

Hbase作业

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Hbase集群安装遇到问题

问题1 /opt/software/hadoop-3.1.3/libexec/hadoop-functions.sh:行2395:

HADOOP_ORG.APACHE.HADOOP.HBASE.UTIL.GETJAVAPROPERTY_USER:错误的替换

问题2 Failed get of master address: java.io.IOException: Can't get master address from ZooKeeper;

znode data == null

问题3 hbase shell命令使用正常, wei ui 无法打开60010页面

集群环境

CentOS Linux release 8.3.2011

Hadoop 3.1.3

Zookeeper 3.4.6

Hbase 2.1.0

java version "1.8.0_291"

POM文件

```
<?xml version="1.0" encoding="UTF-8"?>
<project xmlns="http://maven.apache.org/POM/4.0.0"
  xmlns:xsi="http://www.w3.org/2001/XMLSchema-instance"
  xsi:schemaLocation="http://maven.apache.org/POM/4.0.0
http://maven.apache.org/xsd/maven-4.0.0.xsd">
  <modelVersion>4.0.0</modelVersion>

  <groupId>org.example</groupId>
  <artifactId>HbaseAPI</artifactId>
  <version>1.0-SNAPSHOT</version>

  <properties>
    <maven.compiler.source>8</maven.compiler.source>
```

```

<maven.compiler.target>8</maven.compiler.target>
<hadoop.version>3.0.0</hadoop.version>
<hbase.version>2.1.0</hbase.version>
<junit.version>4.13</junit.version>
<lombok.version>1.18.10</lombok.version>
</properties>
<dependencies>
  <dependency>
    <groupId>org.apache.hbase</groupId>
    <artifactId>hbase-client</artifactId>
    <version>${hbase.version}</version>
  </dependency>
  <dependency>
    <groupId>org.projectlombok</groupId>
    <artifactId>lombok</artifactId>
    <version>${lombok.version}</version>
  </dependency>
  <dependency>
    <groupId>junit</groupId>
    <artifactId>junit</artifactId>
    <version>${junit.version}</version>
  </dependency>
</dependencies>
</project>

```

表结构设计

name	info		score	
	student_id	class	understanding	programming
Tom	202100000000001	1	75	82
Jerry	202100000000002	1	85	67
Jack	202100000000003	2	80	80
Rose	202100000000004	2	60	61
\$your_name	\$your_student_id			

针对给出的表结构设计，改造成了下列结构

表空间	表名	rowkey	列族info	列族score
wanghuan	student	student_id	name,student_id,class	understanding,programming

测试数据文件

src/main/resources/infodata.txt

```

Tom 202100000000001 1 75 82
Jerry 202100000000002 1 85 67
Jack 202100000000003 2 80 80
Rose 202100000000004 2 60 61
wanghuan G20210579030073 1 90 90

```

创建表

```
hbase(main):005:0> list
TABLE
wanghuan:student
1 row(s)
Took 0.0198 seconds
=> ["wanghuan:student"]
hbase(main):006:0> desc 'wanghuan:student'
Table wanghuan:student is ENABLED
wanghuan:student
COLUMN FAMILIES DESCRIPTION
{NAME => 'info', VERSIONS => '5', EVICT_BLOCKS_ON_CLOSE => 'false', NEW_VERSION_BEHAVIOR => 'false', KEEP_DELETED_CELLS => 'FALSE', CACHE_DATA_ON_WRITE => 'false', DATA_BLOCK_ENCODING => 'NONE', TTL => 'FOREVER', MIN_VERSIONS => '0', REPLICATION_SCOPE => '0', BLOOMFILTER => 'ROW', CACHE_INDEX_ON_WRITE => 'false', IN_MEMORY => 'false', CACHE_BLOOMS_ON_WRITE => 'false', PREFETCH_BLOCKS_ON_OPEN => 'false', COMPRESSION => 'NONE', BLOCKCACHE => 'true', BLOCKSIZE => '65536'}
{NAME => 'score', VERSIONS => '5', EVICT_BLOCKS_ON_CLOSE => 'false', NEW_VERSION_BEHAVIOR => 'false', KEEP_DELETED_CELLS => 'FALSE', CACHE_DATA_ON_WRITE => 'false', DATA_BLOCK_ENCODING => 'NONE', TTL => 'FOREVER', MIN_VERSIONS => '0', REPLICATION_SCOPE => '0', BLOOMFILTER => 'ROW', CACHE_INDEX_ON_WRITE => 'false', IN_MEMORY => 'false', CACHE_BLOOMS_ON_WRITE => 'false', PREFETCH_BLOCKS_ON_OPEN => 'false', COMPRESSION => 'NONE', BLOCKCACHE => 'true', BLOCKSIZE => '65536'}
2 row(s)
Took 0.0352 seconds
```

