

Elasticsearch集群部署 问题总结

elasticsearch6.4 + kibana6.4 集群安装

参考: <https://blog.csdn.net/cxfeugene/article/details/82710504>

kibana 后台启动 停止

```
ps -ef|grep kibana
```

```
ps -ef|grep 5601
```

都找不到

尝试 使用 `fuser -n tcp 5601`

```
kill -9 端口
```

```
ps -ef|grep node    或    netstat -anltp|grep 5601
```

启动即可 `./kibana`

后台:

```
nohup ../bin/kibana &
```

```
vi config/jvm.options
```

```
-Xms4g
```

```
-Xmx4g
```

使用Elasticsearch5.0 必须安装jdk1.8

```
[elsearch@vm-mysteel-dc-search01 bin]$ java -version
```

```
java version "1.8.0_112"
```

```
Java(TM) SE Runtime Environment (build 1.8.0_112-b15)
```

```
Java HotSpot(TM) 64-Bit Server VM (build 25.112-b15, mixed mode)
```

```
[elsearch@vm-mysteel-dc-search01 bin]$
```

使用root账号启动es后 会遇到以下问题

```
[2016-11-14T10:05:29,358][WARN ]
[o.e.b.ElasticsearchUncaughtExceptionHandler] [] uncaught
exception in thread
[main]
org.elasticsearch.bootstrap.StartupException:
java.lang.RuntimeException: can not run elasticsearch as root
at
org.elasticsearch.bootstrap.Elasticsearch.init(Elasticsearch.java:116) ~
[elasticsearch-
5.0.0.jar:5.0.0]
at
org.elasticsearch.bootstrap.Elasticsearch.execute(Elasticsearch.java:103)
~[elasticsearch-
5.0.0.jar:5.0.0]
at org.elasticsearch.cli.SettingCommand.execute(SettingCommand.java:54)
~[elasticsearch-
5.0.0.jar:5.0.0]
at
org.elasticsearch.cli.Command.mainWithoutErrorHandling(Command.java:96)
~[elasticsearch-
5.0.0.jar:5.0.0]
at org.elasticsearch.cli.Command.main(Command.java:62) ~[elasticsearch-
5.0.0.jar:5.0.0]
at org.elasticsearch.bootstrap.Elasticsearch.main(Elasticsearch.java:80)
~[elasticsearch-
5.0.0.jar:5.0.0]
at org.elasticsearch.bootstrap.Elasticsearch.main(Elasticsearch.java:73)
~[elasticsearch-
5.0.0.jar:5.0.0]
```

解决方案:

因为安全问题elasticsearch 不让用root用户直接运行，所以要创建新用户

- 建议创建一个单独的用户用来运行ElasticSearch
- 创建elsearch用户组及elsearch用户

```
groupadd elsearch
```

```
useradd elsearch -g elsearch -p elasticsearch
```

使用elsearch启动ES后 又会遇到以下问题

```
ERROR: bootstrap checks failed
max file descriptors [10240] for elasticsearch process likely too low,
increase to at least [65536]
max number of threads [1024] for user [elsearch] likely too low,
increase to at least [2048]
max virtual memory areas vm.max_map_count [65530] likely too low,
increase to at least [262144]
[2016-11-14T10:22:17,569][INFO ][o.e.n.Node                ] [mysteel-
node1] stopping ...
[2016-11-14T10:22:17,615][INFO ][o.e.n.Node                ] [mysteel-
node1] stopped
[2016-11-14T10:22:17,615][INFO ][o.e.n.Node                ] [mysteel-
node1] closing ...
[2016-11-14T10:22:17,638][INFO ][o.e.n.Node                ] [mysteel-
node1] closed
```

解决方法参考：<http://www.cnblogs.com/sloveling/p/elasticsearch.html>

切换到root用户

```
vi /etc/security/limits.conf
```

添加如下内容：

```
* soft nfile 65536

* hard nfile 131072

* soft nproc 2048
```

```
* hard nproc 4096
```

```
vi /etc/security/limits.d/90-nproc.conf
```

修改如下内容：

```
* soft nproc 1024
```

#修改为

```
* soft nproc 2048
```

```
vi /etc/sysctl.conf
```

添加下面配置：

```
vm.max_map_count=655360
```

并执行命令：

```
sysctl -p
```

然后，重新启动elasticsearch，即可启动成功。

后台运行：

```
nohup ./bin/elasticsearch&
```

```
./bin/elasticsearch -d
```

测试是否成功

```
curl -X GET 'http://193.168.201.250:9200'
```

```
curl -X GET 'http://193.168.201.252:9200'
```

```
curl -X GET 'http://193.168.201.117:9200'
```

