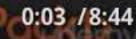
Ethan Anthony

Video 3.3

Using Bulk API



Continue S









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

- Adding multiple documents in query body
- Adding multiple documents from external file

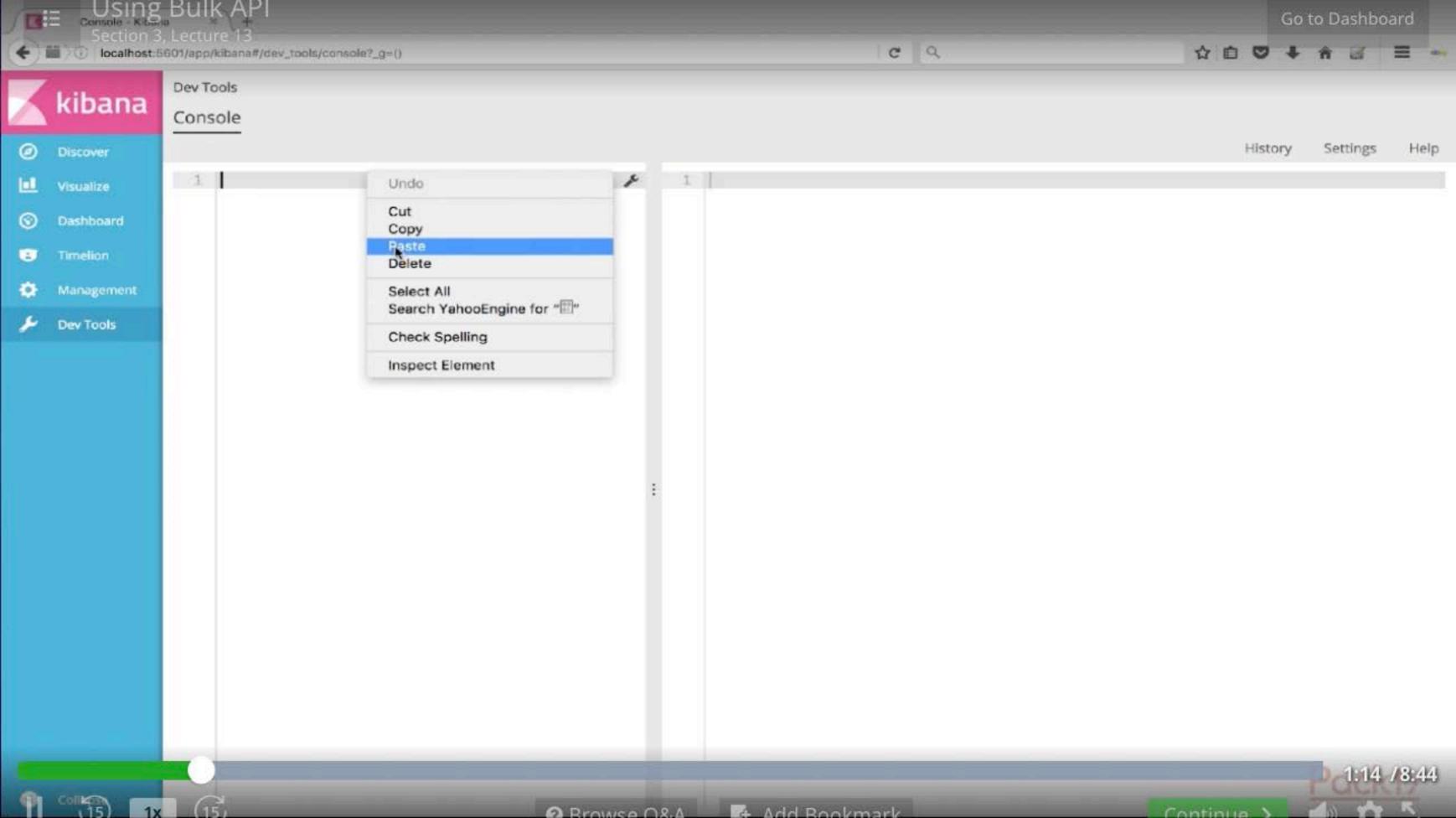


#### Bulk API

- Allows you to index multiple documents at one time
- Example:

```
curl -XPOST http://localhost:9200/_bulk -d '
{"index": { "_index":"books", "_type":"author", "_id":"1"}}
{"name":"Johnny","isbn":23553}'
{"index": { "_index":"books", "_type":"author", "_id":"2"}}
{"name":"Michael","isbn":24689}'
```