Table wanghuan:student

Table Attributes

Attribute Name	Value	Description
Enabled	true	Is the table enabled
Compaction	NONE	Is the table compacting

Table Schema

Column Name		
info	Property	Value
	VERSIONS	5
	EVICT_BLOCKS_ON_CLOSE	false
	NEW_VERSION_BEHAVIOR	false
	KEEP_DELETED_CELLS	FALSE
	CACHE_DATA_ON_WRITE	false
	DATA_BLOCK_ENCODING	NONE
	TTL	2147483647
	MIN_VERSIONS	0
	REPLICATION_SCOPE	0
	BLOOMFILTER	ROW
	CACHE_INDEX_ON_WRITE	false
	IN_MEMORY	false
	CACHE_BLOOMS_ON_WRITE	false
	PREFETCH_BLOCKS_ON_OPEN	false
	COMPRESSION	NONE
	BLOCKCACHE	true
	BLOCKSIZE	65536
score	Property	Value
	VERSIONS	5
	EVICT_BLOCKS_ON_CLOSE	false
	NEW_VERSION_BEHAVIOR	false
	KEEP_DELETED_CELLS	FALSE
	CACHE_DATA_ON_WRITE	false
	DATA_BLOCK_ENCODING	NONE
	TTL	2147483647
	MIN_VERSIONS	0
	REPLICATION_SCOPE	0
	BLOOMFILTER	ROW
	CACHE_INDEX_ON_WRITE	false
	IN_MEMORY	false
	CACHE_BLOOMS_ON_WRITE	false
	PREFETCH_BLOCKS_ON_OPEN	false
	COMPRESSION	NONE
	BLOCKCACHE	true
	BLOCKSIZE	65536

插入数据

```
hbase(main):008:0> scan 'wanghuan:student'
ROW                                COLUMN+CELL
20210000000001                    column=info:class, timestamp=1627383645163, value=1
20210000000001                    column=info:name, timestamp=1627383645163, value=Tom
20210000000001                    column=info:student_id, timestamp=1627383645163, value=20210000000001
20210000000001                    column=score:programming, timestamp=1627383645163, value=75
20210000000001                    column=score:understanding, timestamp=1627383645163, value=75
20210000000002                    column=info:class, timestamp=1627383645163, value=1
20210000000002                    column=info:name, timestamp=1627383645163, value=Jerry
20210000000002                    column=info:student_id, timestamp=1627383645163, value=20210000000002
20210000000002                    column=score:programming, timestamp=1627383645163, value=85
20210000000002                    column=score:understanding, timestamp=1627383645163, value=85
20210000000003                    column=info:class, timestamp=1627383645163, value=2
20210000000003                    column=info:name, timestamp=1627383645163, value=Jack
20210000000003                    column=info:student_id, timestamp=1627383645163, value=20210000000003
20210000000003                    column=score:programming, timestamp=1627383645163, value=80
20210000000003                    column=score:understanding, timestamp=1627383645163, value=80
20210000000004                    column=info:class, timestamp=1627383645163, value=2
20210000000004                    column=info:name, timestamp=1627383645163, value=Rose
20210000000004                    column=info:student_id, timestamp=1627383645163, value=20210000000004
20210000000004                    column=score:programming, timestamp=1627383645163, value=60
20210000000004                    column=score:understanding, timestamp=1627383645163, value=60
G20210579030073                    column=info:class, timestamp=1627383645163, value=1
G20210579030073                    column=info:name, timestamp=1627383645163, value=wanghuan
G20210579030073                    column=info:student_id, timestamp=1627383645163, value=G20210579030073
G20210579030073                    column=score:programming, timestamp=1627383645163, value=90
G20210579030073                    column=score:understanding, timestamp=1627383645163, value=90
5 row(s)
Took 0.1009 seconds
```

