

一、准备压缩包

选择对应的Zookeeper安装包，这里我选择的是zookeeper-3.4.14。

下载地址：<http://mirror.bit.edu.cn/apache/zookeeper/>

二、安装Zookeeper

将压缩包通过WinScp上传至/home/zookeeper文件下，使用tar命令解压压缩包

```
tar -zxvf zookeeper-3.4.14.tar.gz
```

进入 conf 文件夹下，将 zoo_sample.cfg 复制一份并命名为 zoo.cfg

```
cd /home/zookeeper/zookeeper-3.4.14/conf  
cp zoo_sample.cfg zoo.cfg
```

创建数据存储目录与日志目录，简单修改zoo.cfg的配置

```
mkdir /home/zookeeper/dataDir  
mkdir /home/zookeeper/dataLogDir  
vim /home/zookeeper/zookeeper-3.4.14/conf/zoo.cfg
```

```
dataDir=/home/zookeeper/dataDir  
dataLogDir=/home/zookeeper/dataLogDir
```

配置zookeeper环境变量

```
vim /etc/profile
```

```
export ZOOKEEPER_HOME=/home/zookeeper/zookeeper-3.4.14  
export PATH=$PATH:$ZOOKEEPER_HOME/bin
```

使环境变量生效：

```
source /etc/profile
```

三、测试使用

1) 启动

```
/home/zookeeper/zookeeper-3.4.14/bin/zkServer.sh start
```

查询 zookeeper 状态

```
/home/zookeeper/zookeeper-3.4.14/bin/zkServer.sh status
```

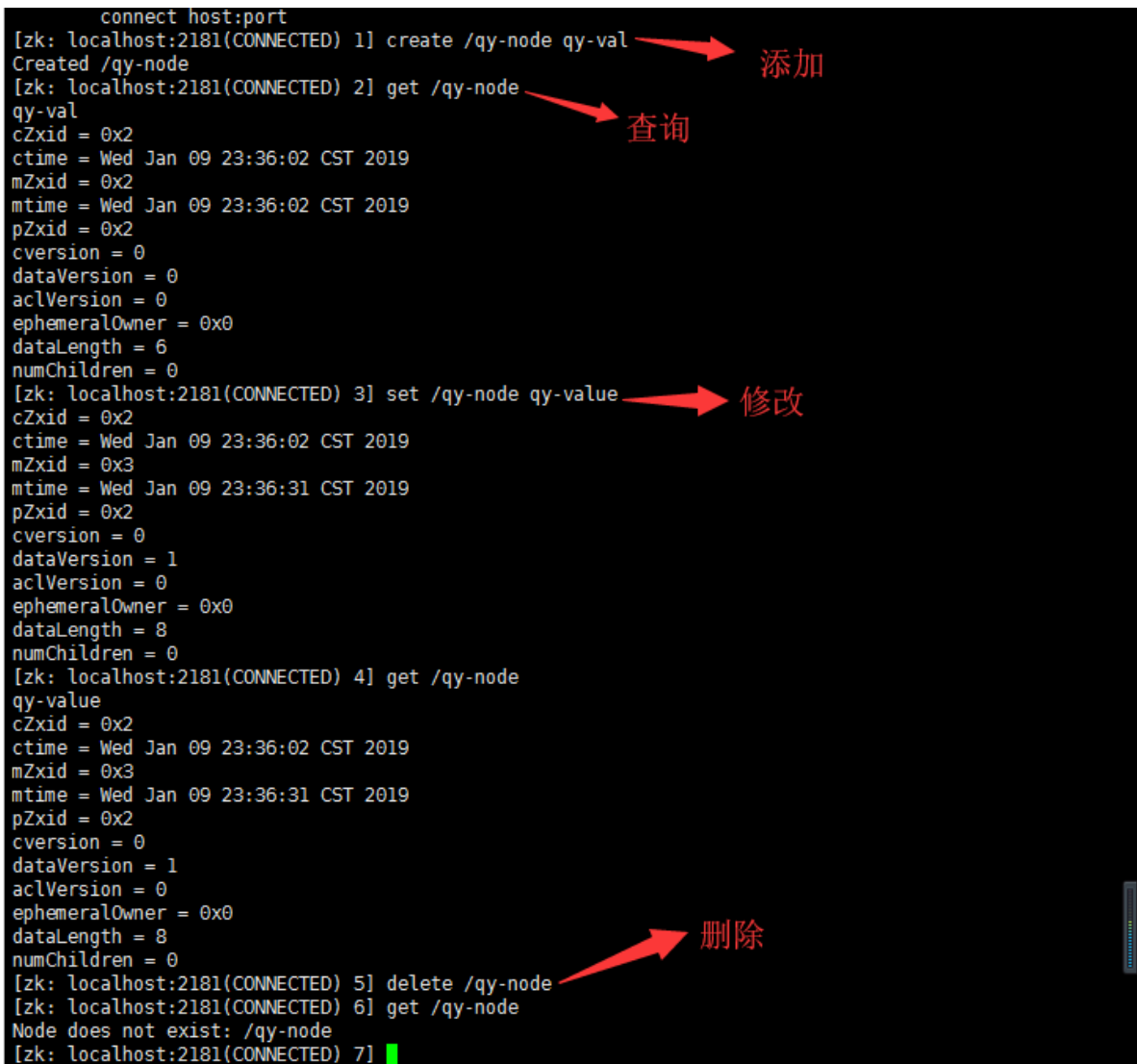
关闭 zookeeper 服务

```
/home/zookeeper/zookeeper-3.4.14/bin/zkServer.sh stop
```

