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
```

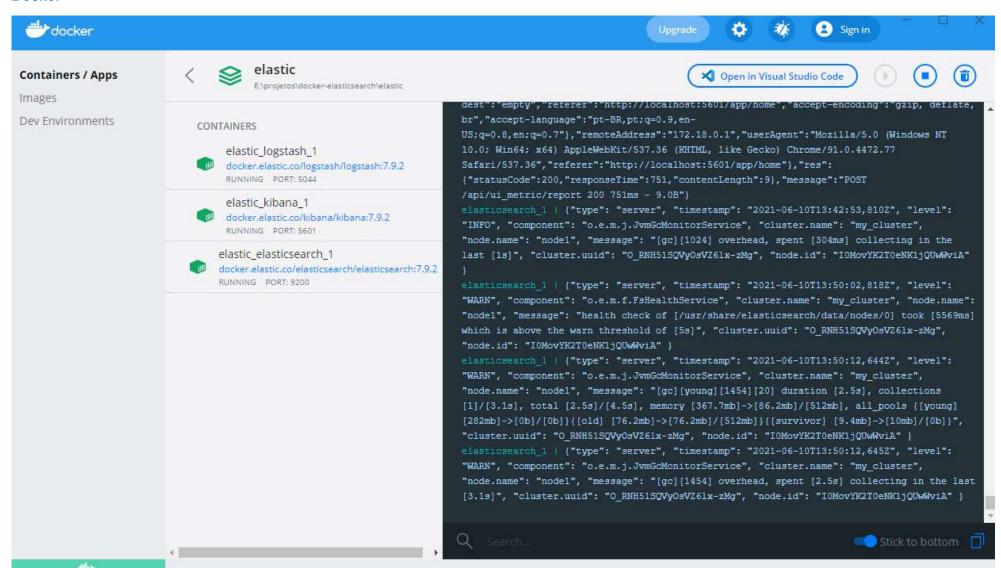
Docker Desktop Windows

```
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
```

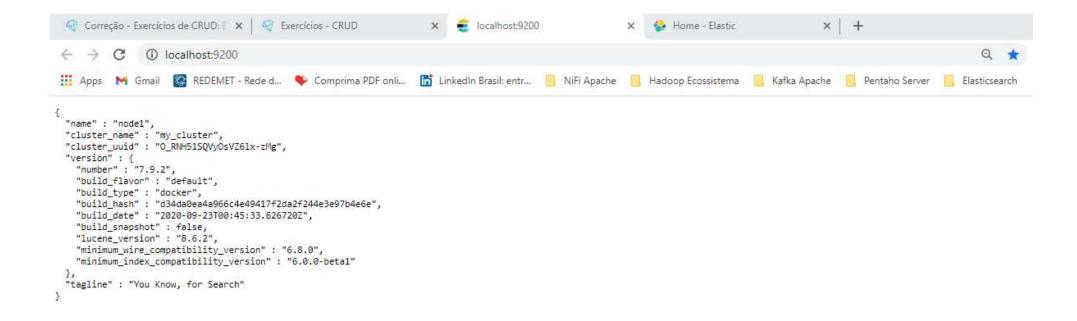
```
PS E:\projetos\docker-elasticsearch\elastic> docker ps
CONTAINER ID IMAGE
                                                                     COMMAND
                                                                                             CREATED
                                                                                                             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.
                                                                elastic_kibana_1
:::5601->5601/tcp
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



