

Iniciando o Elasticsearch em Docker

Docker Desktop Windows

```
PS E:\projetos\docker-elasticsearch\elastic> wsl -l -v
```

NAME	STATE	VERSION
* docker-desktop-data	Running	2
docker-desktop	Running	2
Ubuntu-20.04	Running	2

```
PS E:\projetos\docker-elasticsearch\elastic> wsl -d docker-desktop
```

```
LAPTOP-V176DRSL:/tmp/docker-desktop-root/mnt/host/e/projetos/docker-elasticsearch/elastic# sysctl -w vm.max_map_count=262144
```

```
vm.max_map_count = 262144
```

```
LAPTOP-V176DRSL:/tmp/docker-desktop-root/mnt/host/e/projetos/docker-elasticsearch/elastic#
```

Docker Wsl2 Linux

```
feliciani@LAPTOP-V176DRSL:~$ sudo sysctl -w vm.max_map_count=262144
```

```
[sudo] password for feliciani:
```

```
vm.max_map_count = 262144
```

Docker Desktop Windows

```
PS E:\projetos\docker-elasticsearch\elastic> docker-compose up -d
Docker Compose is now in the Docker CLI, try 'docker compose up'
```

```
Starting elastic_elasticsearch_1 ... done
```


```
Starting elastic_kibana_1 ... done
```




```
Starting elastic_logstash_1 ... done
```

```
PS E:\projetos\docker-elasticsearch\elastic> docker ps
```

CONTAINER ID	IMAGE	COMMAND	CREATED	STATUS	PORTS
		NAMES			
d3d012693acc	docker.elastic.co/logstash/logstash:7.9.2	"/usr/local/bin/dock...	17 hours ago	Up 33 minutes	0.0.0.0:5044->5044/tcp,
:::5044->5044/tcp,	0.0.0.0:9600->9600/tcp, :::9600->9600/tcp	elastic_logstash_1			
ca700688aa0d	docker.elastic.co/kibana/kibana:7.9.2	"/usr/local/bin/dumb...	17 hours ago	Up 33 minutes	0.0.0.0:5601->5601/tcp,
:::5601->5601/tcp		elastic_kibana_1			
37a2fb5958f4	docker.elastic.co/elasticsearch/elasticsearch:7.9.2	"/tini -- /usr/local...	17 hours ago	Up 34 minutes	0.0.0.0:9200->9200/tcp,
:::9200->9200/tcp,	9300/tcp	elastic_elasticsearch_1			