2) 连接

```
/home/zookeeper/zookeeper-3.4.14/bin/zkCli.sh
```

3) 增删改查



```
connect host:port
[zk: localhost:2181(CONNECTED) 1] create /qy-node qy-val
Created /qy-node
[zk: localhost:2181(CONNECTED) 2] get /qy-node
qy-val
cZxid = 0x2
ctime = Wed Jan 09 23:36:02 CST 2019
mZxid = 0x2
mtime = Wed Jan 09 23:36:02 CST 2019
pZxid = 0x2
cversion = 0
dataVersion = 0
aclVersion = 0
ephemeralOwner = 0x0
dataLength = 6
numChildren = 0
[zk: localhost:2181(CONNECTED) 3] set /qy-node qy-value
cZxid = 0x2
ctime = Wed Jan 09 23:36:02 CST 2019
mZxid = 0x3
mtime = Wed Jan 09 23:36:31 CST 2019
pZxid = 0x2
cversion = 0
dataVersion = 1
aclVersion = 0
ephemeralOwner = 0x0
dataLength = 8
numChildren = 0
[zk: localhost:2181(CONNECTED) 4] get /qy-node
qy-value
cZxid = 0x2
ctime = Wed Jan 09 23:36:02 CST 2019
mZxid = 0x3
mtime = Wed Jan 09 23:36:31 CST 2019
pZxid = 0x2
cversion = 0
dataVersion = 1
aclVersion = 0
ephemeralOwner = 0x0
dataLength = 8
numChildren = 0
[zk: localhost:2181(CONNECTED) 5] delete /qy-node
[zk: localhost:2181(CONNECTED) 6] get /qy-node
Node does not exist: /qy-node
[zk: localhost:2181(CONNECTED) 7] █
```

添加

查询

修改

删除

4) 其他

help 查看指令帮助

```
hatched event state:syncconnected type:None path:null
[zk: localhost:2181(CONNECTED) 0] help
ZooKeeper -server host:port cmd args
    stat path [watch]
    set path data [version]
    ls path [watch]
    delquota [-n|-b] path
    ls2 path [watch]
    setAcl path acl
    setquota -n|-b val path
    history
    redo cmdno
    printwatches on|off
    delete path [version]
    sync path
    listquota path
    rmr path
    get path [watch]
    create [-s] [-e] path data acl
    addauth scheme auth
    quit
    getAcl path
    close
    connect host:port
[zk: localhost:2181(CONNECTED) 1] █
```

