南京信息工程大学 实验(实习)报告

 实验(实习)名称
 实验五: 熟悉常用的 Hbase 操作 (实习)日期
 5-18
 得分

 指导教师
 孙乐
 专业
 软件工程(中外合作办学)
 年级
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 班次
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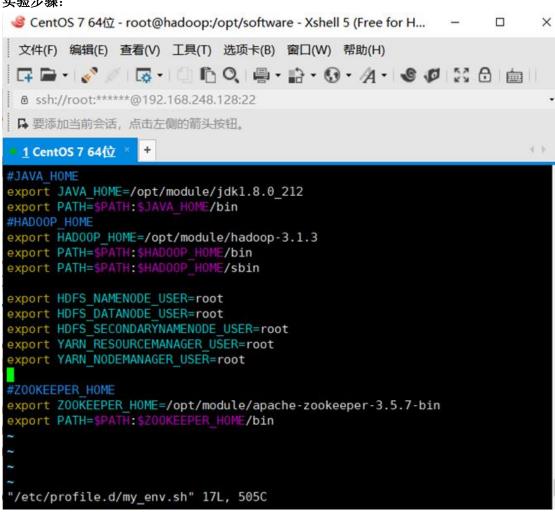
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 学号
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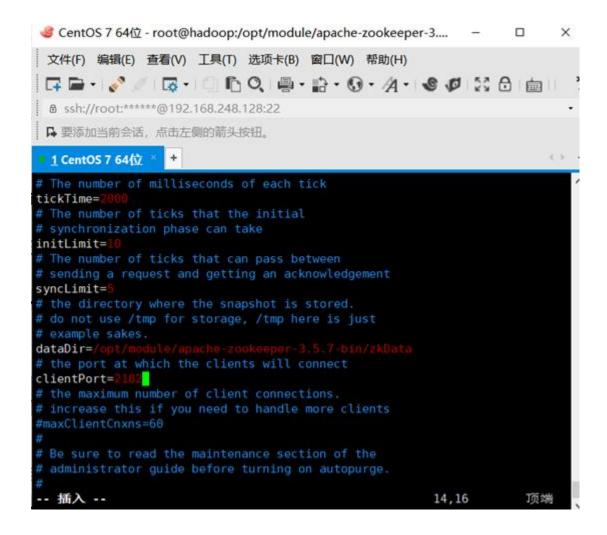
实验目的: 学习大数据领域中常用的 NoSQL 数据库 Hbase 的使用 **实验内容**:

- 1. 安装并配置 Zookeeper
- 2. 安装并配置 Hbase
- 3. 熟悉常用的 Hbase shell 操作

实验环境: Linux 系统、VMware

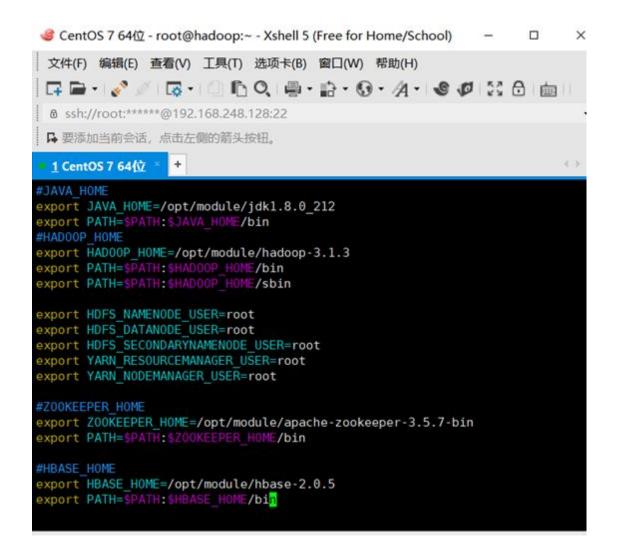
实验步骤:

