

IMPROVING SEARCH WITH TEXT ANALYSIS

Adding adequate text analysis to your search application is just the beginning to creating a great search experience. Using advanced techniques can greatly increase the quality of search results and turn a good search engine into a great one. This course starts with an introduction about different analysis techniques, and how to apply them to different business needs. You will learn how to configure analyzers to deal with different languages, how to search in compound words, and how to deal with fuzzy and phrase searches without using expensive queries. You'll also learn the difference between stemming and lemmatization, as well as the different characteristics of some of the stemming algorithms. After completing this course, you will be prepared to use n-grams, edge n-grams, and some other specialized analyzers, tokenizers, and token filters in your Elasticsearch solution.

LESSONS

All lessons include a hands-on lab.

From text to words to tokens

Create awareness about common challenges when indexing and searching text in different scripts and languages (such as word segmentation and compound words) and learn about the techniques to address them.

Language-specific analysis

Learn about the available techniques to enable searching across language specific inflections of the same word, i.e. word variations due to different tense, case, gender, plural form, etc. You learn how to improve recall with stemming and lemmatization and how to optimize the search experience of your solution.

Fuzziness, partial matches, and misspellings

Learn how to search for words that are pronounced the same, but written differently (e.g. "Geoff" and "Jeff") using phonetic token filters. Also learn how n-grams and edge n-grams can support searching within words for partial matches, and handling spelling mistakes.

COURSE INFORMATION



Audience

Software Developers
Software Engineers
Data Architects
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