

Atualização Elasticsearch

1. Efetuar login no servidor com um cliente SSH.
2. Para confirmar qual versão do Elasticsearch você possui instalada atualmente, execute o comando abaixo e em seguida verifique o campo de "number":

```
$ curl -u elastic:senhacorreta* -X GET "localhost:9200?pretty"
```

**no campo de "senhacorreta", preencha com a senha de acesso do usuário elastic.*

```
{
  "name" : "templetelk",
  "cluster_name" : "elasticsearch",
  "cluster_uuid" : "hZMo5K0rSeSSZ2KvskaYsA",
  "version" : {
    "number" : "7.4.0",
    "build_flavor" : "default",
    "build_type" : "deb",
    "build_hash" : "22e1767283e61a198cb4db791ea66e3f11ab9910",
    "build_date" : "2019-09-27T08:36:48.569419Z",
    "build_snapshot" : false,
    "lucene_version" : "8.2.0",
    "minimum_wire_compatibility_version" : "6.8.0",
    "minimum_index_compatibility_version" : "6.0.0-beta1"
  },
  "tagline" : "You Know, for Search"
}
```

3. Antes de iniciarmos a atualização, aconselhamos que seja feito backup do arquivo "jvm.options"

Acesse a pasta:

```
$ cd /etc/elasticsearch
```

Faça backup do arquivo:

```
cp jvm.options jvm.options_old
```

4. Pare os serviços do Elasticsearch:

```
$ sudo systemctl stop elasticsearch.service
```

```

[root@edipo-dev ~]# sudo systemctl status elasticsearch.service
● elasticsearch.service - Elasticsearch
   Loaded: loaded (/usr/lib/systemd/system/elasticsearch.service; enabled; vendor preset: disabled)
   Active: inactive (dead) since Thu 2022-02-03 18:27:06 -03; 4s ago
     Docs: http://www.elastic.co
   Process: 5556 ExecStart=/usr/share/elasticsearch/bin/elasticsearch -p ${PID_DIR}/elasticsearch.pid --quiet (code=exited, status=143)
  Main PID: 5556 (code=exited, status=143)

Feb 03 17:16:33 edipo-dev elasticsearch[5556]: at org.elasticsearch.bootstrap.Elasticsearch.main(Elasticsearch.java:115)
Feb 03 17:16:33 edipo-dev elasticsearch[5556]: at org.elasticsearch.bootstrap.Elasticsearch.main(Elasticsearch.java:92)
Feb 03 17:16:33 edipo-dev elasticsearch[5556]: Caused by: java.lang.IllegalArgumentException: Unconditional Delete not supported
Feb 03 17:16:33 edipo-dev elasticsearch[5556]: at org.apache.logging.log4j.core.appender.rolling.action.DeleteAction.<init>(DeleteAction.java:71)
Feb 03 17:16:33 edipo-dev elasticsearch[5556]: at org.apache.logging.log4j.core.appender.rolling.action.DeleteAction.createDeleteAction(DeleteAction.java:212)
Feb 03 17:16:33 edipo-dev elasticsearch[5556]: ... 25 more
Feb 03 17:16:33 edipo-dev elasticsearch[5556]: 2022-02-03 18:16:33,016 main ERROR Null object returned for Delete in DefaultRolloverStrategy.
Feb 03 17:17:02 edipo-dev systemd[1]: Started Elasticsearch.
Feb 03 18:27:05 edipo-dev systemd[1]: Stopping Elasticsearch...
Feb 03 18:27:06 edipo-dev systemd[1]: Stopped Elasticsearch.

