

005_ES 安装

00th

对应的虚拟机为142

01th 安装

```
[root@localhost zz]# tar -zxf elasticsearch-6.6.2.tar.gz
[root@localhost zz]#
```

```
groupadd bigdata
useradd elastic -g bigdata -p elastic
chown -R elastic:bigdata elasticsearch-6.6.2
```

- groupadd是一个命令不能有空格
- uesradd是一个命令,不能有空格
- -g 是用户属于哪个组, -p是这个用户的密码
- elasticsearch不允许root用户启动,所以只能新建一个elastic用户
- su elastic 切换到elastic用户
- 给elastic用户配置权限

增加以下es的配置代码 这样windows才能访问linux

```
vi elasticsearch-6.6.2/config/elasticsearch.yml

network.host: 192.168.222.142
http.port: 9200
bootstrap.memory_lock: false
bootstrap.system_call_filter: false #centos7 关闭
```

- vi /etc/security/limits.conf

```
* - nproc 65535
* - nofile 409600
* - memlock unlimited
```

- 修改 90-nproc.conf,没有这个文件就增加一个

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

```
[root@localhost limits.d]# vi 90-nproc.conf
[root@localhost limits.d]# cat 90-nproc.conf
* soft nproc unlimited
root soft nproc unlimited
[root@localhost limits.d]# pwd
/etc/security/limits.d
[root@localhost limits.d]#
```

- 修改 /etc/sysctl.conf

增加以下四行

```
vm.max_map_count=262144
vm.swappiness=1
net.ipv6.conf.all.disable_ipv6=1
net.ipv6.conf.default.disable_ipv6=1
```

- sysctl -p 把系统服务重启

```
[root@localhost limits.d]# sysctl -p
vm.max_map_count = 262144
vm.swappiness = 1
net.ipv6.conf.all.disable_ipv6 = 1
net.ipv6.conf.default.disable_ipv6 = 1
```

- 测试数值

```
ulimit -n
ulimit -u
```

```
[root@localhost zz]# ulimit -n
409600
[root@localhost zz]# ulimit -u
65535
```

- 切换用户,进入bin目录,执行 ./elasticserch

终于成功启动了,

```
[2020-08-28T22:20:10,917][INFO ][o.e.p.PluginsService ] [hVRpdzy] loaded mod
ule [x-pack-rollup]
[2020-08-28T22:20:10,917][INFO ][o.e.p.PluginsService ] [hVRpdzy] loaded mod
ule [x-pack-security]
[2020-08-28T22:20:10,917][INFO ][o.e.p.PluginsService ] [hVRpdzy] loaded mod
ule [x-pack-sql]
[2020-08-28T22:20:10,917][INFO ][o.e.p.PluginsService ] [hVRpdzy] loaded mod
ule [x-pack-upgrade]
[2020-08-28T22:20:10,917][INFO ][o.e.p.PluginsService ] [hVRpdzy] loaded mod
ule [x-pack-watcher]
[2020-08-28T22:20:10,918][INFO ][o.e.p.PluginsService ] [hVRpdzy] no plugins
loaded
[2020-08-28T22:20:19,383][INFO ][o.e.x.s.a.s.FileRolesStore] [hVRpdzy] parsed [0
] roles from file [/tmp/zz/elasticsearch-6.6.2/config/roles.yml]
[2020-08-28T22:20:21,680][INFO ][o.e.x.m.p.l.CppLogMessageHandler] [hVRpdzy] [co
ntroller/3834] [Main.cc@109] controller (64 bit): Version 6.6.2 (Build 62531230b
275d3) Copyright (c) 2019 Elasticsearch BV
[2020-08-28T22:20:24,399][DEBUG][o.e.a.ActionModule ] [hVRpdzy] Using REST
wrapper from plugin org.elasticsearch.xpack.security.Security
[2020-08-28T22:20:28,652][INFO ][o.e.d.DiscoveryModule ] [hVRpdzy] using disc
overy type [zen] and host providers [settings]
[2020-08-28T22:20:38,857][INFO ][o.e.n.Node ] [hVRpdzy] initialize
d
[2020-08-28T22:20:40,668][INFO ][o.e.n.Node ] [hVRpdzy] starting .
..
```

```
[root@localhost ~]# curl 127.0.0.1:9200
curl: (7) Failed connect to 127.0.0.1:9200; Connection refused
[root@localhost ~]# curl localhost:9200
curl: (7) Failed to connect to ::1: Network is unreachable
[root@localhost ~]# curl 192.168.222.142:9200
{
  "name" : "hVRpdzy",
  "cluster_name" : "elasticsearch",
  "cluster_uuid" : "KiF5gS_iQf03S0n0F0LMZw",
  "version" : {
    "number" : "6.6.2",
    "build_flavor" : "default",
    "build_type" : "tar",
    "build_hash" : "3bd3e59",
    "build_date" : "2019-03-06T15:16:26.864148Z",
    "build_snapshot" : false,
    "lucene_version" : "7.6.0",
    "minimum_wire_compatibility_version" : "5.6.0",
    "minimum_index_compatibility_version" : "5.0.0"
  },
  "tagline" : "You Know, for Search"
}
```

- 只能用 curl 192.168.222.142:9200
- 不能用 curl localhost:9200 访问
- 不能用 curl 127.0.0.1:9200 访问

02th windows访问linux的es

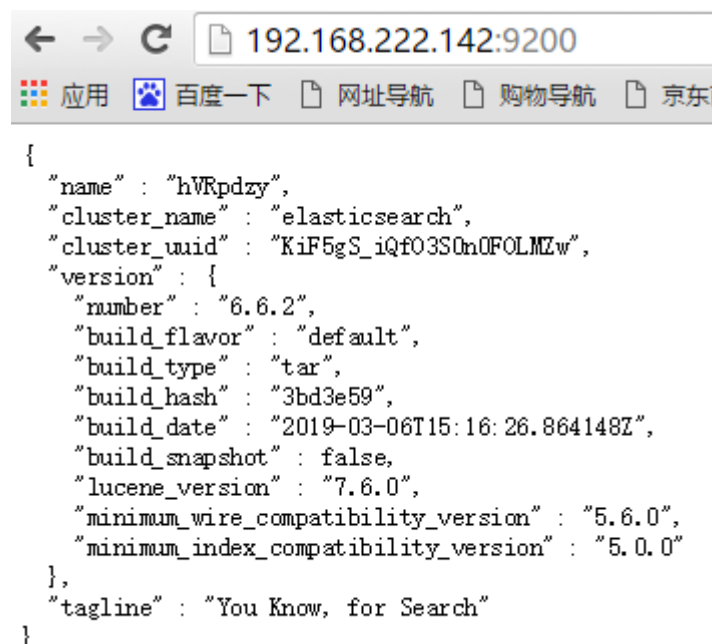
- 开启9200端口
- 这个命令特别容易写错

```
[root@localhost ~]# firewall-cmd --add-port=9200/tcp --permanent
success
[root@localhost ~]# firewall-cmd --reload
success
```

注意这个命令特别容易出错

--代表的是命令的参数

效果图



plus 这个文档对centos7和ES6.X版本都兼容

- 我本人应该装过6.4,6.5,6.6,6.7的ES,都没问题