查询数据

指定RowKey 点查一行数据

```
493 // 3. 按照RowKey 点查一行数据
494 String rowKey = "G20210579030073" ;
495 Student stu = hbaseApi0peration.getRecordByRowKey(HbaseApi0peration.tableName,rowKey);
496 System.out.println(stu.getName() + " " + stu.getStudent_id() + " " + stu.getClassInfo()
497     + " " + stu.getUnderstanding() + " " + stu.getProgramming());
498 // 4. 按照RowKey 查询单cell 内容
```

Run: HbaseApiOperation x

```
2021-07-27 19:11:17,873 INFO [org.apache.zookeeper.ZooKeeper] - Client environment:user.home=C:\Users\49921
2021-07-27 19:11:17,873 INFO [org.apache.zookeeper.ZooKeeper] - Client environment:user.dir=C:\Users\49921\Desktop\GeekTime\geektime\0725HbaseAPI
2021-07-27 19:11:17,874 INFO [org.apache.zookeeper.ZooKeeper] - Initiating client connection, connectString=192.168.2.100:2181,192.168.2.101:2181,192.168.2.102:2181
2021-07-27 19:11:18,231 INFO [org.apache.zookeeper.ClientCnxn] - Opening socket connection to server 192.168.2.101/192.168.2.101:2181. Will not attempt to connect to 192.168.2.100/192.168.2.100:2181
2021-07-27 19:11:18,232 INFO [org.apache.zookeeper.ClientCnxn] - Socket connection established to 192.168.2.101/192.168.2.101:2181, initiating session
2021-07-27 19:11:18,239 INFO [org.apache.zookeeper.ClientCnxn] - Session establishment complete on server 192.168.2.101/192.168.2.101:2181, sessionId = 0x545997b1
wanghuan G20210579030073 1 90 90
2021-07-27 19:11:19,265 INFO [org.apache.hadoop.hbase.zookeeper.ReadOnlyZKClient] - Close zookeeper connection 0x545997b1 to 192.168.2.100:2181,192.168.2.101:2181,192.168.2.102:2181
```

指定RowKey、列族、列名 查询单cell 内容

```
498 // 4. 按照RowKey 查询单cell 内容
499 String rowKey = "G20210579030073" ;
500 String coloumnFamily = "info" ;
501 String name = hbaseApi0peration.getCellDataByRowKey(HbaseApi0peration.tableName,rowKey,coloumnFamily,col:"name");
502 System.out.println("name = " + name);
503
```