Docker



 docker




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Containers / Apps


Images


Dev Environments


  elastic
E:\projetos\docker-elasticsearch\elastic

Open in Visual Studio Code   



CONTAINERS

 elastic_logstash_1
docker.elastic.co/logstash/logstash:7.9.2
RUNNING PORT: 5044

 elastic_kibana_1
docker.elastic.co/kibana/kibana:7.9.2
RUNNING PORT: 5601

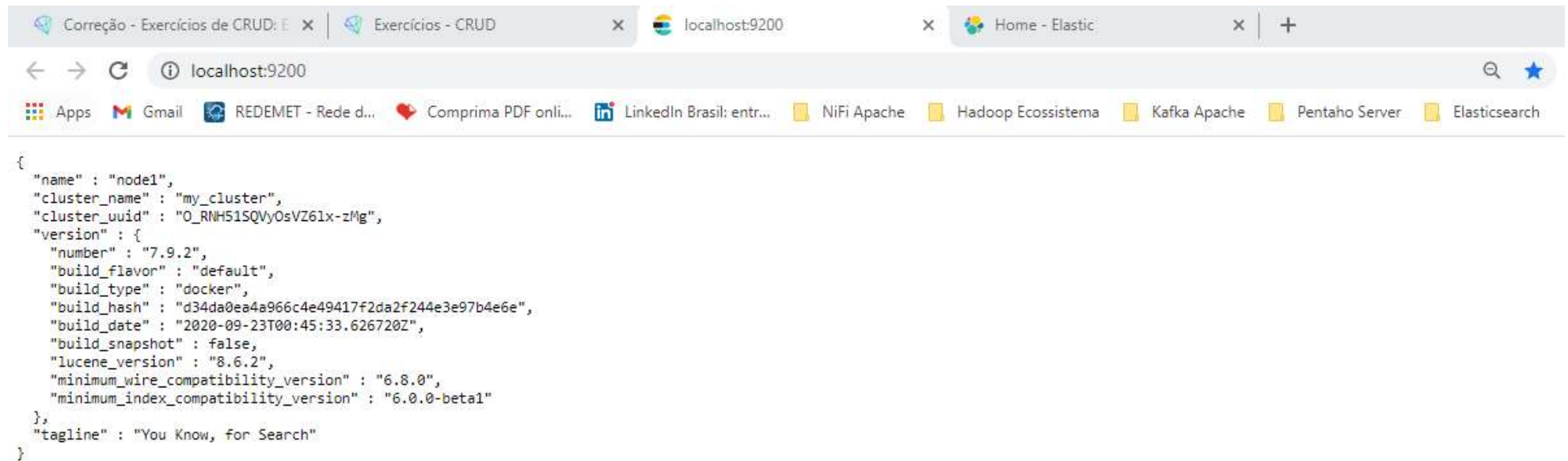
 elastic_elasticsearch_1
docker.elastic.co/elasticsearch/elasticsearch:7.9.2
RUNNING PORT: 9200

```
dest":"empty","referer":"http://localhost:5601/app/home","accept-encoding":"gzip, deflate, br","accept-language":"pt-BR,pt;q=0.9,en-US;q=0.8,en;q=0.7"},"remoteAddress":"172.18.0.1","userAgent":"Mozilla/5.0 (Windows NT 10.0; Win64; x64) AppleWebKit/537.36 (KHTML, like Gecko) Chrome/91.0.4472.77 Safari/537.36","referer":"http://localhost:5601/app/home"},"res":{"statusCode":200,"responseTime":751,"contentLength":9,"message":"POST /api/ui_metric/report 200 751ms - 9.0B"}
elasticsearch_1 | {"type": "server", "timestamp": "2021-06-10T13:42:53,810Z", "level": "INFO", "component": "o.e.m.j.JvmGcMonitorService", "cluster.name": "my_cluster", "node.name": "node1", "message": "[gc][1024] overhead, spent [304ms] collecting in the last [1s]", "cluster.uuid": "O_RNH51SQVyOsVZ6lx-zMg", "node.id": "I0MovYK2T0eNK1jQUwWviA" }
elasticsearch_1 | {"type": "server", "timestamp": "2021-06-10T13:50:02,818Z", "level": "WARN", "component": "o.e.m.f.FsHealthService", "cluster.name": "my_cluster", "node.name": "node1", "message": "health check of [/usr/share/elasticsearch/data/nodes/0] took [5569ms] which is above the warn threshold of [5s]", "cluster.uuid": "O_RNH51SQVyOsVZ6lx-zMg", "node.id": "I0MovYK2T0eNK1jQUwWviA" }
elasticsearch_1 | {"type": "server", "timestamp": "2021-06-10T13:50:12,644Z", "level": "WARN", "component": "o.e.m.j.JvmGcMonitorService", "cluster.name": "my_cluster", "node.name": "node1", "message": "[gc][young][1454][20] duration [2.5s], collections [1]/[3.1s], total [2.5s]/[4.5s], memory [367.7mb]->[86.2mb]/[512mb], all_pools {[young][282mb]->[0b]/[0b]}{[old][76.2mb]->[76.2mb]/[512mb]}{[survivor][9.4mb]->[10mb]/[0b]}", "cluster.uuid": "O_RNH51SQVyOsVZ6lx-zMg", "node.id": "I0MovYK2T0eNK1jQUwWviA" }
elasticsearch_1 | {"type": "server", "timestamp": "2021-06-10T13:50:12,645Z", "level": "WARN", "component": "o.e.m.j.JvmGcMonitorService", "cluster.name": "my_cluster", "node.name": "node1", "message": "[gc][1454] overhead, spent [2.5s] collecting in the last [3.1s]", "cluster.uuid": "O_RNH51SQVyOsVZ6lx-zMg", "node.id": "I0MovYK2T0eNK1jQUwWviA" }
```

Search...  Stick to bottom 

Acessado o Elasticsearch

<http://localhost:9200>



```
{
  "name" : "node1",
  "cluster_name" : "my_cluster",
  "cluster_uuid" : "O_RNH51SQVyOsVZ61x-zMg",
  "version" : {
    "number" : "7.9.2",
    "build_flavor" : "default",
    "build_type" : "docker",
    "build_hash" : "d34da0ea4a966c4e49417f2da2f244e3e97b4e6e",
    "build_date" : "2020-09-23T00:45:33.626720Z",
    "build_snapshot" : false,
    "lucene_version" : "8.6.2",
    "minimum_wire_compatibility_version" : "6.8.0",
    "minimum_index_compatibility_version" : "6.0.0-beta1"
  },
  "tagline" : "You Know, for Search"
}
```

Acessando o KIBANA

<http://localhost:5601>

The screenshot shows the Kibana web interface in a browser window. The browser's address bar displays `localhost:5601/app/home/`. The browser's tab bar includes several tabs: 'Correção - Exercícios de CRUD', 'Exercícios - CRUD', 'localhost:9200', and 'Home - Elastic'. The browser's bookmark bar contains links to 'Apps', 'Gmail', 'REDEMET - Rede d...', 'Comprima PDF onli...', 'LinkedIn Brasil: entr...', 'NiFi Apache', 'Hadoop Ecosystema', 'Kafka Apache', 'Pentaho Server', and 'Elasticsearch'.