Settings

Help

History

localhost:5601/app/kibana#/dev\_tools/console?\_g=()



**Dev Tools** 

#### Console

Discover

Dashboard

Timelian

Management

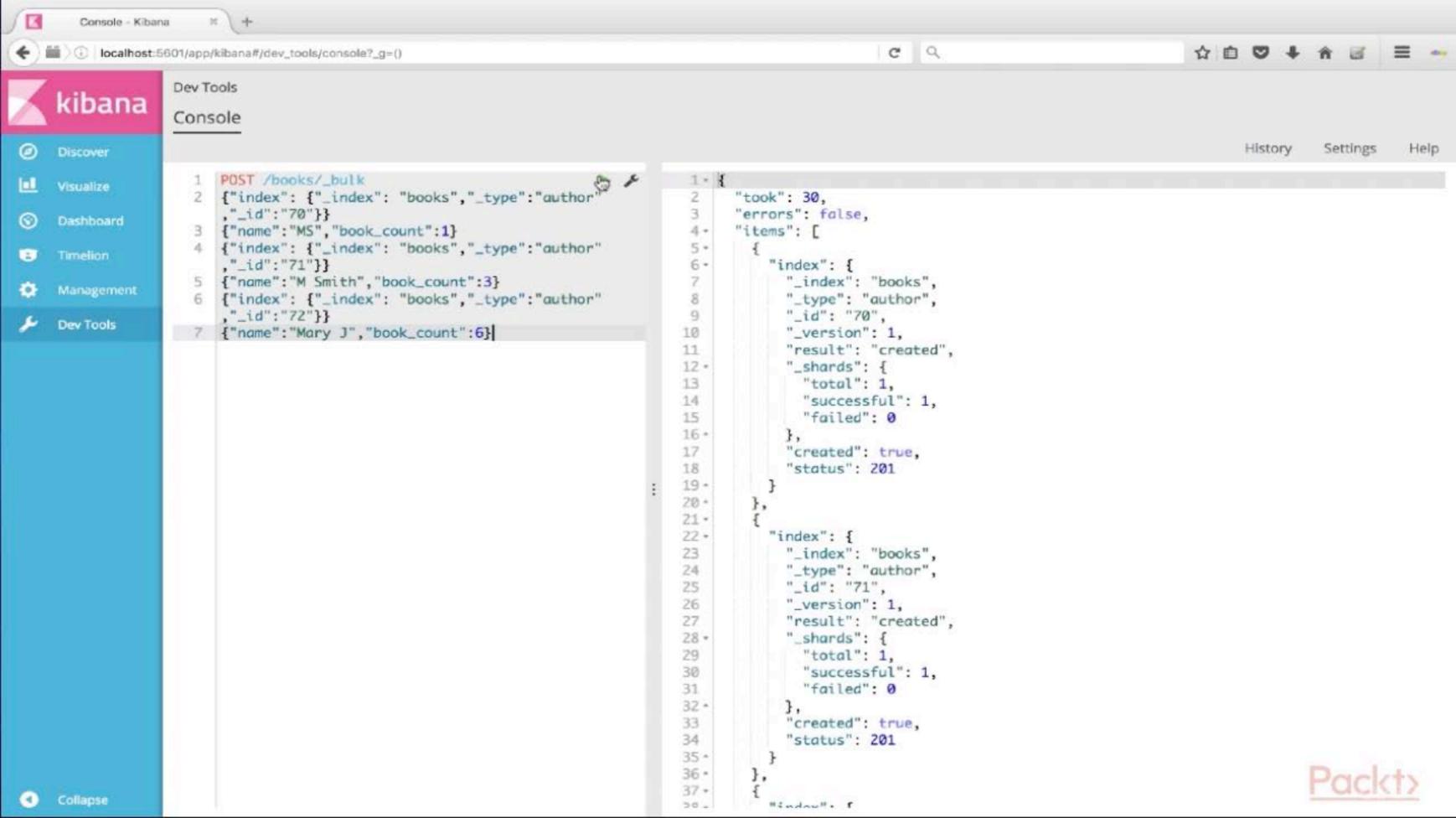
**Dev Tools** 

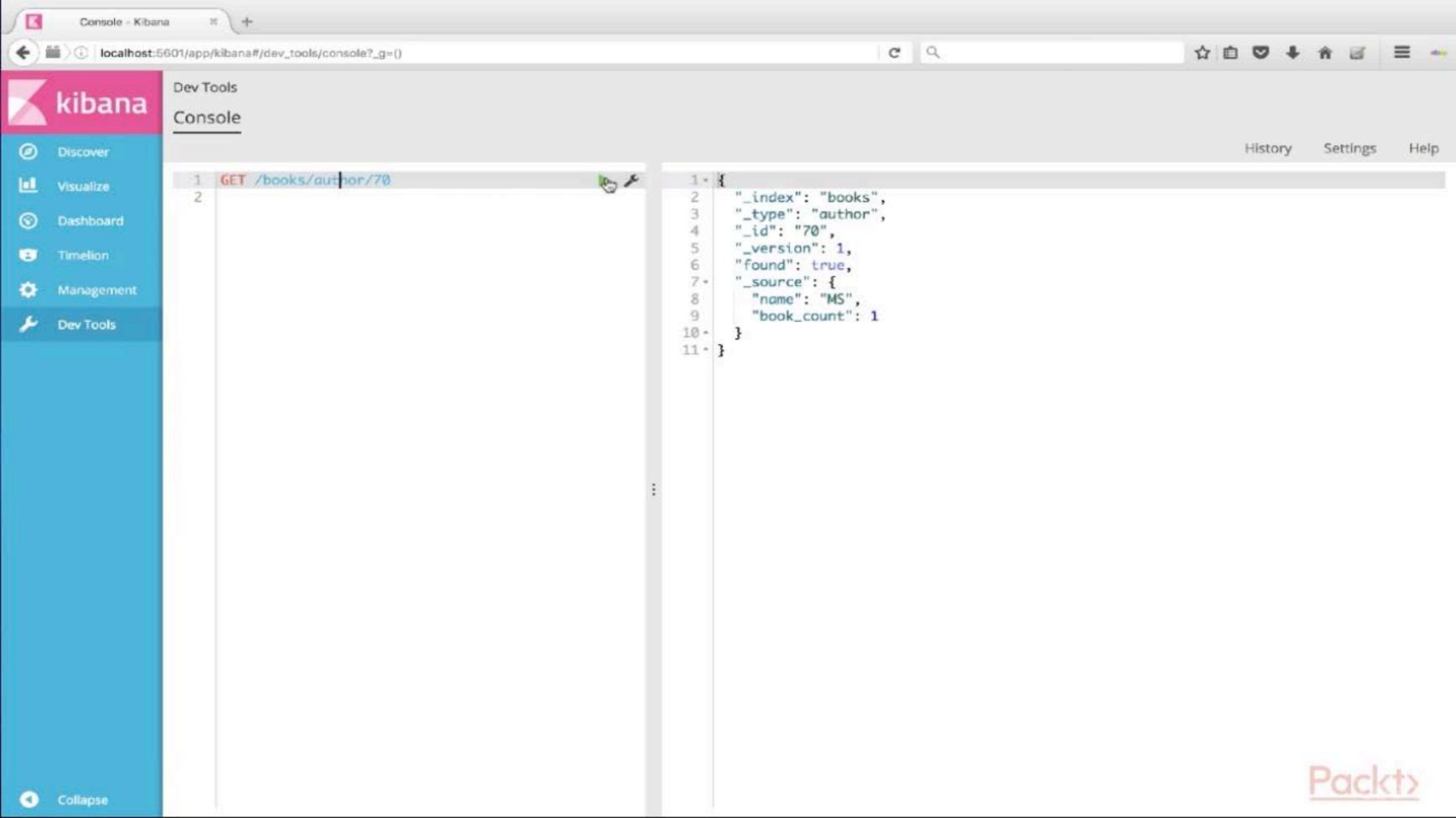
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     {"index": {"_index": "books", "_type": "author"
      ,"_id":"71"}}
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     {"index": {"_index": "books", "_type": "author"
      ,"_id":"72"}}
7 {"name":"Mary J", "book_count":6}
```

1:16 /8:44

Continue >

c a





× books. son × store Json mappings.json PUT /books "settings": { "number\_of\_shards": 1, "number\_of\_replicas": 0 "mappings": { "book" : { "properties": { 10 "title": { 11 12 13 "type": "text" "description": { 14 "type": "text" 15 },
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Packathy