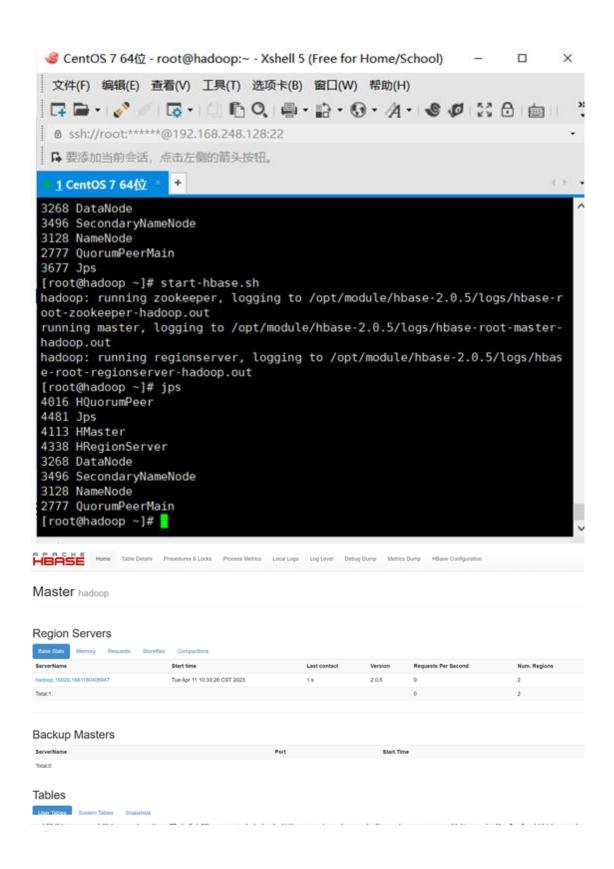




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    ② CentOS 7 64位 - root@hadoop:/opt/module/apache-zookeeper-3.... 
    □

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6 ssh://root:*****@192.168.248.128:22
□ 要添加当前会话,点击左侧的箭头按钮。
■ 1 CentOS 7 64位 * +
mv: 无法获取"zoo_sample.cfg" 的文件状态(stat): 没有那个文件或目录
[root@hadoop software]# cd /opt/
[root@hadoop opt]# cd
[root@hadoop ~]# vim /etc/profile.d/my_env.sh
[root@hadoop ~]# source /etc/profile
[root@hadoop ~]# mv zoo_sample.cfg zoo.cfg
mv: 无法获取"zoo_sample.cfg" 的文件状态(stat): 没有那个文件或目录
[root@hadoop ~]# cd /opt/conf/
-bash: cd: /opt/conf/: 没有那个文件或目录
[root@hadoop ~]# cd /opt/module/apache-zookeeper-3.5.7-bin/conf
[root@hadoop conf]# mv zoo_sample.cfg zoo.cfg
[root@hadoop conf]# vim zoo.cfg
[root@hadoop conf]# cd /opt/module/apache-zookeeper-3.5.7-bin/
[root@hadoop apache-zookeeper-3.5.7-bin]# mkdir zkData
[root@hadoop apache-zookeeper-3.5.7-bin]# zkServer.sh start
ZooKeeper JMX enabled by default
Using config: /opt/module/apache-zookeeper-3.5.7-bin/bin/../conf/zoo.cfg
Starting zookeeper ... STARTED
[root@hadoop apache-zookeeper-3.5.7-bin]# jps
2819 Jps
2777 QuorumPeerMain
[root@hadoop apache-zookeeper-3.5.7-bin]#
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1 CentOS 7 64位 × +
HBase Shell
Jse "help" to get list of supported commands.
Jse "exit" to quit this interactive shell.
For Reference, please visit: http://hbase.apache.org/2.0/book.html#shell
Version 2.0.5, rUnknown, Thu Jun 18 15:10:52 CST 2020
Took 0.0161 seconds
hbase(main):001:0> list namespace
NAMESPACE
default
nbase
2 row(s)
Took 1.7372 seconds
hbase(main):002:0> create namespace "test"
Took 0.5032 seconds
nbase(main):003:0> drop_namespace "test"
Took 0.4116 seconds
hbase(main):004:0> list
TABLE
9 row(s)
Took 0.0661 seconds
> []
hbase(main):005:0>
```

```
• 1 CentOS 7 64位 * +
Took 0.1714 seconds
=> 2
hbase(main):018:0> deleteall 'student','1001'
Took 0.0353 seconds
hbase(main):019:0> delete 'student','1002','info:sex'
Took 0.0380 seconds
hbase(main):020:0> truncate 'student'
Truncating 'student' table (it may take a while):
Disabling table...
Truncating table...
Took 5.0151 seconds
hbase(main):021:0> disable 'student'
Took 0.8700 seconds
hbase(main):022:0> drop 'student'
Took 0.6135 seconds
hbase(main):023:0> exit
[root@hadoop ~]# stop-hbase.sh
stopping hbase.....
hadoop: running zookeeper, logging to /opt/module/hbase-2.0.5/logs/hbase-r
hadoop: stopping zookeeper.
[root@hadoop ~]# zkServer.sh stop
ZooKeeper JMX enabled by default
```