

HBase Example

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Compile your Java program

- `javac -classpath /opt/hadoop/hadoop-0.20.2-core.jar:/opt/hadoop/lib/hbase-0.20.4.jar [-d <your-class-put-here>] <your-java-program>`
- `javac -classpath /opt/hadoop/hadoop-0.20.2-core.jar:/opt/hadoop/lib/hbase-0.20.4.jar -d MyJava HBaseWordCount.java`
- [javac reference](#)

CreateHBaseTable

- 程式功能：在HBase新建一個table
- Path: /opt/hadoop/AOS_Example/createtable.jar
- Usage: /opt/hadoop/bin/hadoop jar
/opt/hadoop/AOS_Example/createtable.jar
CreateTable <Table-Name> <Family>

PutData

- 程式功能：放入data到一個現有的table
- Path: /opt/hadoop/AOS_Example/putdata.jar
- Usage: /opt/hadoop/bin/hadoop jar
/opt/hadoop/AOS_Example/putdata.jar PutData
<Table-Name> <Row> <Family> <Column> <Value>

GetColumn

- 程式功能：取得特定column的值
- Path: /opt/hadoop/AOS_Example/getcolumn.jar
- Usage: /opt/hadoop/bin/hadoop jar
/opt/hadoop/AOS_Example/getcolumn.jar GetColumn
<Table-Name> <Row> <Family> <Column>

LoadHBaseMapper

- 程式功能：將HBase的資料取出來，再將結果丟回hdfs
- Path: /opt/hadoop/AOS_Example/loadhbasemapper.jar
- Usage: /opt/hadoop/bin/hadoop jar
/opt/hadoop/AOS_Example/loadhbasemapper.jar
LoadHBaseMapper <Table-Name> <Family-name>
<Column> <Output-filename>

GetColumnBeta

- 程式功能：取得特定column以及特定timestamp的值
- Path: /opt/hadoop/AOS_Example/getcolumnbeta.jar
- Usage: /opt/hadoop/bin/hadoop jar
/opt/hadoop/AOS_Example/getcolumnbeta.jar
GetColumnBeta <Table-Name> <Row> <Family>
<Column> <Timestamp>

DropTable

- 程式功能：將HBase中的table刪除
- Path: /opt/hadoop/AOS_Example/droptable.jar
- Usage: /opt/hadoop/bin/hadoop jar
/opt/hadoop/AOS_Example/droptable.jar DropTable
<Table-Name>

HBaseWordCount

- 程式功能：利用HBase中已存的資料做為wordcount的資料
- Path: /opt/hadoop/AOS_Example/hbasewordcount.jar
- Usage: /opt/hadoop/bin/hadoop jar
/opt/hadoop/AOS_Example/hbasewordcount.jar
HBaseWordCount <Input-Table> <Output-Table>
<Family> <qualifier>

HBaseWordCount2

- 程式功能：利用HBase中已存的資料做為wordcount的資料(可做整個family)
- Path: /opt/hadoop/AOS_Example/hbasewordcount2.jar
- Usage: /opt/hadoop/bin/hadoop jar /opt/hadoop/AOS_Example/hbasewordcount2.jar HBaseWordCount2 <Input-Table> <Output-Table> <Family> <qualifier>
- 若要以整個family作為輸入資料，則qualifier處輸入：

HBaseWordCount3

- 程式功能：利用HBase中已存的資料做為wordcount的資料(可做兩個family)
- Path: /opt/hadoop/AOS_Example/hbasewordcount3.jar
- Usage: /opt/hadoop/bin/hadoop jar
/opt/hadoop/AOS_Example/hbasewordcount3.jar
HBaseWordCount3 <Input-Table> <Output-Table>
<Family> <Family2>