Mastering ElasticSearch 5.0 - Third Edition

Bharvi Dixit

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Key Features

- Master the searching, indexing, and aggregation features in ElasticSearch
- Improve users' search experience with Elasticsearch's functionalities and develop your own Elasticsearch plugins
- A comprehensive, step-by-step guide to master the intricacies of ElasticSearch with ease

Book Description

Elasticsearch is a modern, fast, distributed, scalable, fault tolerant, and open source search and analytics engine. Elasticsearch leverages the capabilities of Apache Lucene, and provides a new level of control over how you can index and search even huge sets of data.

We will give you a brief recap on the basics and also introduce you to the new features of Elasticsearch 5.0. We will guide you through the intermediate and advanced functionalities of Elasticsearchsuch as querying, indexing, searching, and modifying data. We'll also explore advanced concepts including aggregation, index control, sharding, replication, and clustering.

We'll show you the modules of monitoring and administration available in Elasticsearch, and will also cover backup and recovery. You will get an understanding of how you can scale your ElasticSearch cluster to contextualize it and improve its performance. We'll also show you how you can create your own analysis plugin in Elasticsearch.

By the end of the book, you will have all the knowledge necessary to master Elasticsearch and put it to efficient use.

What you will learn

- Understand Apache Lucene and the Elasticsearch 5.0 design and architecture
- Use and configure the new and improved default text scoring mechanism in Apache Lucene 6
- Know how to overcome the pitfalls while handling relational data in Elasticsearch
- Write and develop customized plugins to extendElasticsearch
- Explore the right way of scaling production clusters to improvethe performance of Elasticsearch

About the Author

Bharvi Dixit is an IT professional with extensive experience of working on the search servers (especially Elasticsearch) and NoSQL databases. He is currently working as a technology and search expert with GrownOut, a SAAS-based referral hiring solution provider company. He is the organizer and speaker of Delhi's ElasticsearchMeetup Group, which is one of the fastest growing Elasticsearch communities in India.

He also works as a freelance Elasticsearch consultant and has helped many small to medium size organizations adaptElasticsearch for different use cases such as creating search solutions for big data-automated intelligence platforms in the area of counter-terrorism and risk management as well as in other

domains such as recruitment, e-commerce, finance, and log monitoring.

He holds a master's degree in computer science from LBSIM, Delhi, India, and has a keen interest in creating scalable back-end platforms. His other areas ofinterest are data analytics, distributed computing, automations, and DevOps. Java and Python are the primary languages in which he loves to write code, and he has already built proprietary software for consultancy firms.

In his spare time, he loves writing blogs and reading the latest technology books. You can connect with him on LinkedIn at

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