Run: HbaseApiOperation x

```
2021-07-27 19:13:19,465 INFO [org.apache.zookeeper.ZooKeeper] - Client environment:java.compiler=<NA>
2021-07-27 19:13:19,466 INFO [org.apache.zookeeper.ZooKeeper] - Client environment:os.name=Windows 10
2021-07-27 19:13:19,466 INFO [org.apache.zookeeper.ZooKeeper] - Client environment:os.arch=amd64
2021-07-27 19:13:19,466 INFO [org.apache.zookeeper.ZooKeeper] - Client environment:os.version=10.0
2021-07-27 19:13:19,466 INFO [org.apache.zookeeper.ZooKeeper] - Client environment:user.name=49921
2021-07-27 19:13:19,466 INFO [org.apache.zookeeper.ZooKeeper] - Client environment:user.home=C:\Users\49921
2021-07-27 19:13:19,466 INFO [org.apache.zookeeper.ZooKeeper] - Client environment:user.dir=C:\Users\49921\Desktop\GeekTime\geektime\0725HbaseAPI
2021-07-27 19:13:19,468 INFO [org.apache.zookeeper.ZooKeeper] - Initiating client connection, connectString=192.168.2.100:2181,192.168.2.101:2181,192.168.2.102:2181
2021-07-27 19:13:19,810 INFO [org.apache.zookeeper.ClientCnxn] - Opening socket connection to server 192.168.2.100/192.168.2.100:2181
2021-07-27 19:13:19,811 INFO [org.apache.zookeeper.ClientCnxn] - Socket connection established to 192.168.2.100/192.168.2.100:2181
2021-07-27 19:13:19,823 INFO [org.apache.zookeeper.ClientCnxn] - Session establishment complete on server 192.168.2.100/192.168.2.100:2181, sessionId = 0x545997b1
name = wanghuan
2021-07-27 19:13:20,826 INFO [org.apache.hadoop.hbase.zookeeper.ReadOnlyZKClient] - Close zookeeper connection 0x545997b1 to 192.168.2.100:2181,192.168.2.101:2181,192.168.2.102:2181
```

批量rowkey 查询

查询条件: rowkey为 "20210000000002", "20210000000001"

```
// 11. 按照rowkey 批量查询结果
List<String> list = new ArrayList<String>() ;
list.add("20210000000002") ;
list.add("20210000000001") ;
List<Student> studentList = hbaseApiOperation.batchQueryTableByRowKey(HbaseApiOperation.tableName,list);
for (Student stu: studentList) {
    System.out.println(stu.getName() + " " + stu.getStudent_id() + " " + stu.getClassInfo()
        + " " + stu.getUnderstanding() + " " + stu.getProgramming());
}

HbaseApiOperation x
2021-07-27 19:29:26,889 INFO [org.apache.zookeeper.ZooKeeper] - Client environment:user.dir=C:\Users\49921\Desktop
2021-07-27 19:29:26,891 INFO [org.apache.zookeeper.ZooKeeper] - Initiating client connection, connectString=192.168.2.102:2181
2021-07-27 19:29:27,221 INFO [org.apache.zookeeper.ClientCnxn] - Opening socket connection to server 192.168.2.102:2181
2021-07-27 19:29:27,224 INFO [org.apache.zookeeper.ClientCnxn] - Socket connection established to 192.168.2.102/192.168.2.102:2181
2021-07-27 19:29:27,233 INFO [org.apache.zookeeper.ClientCnxn] - Session establishment complete on server 192.168.2.102:2181,
null 20210000000002 null 85 85
Tom 20210000000001 1 75 75
2021-07-27 19:29:28,345 INFO [org.apache.hadoop.hbase.zookeeper.ReadOnlyZKClient] - Close zookeeper connection 0x5
```

全表遍历

```
// 5. 全表遍历
List<Student> studentList = hbaseApiOperation.queryAllTable(HbaseApiOperation.tableName);
for (Student stu: studentList) {
    System.out.println(stu.getName() + " " + stu.getStudent_id() + " " + stu.getClassInfo()
        + " " + stu.getUnderstanding() + " " + stu.getProgramming());
}

HbaseApiOperation x
2021-07-27 19:14:24,197 INFO [org.apache.zookeeper.ZooKeeper] - Initiating client connection, connectString=192.168.2.102:2181
2021-07-27 19:14:25,146 INFO [org.apache.zookeeper.ClientCnxn] - Opening socket connection to server 192.168.2.102:2181
2021-07-27 19:14:25,147 INFO [org.apache.zookeeper.ClientCnxn] - Socket connection established to 192.168.2.102/192.168.2.102:2181
2021-07-27 19:14:25,153 INFO [org.apache.zookeeper.ClientCnxn] - Session establishment complete on server 192.168.2.102:2181,
Tom 20210000000001 1 75 75
Jerry 20210000000002 1 85 85
Jack 20210000000003 2 80 80
Rose 20210000000004 2 60 60
wanghuan G20210579030073 1 90 90
2021-07-27 19:14:26,219 INFO [org.apache.hadoop.hbase.zookeeper.ReadOnlyZKClient] - Close zookeeper connection 0x5
```