The Kibana interface features a left-hand navigation menu with the following sections:

- Home** (selected)
- Recently viewed**: No recently viewed items
- Kibana**
 - Discover
 - Dashboard
 - Canvas
 - Maps
 - Machine Learning
 - Visualize
- Enterprise Search**
 - App Search
 - Workplace Search
- Observability**
 - Overview
 - Logs

The main content area displays several key sections:

- Logs**: Ingest logs from popular data sources and easily visualize in preconfigured dashboards. Includes an 'Add log data' button.
- Metrics**: Collect metrics from the operating system and services running on your servers. Includes an 'Add metric data' button.
- Security**: SIEM + Endpoint Security. Protect hosts, analyze security information and events, hunt threats, automate detections, and create cases. Includes an 'Add events' button.
- Data Ingestion Options**:
 - Add sample data**: Get a sample dataset and a Kibana dashboard.
 - Upload data from log file**: Import a CSV, NDJSON, or log file.
 - Use Elasticsearch data**: Connect to your Elasticsearch index.
- Explore Data**: Includes **App Search** (Leverage dashboards, analytics, and APIs for advanced application monitoring).
- Manage and Administer the Elastic Stack**: Includes **Console** (Skip cURL and use this JSON interface to work with your data directly) and **Rollups** (Summarize and store historical data in a smaller interval for future analysis).

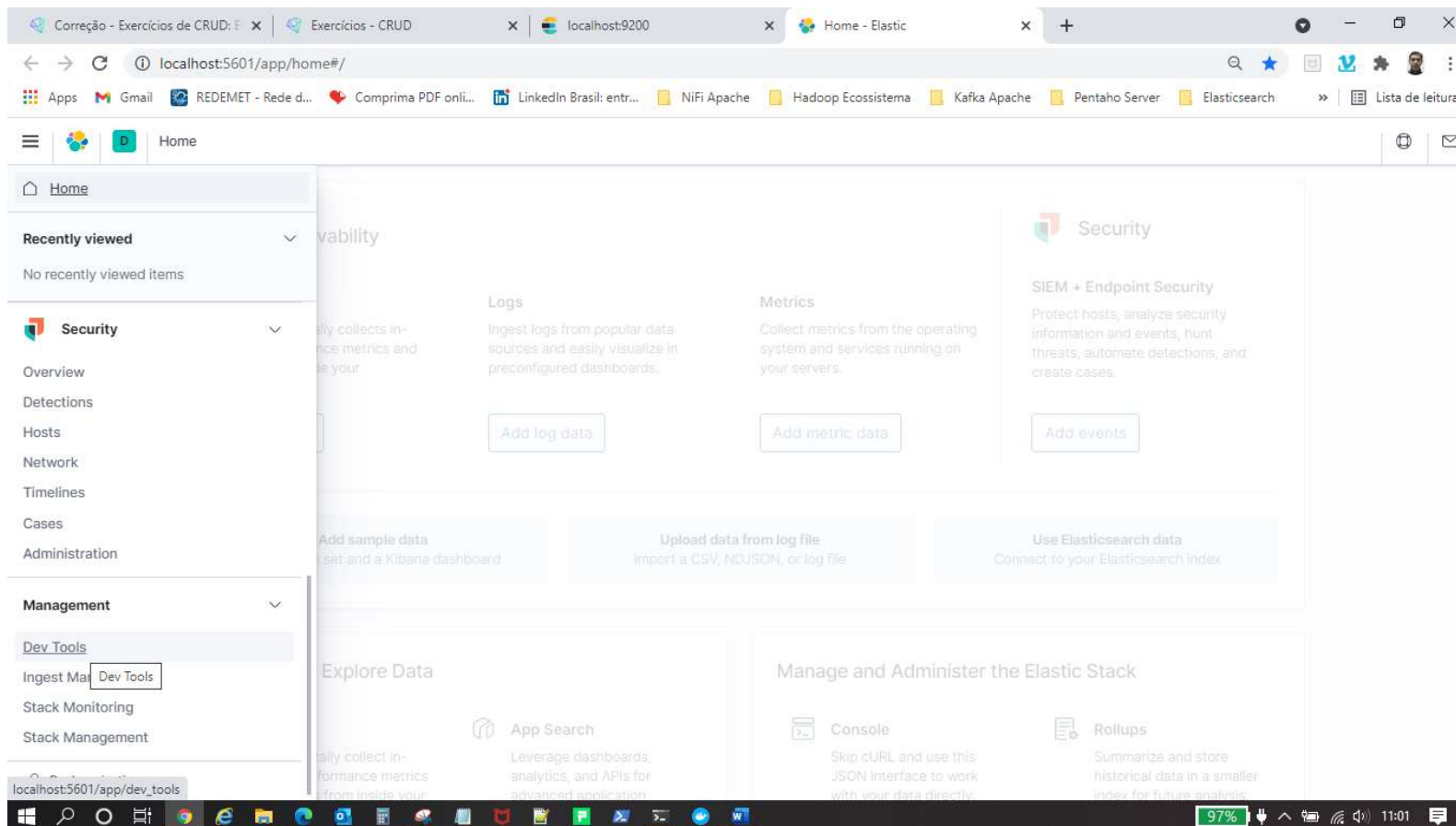
Exercitando CRUD no Elasticsearch através da interface do Kibana