```
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            "format": "yyyy-MM-dd"
        },
        "isbn": {
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},
"store": {
    "properties": {
        "name": {
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```



```
PUT /books
 2
 3
          "settings": {
 4
              "number_of_shards": 1,
 5
              "number_of_replicas": 0
 6
7
8
9
          },
          "mappings": {
              "book" : {
                  "properties": {
                       "title": {
10
11
                           "type": "text"
                       },
12
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                       },
15
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21
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23
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24
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**Packatiny** 

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Line 1, Column 1

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42 43

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store.json

books.json

mappings.json

4

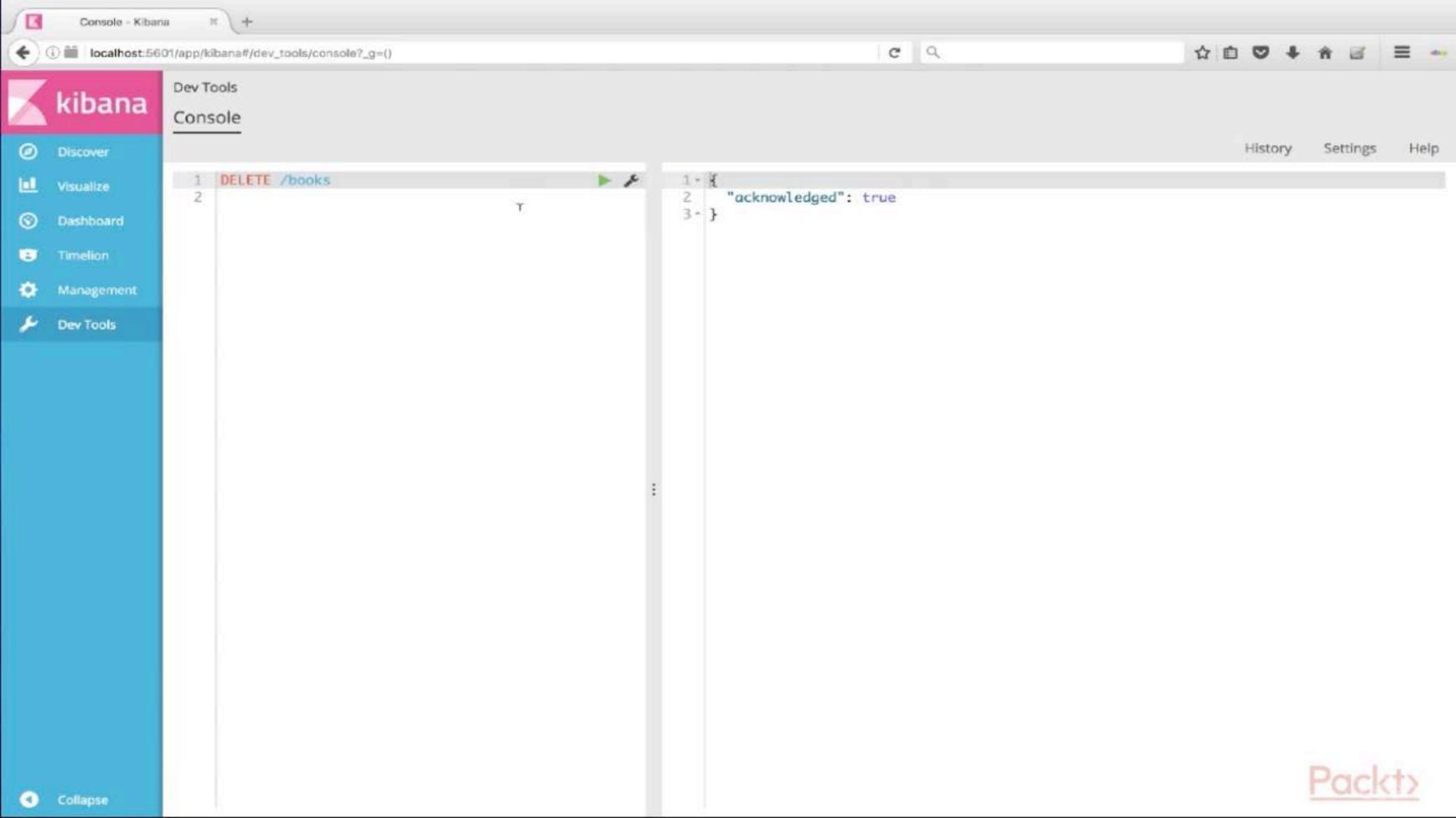
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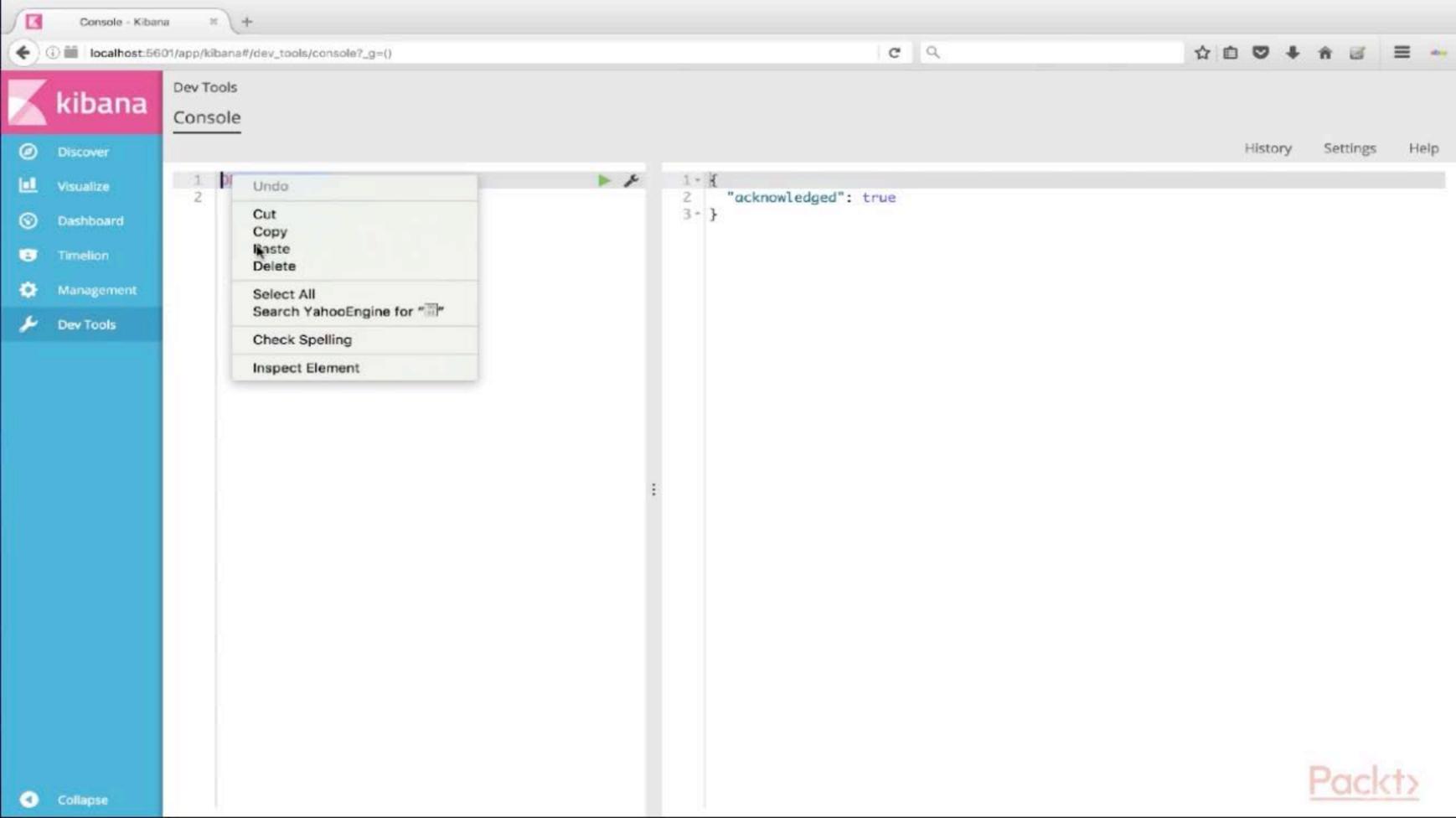
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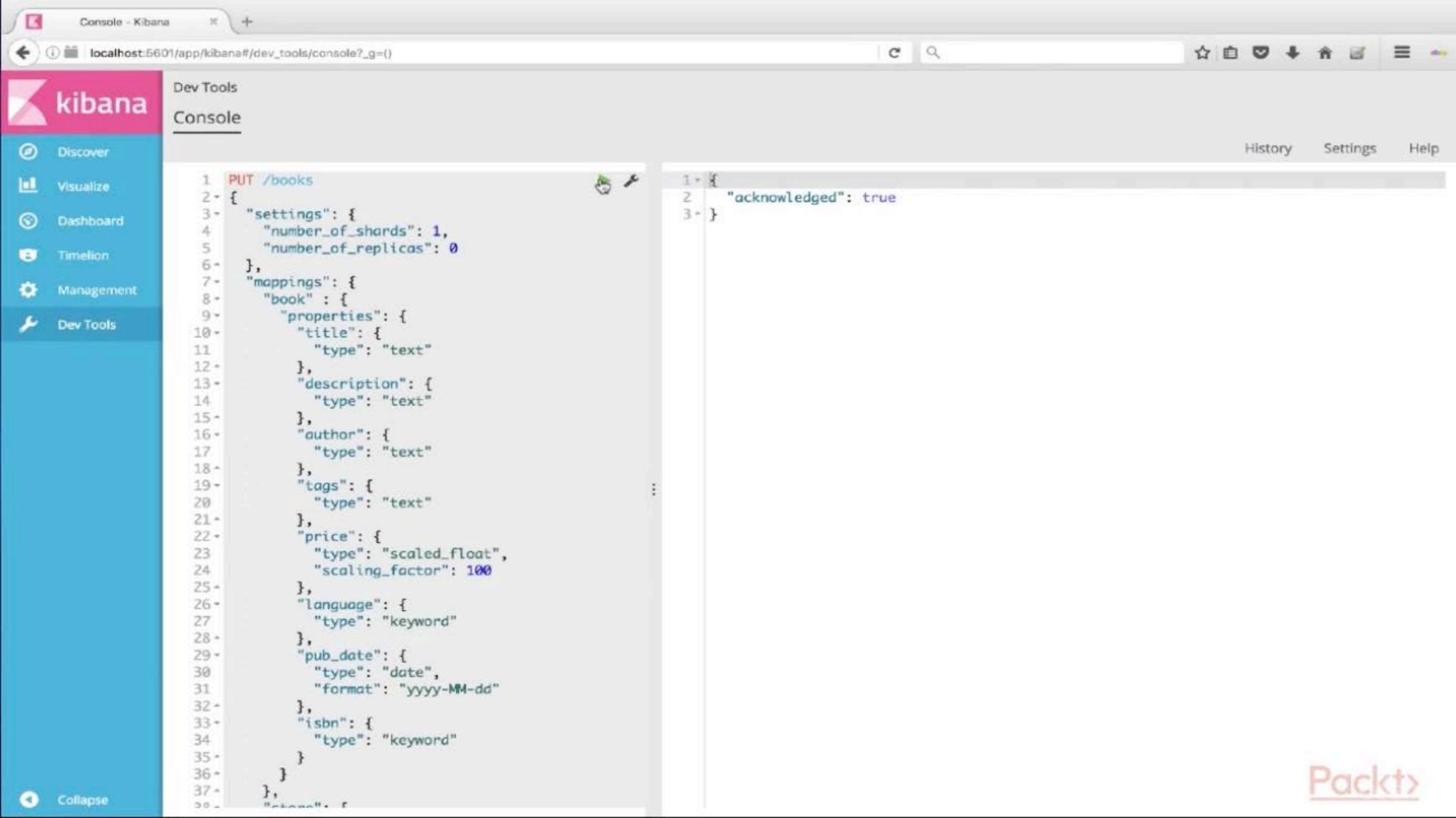
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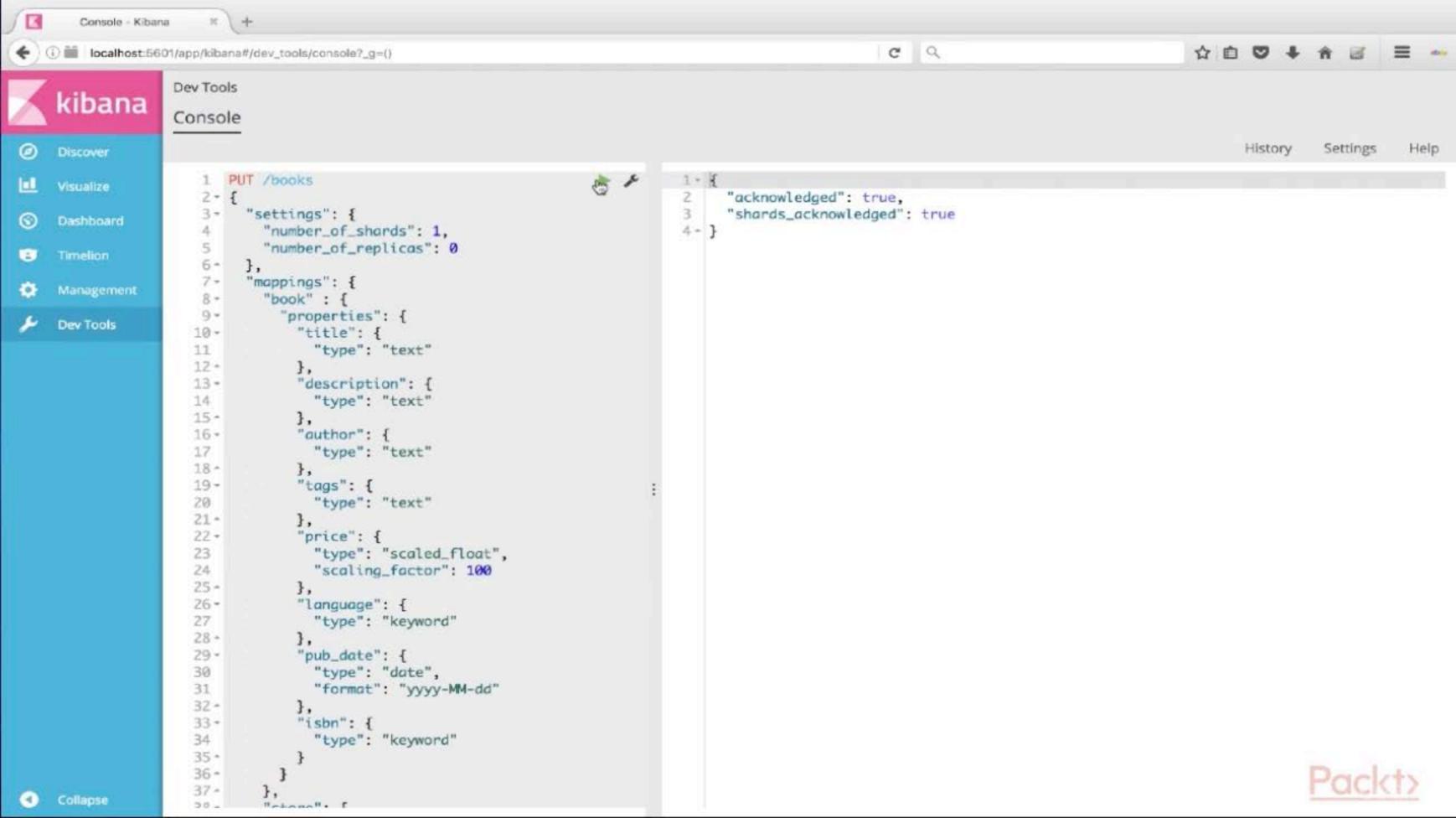
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```
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brings welcome simplicity to our daily decisions about food. Written with clarity, concision, and wit that has become bestselling
author Michael Pollan's trademark, this indispensable handbook lays out a set of straightforward, memorable rules for eating wise
ly, one per page, accompanied by a concise explanation. It's an easy-to-use guide that draws from a variety of traditions, suggest
ing how different cultures through the ages have arrived at the same enduring wisdom about food. Whether at the supermarket or an
all-you-can-eat buffet, this is the perfect guide for anyone who ever wondered, 'What should I eat?'","author":"Michael Pollan","t