更新数据

根据RowKey update 某一列的值

删除条件:

```
String rowKey = "G20210579030073" ;
String coloumnFamily = "info" ;
hbaseApiOperation.updateCellDataByRowKey(HbaseApiOperation.tableName,rowKey,coloumnFamily,"understanding",String.valueOf(100)) ;
```

```
hbase(main):011:0> scan 'wanghuan:student'
ROW COLUMN+CELL
202100000000001 column=info:class, timestamp=1627383645163, value=1
202100000000001 column=info:name, timestamp=1627383645163, value=Tom
202100000000001 column=info:student_id, timestamp=1627383645163, value=202100000000001
202100000000001 column=score:programming, timestamp=1627383645163, value=75
202100000000001 column=score:understanding, timestamp=1627383645163, value=75
202100000000002 column=info:class, timestamp=1627383645163, value=1
202100000000002 column=info:name, timestamp=1627383645163, value=Jerry
202100000000002 column=info:student_id, timestamp=1627383645163, value=202100000000002
202100000000002 column=score:programming, timestamp=1627383645163, value=85
202100000000002 column=score:understanding, timestamp=1627383645163, value=85
202100000000003 column=info:class, timestamp=1627383645163, value=2
202100000000003 column=info:name, timestamp=1627383645163, value=Jack
202100000000003 column=info:student_id, timestamp=1627383645163, value=202100000000003
202100000000003 column=score:programming, timestamp=1627383645163, value=80
202100000000003 column=score:understanding, timestamp=1627383645163, value=80
202100000000004 column=info:class, timestamp=1627383645163, value=2
202100000000004 column=info:name, timestamp=1627383645163, value=Rose
202100000000004 column=info:student_id, timestamp=1627383645163, value=202100000000004
202100000000004 column=score:programming, timestamp=1627383645163, value=60
202100000000004 column=score:understanding, timestamp=1627383645163, value=60
G20210579030073 column=info:class, timestamp=1627383645163, value=1
G20210579030073 column=info:name, timestamp=1627383645163, value=wanghuan
G20210579030073 column=info:student_id, timestamp=1627383645163, value=G20210579030073
G20210579030073 column=info:understanding, timestamp=1627384752391, value=100
G20210579030073 column=score:programming, timestamp=1627383645163, value=90
G20210579030073 column=score:understanding, timestamp=1627383645163, value=90
5 row(s)
Took 0.0157 seconds
```