```

5. Liste as versões disponíveis da aplicação:

```
$ apt-cache madison elasticsearch
```

Se ao executar o comando acima, não retornar as versões da aplicação, como na imagem abaixo, execute os próximos comandos, caso seja mostrado a listagem com as versões disponíveis, pule para o passo seguinte.

```

root@templetelk:~# apt-cache madison elasticsearch
root@templetelk:~#

```

```
$ wget -qO - https://artifacts.elastic.co/GPG-KEY-elasticsearch | apt-key add -
```

```

root@templetelk:~# wget -qO - https://artifacts.elastic.co/GPG-KEY-elasticsearch | apt-key add -
OK

```

```
$ sh -c 'echo "deb https://artifacts.elastic.co/packages/7.x/apt stable main" > /etc/apt/sources.list.d/elastic-7.x.list'
```

```
root@templetelk:~# sh -c 'echo "deb https://artifacts.elastic.co/packages/7.x/apt stable main" > /etc/apt/sources.list.d/elastic-7.x.list'
```

```
$ apt update
```

```
root@templetelk:~# apt update
Get:1 https://artifacts.elastic.co/packages/7.x/apt stable InRelease [13.7 kB]
Get:2 https://artifacts.elastic.co/packages/7.x/apt stable/main amd64 Packages [93.4 kB]
Hit:3 http://br.archive.ubuntu.com/ubuntu focal InRelease
Get:4 http://br.archive.ubuntu.com/ubuntu focal-updates InRelease [114 kB]
Get:5 http://br.archive.ubuntu.com/ubuntu focal-backports InRelease [108 kB]
Get:6 http://br.archive.ubuntu.com/ubuntu focal-updates/main i386 Packages [601 kB]
Get:7 http://security.ubuntu.com/ubuntu focal-security InRelease [114 kB]
Get:8 https://artifacts.elastic.co/packages/7.x/apt stable/main i386 Packages [70.5 kB]
Get:9 http://br.archive.ubuntu.com/ubuntu focal-updates/main amd64 Packages [1,567 kB]
Get:10 http://br.archive.ubuntu.com/ubuntu focal-updates/main Translation-en [301 kB]
Get:11 https://esm.ubuntu.com/infra/ubuntu focal-infra-security InRelease [7,426 B]
Get:12 http://br.archive.ubuntu.com/ubuntu focal-updates/main amd64 c-n-f Metadata [14.7 kB]
Get:13 http://br.archive.ubuntu.com/ubuntu focal-updates/universe i386 Packages [666 kB]
Get:14 http://br.archive.ubuntu.com/ubuntu focal-updates/universe amd64 Packages [902 kB]
Get:15 https://esm.ubuntu.com/infra/ubuntu focal-infra-updates InRelease [7,425 B]
Get:16 http://br.archive.ubuntu.com/ubuntu focal-updates/universe Translation-en [200 kB]
Get:17 http://security.ubuntu.com/ubuntu focal-security/main amd64 Packages [1,235 kB]
Get:18 http://security.ubuntu.com/ubuntu focal-security/main i386 Packages [375 kB]
Get:19 http://security.ubuntu.com/ubuntu focal-security/main Translation-en [217 kB]
Get:20 http://security.ubuntu.com/ubuntu focal-security/main amd64 c-n-f Metadata [9,560 B]
Fetched 6,617 kB in 3s (1,921 kB/s)
Reading package lists... Done
Building dependency tree
Reading state information... Done
17 packages can be upgraded. Run 'apt list --upgradable' to see them.
```

Execute o comando abaixo para exibir as versões disponíveis do Elasticsearch:

```
$ apt-cache madison elasticsearch
```


