CDH 版本的 zookeeper 环境搭建

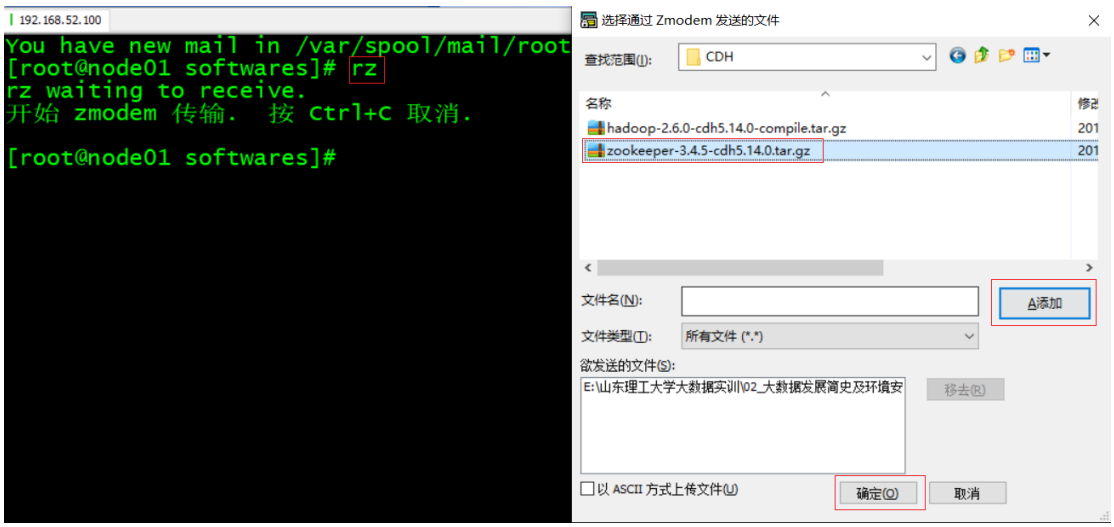
1、下载，解压

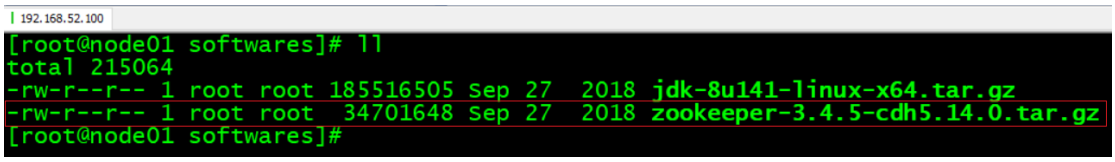
第一步：下载 zookeeeper 的压缩包，下载地址为：

http://archive.cloudera.com/cdh5/cdh/5/

我们这里也下载对应版本的 CDH5.14.0 这个版本的 zookeeper 的压缩包即可

下载完成之后，上传到我们的 linux 的/export/softwares 路径下准备进行安装





第二步：解压

解压 zookeeper 的压缩包到/export/servers 路径下去，然后准备进行安装

```
cd /export/softwares

tar -zxvf zookeeper-3.4.5-cdh5.14.0.tar.gz -C ../servers/
```

2、修改配置文件

node01 修改配置文件

创建 zk 数据存放目录

```
mkdir -p /export/servers/zookeeper-3.4.5-cdh5.14.0/zkdatas
```

```
[root@node01 servers]# mkdir -p /export/servers/zookeeper-3.4.5-cdh5.14.0/zkdatas
[root@node01 servers]# cd /export/servers/zookeeper-3.4.5-cdh5.14.0/
[root@node01 zookeeper-3.4.5-cdh5.14.0]# ll
total 1648
drwxr-xr-x  2 root root    4096 Jul  7 06:53 bin
-rw-rw-r--  1 root root      90 Jan  7  2018 build.properties
-rw-rw-r--  1 root root   82974 Jan  7  2018 build.xml
-rw-rw-r--  1 root root   76166 Jan  7  2018 CHANGES.txt
drwxr-xr-x  4 root root    4096 Jul  7 06:53 cloudera
-rw-rw-r--  1 root root    6647 Jan  7  2018 cloudera-pom.xml
drwxr-xr-x  2 root root    4096 Jul  7 06:53 conf
drwxr-xr-x 10 root root    4096 Jan  7  2018 contrib
drwxr-xr-x  2 root root    4096 Jul  7 06:53 dist-maven
drwxr-xr-x  6 root root    4096 Jul  7 06:53 docs
-rw-rw-r--  1 root root    1953 Jan  7  2018 ivysettings.xml
-rw-rw-r--  1 root root    5008 Jan  7  2018 ivy.xml
drwxr-xr-x  4 root root    4096 Jul  7 06:53 lib
drwxr-xr-x  2 root root    4096 Jul  7 06:53 libexec
-rw-rw-r--  1 root root   11358 Jan  7  2018 LICENSE.txt
-rw-rw-r--  1 root root     170 Jan  7  2018 NOTICE.txt
-rw-rw-r--  1 root root    1770 Jan  7  2018 README_packaging.txt
-rw-rw-r--  1 root root    1585 Jan  7  2018 README.txt
drwxr-xr-x  5 root root    4096 Jan  7  2018 recipes
drwxr-xr-x  2 root root    4096 Jul  7 06:53 sbin
drwxr-xr-x  3 root root    4096 Jan  7  2018 share
drwxr-xr-x  8 root root    4096 Jul  7 06:53 src
drwxr-xr-x  2 root root    4096 Jul  7 06:57 zkdatas
-rw-rw-r--  1 root root 1411650 Jan  7  2018 zookeeper-3.4.5-cdh5.14.0.jar
```

