DATA STORE INTEGRATION

Your data lives in many different places — relational databases, NoSQL databases, file systems, and more — and bringing it all together can be difficult. This course provides a strong foundation for understanding the differences between a relational database and Elasticsearch, and how to model your data accordingly. It covers how to extract data from a database, transform and enrich it, and load it into Elasticsearch. You will also explore how to keep different data stores synchronized. After completing this course, you will be prepared to model and migrate your data in a systematic and sustainable way.

LESSONS

All lessons include a hands-on lab.

Elasticsearch and Databases

Learn when Elasticsearch is a good alternative to relational databases. Using a real use case, we will discuss the different architectural options and show you that sometimes using both data stores can improve your business.

Data Modeling

Learn the main differences between a data model in a relational database and in Elasticsearch and how to migrate your model from one to another. We will also discuss when to use Elasticsearch nested and join data types.

Migrating Data into Elasticsearch

Learn how to use Logstash to migrate data from a relational database to Elasticsearch. Migrating N:N relationships is not straightforward and will cover different options on how to do it.

Synchronizing Different Data Stores

Learn the different strategies, and their trade-offs, to keep Elasticsearch synchronized with your database.

COURSE INFORMATION

Audience
Software Developers
Software Engineers
Data Architects
System Administrators
DevOps

Duration
2-3 hours

Language
English

Prerequisites
We recommend taking the following foundational courses (or having equivalent knowledge):
- Elasticsearch Engineer I
- Elasticsearch Engineer II

Requirements
- Stable internet connection
- Mac, Linux, or Windows
- Latest version of Chrome or Firefox (other browsers not supported)
- Disable any ad blockers and restart your browser before class

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