1. Criar o índice produto e inserir os seguintes documentos:

- `_id: 1, "nome": "mouse", "qtd": 50, "descricao": "com fio USB, compatível com Windows, Mac e Linux"`
- `_id: 2, "nome": "hd", "qtd": 20, "descricao": "Interface USB 2.0, 500GB, Sistema: Windows 10, Windows 8, Windows 7 "`
- `_id: 3, "nome": "memória ram", "qtd": 10, "descricao": "8GB, DDR4"`
- `_id: 4, "nome": "cpu", "qtd": 15, "descricao": "i5, 2.5Ghz"`

- Clicar no Menu

- Clicar em Dev Tools



- Clicar no Send

The screenshot shows a web browser window with the address bar displaying `localhost:5601/app/dev_tools#/console`. The browser's tab bar includes several tabs: "Correção - Exercícios de CRUD: E...", "Exercícios - CRUD", "localhost:9200", and "Dev Tools - Elastic". The browser's bookmark bar contains links to "Apps", "Gmail", "REDEMET - Rede d...", "Comprima PDF onli...", "LinkedIn Brasil: entr...", "NiFi Apache", "Hadoop Ecossistema", "Kafka Apache", "Pentaho Server", "Elasticsearch", and "Lista de leitura".

The DevTools interface is open, showing the "Console" tab. The "History" tab is also visible, showing a single entry labeled "1". The "Settings" and "Help" tabs are also present. The "Console" tab displays a REST client interface with a "GET _search" request. The request body is a JSON object: `{ "query": { "match_all": {} } }`. A tooltip with the text "Click to send request" is positioned over the "Send" button (a green play icon) in the REST client interface.

The Windows taskbar at the bottom of the screen shows the Start button, a search icon, and several application icons including Chrome, Edge, File Explorer, and various office applications. The system tray on the right shows a battery level of 97%, network status, and the time 11:02.

Após clicar no send aparecerá todas as informações de todos os ÍNDICES

The screenshot shows a web browser window with the address bar at `localhost:5601/app/dev_tools#/console`. The browser tabs include "Correção - Exercícios de CRUD", "Exercícios - CRUD", "localhost:9200", and "Dev Tools - Elastic". The browser's bookmark bar shows links to "Apps", "Gmail", "REDEMET - Rede d...", "Comprima PDF onli...", "LinkedIn Brasil: entr...", "NiFi Apache", "Hadoop Ecossistema", "Kafka Apache", "Pentaho Server", "Elasticsearch", and "Lista de leitura".

The DevTools console is open, showing a REST client request and its response. The request is a `GET _search` with a query object containing `"match_all": {}`. The response is a JSON object indicating a successful search across all indices.

```
1 GET _search
2 {
3   "query": {
4     "match_all": {}
5   }
6 }
```

```
1 {
2   "took" : 103,
3   "timed_out" : false,
4   "_shards" : {
5     "total" : 5,
6     "successful" : 5,
7     "skipped" : 0,
8     "failed" : 0
9   },
10  "hits" : {
11    "total" : {
12      "value" : 32,
13      "relation" : "eq"
14    },
15    "max_score" : 1.0,
16    "hits" : [
17      {
18        "_index" : ".kibana-event-log-7.9.2-000001",
19        "_type" : "_doc",
20        "_id" : "QSmp8nkB4aT5t1KcK8So",
21        "_score" : 1.0,
22        "_source" : {
23          "event" : {
24            "provider" : "eventLog",
25            "action" : "starting"
26          },
27          "message" : "eventLog starting",
28          "@timestamp" : "2021-06-09T21:22:54.482Z",
29          "ecs" : {
30            "version" : "1.5.0"
31          },
32          "kibana" : {
33            "server_uuid" : "2a958f45-80cf-41e6-94f0-9dceb91da7e6"
34          }
35        }
36      }
37    ]
38  }
39 }
```

The console status bar shows a `200 - OK` response with a duration of `2996 ms`. The Windows taskbar at the bottom shows the system clock at 11:03 and a battery level of 97%.

