Elasticsearch Essentials

Bharvi Dixit

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Harness the power of ElasticSearch to build and manage scalable search and analytics solutions with this fast-paced guide

About This Book

- New to ElasticSearch? Here's what you need?a highly practical guide that gives you a quick start with ElasticSearch using easy-to-follow examples; get up and running with ElasticSearch APIs in no time
- Get the latest guide on ElasticSearch 2.0.0, which contains concise and adequate information on handling all the issues a developer needs to know while handling data in bulk with search relevancy
- Learn to create large-scale ElasticSearch clusters using best practices
- Learn from our experts?written by Bharvi Dixit who has extensive experience in working with search servers (especially ElasticSearch)

Who This Book Is For

Anyone who wants to build efficient search and analytics applications can choose this book. This book is also beneficial for skilled developers, especially ones experienced with Lucene or Solr, who now want to learn Elasticsearch quickly.

What You Will Learn

- Get to know about advanced Elasticsearch concepts and its REST APIs
- Write CRUD operations and other search functionalities using the ElasticSearch Python and Java clients
- Dig into wide range of queries and find out how to use them correctly
- Design schema and mappings with built-in and custom analyzers
- Excel in data modeling concepts and query optimization
- Master document relationships and geospatial data
- Build analytics using aggregations
- Setup and scale Elasticsearch clusters using best practices
- Learn to take data backups and secure Elasticsearch clusters

In Detail

With constantly evolving and growing datasets, organizations have the need to find actionable insights for their business. ElasticSearch, which is the world's most advanced search and analytics engine, brings the ability to make massive amounts of data usable in a matter of milliseconds. It not only gives you the power to build blazing fast search solutions over a massive amount of data, but can also serve as a NoSQL data store.

This guide will take you on a tour to become a competent developer quickly with a solid knowledge level and understanding of the ElasticSearch core concepts. Starting from the beginning, this book will cover these

core concepts, setting up ElasticSearch and various plugins, working with analyzers, and creating mappings. This book provides complete coverage of working with ElasticSearch using Python and performing CRUD operations and aggregation-based analytics, handling document relationships in the NoSQL world, working with geospatial data, and taking data backups. Finally, we'll show you how to set up and scale ElasticSearch clusters in production environments as well as providing some best practices.

Style and approach

This is an easy-to-follow guide with practical examples and clear explanations of the concepts. This fast-paced book believes in providing very rich content focusing majorly on practical implementation. This book will provide you with step-by-step practical examples, letting you know about the common errors and solutions along with ample screenshots and code to ensure your success.

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From reader reviews:

Mary Moore:

The ability that you get from Elasticsearch Essentials is the more deep you excavating the information that hide in the words the more you get thinking about reading it. It doesn't mean that this book is hard to be aware of but Elasticsearch Essentials giving you joy feeling of reading. The article author conveys their point in selected way that can be understood through anyone who read it because the author of this reserve is well-known enough. That book also makes your vocabulary increase well. That makes it easy to understand then can go with you, both in printed or e-book style are available. We suggest you for having this specific Elasticsearch Essentials instantly.

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