修改 zk 配置文件

```
cd /export/servers/zookeeper-3.4.5-cdh5.14.0/conf

cp zoo_sample.cfg zoo.cfg

vim  zoo.cfg
```

```
[root@node01 servers]# cd /export/servers/zookeeper-3.4.5-cdh5.14.0/conf
[root@node01 conf]# ll
total 12
-rw-rw-r-- 1 root root  535 Jan  7  2018 configuration.xsl
-rw-rw-r-- 1 root root 2693 Jan  7  2018 log4j.properties
-rw-rw-r-- 1 root root  922 Jan  7  2018 zoo_sample.cfg
[root@node01 conf]# cp zoo_sample.cfg zoo.cfg
[root@node01 conf]# ll
total 16
-rw-rw-r-- 1 root root  535 Jan  7  2018 configuration.xsl
-rw-rw-r-- 1 root root 2693 Jan  7  2018 log4j.properties
-rw-r--r-- 1 root root  922 Jul  7 07:01 zoo.cfg
-rw-rw-r-- 1 root root  922 Jan  7  2018 zoo_sample.cfg
[root@node01 conf]# vim  zoo.cfg
```

```
dataDir=/export/servers/zookeeper-3.4.5-cdh5.14.0/zkdatas
autopurge.snapRetainCount=3
autopurge.purgeInterval=1
server.1=node01:2888:3888
```

```
server.2=node02:2888:3888
server.3=node03:2888:3888
```

192.168.52.100

```
# The number of ticks that the initial
# synchronization phase can take
initLimit=10
# The number of ticks that can pass between
# sending a request and getting an acknowledgement
syncLimit=5
# the directory where the snapshot is stored.
# do not use /tmp for storage, /tmp here is just
# example sakes.
dataDir=/export/servers/zookeeper-3.4.5-cdh5.14.0/zkdatas
# the port at which the clients will connect
clientPort=2181
# the maximum number of client connections.
# increase this if you need to handle more clients
#maxClientCnxns=60
#
# Be sure to read the maintenance section of the
# administrator guide before turning on autopurge.
#
# http://zookeeper.apache.org/doc/current/zookeeperAdmin.html#sc_maintenance
#
# The number of snapshots to retain in dataDir
autopurge.snapRetainCount=3
# Purge task interval in hours
# Set to "0" to disable auto purge feature
autopurge.purgeInterval=1
server.1=node01:2888:3888
server.2=node02:2888:3888
server.3=node03:2888:3888
```

zk数据存放目录

释放这两行

添加这3行

创建 myid 文件并写入内容

```
echo 1 > /export/servers/zookeeper-3.4.5-cdh5.14.0/zkdatas/myid
```

192.168.52.100

```
[root@node01 conf]# echo 1 > /export/servers/zookeeper-3.4.5-cdh5.14.0/zkdatas/myid
[root@node01 conf]# cd /export/servers/zookeeper-3.4.5-cdh5.14.0/zkdatas/
[root@node01 zkdatas]# ll
total 4
-rw-r--r-- 1 root root 2 Jul  7 07:09 myid
[root@node01 zkdatas]# more myid
1
[root@node01 zkdatas]#
```

将安装包分发到其他机器

node01 执行以下命令

```
cd /export/servers

scp -r zookeeper-3.4.5-cdh5.14.0/ node02:$PWD

scp -r zookeeper-3.4.5-cdh5.14.0/ node03:$PWD
```

```
[root@node01 zookeeper-3.4.5-cdh5.14.0]# scp -r /export/servers/zookeeper-3.4.5-cdh5.14.0/ node02:$PWD
```

```
[root@node01 servers]# scp -r zookeeper-3.4.5-cdh5.14.0/ node03:$PWD
```

node02 修改配置文件

node02 执行以下命令

创建 myid 文件并赋值

```
echo 2 > /export/servers/zookeeper-3.4.5-cdh5.14.0/zkdatas/myid
```

