Get to grips with the benefits and applicability of using different design patterns in Angular with the help of real-world examples Identify and prevent common problems, programming errors, and anti-patterns Packed with easy-to-follow examples that can be used to create reusable code and extensible designs Book Description This book is an insightful journey through the most valuable design patterns, and it will provide clear guidance on how to use them effectively in Angular. You will explore some of the best ways to work with Angular and how to use it to meet the stability and performance required in today's web development world. You'll get to know some Angular best practices to improve your productivity and the code base of your application. We will take you on a journey through Angular designs for the real world, using a combination of case studies, design patterns to follow, and anti-patterns to avoid. By the end of the book, you will understand the various features of Angular, and will be able to apply well-known, industry-proven design patterns in your work. What you will learn

Understand Angular design patterns and anti-patterns Implement the most useful GoF patterns for Angular Explore some of the most famous navigational patterns for Angular Get to know and implement stability patterns Explore and implement operations patterns Explore the official best practices for Angular Monitor and improve the performance of Angular applications Who this book is for If you want to increase your understanding of Angular and apply it to real-life application development, then this book is for you. *Deep Learning for Search* Packt Publishing Implement natural language processing applications with Python using a problem-solution approach. This book has numerous coding exercises that will help you to quickly deploy natural language processing techniques, such as text classification, parts of speech identification, topic modeling, text summarization, text generation, entity extraction, and sentiment analysis. *Natural Language Processing Recipes* starts by offering solutions for cleaning and preprocessing text data and ways to analyze it with advanced algorithms. You'll see practical applications of the semantic

as well as syntactic analysis of text, as well as complex natural language processing approaches that involve text normalization, advanced preprocessing, POS tagging, and sentiment analysis. You will also learn various applications of machine learning and deep learning in natural language processing. By using the recipes in this book, you will have a toolbox of solutions to apply to your own projects in the real world, making your development time quicker and more efficient. What You Will Learn Apply NLP techniques using Python libraries such as NLTK, TextBlob, spaCy, Stanford CoreNLP, and many more Implement the concepts of information retrieval, text summarization, sentiment analysis, and other advanced natural language processing techniques. Identify machine learning and deep learning techniques for natural language processing and natural language generation problems Who This Book Is For Data scientists who want to refresh and learn various concepts of natural language processing through coding exercises. **Apache Solr High Performance** Apache Solr

This title is one of the "For Newbies" IT Books published by TechNet Publications Limited. This Book is a very helpful practical guide for beginners in the topic, which can be used as a learning material for students pursuing their studies in undergraduate and graduate levels in universities and colleges and those who want to learn the topic via a short and complete resource. We hope you find this book useful in shaping your future career. **Taming Text** Packt Publishing Ltd Over 100 practical recipes to make Apache Solr faster, more reliable and return better results. **Solr Cookbook - Third Edition** Springer Nature Maximize the power of Magento 2 to improve your e-commerce business About This Book Strategic planning for maximizing your Magento 2 store's operations and sales. Important guidelines and advice for optimizing your Magento 2 store. Packed with screenshots and step-by-step instructions to leverage the hundreds of Magento 2 features. Who This Book Is For This guide is for store owners who use Magento 2 on a daily basis to operate their online stores. Proprietors will

use this guide as a reference for ensuring that they are utilizing the full power of Magento 2. Developers and solution providers will find this guide a helpful tool in identifying opportunities to help their clients navigate the complexity of Magento 2. What You Will Learn Strategies for creating multiple stores within a single Magento installation. Use of complex product types such as bundles, downloadables and virtual products. Configuring payments, shipping and taxes. Accommodating multiple languages and currencies. Installing and configuring themes. Managing content and search engine optimization. Creating promotions, up-sells and cross-sells. Leveraging the customer relationship features of Magento 2. Securing and optimizing your installation. In Detail Magento 2 has been completely re-written and re-designed to take the world's most popular open source e-commerce platform to new heights of productivity and usability. With this overhaul comes improved opportunities to leverage the world's most successful open source e-commerce platform for your online retail and wholesale business. The focus of this book is on operational