删除数据

根据rowkey删除一行数据

删除条件: String rowKey = "202100000000004" ;

```
hbase(main):012:0> scan 'wanghuan:student'
ROW COLUMN+CELL
202100000000001 column=info:class, timestamp=1627383645163, value=1
202100000000001 column=info:name, timestamp=1627383645163, value=Tom
202100000000001 column=info:student_id, timestamp=1627383645163, value=202100000000001
202100000000001 column=score:programming, timestamp=1627383645163, value=75
202100000000001 column=score:understanding, timestamp=1627383645163, value=75
202100000000002 column=info:class, timestamp=1627383645163, value=1
202100000000002 column=info:name, timestamp=1627383645163, value=Jerry
202100000000002 column=info:student_id, timestamp=1627383645163, value=202100000000002
202100000000002 column=score:programming, timestamp=1627383645163, value=85
202100000000002 column=score:understanding, timestamp=1627383645163, value=85
202100000000003 column=info:class, timestamp=1627383645163, value=2
202100000000003 column=info:name, timestamp=1627383645163, value=Jack
202100000000003 column=info:student_id, timestamp=1627383645163, value=202100000000003
202100000000003 column=score:programming, timestamp=1627383645163, value=80
202100000000003 column=score:understanding, timestamp=1627383645163, value=80
G20210579030073 column=info:class, timestamp=1627383645163, value=1
G20210579030073 column=info:name, timestamp=1627383645163, value=wanghuan
G20210579030073 column=info:student_id, timestamp=1627383645163, value=G20210579030073
G20210579030073 column=info:understanding, timestamp=1627384752391, value=100
G20210579030073 column=score:programming, timestamp=1627383645163, value=90
G20210579030073 column=score:understanding, timestamp=1627383645163, value=90
4 row(s)
Took 0.0245 seconds
```

删除某一行 某一系列的数据

删除条件:

String rowKey = "202100000000003" ;

String coloumnFamily = "score" ;


```
hbase(main):013:0> scan 'wanghuan:student'
ROW                                COLUMN+CELL
202100000000001                  column=info:class, timestamp=1627383645163, value=1
202100000000001                  column=info:name, timestamp=1627383645163, value=Tom
202100000000001                  column=info:student_id, timestamp=1627383645163, value=202100000000001
202100000000001                  column=score:programming, timestamp=1627383645163, value=75
202100000000001                  column=score:understanding, timestamp=1627383645163, value=75
202100000000002                  column=info:student_id, timestamp=1627383645163, value=1
202100000000002                  column=info:name, timestamp=1627383645163, value=Jerry
202100000000002                  column=info:student_id, timestamp=1627383645163, value=202100000000002
202100000000002                  column=score:programming, timestamp=1627383645163, value=85
202100000000002                  column=score:understanding, timestamp=1627383645163, value=85
202100000000003                  column=info:class, timestamp=1627383645163, value=2
202100000000003                  column=info:name, timestamp=1627383645163, value=Jack
202100000000003                  column=info:student_id, timestamp=1627383645163, value=202100000000003
G20210579030073                  column=info:class, timestamp=1627383645163, value=1
G20210579030073                  column=info:name, timestamp=1627383645163, value=wanghuan
G20210579030073                  column=info:student_id, timestamp=1627383645163, value=G20210579030073
G20210579030073                  column=info:understanding, timestamp=1627384752391, value=100
G20210579030073                  column=score:programming, timestamp=1627383645163, value=90
G20210579030073                  column=score:understanding, timestamp=1627383645163, value=90
4 row(s)
Took 0.0193 seconds
```

删除某一行某个列簇某几列的值

删除条件:

```
String rowKey = "202100000000002" ;
String coloumnFamily = "info" ;
"name", "class" 两个列族
```

```
hbase(main):014:0> scan 'wanghuan:student'
ROW                                COLUMN+CELL
202100000000001                  column=info:class, timestamp=1627383645163, value=1
202100000000001                  column=info:name, timestamp=1627383645163, value=Tom
202100000000001                  column=info:student_id, timestamp=1627383645163, value=202100000000001
202100000000001                  column=score:programming, timestamp=1627383645163, value=75
202100000000001                  column=score:understanding, timestamp=1627383645163, value=75
202100000000002                  column=info:student_id, timestamp=1627383645163, value=202100000000002
202100000000002                  column=score:programming, timestamp=1627383645163, value=85
202100000000002                  column=score:understanding, timestamp=1627383645163, value=85
202100000000003                  column=info:class, timestamp=1627383645163, value=2
202100000000003                  column=info:name, timestamp=1627383645163, value=Jack
202100000000003                  column=info:student_id, timestamp=1627383645163, value=202100000000003
G20210579030073                  column=info:class, timestamp=1627383645163, value=1
G20210579030073                  column=info:name, timestamp=1627383645163, value=wanghuan
G20210579030073                  column=info:student_id, timestamp=1627383645163, value=G20210579030073
G20210579030073                  column=info:understanding, timestamp=1627384752391, value=100
G20210579030073                  column=score:programming, timestamp=1627383645163, value=90
G20210579030073                  column=score:understanding, timestamp=1627383645163, value=90
4 row(s)
Took 0.0145 seconds
```

