

hbasehw12

完成课程中的命令练习测试

1 快照操作

1.1 配置快照

在HBase的配置文件hbase-site.xml中配置快照

```
<property>
<name>hbase.snapshot.enabled</name>
<value>true</value>
</property>
```

1.2 创建快照、查看快照

```
hbase(main):005:0> snapshot 'table2','table2snapshot'
0 row(s) in 0.7820 seconds

hbase(main):006:0> list_snapshots
SNAPSHOT                                TABLE + CREATION TIME
table2snapshot                          table2 (Thu Sep 13 09:27:06 +0800 2018)
```

查看在hdfs上生成的文件

Hadoop

Overview

Datanodes

Snapshot

Startup Progress

Utilities

Browse Directory

/hbase/.hbase-snapshot/table2snapshot

Permission

Owner

Group

Size

Last Modified

Replication

Block Size

Name

-rW-f--f--	ian	supergroup	0 B	9/13/2018, 9:27:06 AM	1	128 MB	.inprogress
-rW-f--f--	ian	supergroup	35 B	9/13/2018, 9:27:07 AM	1	128 MB	.snapshotinfo
-rW-f--f--	ian	supergroup	372 B	9/13/2018, 9:27:07 AM	1	128 MB	data.manifest

1.3 利用快照克隆表

```
hbase(main):007:0> clone_snapshot 'table2snapshot', 'table21'
0 row(s) in 0.8830 seconds
```

```
hbase(main):008:0> scan 'table21'
ROW                                COLUMN+CELL
rk001                             column=info:name, timestamp=1532504076816, value=zhangsan
rk002                             column=info:name, timestamp=1532504088934, value=zhangsan2
rk003                             column=info:name, timestamp=1532504096930, value=zhangsan3
rk004                             column=info:name, timestamp=1532504468927, value=zhangsan4
rk005                             column=info:name, timestamp=1534485871811, value=zhangsan5
rk007                             column=info:name, timestamp=1534486147906, value=zhangsan71
rk008                             column=info:name, timestamp=1532504076817, value=zhangsan81
7 row(s) in 0.1220 seconds
```

1.4 利用快照恢复表

```
hbase(main):009:0> put 'table2','rk009','info:name','zhangsan9'
0 row(s) in 0.1150 seconds

hbase(main):010:0> scan 'table2'
ROW                                COLUMN+CELL
rk001                             column=info:name, timestamp=1532504076816, value=zhangsan
rk002                             column=info:name, timestamp=1532504088934, value=zhangsan2
rk003                             column=info:name, timestamp=1532504096930, value=zhangsan3
rk004                             column=info:name, timestamp=1532504468927, value=zhangsan4
rk005                             column=info:name, timestamp=1534485871811, value=zhangsan5
rk007                             column=info:name, timestamp=1534486147906, value=zhangsan71
rk008                             column=info:name, timestamp=1532504076817, value=zhangsan81
rk009                             column=info:name, timestamp=1536802661998, value=zhangsan9
8 row(s) in 0.0350 seconds

hbase(main):011:0> disable 'table2'
0 row(s) in 2.4300 seconds

hbase(main):012:0> restore_snapshot 'table2snapshot'
0 row(s) in 0.7870 seconds

hbase(main):014:0> scan 'table2'
ROW                                COLUMN+CELL
rk001                             column=info:name, timestamp=1532504076816, value=zhangsan
rk002                             column=info:name, timestamp=1532504088934, value=zhangsan2
rk003                             column=info:name, timestamp=1532504096930, value=zhangsan3
rk004                             column=info:name, timestamp=1532504468927, value=zhangsan4
rk005                             column=info:name, timestamp=1534485871811, value=zhangsan5
rk007                             column=info:name, timestamp=1534486147906, value=zhangsan71
rk008                             column=info:name, timestamp=1532504076817, value=zhangsan81
7 row(s) in 0.1820 seconds
```

1.5 删除快照

```
hbase(main):015:0> delete
delete          delete_all_snapshot  delete_snapshot  deleteall
hbase(main):015:0> delete_snapshot 'table2snapshot'
0 row(s) in 0.0420 seconds

hbase(main):016:0> list_snapshots
SNAPSHOT          TABLE + CREATION TIME
0 row(s) in 0.0170 seconds

=> []
```

2 hbase集群复制

```
hbase(main):017:0> list_peers
PEER_ID CLUSTER_KEY STATE TABLE_CFS
0 row(s) in 0.1450 seconds

hbase(main):018:0> status 'replication'
version 1.2.6.1
4 live servers
h3:
SOURCE:
SINK  : AgeOfLastAppliedOp=0, TimeStampsOfLastAppliedOp=Thu Sep 13 09:25:16 CST 2018
h2:
SOURCE:
SINK  : AgeOfLastAppliedOp=0, TimeStampsOfLastAppliedOp=Thu Sep 13 09:25:16 CST 2018
h1:
SOURCE:
SINK  : AgeOfLastAppliedOp=0, TimeStampsOfLastAppliedOp=Thu Sep 13 09:25:16 CST 2018
h4:
SOURCE:
SINK  : AgeOfLastAppliedOp=0, TimeStampsOfLastAppliedOp=Thu Sep 13 09:25:17 CST 2018
```