实验四 Hbase, Hive 安装与使用

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1、在自己电脑正确安装和运行 HBase 和 Hive 下载安装包后,依照网上教程修改配置文件即可

```
at org.jruby.Ruby.runScript(Ruby.java:697)
at org.jruby.Ruby.runScript(Ruby.java:690)
at org.jruby.Ruby.runNormally(Ruby.java:597)
at org.jruby.Ruby.runNormally(Ruby.java:446)
at org.jruby.Main.doRunFromMain(Ruby.java:369)
at org.jruby.Main.internalRun(Main.java:369)
at org.jruby.Main.run(Main.java:228)
at org.jruby.Main.run(Main.java:228)
at org.jruby.Main.run(Main.java:288)

HBase Shell; enter 'help<RETURN>' for list of supported commands.
Type "exit<RETURN>" to leave the HBase Shell
Version 1.1.10, raf9719e45a1ee9f4509607aff7e554119d29e930, Tue Apr 18 20:57:55

hbase(main):001:0>

| Must be established by default if explicit option isn't set. For compliance with existing Archive Manager SSL the verifyServerCertificate property is set to 'false'. You need either licitly disable SSL by setting useSSL=false, or set useSSL=true and provide truststore for certificate verificate by default if explicit option isn't set. For compliance with existing tions not using SSL the verifyServerCertificate property is set to 'false'. You need either licitly disable SSL by setting useSSL=false, or set useSSL=true and provide truststore for certificate verification.
Frt May 12 07:46:00 PDT 2017 WARN: Establishing SSL connection without server's identity ve ion is not recommended. According to MySQL 5:5.45+, 5.6.26+ and 5:7.6+ requirements SSL con must be established by default if explicit option isn't set. For compliance with existing tions not using SSL the verifyServerCertificate property is set to 'false'. You need either licitly disable SSL by setting useSSL=false, or set useSSL=true and provide truststore for certificate verificate. You incommended. According to MySQL 5:5.45+, 5.6.26+ and 5:7.6+ requirements SSL con must be established by default if explicit option isn't set. For compliance with existing tions not using SSL the verifyServerCertificate property is set to 'false'. You need either licitly disable SSL by setting useSSL=false, or set useSSL=true and provide truststore for certificate projects.
```

2、在 Hbase 中创建表 Wuxia:

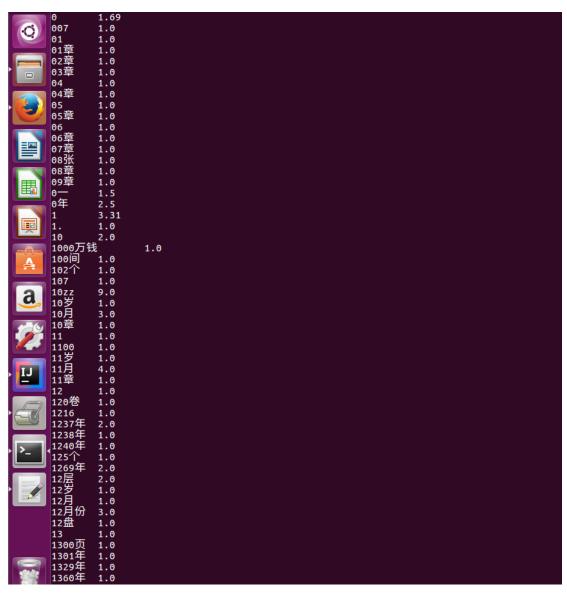
Create 'Wuxia','datas'

3、将 mapreduce 结果写入 Hbase 的表 Wuxia 中

if(!preword.equals(word) && !preword.equals(new Text(" "))){

4、遍历 Hbase 中的表

```
String tableName = "Wuxia";
    Configuration HBASE_CONFIG = HBaseConfiguration.create();
    Scan scan = new Scan();
    HTable table =new HTable(HBASE_CONFIG, tableName);
    ResultScanner resultScanner = table.getScanner(scan);
    for(Result r:resultScanner) {
         //由上知每行的行键就是单词
         String word = Bytes.toString(r.getRow());
         //获取出现频率
         byte[] valueBytes = r.getValue(Bytes.toBytes("datas"),
                  Bytes.toBytes("average"));
         String value = Bytes.toString(valueBytes);
         String fileName = "Wuxia.txt";
         FileWriter writer = new FileWriter(fileName, true);
         writer.write(word + "\t" + value+"\n");
         writer.close();
    }
}
```

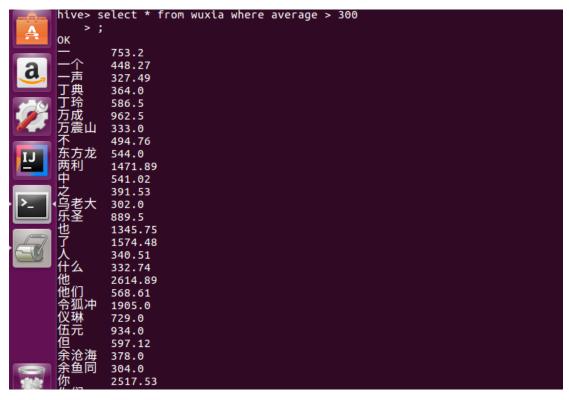


5、

(1) 创建表并导入数据:

(2) 查询出现次数大于 300 的词语:

Select * from Wuxia where average > 300



(3) 前 100 个出现次数最多的词:

Select * from Wuxia order by average desc limit 100