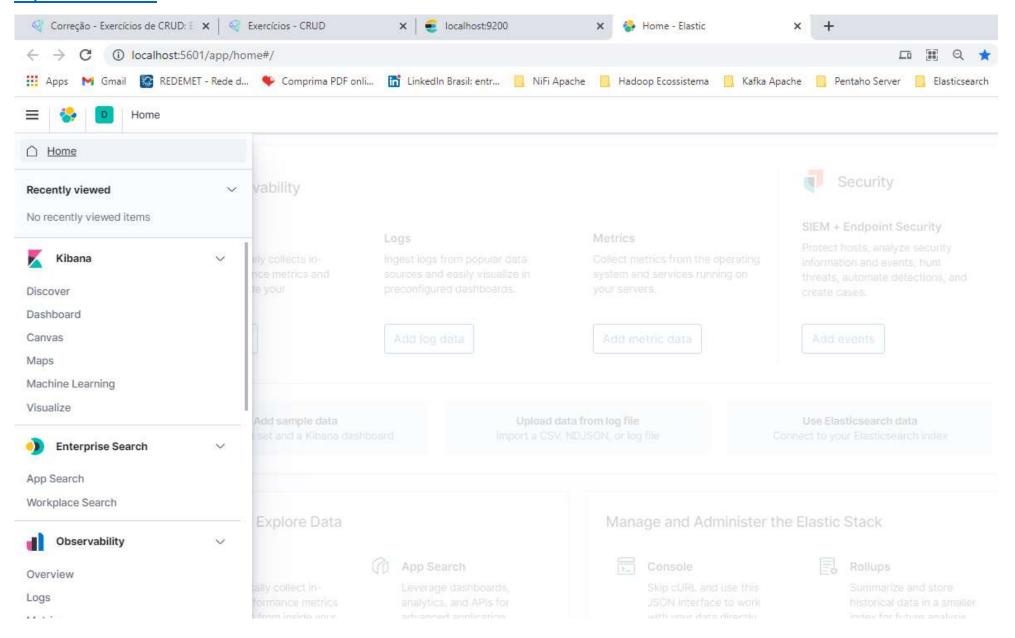
Acessado o Elasticsearch

http://localhost:9200



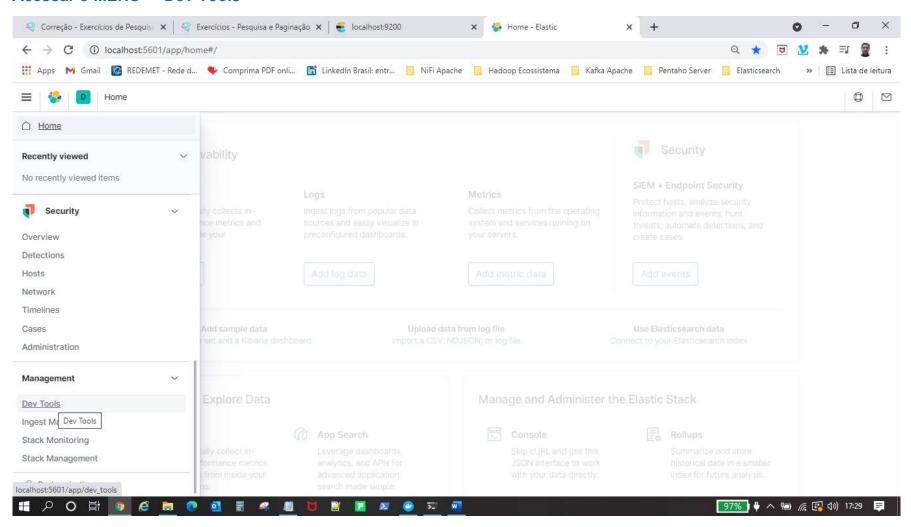
Acessando o KIBANA

http://localhost:5601



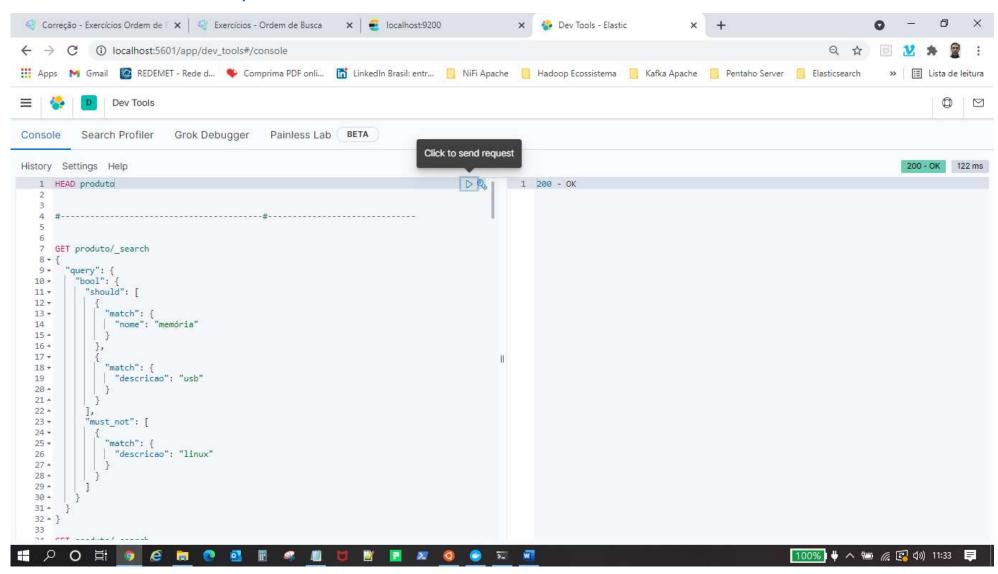
Exercitando Ordem de Busca de Documentos

