Elasticsearch KSS

Agenda

- 1. Introduction to Elasticsearch
- 2. Setting up Elasticsearch on your local machine
- 3. Basic implementation / Demo
- 4. Q/A

Why use Elasticsearch?

Fast full-text search

Highly Scalable

What can Elasticsearch do

Document Searching

Logging & Analytic

Performance Monitoring

Data
Visualization
& Analytic

Security Analytic

What make Elasticsearch fast

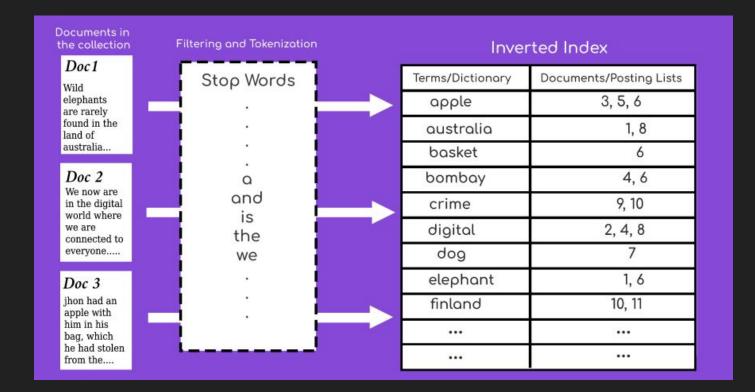
Inverted Index

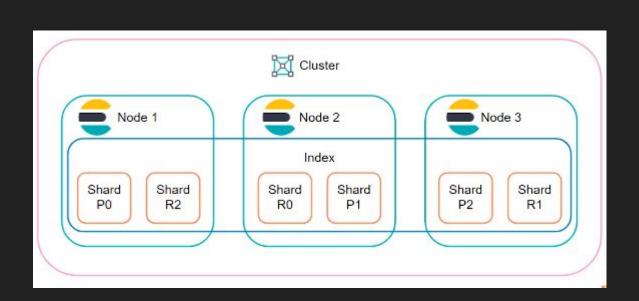
Pre computing documents in the indice

Documents are distributed into shards

Operating in cache, flush to disk afterward

However, Indices are Immutable





Examples of entities using elasticsearch

Enterprises





OOZOU Projects





Setting up elasticsearch

- Download directly from https://www.elastic.co/downloads/elasticsearch
- Setup docker
 - You can setup multiple nodes and kibana as well
 - https://www.elastic.co/quide/en/elasticsearch/reference/current/docker.html

Demo