Ethan Anthony

Section 2

Dichotomy of Elastic Search

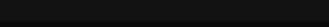


Continue >









In this Section, we are going to take a look at...

- What is an index
- Documents in ElasticSearch
 - o Type
 - o Field
- ElasticSearch Cluster
- Shard
- Replica
- Node



Ethan Anthony

Video 2.1

What is an index?



In this Video, we are going to take a look at...

- Defining an index
- Indices and Shards
- A Relational DB Analogy
- Adding an index
- Index after creation



Index

 Logical namespace which points to one or more shards in an ElasticSearch cluster and serves as the place to store related data



Index Is Broken into Shards

Shards are containers for data





Relational Database Analogy

Relational DB	ElasticSearch
Database	Index
Table	Туре
Row	Document
Column	Field



Adding an Index

- Adding:
 - o curl -XPUT http://localhost:9200/INDEX_NAME

Get all indices in a cluster:

o curl –XGET http://localhost:9200/_cat/indices?v

Get a specific index in a cluster:

o curl -XGET http://localhost:9200/INDEX_NAME?pretty



After Index Creation

- ElasticSearch assigns primary shards
 - o By default 5 shards assigned
- Shard replica created
 - o By default 1 replica assigned



Next Video

Documents in ElasticSearch