四、设置开机自启

进入 /etc/init.d 目录

创建文件zookeeper，并添加脚本

```
vim zookeeper
```

```
#!/bin/bash
#chkconfig:2345 20 90
#description:zookeeper
#processname:zookeeper
ZK_PATH=/home/zookeeper/zookeeper-3.4.14
export JAVA_HOME=/usr/java/jdk1.8.0_212
case $1 in
    start) sh $ZK_PATH/bin/zkServer.sh start;;
    stop) sh $ZK_PATH/bin/zkServer.sh stop;;
    status) sh $ZK_PATH/bin/zkServer.sh status;;
    restart) sh $ZK_PATH/bin/zkServer.sh restart;;
    *) echo "require start|stop|status|restart" ;;
esac
```

保存脚本之后，执行以下指令将其注册为服务：

```
chkconfig --add zookeeper
```

修改创建的zookeeper服务权限

```
chmod +x zookeeper
```

```
[root@localhost init.d]# vim zookeeper
[root@localhost init.d]# chkconfig --add zookeeper
[root@localhost init.d]# chmod +x zookeeper
[root@localhost init.d]# service zookeeper start
ZooKeeper JVM enabled by default
Using config: /home/zookeeper/zookeeper-3.4.14/bin/../conf/zoo.cfg
Starting zookeeper ... STARTED
[root@localhost init.d]# service zookeeper status
ZooKeeper JVM enabled by default
Using config: /home/zookeeper/zookeeper-3.4.14/bin/../conf/zoo.cfg
Mode: standalone
[root@localhost init.d]# ps -ef|grep zookeeper
root      15577      1  3:13:27 pts/0    00:00:00 /usr/java/dk1.9.0_212/bin/java -Dzookeeper.log.dir=. -Dzookeeper.root.logger=INFO,CONSOLE -cp /home/zookeeper/zookeeper-3.4.14/bin/../zookeeper-server/target/classes:/home/zookeeper/zookeeper-3.4.14/bin/../build/lib/*.jar:/home/zookeeper/zookeeper-3.4.14/bin/../lib/slf4j-log4j12-1.7.25.jar:/home/zookeeper/zookeeper-3.4.14/bin/../lib/slf4j-api-1.7.25.jar:/home/zookeeper/zookeeper-3.4.14/bin/../lib/netty-3.10.6.Final.jar:/home/zookeeper/zookeeper-3.4.14/bin/../lib/log4j-1.2.17.jar:/home/zookeeper/zookeeper-3.4.14/bin/../lib/jline-0.9.94.jar:/home/zookeeper/zookeeper-3.4.14/bin/../lib/audience-annotations-0.5.0.jar:/home/zookeeper/zookeeper-3.4.14/bin/../zookeeper-server/src/main/resources/lib/*.jar:/home/zookeeper/zookeeper-3.4.14/bin/../conf:/home/zookeeper/zookeeper-3.4.14/bin/../zookeeper-server/quorumQuorumPeerMain /home/zookeeper/zookeeper-3.4.14/bin/../conf/zoo.cfg
root      16664 13022  0 3:27 pts/0    00:00:00 grep --color=auto zookeeper
[root@localhost init.d]#
```

五、开启防火墙端口

```
firewall-cmd --zone=public --add-port=2181/tcp --permanent #开放2181端口
```

重启防火墙

```
firewall-cmd --reload # 开启或关闭端口需要重启，重启后配置立即生效
```

查看开放的端口号

```
firewall-cmd --list-all #查看所有
firewall-cmd --list-ports #查看所有开放的端口
```