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brings welcome simplicity to our daily decisions about food. Written with clarity, concision, and wit that has become bestselling
author Michael Pollan's trademark, this indispensable handbook lays out a set of straightforward, memorable rules for eating wise
ly, one per page, accompanied by a concise explanation. It's an easy-to-use guide that draws from a variety of traditions, suggest
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Ethans-MacBook-Pro-2:es eaofxr$ curl -XGET http://localhost:9200/books/book/18?pretty
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ome bestselling author Michael Pollan's trademark, this indispensable handbook lays out a set of straightforward, memorable rules
for eating wisely, one per page, accompanied by a concise explanation. It's an easy-to-use guide that draws from a variety of trad
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Ethans-MacBook-Pro-2:es eaofxr$ curl -XGET http://localhost:9200/books/book/18?pretty
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ice, Food Rules brings welcome simplicity to our daily decisions about food. Written with clarity, concision, and wit that has bec
ome bestselling author Michael Pollan's trademark, this indispensable handbook lays out a set of straightforward, memorable rules
for eating wisely, one per page, accompanied by a concise explanation. It's an easy-to-use guide that draws from a variety of trad
itions, suggesting how different cultures through the ages have arrived at the same enduring wisdom about food. Whether at the sup
ermarket or an all-you-can-eat buffet, this is the perfect guide for anyone who ever wondered, 'What should I eat?'",
    "author" : "Michael Pollan",
    "tags" : "food",
    "price" : 8.9.
    "language" : "en",
    "pub_date" : "2009-12-29",
    "isbn" : "014311638"
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":1, "result": "created", "_shards": {"total":1, "successful":1, "failed":0}, "created": true, "status": 201}}, {"index": {"_index": "books", "_
type":"store","_id":"3","_version":1,"result":"created","_shards":{"total":1,"successful":1,"failed":0},"created":true,"status":20
1}},{"index":{"_index":"books","_type":"store","_id":"4","_version":1,"result":"created","_shards":{"total":1,"successful":1,"fail
ed":0}, "created":true, "status":201}}, {"index":{"_index":"books", "_type":"store", "_id":"5", "_version":1, "result":"created", "_shards
":{"total":1, "successful":1, "failed":0}, "created":true, "status":201}}]}Ethans-MacBook-Pro-2:es eaofxr$
Ethans-MacBook-Pro-2:es eaofxr$
```

```
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":1,"result":"created","_shards":{"total":1,"successful":1,"failed":0},"created":true,"status":201}},{"index":{"_index":"books","_
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":{"total":1, "successful":1, "failed":0}, "created":true, "status":201}}]}Ethans-MacBook-Pro-2:es eaofxr$
Ethans-MacBook-Pro-2:es eaofxr$ curl -XGET http://localhost:9200/books/store/1?pretty
  "_index" : "books",
  "_type" : "store",
  "_id" : "1",
  "_version" : 1,
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    "location" : {
      "lat" : 25.750212,
      "lon" : -80.260589
```

## Final Notes: ElasticSearch 5.0 Changes

- Types: string is NOW text and keyword
- Scaled\_float parameter with scale\_factor of 100
  - o 10.45 is stored as 1045



## Summary

- · Added documents with and without id
- Deleted documents
- Used the Bulk API



### Next Section

Querying with RESTful API

