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| | Autore | Kuc Rafa |
| | Titolo | Elasticsearch server : leverage Elasticsearch to create a robust, fast, and flexible search solution with ease / / Rafa Kuc, Marek Rogozinski |
| | Pubbl/distr/stampa | Birmingham : , : Packt Publishing, , 2016 |
| | ISBN | 1-78588-362-3 |
| | Edizione | [3rd ed.] |
| | Descrizione fisica | 1 online resource (556 p.) |
| | Collana | Community experience distilled |
| | Soggetti | Application software |
| | | Application software - Development |
| | | Client/server computing |
| | | Web site - Design |
| | | Electronic information resource searching |
| | Lingua di pubblicazione | Inglese |
| | Formato | Materiale a stampa |
| | Livello bibliografico | Monografia |
| | Note generali | Includes index. |
| | Nota di contenuto | Cover; Copyright; Credits; About the Authors; About the Reviewer; www.PacktPub.com; Table of Contents; Preface; Chapter 1: Getting Started with Elasticsearch Cluster; Chapter 2: Indexing Your Data; Chapter 3: Searching Your Data; Chapter 4: Extending Your Querying Knowledge; Chapter 5: Extending Your Index Structure; Chapter 6: Make Your Search Better; Chapter 7: Aggregations for Data Analysis; Chapter 8: Beyond Full-text Searching; Chapter 9: Elasticsearch Cluster in Detail; Chapter 10: Administrating Your Cluster; Chapter 11: Scaling by Example; Index; Full text searching |
| | | The basics of ElasticsearchInstalling and configuring your cluster; Manipulating data with the REST API; Searching with the URI request query; Summary; Elasticsearch indexing; Mappings configuration; Batch indexing to speed up your indexing process; Introduction to segment merging; Introduction to routing; Summary; Querying Elasticsearch; Understanding the querying process; Basic queries; Compound queries; Using span queries; Choosing the right query; Summary; Filtering your results; Highlighting; Validating your queries; Sorting data; Query rewrite; Summary; Indexing tree-like structures |
| | | Indexing data that is not flatUsing nested objects; Using the parent- |

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| Sommario/riassunto | Leverage Elasticsearch to create a robust, fast, and flexible search solution with ease About This Book Boost the searching capabilities of your system through synonyms, multilingual data handling, nested objects and parent-child documents Deep dive into the world of data aggregation and data analysis with ElasticSearch Explore a wide range of ElasticSearch modules that define the behavior of a cluster Who This Book Is For If you are a competent developer and want to learn about the great and exciting world of ElasticSearch, then this book is for you. No prior knowledge of Java or Apache Lucene is needed. What You Will Learn Configure, create, and retrieve data from your indices Use an ElasticSearch query DSL to create a wide range of queries Discover the highlighting and geographical search features offered by ElasticSearch Find out how to index data that is not flat or data that has a relationship Exploit a prospective search to search for queries not documents Use the aggregations framework to get more from your data and improve your client's search experience Monitor your cluster state and health using the ElasticSearch API as well as third-party monitoring solutions Discover how to properly set up ElasticSearch for various use cases In Detail ElasticSearch is a very fast and scalable open source search engine, designed with distribution and cloud in mind, complete with all the goodies that Apache Lucene has to offer. ElasticSearch's schema-free architecture allows developers to index and search unstructured content, making it perfectly suited for both small projects and large big data warehouses, even those with petabytes of unstructured data. This book will guide you through the world of the most commonly used ElasticSearch server functionalities. You'll start off by getting an understanding of the basics of ElasticSearch and its data indexing functionality. Next, you will see the querying capabilities of ElasticSearch, followed by a through explanation of scoring and search relevance. After this, you will explore the aggregation and data analysis capabilities of ElasticSearch and will learn how cluster administration |

and scaling can be used to boost your application performance. You'll find out how to use the friendly REST APIs and how to tune ElasticSearch to make the most of it. By the end of this book, you will have be able to create amazing search solutions as per your project's specifications. Style and approach This step-by-step g...