aspects: those actions you, as a proprietor, can take to give your customers a more delightful shopping experience. In this guide, we delve into all aspects of managing a Magento 2 store, from product creation to marketing, customer management to search engine optimization. This book is not only a step-by-step course in setting up your Magento 2 website, it will be a handy reference as continue to improve and refine your online presence. Style and approach A step-by-step guide where it takes the reader from the planning step all the way through launching a new Magento-powered store by building on the initial sample data included in a default Magento 2 installation. Along the way, we explore using discrete action steps how to leverage the full power of Magento 2 for both simple and advanced uses. Screenshots and step-by-step instructions not only teach the new Magento store administrator, but also serve as a handy reference for the more experienced operators. [Mastering Apache Solr 7.x](#) Packt Publishing Ltd
If you are a Hadoop programmer who

wants to learn about Flume to be able to move datasets into Hadoop in a timely and replicable manner, then this book is ideal for you. No prior knowledge about Apache Flume is necessary, but a basic knowledge of Hadoop and the Hadoop File System (HDFS) is assumed.

Mastering Apache Solr Createspace Independent Publishing Platform
Summary Deep Learning for Search teaches you how to improve the effectiveness of your search by implementing neural network-based techniques. By the time you're finished with the book, you'll be ready to build amazing search engines that deliver the results your users need and that get better as time goes on! Foreword by Chris Mattmann. Purchase of the print book includes a free eBook in PDF, Kindle, and ePub formats from Manning Publications. About the Technology Deep learning handles the toughest search challenges, including imprecise search terms, badly indexed data, and retrieving images with minimal metadata. And with modern tools like DL4J and TensorFlow, you can apply powerful DL techniques without a deep background in data science or natural

language processing (NLP). This book will show you how. About the Book Deep Learning for Search teaches you to improve your search results with neural networks. You'll review how DL relates to search basics like indexing and ranking. Then, you'll walk through in-depth examples to upgrade your search with DL techniques using Apache Lucene and Deeplearning4j. As the book progresses, you'll explore advanced topics like searching through images, translating user queries, and designing search engines that improve as they learn! What's inside

Accurate and relevant rankings Searching across languages Content-based image search Search with recommendations About the Reader For developers comfortable with Java or a similar language and search basics. No experience with deep learning or NLP needed. About the Author Tommaso Teofili is a software engineer with a passion for open source and machine learning. As a member of the Apache Software Foundation, he contributes to a number of open source projects, ranging from topics like information retrieval (such as Lucene and Solr) to natural language processing

and machine translation (including OpenNLP, Joshua, and UIMA). He currently works at Adobe, developing search and indexing infrastructure components, and researching the areas of natural language processing, information retrieval, and deep learning. He has presented search and machine learning talks at conferences including BerlinBuzzwords, International Conference on Computational Science, ApacheCon, EclipseCon, and others. You can find him on Twitter at @tteofili. Table of Contents PART 1 - SEARCH MEETS DEEP LEARNING Neural search Generating synonyms PART 2 - THROWING NEURAL NETS AT A SEARCH ENGINE From plain retrieval to text generation More-sensitive query suggestions Ranking search results with word embeddings Document embeddings for rankings and recommendations PART 3 - ONE STEP BEYOND Searching across languages Content-based image search A peek at performance

Relevant Search Packt Pub Limited 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

Apache Pulsar in Action Apress "Apache Solr 4 Cookbook" is written in a

helpful, practical style with numerous hands-on recipes to help you master Apache Solr to get more precise search results and analysis, higher performance, and reliability. This book is for developers who wish to learn how to master Apache Solr 4. This book will specifically appeal to developers who wish to quickly get to grips with the changes and new features of Apache Solr 4. This book is also handy as a practical guide to solving common problems and issues when using Apache Solr.

Solr in Action Simon and Schuster Search is everywhere, yet it is one of the most misunderstood functionalities of the IT industry. In *Apache Solr*, author Xavier Morera guides you through the basics of this highly popular enterprise search tool. You'll learn how to set up an index and how to make it searchable, then query it with a simple enterprise search. Explanations for precision and recall are also included to help you ensure that relevant, accurate results have been returned. Custom UIs using SolrItas and SolrNet are also covered. 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.

