当我们在使用elasticsearch的时候，如果是以root权限来执行elasticsearch

./elasticsearch

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则会有以下报错

Exception in thread "main" java.lang.RuntimeException: don't run elasticsearch as root.

at org.elasticsearch.bootstrap.Bootstrap.initializeNatives(Bootstrap.java:94)

at org.elasticsearch.bootstrap.Bootstrap.setup(Bootstrap.java:160)

at org.elasticsearch.bootstrap.Bootstrap.init(Bootstrap.java:286)

at org.elasticsearch.bootstrap.Elasticsearch.main(Elasticsearch.java:35)

Refer to the log for complete error details.

这是出于系统安全考虑设置的条件。由于ElasticSearch可以接收用户输入的脚本并且执行，为了系统安全考虑，

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

更改elasticsearch文件夹及内部文件的所属用户及组为elsearch:elsearch

chown -R elsearch:elsearch elasticsearch

elasticsearch为你elasticsearch的目录名称

切换到elsearch用户再启动

su elsearch #切换账户

cd elasticsearch/bin #进入你的elasticsearch目录下的bin目录

./elasticsearch

启动后会打印正常启动日志信息如下

[elsearch@localhost elasticsearch-2.4.0]$ ./bin/elasticsearch

[2016-11-30 09:00:07,658][INFO ][node ] [Black Bolt] version[2.4.0], pid[25504], build[ce9f0c7/2016-08-29T09:14:17Z]

[2016-11-30 09:00:07,674][INFO ][node ] [Black Bolt] initializing ...

[2016-11-30 09:00:08,248][INFO ][plugins ] [Black Bolt] modules [lang-groovy, reindex, lang-expression], plugins [elasticsearch-analysis-ik, head], sites [head]

[2016-11-30 09:00:08,267][INFO ][env ] [Black Bolt] using [1] data paths, mounts [[/home (/dev/mapper/centos-home)]], net usable\_space [172.1gb], net total\_space [172.9gb], spins? [possibly], types [xfs]

[2016-11-30 09:00:08,267][INFO ][env ] [Black Bolt] heap size [990.7mb], compressed ordinary object pointers [true]

[2016-11-30 09:00:08,268][WARN ][env ] [Black Bolt] max file descriptors [4096] for elasticsearch process likely too low, consider increasing to at least [65536]

[2016-11-30 09:00:09,561][INFO ][ik-analyzer ] [Dict Loading] ik/custom/mydict.dic

[2016-11-30 09:00:09,579][INFO ][ik-analyzer ] [Dict Loading] ik/custom/single\_word\_low\_freq.dic

[2016-11-30 09:00:09,589][INFO ][ik-analyzer ] [Dict Loading] ik/custom/ext\_stopword.dic

[2016-11-30 09:00:09,935][INFO ][node ] [Black Bolt] initialized

[2016-11-30 09:00:09,935][INFO ][node ] [Black Bolt] starting ...

[2016-11-30 09:00:09,975][INFO ][transport ] [Black Bolt] publish\_address {172.17.0.1:9300}, bound\_addresses {[::]:9300}

[2016-11-30 09:00:09,979][INFO ][discovery ] [Black Bolt] elasticsearch/YGWbxIWSRyejtiM4WqHwAA

[2016-11-30 09:00:13,003][INFO ][cluster.service ] [Black Bolt] new\_master {Black Bolt}{YGWbxIWSRyejtiM4WqHwAA}{172.17.0.1}{172.17.0.1:9300}, reason: zen-disco-join(elected\_as\_master, [0] joins received)

[2016-11-30 09:00:13,010][INFO ][http ] [Black Bolt] publish\_address {172.17.0.1:9200}, bound\_addresses {[::]:9200}

[2016-11-30 09:00:13,010][INFO ][node ] [Black Bolt] started

[2016-11-30 09:00:13,323][INFO ][gateway ] [Black Bolt] recovered [1] indices into cluster\_state

[2016-11-30 09:00:15,576][INFO ][cluster.routing.allocation] [Black Bolt] Cluster health status changed from [RED] to [YELLOW] (reason: [shards started [[sports][2]] ...]).

之后如果再启动的话（如果是以root权限登录服务器），只需要执行切换账户，然后运行elasticsearch就可以了

su elsearch #切换账户

cd elasticsearch/bin #进入你的elasticsearch目录下的bin目录

./elasticsearch

ElasticSearch后台启动命令

./elasticsearch -d

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查看后台命令是否启动成功

ps aux|grep elasticsearch