Acessar o MENU -> Dev Tools



Realizar todas as buscas a seguir no índice produto

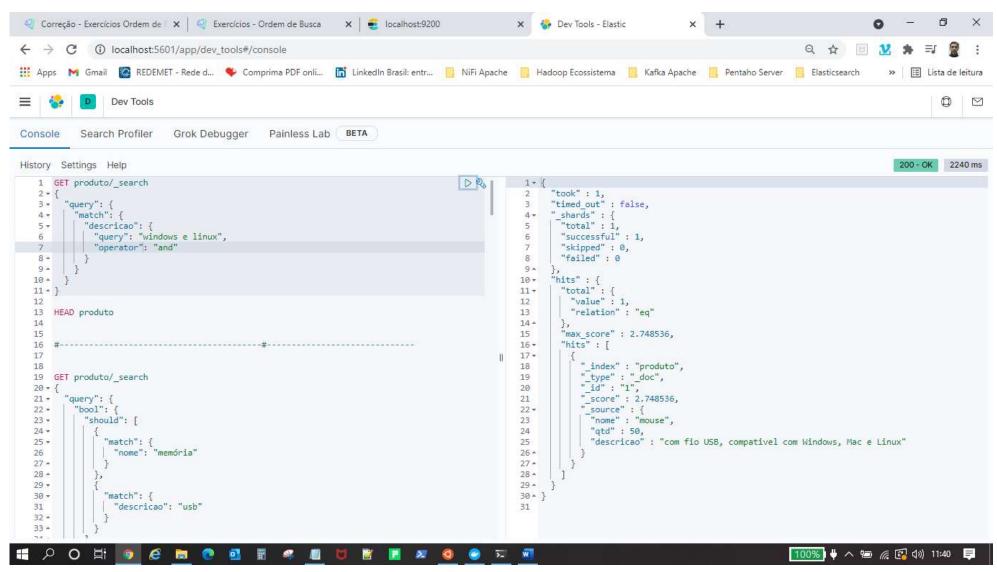
Verificando se existe o INDEX produto



1. Buscar os documentos que contenham as palavras "Windows" e "Linux" no atributo descrição

GET produto/ search

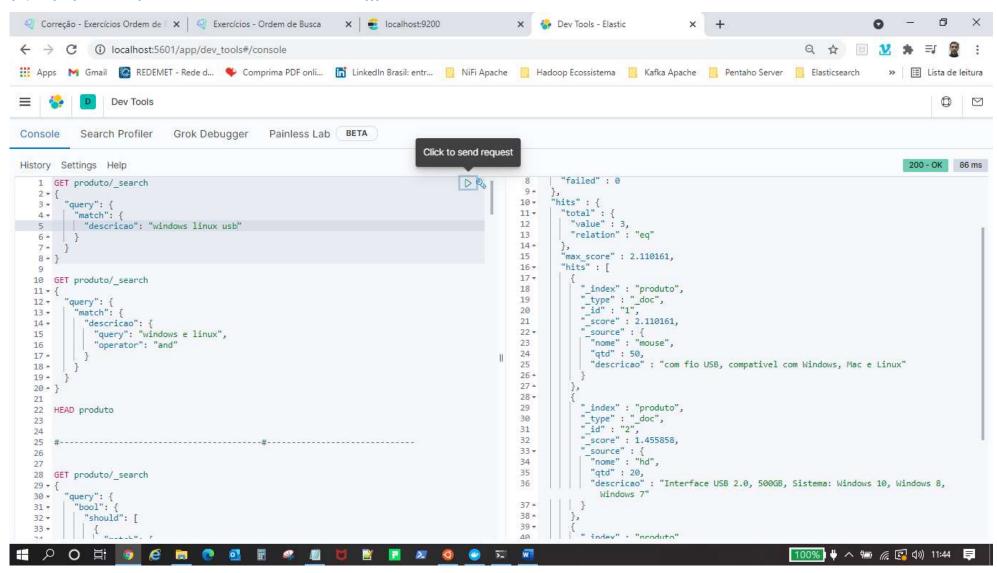
{"query":{"match":{"descricao":{"query":"windows e linux","operator":"and"}}}}



