

8.安装Zookeeper，并分发配置

安装Zookeeper

1、上传zookeeper包到hadoop007服务器

```
-----  
apache-hive-2.3.9-bin.tar  
apache-zookeeper-3.6.3-bin.tar  
hadoop-2.7.6.tar  
jdk-8u181-linux-x64.tar  
0601 12224  
-rw-rw-r--. 1 hadoop hadoop 12516362 Apr 19 17:50 apache-zookeeper-3.6.3-bin.tar.gz  
[hadoop@hadoop007 zookeeper]$ pwd  
/home/hadoop/software/zookeeper  
[hadoop@hadoop007 zookeeper]$
```

2、解压安装包到/home/hadoop/目录下

shell命令: `tar -zxvf apache-zookeeper-3.6.3-bin.tar.gz -C /home/hadoop/`

名字太繁琐改成zookeeper

`mv apache-zookeeper-3.6.3-bin zookeeper`

3、配置服务器编号，在zk目录下/home/hadoop/zookeeper做如下操作。

创建zkData文件夹，进入zkData文件夹并创建myid文件，添加内容为1，表明当前服务的zk编号为1。

```
[hadoop@hadoop007 zkData]$ vim myid  
[hadoop@hadoop007 zkData]$ more myid  
1  
[hadoop@hadoop007 zkData]$
```

4、配置zoo.cfg文件(./zookeeper/conf下)

重命名文件zoo-sample.cfg为zoo.cfg:

shell命令: `mv zoo-sample.cfg zoo.cfg`

修改指定数据文件目录+数据持久化路径为dataDir=/home/hadoop/zookeeper/zkData

```
syncLimit=5  
# the directory where the snapshot is stored.  
# do not use /tmp for storage. /tmp here is just  
# example sakes.  
dataDir=/tmp/zookeeper  
# 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  
#
```

5、添加配置zookeeper集群的服务器编号以及对应的主机名，选举端口号和通信端口号到zoo.cfg文件中

server.1=hadoop007:2888:3888

server.2=hadoop008:2888:3888

server.3=hadoop009:2888:3888

```
#metricsProvider.exportJvmInfo=true  
  
# 配置zookeeper集群的服务器编号以及对应的主机名，选举端口号和通信端口号  
server.1=hadoop007:2888:3888  
server.2=hadoop008:2888:3888  
server.3=hadoop009:2888:3888
```

6、将/home/hadoop/zookeeper下所有内容全部ssh拷贝到008、009服务器上

shell命令: `scp -r /home/hadoop/zookeeper hadoop008:/home/hadoop`

shell命令: `scp -r /home/hadoop/zookeeper hadoop009:/home/hadoop`

7、更改hadoop008、009服务器的zk序号

将008、009服务器的zkData文件夹下的myid内容分别更改为2和3，表示zk集群的序号为2、3。

8、配置zk的环境变量系统的就建议用root配置

shell命令: `vim /etc/profile.d/my_env.sh`

添加以下内容:

```
#ZOOKEEPER_HOME  
export ZOOKEEPER_HOME=/home/hadoop/zookeeper  
export PATH=$PATH:$ZOOKEEPER_HOME/bin
```

配置完成记得分发到另外两台机器*

9、更新环境变量（三台都需要更新）并启动zk

更新环境变量命令: `source /etc/profile`

启动三台zk:

`/home/hadoop/zookeeper/bin/zkServer.sh start`

查看状态是否正常（三台都要查看）

`/home/hadoop/zookeeper/bin/zkServer.sh status`