Após digitar as informações do POST e clicar no send, aparecerá o INDEX criado

`_id: 1, "nome": "mouse", "qtd": 50, "descricao": "com fio USB, compatível com Windows, Mac e Linux"`

The screenshot shows a web browser window with the address bar at `localhost:5601/app/dev_tools#/console`. The browser tabs include "Correção - Exercícios de CRUD", "Exercícios - CRUD", "localhost:9200", and "Dev Tools - Elastic". The browser's address bar shows `localhost:5601/app/dev_tools#/console`. The browser's toolbar includes icons for Apps, Gmail, REDEMET - Rede d..., Comprima PDF onli..., LinkedIn Brasil: entr..., NiFi Apache, Hadoop Ecossistema, Kafka Apache, Pentaho Server, Elasticsearch, and Lista de leitura.

The browser window displays the DevTools console, which is divided into two panes. The left pane shows the history of requests, and the right pane shows the details of the selected request.

The left pane (History) shows a single request:

```
1 POST produto/_doc/1
2 {
3   "nome": "mouse",
4   "qtd": 50,
5   "descricao": "com fio USB, compatível com Windows, Mac e Linux"
6 }
```

The right pane (Details) shows the response of the request, which is a JSON object:

```
1 {
2   "_index" : "produto",
3   "_type" : "_doc",
4   "_id" : "1",
5   "_version" : 1,
6   "result" : "created",
7   "_shards" : {
8     "total" : 2,
9     "successful" : 1,
10    "failed" : 0
11  },
12   "_seq_no" : 0,
13   "_primary_term" : 1
14 }
15
```

The response status is "201 - Created" and the response time is "29327 ms".

The Windows taskbar is visible at the bottom of the screen, showing the Start button, search icon, and several application icons. The system tray shows the battery level at 97%, network status, and the time 11:14.

- Criado o ID 2 com o segundo produto

_id: 2, "nome": "hd", "qtd": 20, "descricao": "Interface USB 2.0, 500GB, Sistema: Windows 10, Windows 8, Windows 7 "

The screenshot shows a web browser window with the address bar at `localhost:5601/app/dev_tools#/console`. The DevTools console is open, displaying two REST client requests and their corresponding JSON responses.

Request 1:

```
1 POST produto/_doc/2
2 {
3   "nome": "hd",
4   "qtd": 20,
5   "descricao": "Interface USB 2.0, 500GB, Sistema: Windows 10, Windows 8, Windows 7 "
6 }
```

Response 1:

```
1 {
2   "_index" : "produto",
3   "_type" : "_doc",
4   "_id" : "2",
5   "_version" : 1,
6   "result" : "created",
7   "_shards" : {
8     "total" : 2,
9     "successful" : 1,
10    "failed" : 0
11  },
12   "_seq_no" : 1,
13   "_primary_term" : 1
14 }
```

Request 2:

```
8 POST produto/_doc/1
9 {
10  "nome": "mouse",
11  "qtd": 50,
12  "descricao": "com fio USB, compatível com Windows, Mac e Linux"
13 }
```

The console also shows a status bar at the top right indicating "201 - Created" and "358 ms". The Windows taskbar at the bottom shows the time as 11:23 and a battery level of 97%.

- Criado o terceiro INDEX

`_id: 3, "nome": "memória ram", "qtd": 10, "descricao": "8GB, DDR4"`

The screenshot shows a web browser window with the address bar at `localhost:5601/app/dev_tools#/console`. The browser's DevTools console is open, displaying a REST client interface. The left pane shows a series of REST client requests, and the right pane shows the response for the selected request.

REST Client Requests:

```
1 POST produto/_doc/3
2 {
3   "nome": "memória ram",
4   "qtd": 10,
5   "descricao": "8GB, DDR4"
6 }
7
8 POST produto/_doc/2
9 {
10  "nome": "hd",
11  "qtd": 20,
12  "descricao": "Interface USB 2.0, 500GB, Sistema: Windows 10, Windows 8, Windows 7"
13 }
14
15 POST produto/_doc/1
16 {
17  "nome": "mouse",
18  "qtd": 50,
19  "descricao": "com fio USB, compatível com Windows, Mac e Linux"
20 }
```

Response (201 - Created, 242 ms):

```
1 {
2   "_index" : "produto",
3   "_type" : "_doc",
4   "_id" : "3",
5   "_version" : 1,
6   "result" : "created",
7   "_shards" : {
8     "total" : 2,
9     "successful" : 1,
10    "failed" : 0
11  },
12   "_seq_no" : 2,
13   "_primary_term" : 1
14 }
```

The Windows taskbar at the bottom shows the system time as 11:26 and a battery level of 97%.

- Criado o quarto INDEX

`_id: 4, "nome": "cpu", "qtd": 15, "descricao": "i5, 2.5Ghz"`

The screenshot shows the DevTools - Elastic console interface. The left pane displays a REST client request, and the right pane shows the corresponding JSON response.

