Learning ElasticSearch 5.0

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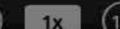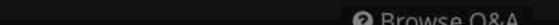Video 2.2

Documents in ElasticSearch ▶

Document

- An individual entry in ElasticSearch that serves as the primary vehicle for adding data

Type

- Representation of a class of similar document - index/type/document/

- A look at mapping:

```
Bank -> index

Customers -> type

Customer -> document

    FIRST_NAME -> field -> "String"

    LAST_NAME -> field -> "String"

    ACCOUNT -> field -> "Int"
```

0:43 / 4:20

Field

- Every document contains one or more fields, a field is an entry in a document

History   Settings   Help

```
1  PUT /test_index/test_doc/5
2  {
3    "name":"TestMe",
4    "years":3,
5    "date":"2014-03-09"
6  }
```

Console - Kibana

localhost:5601/app/kibana#/dev_tools/console?_g=()

kibana

Dev Tools

Console

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Timelion

Management

Dev Tools

History   Settings   Help

```
1   PUT /test_index/test_doc/5
2 - {
3     "name":"TestMe",
4     "years":3,
5     "date":"2014-03-09"
6 - }
```

```
1 - {
2     "_index": "test_index",
3     "_type": "test_doc",
4     "_id": "5",
5     "_version": 3,
6     "result": "created",
7 -   "_shards": {
8       "total": 2,
9       "successful": 1,
10      "failed": 0
11 -   },
12    "created": true
13 - }
```

Collapse

Packt>

localhost:5601/app/kibana#/dev_tools/console?_g=()

Dev Tools

Console

History   Settings   Help

```
1  GET /test_index/test_doc/5
2
```

```
1  {
2     "_index": "test_index",
3     "_type": "test_doc",
4     "_id": "5",
5     "_version": 3,
6     "found": true,
7     "_source": {
8        "name": "TestMe",
9        "years": 3,
10       "date": "2014-03-09"
11    }
12 }
```

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kibana

Dev Tools

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History   Settings   Help

```
1   GET /test_index/_mapping/test_doc/field/name
    ,years,date
2
```

```json
1  {
2     "test_index": {
3        "mappings": {
4           "test_doc": {
5              "date": {
6                 "full_name": "date",
7                 "mapping": {
8                    "date": {
9                       "type": "date"
10                   }
11                }
12             },
13             "name": {
14                "full_name": "name",
15                "mapping": {
16                   "name": {
17                      "type": "text",
18                      "fields": {
19                         "keyword": {
20                            "type": "keyword",
21                            "ignore_above": 256
22                         }
23                      }
24                   }
25                }
26             },
27             "years": {
28                "full_name": "years",
29                "mapping": {
30                   "years": {
31                      "type": "long"
32                   }
33                }
34             }
35          }
36       }
```

Collapse

Packt>