



Learning Elasticsearch 5.0

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Section 2

Dichotomy of Elasticsearch



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

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

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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



shard 1



shard 2

Relational Database Analogy

Relational DB	ElasticSearch
Database	Index
Table	Type
Row	Document
Column	Field

Adding an Index

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

Get all indices in a cluster:

- `curl -XGET http://localhost:9200/_cat/indices?v`

Get a specific index in a cluster:

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

After Index Creation

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

Next Video

Documents in ElasticSearch