Request:

```
1 POST produto/_doc/4
2 {
3   "nome": "CPU",
4   "qtd": 15,
5   "descricao": "i5, 2.5Ghz"
6 }
7
8 POST produto/_doc/3
9 {
10  "nome": "memória ram",
11  "qtd": 10,
12  "descricao": "8GB, DDR4"
13 }
14
15 POST produto/_doc/2
16 {
17   "nome": "hd",
18   "qtd": 20,
19   "descricao": "Interface USB 2.0, 500GB, Sistema: Windows 10, Windows 8, Windows 7"
20 }
21
22 POST produto/_doc/1
23 {
24   "nome": "mouse",
25   "qtd": 50,
26   "descricao": "com fio USB, compatível com Windows, Mac e Linux"
27 }
```

Response:

```
1 {
2   "_index" : "produto",
3   "_type" : "_doc",
4   "_id" : "4",
5   "_version" : 1,
6   "result" : "created",
7   "_shards" : {
8     "total" : 2,
9     "successful" : 1,
10    "failed" : 0
11  },
12   "_seq_no" : 3,
13   "_primary_term" : 1
14 }
```

201 - Created 6348 ms

2. Verificar se existe o documento com id 3

HEAD produto/_doc/3

The screenshot shows a web browser window with the address bar at `localhost:5601/app/dev_tools#/console`. The browser's tab bar includes several tabs: "Correção - Exercícios de CRUD", "Exercícios - CRUD", "localhost:9200", and "Dev Tools - Elastic". The browser's bookmark bar contains various links like "Apps", "Gmail", "REDEMET - Rede d...", "Comprima PDF onli...", "LinkedIn Brasil: entr...", "NiFi Apache", "Hadoop Ecosystema", "Kafka Apache", "Pentaho Server", "Elasticsearch", and "Lista de leitura".

The DevTools interface is open, showing the "Console" tab. At the top of the console, there are tabs for "Console", "Search Profiler", "Grok Debugger", and "Painless Lab" (marked as BETA). Below these tabs, the "History" section is active, displaying a list of REST client requests. The first request is a `HEAD` request to `produto/_doc/3`, which returned a `200 - OK` status with a response time of `3243 ms`. The subsequent requests are `POST` requests to `produto/_doc/4`, `produto/_doc/3`, `produto/_doc/2`, and `produto/_doc/1`, each with a JSON body containing product details like name, quantity, and description.

The main area of the console shows the details of the selected `HEAD` request. The response is a `200 - OK` status, and the response time is `3243 ms`. The response body is empty, as expected for a `HEAD` request.

The Windows taskbar at the bottom of the screen shows the system clock at `14:36` and the battery level at `97%`.

3. Alterar o valor do atributo qtd para 30 do documento com id 3

A qtd do ID 3 foi atualizado para 30, e a versão está como 2

The screenshot shows a web browser window with the DevTools console open. The console displays a series of REST API requests and responses. The request at line 1 is a POST to `produto/_update/3` with a JSON body that updates the `qtd` attribute of the document with `id` 3 to the value 30. The response at line 1 shows the result of the update, including the document's `_index`, `_type`, `_id`, `_version`, and the `result` object which indicates the update was successful.

```
1 POST produto/_update/3
2 {
3   "doc": {
4     "qtd": 30
5   }
6 }
7
8 HEAD produto/_doc/3
9
10 POST produto/_doc/4
11 {
12   "nome": "CPU",
13   "qtd": 15,
14   "descricao": "i5, 2.5Ghz"
15 }
16
17 POST produto/_doc/3
18 {
19   "nome": "memória ram",
20   "qtd": 10,
21   "descricao": "8GB, DDR4"
22 }
23
24 POST produto/_doc/2
25 {
26   "nome": "hd",
27   "qtd": 20,
28   "descricao": "Interface USB 2.0, 500GB, Sistema: Windows 10, Windows 8, Windows 7"
29 }
30
31 POST produto/_doc/1
32 {
33   "nome": "mouse",
34   "qtd": 10,
35   "descricao": "Wireless, 2.4GHz, 3 botões"
36 }
```