elasticsearch	7.14.1	https://artifacts.elastic.co/packages/7.x/apt	stable/main	amd64	Packages
elasticsearch	7.14.0	https://artifacts.elastic.co/packages/7.x/apt	stable/main	amd64	Packages
elasticsearch	7.13.4	https://artifacts.elastic.co/packages/7.x/apt	stable/main	amd64	Packages
elasticsearch	7.13.3	https://artifacts.elastic.co/packages/7.x/apt	stable/main	amd64	Packages
elasticsearch	7.13.2	https://artifacts.elastic.co/packages/7.x/apt	stable/main	amd64	Packages
elasticsearch	7.13.1	https://artifacts.elastic.co/packages/7.x/apt	stable/main	amd64	Packages
elasticsearch	7.13.0	https://artifacts.elastic.co/packages/7.x/apt	stable/main	amd64	Packages
elasticsearch	7.12.1	https://artifacts.elastic.co/packages/7.x/apt	stable/main	amd64	Packages
elasticsearch	7.12.0	https://artifacts.elastic.co/packages/7.x/apt	stable/main	amd64	Packages
elasticsearch	7.11.2	https://artifacts.elastic.co/packages/7.x/apt	stable/main	amd64	Packages
elasticsearch	7.11.1	https://artifacts.elastic.co/packages/7.x/apt	stable/main	amd64	Packages
elasticsearch	7.11.0	https://artifacts.elastic.co/packages/7.x/apt	stable/main	amd64	Packages
elasticsearch	7.10.2	https://artifacts.elastic.co/packages/7.x/apt	stable/main	amd64	Packages
elasticsearch	7.10.1	https://artifacts.elastic.co/packages/7.x/apt	stable/main	amd64	Packages
elasticsearch	7.10.0	https://artifacts.elastic.co/packages/7.x/apt	stable/main	amd64	Packages
elasticsearch	7.9.3	https://artifacts.elastic.co/packages/7.x/apt	stable/main	amd64	Packages
elasticsearch	7.9.2	https://artifacts.elastic.co/packages/7.x/apt	stable/main	amd64	Packages
elasticsearch	7.9.1	https://artifacts.elastic.co/packages/7.x/apt	stable/main	amd64	Packages
elasticsearch	7.9.0	https://artifacts.elastic.co/packages/7.x/apt	stable/main	amd64	Packages
elasticsearch	7.8.1	https://artifacts.elastic.co/packages/7.x/apt	stable/main	amd64	Packages
elasticsearch	7.8.0	https://artifacts.elastic.co/packages/7.x/apt	stable/main	amd64	Packages
elasticsearch	7.7.1	https://artifacts.elastic.co/packages/7.x/apt	stable/main	amd64	Packages
elasticsearch	7.7.0	https://artifacts.elastic.co/packages/7.x/apt	stable/main	amd64	Packages
elasticsearch	7.6.2	https://artifacts.elastic.co/packages/7.x/apt	stable/main	amd64	Packages
elasticsearch	7.6.1	https://artifacts.elastic.co/packages/7.x/apt	stable/main	amd64	Packages
elasticsearch	7.6.0	https://artifacts.elastic.co/packages/7.x/apt	stable/main	amd64	Packages
elasticsearch	7.5.2	https://artifacts.elastic.co/packages/7.x/apt	stable/main	amd64	Packages
elasticsearch	7.5.1	https://artifacts.elastic.co/packages/7.x/apt	stable/main	amd64	Packages
elasticsearch	7.5.0	https://artifacts.elastic.co/packages/7.x/apt	stable/main	amd64	Packages
elasticsearch	7.4.2	https://artifacts.elastic.co/packages/7.x/apt	stable/main	amd64	Packages
elasticsearch	7.4.1	https://artifacts.elastic.co/packages/7.x/apt	stable/main	amd64	Packages
elasticsearch	7.4.0	https://artifacts.elastic.co/packages/7.x/apt	stable/main	amd64	Packages
elasticsearch	7.3.2	https://artifacts.elastic.co/packages/7.x/apt	stable/main	amd64	Packages
elasticsearch	7.3.1	https://artifacts.elastic.co/packages/7.x/apt	stable/main	amd64	Packages
elasticsearch	7.3.0	https://artifacts.elastic.co/packages/7.x/apt	stable/main	amd64	Packages
elasticsearch	7.2.1	https://artifacts.elastic.co/packages/7.x/apt	stable/main	amd64	Packages
elasticsearch	7.2.0	https://artifacts.elastic.co/packages/7.x/apt	stable/main	amd64	Packages
elasticsearch	7.1.1	https://artifacts.elastic.co/packages/7.x/apt	stable/main	amd64	Packages
elasticsearch	7.1.0	https://artifacts.elastic.co/packages/7.x/apt	stable/main	amd64	Packages
elasticsearch	7.0.1	https://artifacts.elastic.co/packages/7.x/apt	stable/main	amd64	Packages
elasticsearch	7.0.0	https://artifacts.elastic.co/packages/7.x/apt	stable/main	amd64	Packages