Practical Hadoop Ecosystem Simon and Schuster Summary *Taming Text*, winner of the 2013 Jolt Awards for Productivity, is a hands-on, example-driven guide to working with unstructured text in the context of real-world applications. This book explores how to automatically organize text using approaches such as full-text search, proper name recognition, clustering, tagging, information extraction, and summarization. The book guides you through examples illustrating each of these topics, as well as the foundations upon which they are built. About this Book There is so much text in our lives, we are practically drowning in it. Fortunately,

there are innovative tools and techniques for managing unstructured information that can throw the smart developer a much-needed lifeline. You'll find them in this book. *Taming Text* is a practical, example-driven guide to working with text in real applications. This book introduces you to useful techniques like full-text search, proper name recognition, clustering, tagging, information extraction, and summarization. You'll explore real use cases as you systematically absorb the foundations upon which they are built. Written in a clear and concise style, this book avoids jargon, explaining the subject in terms you can understand without a background in statistics or natural language processing. Examples are in Java, but the concepts can be applied in any language. Written for Java developers, the book requires no prior knowledge of GWT. 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. Winner of 2013 Jolt Awards: The Best Books—one of five notable books every serious programmer should read. What's

Inside When to use text-taming techniques
 Important open-source libraries like Solr
 and Mahout How to build text-processing
 applications About the Authors Grant
 Ingersoll is an engineer, speaker, and
 trainer, a Lucenecommitter, and a
 cofounder of the Mahout machine-learning
 project. Thomas Morton is the primary
 developer of OpenNLP and Maximum
 Entropy. Drew Farris is a technology
 consultant, software developer, and
 contributor to Mahout, Lucene, and Solr.
 "Takes the mystery out of very complex
 processes."—From the Foreword by Liz
 Liddy, Dean, iSchool, Syracuse University
 Table of Contents Getting started taming
 text Foundations of taming text Searching
 Fuzzy string matching Identifying people,
 places, and things Clustering text
 Classification, categorization, and tagging
 Building an example question answering
 system Untamed text: exploring the next
 frontier

Apache Solr for Newbies Simon and
 Schuster

Topic: In the open source, full-text search
 community, a leader emerges - Apache
 Solr. Apache Solr enables you to index and
 access documents orders of magnitude

faster than classical databases and
 thereby provides a first-class search
 experience to your end users. Brief
 Description: Mastering Apache Solr is a
 practical, hands-on guide containing crisp,
 relevant, systematically arranged, and
 progressive chapters. These chapters
 contain a wealth of information presented
 in a direct and easy-to-understand
 manner. This book covers key technical
 concepts, highlighting Solr's supremacy
 over classical databases in full-text search,
 which will help you accelerate your
 progress in the Solr world. Detailed
 Description: Mastering Apache Solr starts
 with an introduction to Apache Solr, its
 underlying technologies, the main
 differences between the classical database
 engines, and gradually moves to more
 advance topics like boosting performance.
 In this book, we will look under the hood of
 a large number of topics and discuss
 answers to pertinent questions like why
 denormalize data, how to import classical
 databases' data inside Apache Solr, how to
 serve Solr through five different web
 servers, how to optimize them to serve
 Solr even faster. An important and major
 topic covered in this book is Solr's

querying mechanism, which will prove to
 be a strong ally in our journey through this
 book. We then look at boosting
 performance and deploying Solr using
 several servlet servers. Finally, we cover
 how to communicate with Solr using
 different programming languages, before
 deploying it in a cloud-based environment.
 Who this book is for: Mastering Apache
 Solr has been written for developers,
 programmers, and data specialists who
 want to take a leap towards the future of
 full-text storage and search and offer a
 world-class experience to their users. The
 reader is expected to have a working
 knowledge of traditional databases, Linux-
 based operating systems, and XML
 configuration files. Style and Approach:
 Mastering Apache Solr is written lucidly
 and has a dynamically simple approach.
 From the first page to the last, the book
 remains practical and focuses on the most
 important topics used in the world of
 Apache Solr without neglecting important
 theoretical fundamentals that help you
 build a strong foundation. Conclusion:
 Mastering Apache Solr will empower you
 to provide a world-class search experience
 to your end users through the discovery of

the powerful mechanisms presented in this book.

Big Data Apress

This book describes important methodologies, tools and techniques from the fields of artificial intelligence, basically those which are based on relevant conceptual and formal development. The coverage is wide, ranging from machine

learning to the use of data on the Semantic Web, with many new topics. The contributions are concerned with machine learning, big data, data processing in medicine, similarity processing in ontologies, semantic image analysis, as well as many applications including the use of machine learning techniques for cloud security, artificial intelligence

techniques for detecting COVID-19, the Internet of things, etc. The book is meant to be a very important and useful source of information for researchers and doctoral students in data analysis, Semantic Web, big data, machine learning, computer engineering and related disciplines, as well as for postgraduate students who want to integrate the doctoral cycle.

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