

Accumulo

Apache Accumulo is a computer software project that developed a sorted, distributed key/value store based on the [BigTable](#) technology from [Google](#). It is a system built on top of [Apache Hadoop](#), [Apache ZooKeeper](#), and [Apache Thrift](#). Written in [Java](#), Accumulo has cell-level [access labels](#) and [server-side programming](#) mechanisms. Accumulo is the 3rd most popular NoSQL Wide Column system according to DB-Engines ranking of Wide Column Stores.

Steps i followed:

Created table NBACount.

Got the twitter dump.

Uploaded the dump into the HDFS.

Ran the jar file for the map reduce program.

store the result into accumulo table.

store results with two user east, west for each east_conference and west_conference.

Script to the executed to work with the code.

```
hadoop fs -rmkdir /input/*
hadoop fs -mkdir /input
hadoop fs -copyFromLocal /home/guest/Desktop/data/*.csv /input
hadoop fs -ls /input
```

```
## Start accumulo shell
cd /home/guest/cdse/accumulo/accumulo-1.4.2/bin
accumulo shell -u root -p acc
```

```
## User auths
setauths -s east,west -u root
createuser east
setauths -s east -u east
createuser west
setauths -s west -u west
createtable NBACount
grant Table.READ -t NBACount -u east
grant Table.READ -t NBACount -u west
```

```
setiter -class  
org.apache.accumulo.core.iterators.user.SummingCombiner -p 10 -t  
NBACount -majc -minc -scan  
True  
<enter>  
<enter>  
STRING
```

```
quit
```

```
bin/tool.sh ~/Desktop/mapreduce.jar WinnerLoser acc guestvb /input  
NBACount -u root -p acc
```

I get the following results for the
twitter dump i had.

```
Atlanta Hawks #Hawks:lose [east]    0  
Atlanta Hawks #Hawks:win [east]     2  
Boston Celtics #Celtics:lose [east]  0  
Boston Celtics #Celtics:win [east]   1  
Cavs #Cavs:lose [east]               0  
Cavs #Cavs:win [east]                6  
Charlotte Bobcats #Bobcats:lose [east]  0  
Charlotte Bobcats #Bobcats:win [east]   1  
Chicago Bulls #Bulls:lose [east]      1  
Chicago Bulls #Bulls:win [east]       1  
Detroit Pistons #Pistons:lose [east]   0  
Detroit Pistons #Pistons:win [east]    0  
Indiana Pacers #Pacers:lose [east]     1  
Indiana Pacers #Pacers:win [east]      0  
Miami Heat #MiamiHeat:lose [east]     0  
Miami Heat #MiamiHeat:win [east]      0  
Milwaukee Bucks #Bucks:lose [east]    0  
Milwaukee Bucks #Bucks:win [east]     0  
New Jersey Nets #Nets:lose [east]     0  
New Jersey Nets #Nets:win [east]      1  
New York Knicks #Knicks:lose [east]    2  
New York Knicks #Knicks:win [east]     0  
Orlando Magic #OrlandoMagic:lose [east]  0  
Orlando Magic #OrlandoMagic:win [east]  0  
Philadelphia 76ers #76ers:lose [east]  0  
Philadelphia 76ers #76ers:win [east]   0  
Toronto Raptors #Raptors:lose [east]   0  
Toronto Raptors #Raptors:win [east]    0  
Washington Wizards #Wizards:lose [east] 0
```

Washington Wizards #Wizards:win [east] 0
 Dallas Mavericks #Mavs:lose [west] 0
 Dallas Mavericks #Mavs:win [west] 6
 Denver Nuggets #Nuggets:lose [west] 6
 Denver Nuggets #Nuggets:win [west] 0
 Golden State Warriors #GSWarriors:lose [west] 0
 Golden State Warriors #GSWarriors:win [west] 0
 Houston Rockets #Rockets:lose [west] 0
 Houston Rockets #Rockets:win [west] 0
 L A Lakers #Lakers:lose [west] 2
 L A Lakers #Lakers:win [west] 0
 L.A Clippers #Clippers:lose [west] 0
 L.A Clippers #Clippers:win [west] 0
 Memphis Grizzlies #Grizzlies:lose [west] 0
 Memphis Grizzlies #Grizzlies:win [west] 1
 Minnesota Timberwolve #TWolves:lose [west] 0
 Minnesota Timberwolve #TWolves:win [west] 1
 New Orleans Hornets #Hornets:lose [west] 0
 New Orleans Hornets #Hornets:win [west] 13
 Oklahoma City #okcthunder:lose [west] 0
 Oklahoma City #okcthunder:win [west] 0
 Phoenix Suns #Suns:lose [west] 0
 Phoenix Suns #Suns:win [west] 0
 Sacramento Kings #NBAKings:lose [west] 0
 Sacramento Kings #NBAKings:win [west] 0
 San Antonio Spurs #GoSpursGo:lose [west] 0
 San Antonio Spurs #GoSpursGo:win [west] 1
 TrailBlazers #TrailBlazers:lose [west] 0
 TrailBlazers #TrailBlazers:win [west] 0
 UtahJazz #UtahJazz:lose [west] 0
 UtahJazz #UtahJazz:win [west] 1