6. Selecionando a versão 7.10.0 do Elasticsearch:

```
$ apt-get install elasticsearch=7.10.0
```

```
root@templetelk:~# apt-get install elasticsearch=7.10.0
Reading package lists... Done
Building dependency tree
Reading state information... Done
The following packages will be upgraded:
  elasticsearch
1 upgraded, 0 newly installed, 0 to remove and 16 not upgraded.
Need to get 319 MB of archives.
After this operation, 43.5 MB of additional disk space will be used.
Get:1 https://artifacts.elastic.co/packages/7.x/apt stable/main amd64 elasticsearch amd64 7.10.0 [319 MB]
Fetched 319 MB in 39s (8,114 kB/s)
(Reading database ... 189924 files and directories currently installed.)
Preparing to unpack .../elasticsearch_7.10.0_amd64.deb ...
Unpacking elasticsearch (7.10.0) over (7.4.0) ...
Setting up elasticsearch (7.10.0) ...
Installing new version of config file /etc/elasticsearch/jvm.options ...
Installing new version of config file /etc/elasticsearch/log4j2.properties ...
Installing new version of config file /etc/default/elasticsearch ...
Created elasticsearch keystore in /etc/elasticsearch/elasticsearch.keystore
Processing triggers for systemd (245.4-4ubuntu3.15) ...
```

```
Configuration file '/etc/elasticsearch/jvm.options'
==> Modified (by you or by a script) since installation.
==> Package distributor has shipped an updated version.
What would you like to do about it ? Your options are:
    Y or I  : install the package maintainer's version
    N or O  : keep your currently-installed version
    D       : show the differences between the versions
    Z       : start a shell to examine the situation
The default action is to keep your current version.
*** jvm.options (Y/I/N/O/D/Z) [default=N] ? Y
```

7. Abra o arquivo jvm.options:

```
$ vim /etc/elasticsearch/jvm.options
```

8. Insira os campos abaixo no arquivo:

```
# log4j 2
-Dlog4j.shutdownHookEnabled=false
-Dlog4j2.disable.jmx=true
-Dlog4j2.formatMsgNoLookups=true
```

9. Salve as alterações apertando ESC no teclado e em seguida digite:

```
: w!
```

10. Recarregue os serviços:

```
$ systemctl daemon-reload
```

11. Inicie os serviços do ElasticSearch:

```
$ sudo systemctl start elasticsearch.service
```

12. Verifique se a aplicação foi iniciada com sucesso:

```
$ sudo systemctl status elasticsearch.service
```

```
● elasticsearch.service - Elasticsearch
   Loaded: loaded (/usr/lib/systemd/system/elasticsearch.service; enabled; vendor preset: enabled)
   Active: active (running) since Wed 2022-02-09 15:44:33 -03; 2min 39s ago
     Docs: https://www.elastic.co
    Main PID: 41177 (java)
      Tasks: 60 (limit: 4612)
     Memory: 1.2G
    CGroup: /system.slice/elasticsearch.service
            └─41177 /usr/share/elasticsearch/jdk/bin/java -Xshare:auto -Des.networkaddress.cache.ttl=60 -Des.networkaddress.cache.negative.ttl=10
              └─41370 /usr/share/elasticsearch/modules/x-pack-ml/platform/linux-x86_64/bin/controller

Feb 09 15:44:18 templetelk systemd[1]: Starting Elasticsearch...
Feb 09 15:44:33 templetelk systemd[1]: Started Elasticsearch.
```

13. Para conferir a versão do Elasticsearch, execute:

```
$ curl -u elastic:senhacorreta* -X GET "localhost:9200/?pretty"
```

**no campo de "senhacorreta", preencha com a senha de acesso do usuário elastic.*

```
{
  "name" : "templetelk",
  "cluster_name" : "elasticsearch",
  "cluster_uuid" : "hZMo5K0rSeSSZ2KvskaYsA",
  "version" : {
    "number" : "7.10.0",
    "build_flavor" : "default",
    "build_type" : "deb",
    "build_hash" : "51e9d6f22758d0374a0f3f5c6e8f3a7997850f96",
    "build_date" : "2020-11-09T21:30:33.964949Z",
    "build_snapshot" : false,
    "lucene_version" : "8.7.0",
    "minimum_wire_compatibility_version" : "6.8.0",
    "minimum_index_compatibility_version" : "6.0.0-beta1"
  },
  "tagline" : "You Know, for Search"
}
```

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