2. Buscar os documentos que contenham as palavras "Windows", "Linux" ou "USB" no atributo descrição

GET produto/ search

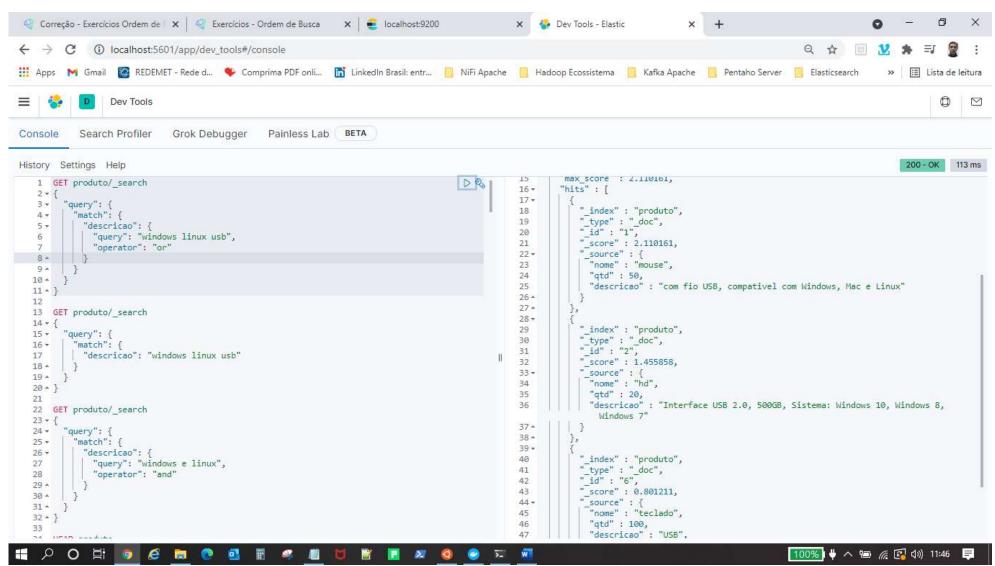
{"query":{"match":{"descricao":"windows linux usb"}}}



TAMBÉM PODERIA SER DESSA FORMA, UTILIZANDO O OPERADOR or

GET produto/_search

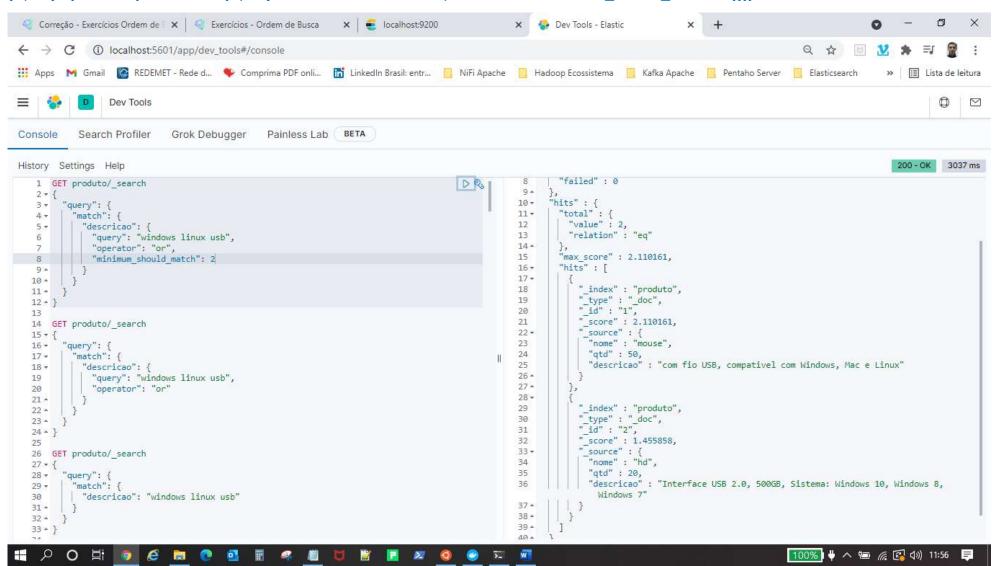
{"query":{"match":{"descricao":{"query":"windows linux usb","operator":"or"}}}}



3. Buscar os documentos que contenham pelo menos 2 palavras da seguinte lista de palavras: "Windows"; "Linux" e "USB" no atributo descrição

GET produto/ search

{"query":{"match":{"descricao":{"query":"windows linux usb","operator":"or","minimum should match":2}}}}



4. Buscar os documentos que contenham pelo menos 50 % da seguinte lista de palavras: "Windows"; "Linux" e "USB" no atributo descrição

GET produto/ search

{"query":{"match":{"descricao":{"query":"windows linux usb","operator":"or","minimum should match":"50%"}}}