删除表

```
hbase(main):015:0> scan 'wanghuan:student'
ROW                                COLUMN+CELL
org.apache.hadoop.hbase.TableNotFoundException: wanghuan:student
    at org.apache.hadoop.hbase.client.ConnectionImplementation.getTableState(ConnectionImplementation.java:1954)
    at org.apache.hadoop.hbase.client.ConnectionImplementation.isTableDisabled(ConnectionImplementation.java:583)
    at org.apache.hadoop.hbase.client.ConnectionImplementation.relocateRegion(ConnectionImplementation.java:713)
    at org.apache.hadoop.hbase.client.RpcRetryingCallerWithReadReplicas.getRegionLocations(RpcRetryingCallerWithReadReplicas.java:328)
    at org.apache.hadoop.hbase.client.ScannerCallable.prepare(ScannerCallable.java:139)
    at org.apache.hadoop.hbase.client.ScannerCallableWithReplicas$RetryingRPC.prepare(ScannerCallableWithReplicas.java:399)
    at org.apache.hadoop.hbase.client.RpcRetryingCallerImpl.callWithRetries(RpcRetryingCallerImpl.java:105)
    at org.apache.hadoop.hbase.client.ResultBoundedCompletionService$QueueingFuture.run(ResultBoundedCompletionService.java:80)
    at java.util.concurrent.ThreadPoolExecutor.runWorker(ThreadPoolExecutor.java:1149)
    at java.util.concurrent.ThreadPoolExecutor$Worker.run(ThreadPoolExecutor.java:624)
    at java.lang.Thread.run(Thread.java:748)

ERROR: Unknown table wanghuan:student!

For usage try 'help "scan"'

Took 0.6403 seconds
hbase(main):016:0> list
TABLE
0 row(s)
Took 0.0184 seconds
=> []
```

APACHE HBASE	Home	Table Details	Procedures & Locks	Process Metrics	Local Logs	Log Level	Debug Dump	Metrics Dump	HBase Configuration
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Backup Masters		
ServerName	Port	Start Time
Total: 0		

Tables		
User Tables	System Tables	Snapshots

Peers									
Peer Id	Cluster Key	State	IsSerial	Bandwidth	ReplicateAll	Namespaces	Exclude Namespaces	Table Cfs	Exclude Table Cfs
Total: 0									

Hbase集群安装遇到问题

问题1 /opt/software/hadoop-3.1.3/libexec/hadoop-functions.sh:行2395: HADOOP_ORG.APACHE.HADOOP.HBASE.UTIL.GETJAVAPROPE RTY_USER:错误的替换

hbase-env.sh文件尾添加如下配置 ， 重启之后 jps可以查到Hmaster

参考文档: https://blog.csdn.net/weixin_45048331/article/details/109823555

```
export HBASE_DISABLE_HADOOP_CLASSPATH_LOOKUP=true
```

问题 2 Failed get of master address: java.io.IOException: Can't get master address from ZooKeeper; znode data == null

端口号填写错误， 配置成HDFS RPC端口号

```
<property>
  <name>hbase.rootdir</name>
  <value>hdfs://node1:8020/hbase</value>
</property>
```

问题 3 hbase shell命令使用正常， wei ui 无法打开60010页面

在hbase-site.xml中添加端口信息

```
<property>
  <name>hbase.master.info.port</name>
  <value>60010</value>
</property>
```