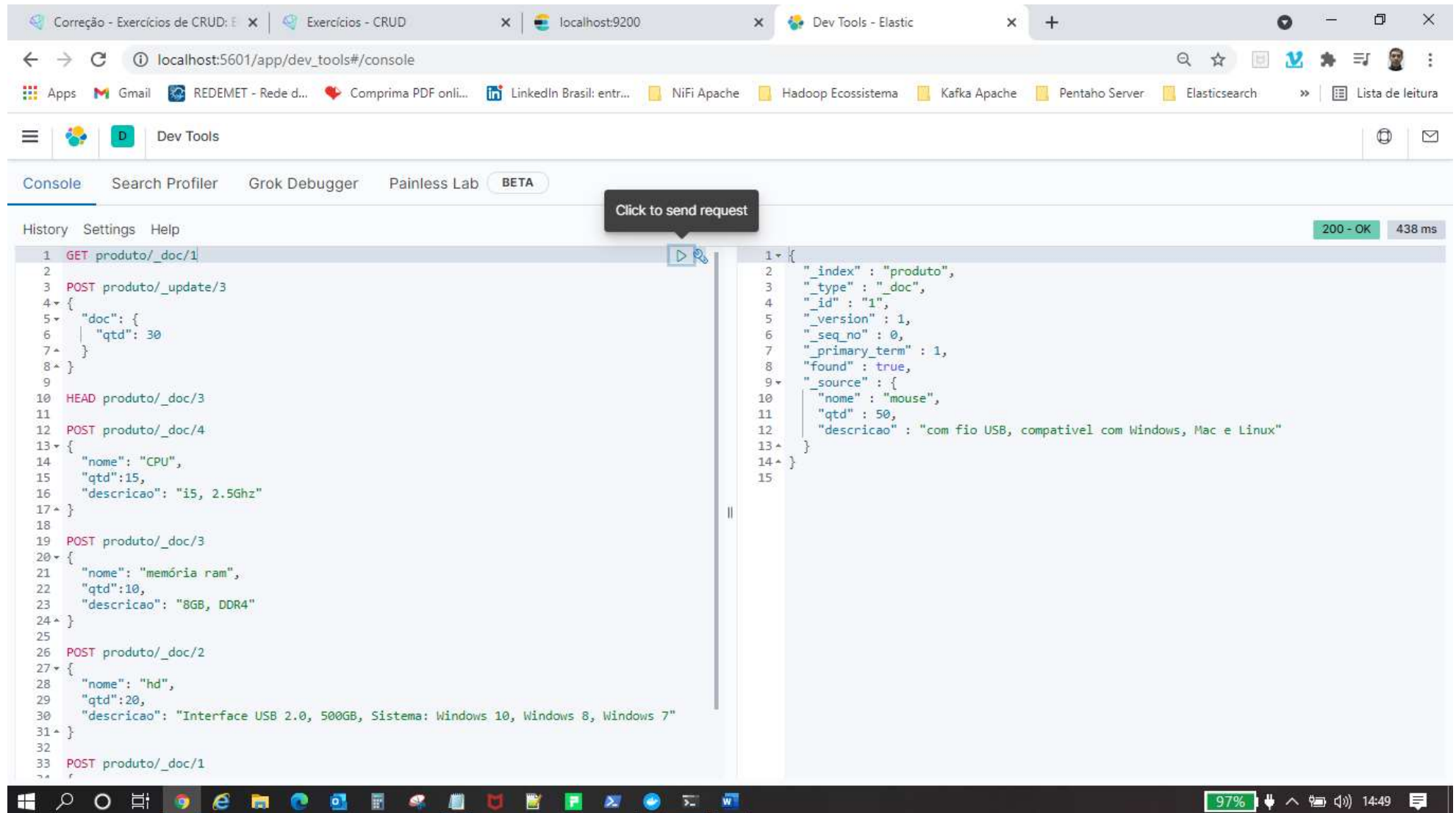
```
1 {
2   "_index": "produto",
3   "_type": "_doc",
4   "_id": "3",
5   "_version": 2,
6   "result": "updated",
7   "_shards": {
8     "total": 2,
9     "successful": 1,
10    "failed": 0
11  },
12   "_seq_no": 4,
13   "_primary_term": 1
14 }
```

Click to send request

200 - OK 801 ms

4. Buscar o documento com id 1

GET produto/_doc/1



The screenshot shows a web browser with the DevTools console open. The console displays a list of REST requests, and the selected request is "GET produto/_doc/1". The response is a JSON object representing a product document.

History Settings Help

1 GET produto/_doc/1

2

3 POST produto/_update/3

4 {

5 "doc": {

6 "qtd": 30

7 }

8 }

9

10 HEAD produto/_doc/3

11

12 POST produto/_doc/4

13 {

14 "nome": "CPU",

15 "qtd": 15,

16 "descricao": "i5, 2.5Ghz"

17 }

18

19 POST produto/_doc/3

20 {

21 "nome": "memória ram",

22 "qtd": 10,

23 "descricao": "8GB, DDR4"

24 }

25

26 POST produto/_doc/2

27 {

28 "nome": "hd",

29 "qtd": 20,

30 "descricao": "Interface USB 2.0, 500GB, Sistema: Windows 10, Windows 8, Windows 7"

31 }

32

33 POST produto/_doc/1

34

Click to send request

200 - OK 438 ms

1 {

2 "_index": "produto",

3 "_type": "_doc",

4 "id": "1",

5 "_version": 1,

6 "_seq_no": 0,

7 "_primary_term": 1,

8 "found": true,

9 "source": {

10 "nome": "mouse",

11 "qtd": 50,

12 "descricao": "com fio USB, compatível com Windows, Mac e Linux"

13 }

14 }

15

5. Deletar o documento com id 4

DELETE produto/_doc/4

The screenshot shows a web browser window with the address bar at `localhost:5601/app/dev_tools#/console`. The browser's tab bar includes "Correção - Exercícios de CRUD", "Exercícios - CRUD", "localhost:9200", and "Dev Tools - Elastic". The browser's bookmark bar contains various links like "Apps", "Gmail", "REDEMET - Rede d...", "Comprima PDF onli...", "LinkedIn Brasil: entr...", "NiFi Apache", "Hadoop Ecosystema", "Kafka Apache", "Pentaho Server", "Elasticsearch", and "Lista de leitura".

