

注: jdk1.8已安装配置

集群环境

| 操作系统 | 服务器ip | 端口号 | 是否能成为主节点 |
|---------|----------------------------|------|----------|
| centos7 | 192.168.238.160(xmjmater) | 9200 | 是 |
| centos7 | 192.168.238.161(xmjslave1) | 9200 | 是 |
| centos7 | 192.168.238.162(xmjslave2) | 9200 | 是 |

一、elasticsearch安装配置

1.下载elasticsearch

```
wget https://artifacts.elastic.co/downloads/elasticsearch/elasticsearch-7.3.0-linux-x86_64.tar.gz
```

2.解压缩

```
tar -zxvf elasticsearch-7.3.0-linux-x86_64.tar.gz -C /usr/local
cd /usr/local
mv elasticsearch-7.3.0/ elasticsearch
```

3.配置elasticsearch

```
1)编辑elasticsearch.yml (xmjmater)
vim /usr/local/elasticsearch/config/elasticsearch.yml

cluster.name: my-es #集群名称
node.name: node-1 # 节点名称
network.host: 0.0.0.0
http.port: 9200
transport.port: 9300
#初始化一个新的集群时需要此配置来选举master
cluster.initial_master_nodes: ["node-1","node-2","node-3"]
#写入候选主节点的设备地址
discovery.seed_hosts: ["192.168.238.160:9300",
"192.168.238.161:9300","192.168.238.160:9300"]
http.cors.enabled: true
http.cors.allow-origin: ""
```

```
2)按需修改jvm.options内存设置 (xmjmater)
vim /usr/local/elasticsearch/config/jvm.options
```

```
3)拷贝elasticsearch至 xmjslave1和xmjslave2, 并编辑elasticsearch.yml (参考1)
scp -r /usr/local/elasticsearch/ xmjslave1:/usr/local
scp -r /usr/local/elasticsearch/ xmjslave2:/usr/local
```

4) 添加es用户，es默认root用户无法启动，需要改为其他用户

```
useradd estest
```

#修改密码

```
passwd estest
```

#改变es目录拥有者账号

```
chown -R estest /usr/local/elasticsearch/
```

5) 修改sysctl.conf

```
vim /etc/sysctl.conf
```

#末尾添加(执行sysctl -p 让其生效):

```
vm.max_map_count=655360
```

6) 修改limits.conf

```
vim /etc/security/limits.conf
```

#末尾添加:

```
* soft nfile 65536
```

```
* hard nfile 65536
```

```
* soft nproc 4096
```

```
* hard nproc 4096
```

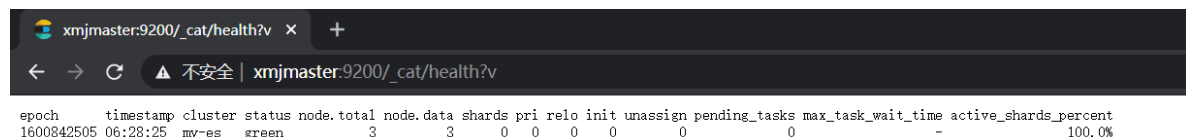
4. 启动es

```
su estest
```

```
/usr/local/elasticsearch/bin/elasticsearch
```

5. 验证集群

```
http://xmjmaster:9200/_cat/health?v
```



二、安装elasticsearch head插件

1. nodejs安装

```
cd /usr/local
```

```
wget https://nodejs.org/dist/v10.15.3/node-v10.15.3-linux-x64.tar.xz
```

```
tar xf node-v10.15.3-linux-x64.tar.xz
```

```
cd node-v10.15.3-linux-x64/
```

```
./bin/node -v
```

#设置软连接

```
ln -s /usr/local/node-v10.15.3-linux-x64/bin/npm /usr/local/bin/
```

```
ln -s /usr/local/node-v10.15.3-linux-x64/bin/node /usr/local/bin/
```

2. phantomjs安装配置

```
1) 下载解压缩
cd /usr/local
wget https://github.com/Medium/phantomjs/releases/download/v2.1.1/phantomjs-2.1.1-linux-x86_64.tar.bz2
#注意安装
yum install -y bzip2
tar -jxvf phantomjs-2.1.1-linux-x86_64.tar.bz2
```

```
2) 编辑环境变量
vim /etc/profile
export PATH=$PATH:/usr/local/phantomjs-2.1.1-linux-x86_64/bin
source /etc/profile
```

3.elasticsearch-head安装

```
npm install -g grunt-cli
npm install grunt
npm install grunt-contrib-clean
npm install grunt-contrib-concat
npm install grunt-contrib-watch
npm install grunt-contrib-connect

yum -y install git
git clone git://github.com/mobz/elasticsearch-head.git
cd elasticsearch-head
npm install -g cnpm --registry=https://registry.npm.taobao.org
```

4.启动

```
npm run start
```

5.测试

```
http://xmjmaster:9100/
```