node03 修改配置文件

创建 myid 文件并赋值

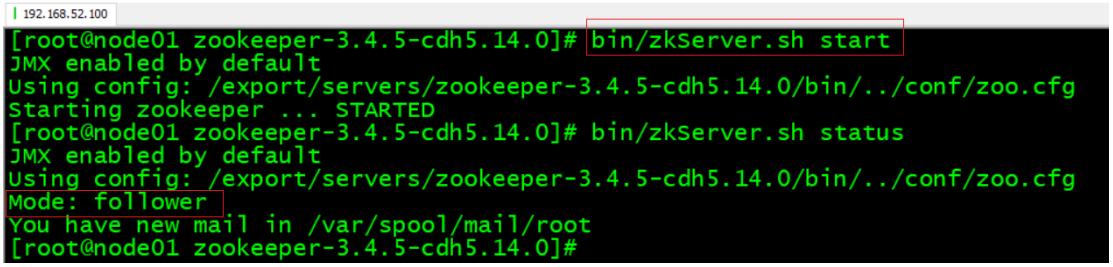
```
echo 3 > /export/servers/zookeeper-3.4.5-cdh5.14.0/zkdatas/myid
```

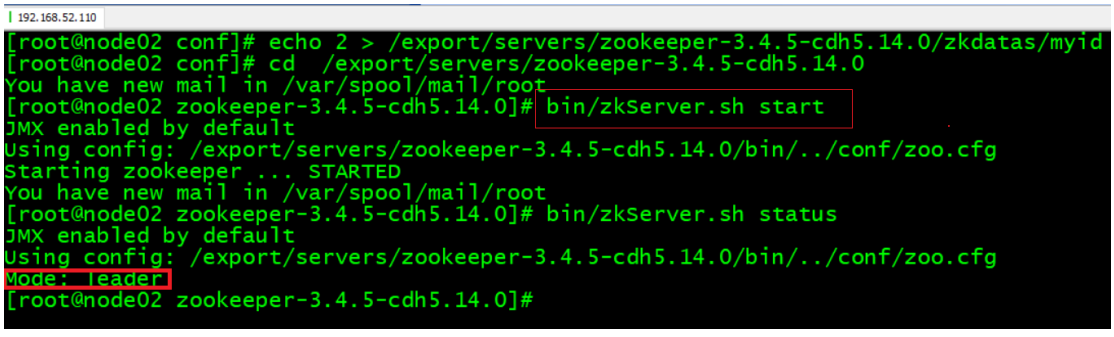
3、启动 zk 服务

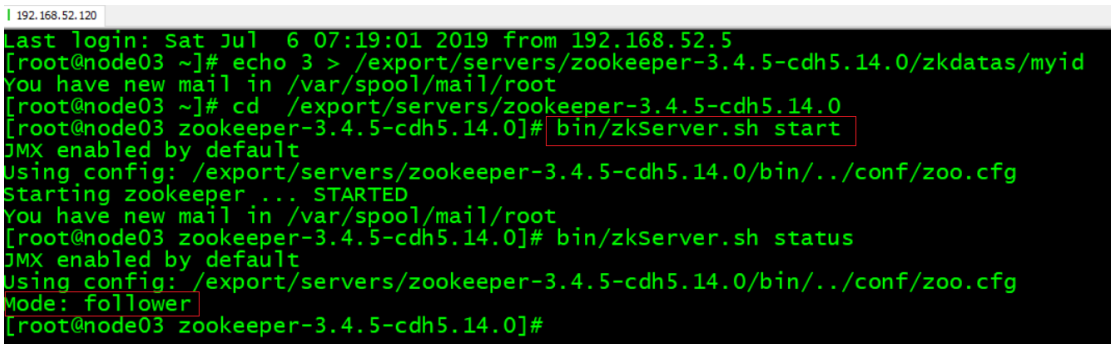
三台服务器启动 zookeeper，三台机器都执行以下命令启动 zookeeper

```
cd  /export/servers/zookeeper-3.4.5-cdh5.14.0

bin/zkServer.sh start
```






192.168.52.120
Last login: Sat Jul 6 07:19:01 2019 from 192.168.52.5
[root@node03 ~]# echo 3 > /export/servers/zookeeper-3.4.5-cdh5.14.0/zkdatas/myid
You have new mail in /var/spool/mail/root
[root@node03 ~]# cd /export/servers/zookeeper-3.4.5-cdh5.14.0
[root@node03 zookeeper-3.4.5-cdh5.14.0]# bin/zkServer.sh start
JMX enabled by default
Using config: /export/servers/zookeeper-3.4.5-cdh5.14.0/bin/../conf/zoo.cfg
Starting zookeeper ... STARTED
You have new mail in /var/spool/mail/root
[root@node03 zookeeper-3.4.5-cdh5.14.0]# bin/zkServer.sh status
JMX enabled by default
Using config: /export/servers/zookeeper-3.4.5-cdh5.14.0/bin/../conf/zoo.cfg
Mode: follower
[root@node03 zookeeper-3.4.5-cdh5.14.0]#