The DevTools console is open, showing a REST client interface. The left pane displays a series of REST requests:

```
1 DELETE produto/_doc/4
2
3 GET produto/_doc/1
4
5 POST produto/_update/3
6 {
7   "doc": {
8     "qtd": 30
9   }
10 }
11
12 HEAD produto/_doc/3
13
14 POST produto/_doc/4
15 {
16   "nome": "CPU",
17   "qtd": 15,
18   "descricao": "15, 2.5Ghz"
19 }
20
21 POST produto/_doc/3
22 {
23   "nome": "memória ram",
24   "qtd": 10,
25   "descricao": "8GB, DDR4"
26 }
27
28 POST produto/_doc/2
29 {
30   "nome": "hd",
31   "qtd": 20,
32   "descricao": "Interface USB 2.0, 500GB, Sistema: Windows 10, Windows 8, Windows 7"
33 }
```

The right pane shows the JSON response for the first request (DELETE):

```
1 {
2   "_index": "produto",
3   "_type": "_doc",
4   "_id": "4",
5   "_version": 2,
6   "result": "deleted",
7   "_shards": {
8     "total": 2,
9     "successful": 1,
10    "failed": 0
11  },
12   "_seq_no": 5,
13   "_primary_term": 1
14 }
```

At the top right of the console, a status bar indicates "200 - OK" and "397 ms". The Windows taskbar at the bottom shows the system clock at 14:52 and a battery level of 97%.

NÃO EXISTE O INDEX 4, POR QUE FOI DELETADO

Correção - Exercícios de CRUD: E | Exercícios - CRUD | localhost:9200 | Dev Tools - Elastic

localhost:5601/app/dev_tools#/console

Apps | Gmail | REDEMET - Rede d... | Comprima PDF onli... | LinkedIn Brasil: entr... | NiFi Apache | Hadoop Ecossistema | Kafka Apache | Pentaho Server | Elasticsearch | Lista de leitura

Dev Tools

Console | Search Profiler | Grok Debugger | Painless Lab | BETA

History | Settings | Help

404 - Not Found 53 ms

```
1 GET produto/_doc/4
2
3 DELETE produto/_doc/4
4
5 GET produto/_doc/1
6
7 POST produto/_update/3
8 {
9   "doc": {
10     "qtd": 30
11   }
12 }
13
14 HEAD produto/_doc/3
15
16 POST produto/_doc/4
17 {
18   "nome": "CPU",
19   "qtd": 15,
20   "descricao": "15, 2.5Ghz"
21 }
22
23 POST produto/_doc/3
24 {
25   "nome": "memória ram",
26   "qtd": 10,
27   "descricao": "8GB, DDR4"
28 }
29
30 POST produto/_doc/2
31 {
32   "nome": "hd",
33   "qtd": 20,
34   "descricao": "transferência de 500MB/s, 6400rpm, 160GB, 3.5"
```

```
1 {
2   "_index": "produto",
3   "_type": "_doc",
4   "_id": "4",
5   "found": false
6 }
7
```

97% 14:53

6. Contar quantos documentos tem o índice produto

GET produto/_count

The screenshot shows a web browser window with the DevTools console open. The browser's address bar shows the URL `localhost:5601/app/dev_tools#/console`. The DevTools console has tabs for Console, Search Profiler, Grok Debugger, and Painless Lab (BETA). The Console tab is active, showing a history of REST client requests and responses.

The history of requests is as follows:

- 1 GET produto/_count
- 2 GET produto/_doc/4
- 3 DELETE produto/_doc/4
- 4 GET produto/_doc/1
- 5 POST produto/_update/3
- 6 { "doc": { "qtd": 30 } }
- 7 HEAD produto/_doc/3
- 8 POST produto/_doc/4
- 9 { "nome": "CPU", "qtd": 15, "descricao": "i5, 2.5Ghz" }
- 10 POST produto/_doc/3
- 11 { "nome": "memória ram", "qtd": 10, "descricao": "8GB, DDR4" }
- 12 POST produto/_doc/2
- 13 { "nome": "memória ram", "qtd": 10, "descricao": "8GB, DDR4" }

The response for the first request (GET produto/_count) is shown on the right side of the console:

```
1 {
2   "count" : 3,
3   "_shards" : {
4     "total" : 1,
5     "successful" : 1,
6     "skipped" : 0,
7     "failed" : 0
8   }
9 }
10
```

The status bar at the bottom of the console indicates a 200 - OK response with a response time of 1844 ms.