## Week 4

## Step 1

```
Usuarantipleasechangeme:/vagrant_datas hadoop jar wc.jar WordCount /user/SUSER/sampletext /user/SUSER/output-wc
17/02/15 14:11:14:2 INFO client.RMProxy: Connecting to ResourceManager at localhos/12/10.80.118032
17/02/15 14:11:14:2 INFO client.RMProxy: Connecting to ResourceManager at localhos/12/10.80.118032
17/02/15 14:11:14:3 INFO appreduce_JobSubmitter: Hadoop command-line option parsing not performed. Implement the Tool interface and execute your application with ToolRulner to remedy this.
17/02/15 14:11:43 INFO appreduce_JobSubmitter: number of splits;7
17/02/15 14:11:43 INFO appreduce_JobSubmitter: number of splits;7
17/02/15 14:11:44 INFO line Interface and execute your application [407:188071701_0001]
17/02/15 14:11:44 INFO mapreduce_JobSubmitter: Submitting tokens for job: job_1487188071701_0001
17/02/15 14:11:45 INFO appreduce_JobSubmitter: Submitting tokens for job: job_1487188071701_0001
17/02/15 14:11:52 INFO appreduce_Job: Running job: job_1487188071701_0001
17/02/15 14:11:52 INFO appreduce_Job: pob_1487188071701_0001
17/02/15 14:11:52 INFO appreduce_Job: map 86 reduce 86
17/02/15 14:11:52 INFO appreduce_Job: map 86 reduce 86
17/02/15 14:12:25 INFO appreduce_Job: map 1006 reduce 86
17/02/15 14:12:25 INFO appreduce_Job: imap 1006 reduce 1006
1
```

```
. . .
                                              ubuntu-xenial-large-521 — vagrant@pleasechangeme: /vagrant_data — ssh + vagrant ssh — 153×41
            Virtual memory (bytes) snapshot=15033733120
Total committed heap usage (bytes)=1179123712
Shuffle Errors
                                                                                                                                                                                                                                              B
                                                                                                                                                                                                                                              0
                         BAD ID=0
                         CONNECTION=0
IO_ERROR=0
WRONG_LENGTH=0
                         WRONG MAP=0
            WRONG_REDUCE=0
File Input Format Counters
Bytes Read=226475
Bytes Read=226475
File Output Format Counters
Bytes Written=71011
vagrant@pleasechangeme:/vagrant_data$ hadoop fs -cat /user/$USER/output-wc/part-r-00000
"Each 1
"First 1
"Hearing
"If 1
"Ordinary
                        1
"Tell
"This
"Two
"We
"Well,
"When
 "evil
"the
$1
$1,000
$1,500
$1,600
$1.5
$10
 $10,000
$14
$14,500 1
$140
$17
```

```
. . .
                                                                                                                                                                                                                                     ubuntu-xenial-large-521 — vagrant@pleasechangeme: /vagrant_data — ssh ◆ vagrant ssh — 153×41
| First 1 | System | Format Counters | System | First | System | System | First | System | First | System | S
   "Hearing
"If 1
"Ordinary
                                                                                                                  1
   "Tell
   "This
"Thou
"Two
   "We
"Well,
"When
   "evil
"the
"what
   $1
   $1,000
   $1,500
$1,600
   $1.5
   $10
     $10,000
   $14
   $14,500
   $140
     $15
   $17
   $180,000
                                                                                                                  1
   $2
$2,000
   $2,000.
 $2,500
$2,500
$2.5
$2.6
   $20
   $200
   $246
```

## Step 3

```
CPU time spent (ss)=3878
Physical memory (bytes) snapshot=1635666528
Virtual memory (bytes) snapshot=1633666528
Virtual memory (bytes) snapshot=1633733128
Total committed heap usage (bytes)=1179123712
Shuffle Errors
COMMECTION=0
10_ERROR=0
WRONG_LENGTH=0
WRONG_ERROR=0
WRONG_ERROR=0
WRONG_ERROR=0
WRONG_ERROR=0
Bytes Read=26475
File Output Format Counters
Bytes Read=26475
File Output Format Counters
Bytes Written=4194
Vagrantspleasechangeme:/vagrant_datas hadoop fs -cat /user/sUSER/output-w3/part-r-80000

10_ERROR=0
10_ERROR
```

## Step 4

```
ubuntu-xenial-large-521 — vagrant@pleasechangeme: /vagrant_data — -bash —...
                                                                                     File Output Format Counters
                 Bytes Written=43517
[vagrant@pleasechangeme:/vagrant_data$ hadoop fs -cat /user/$USER/output9/part-r-]
00000
$1
        2
        3
$10
$1000
        1
$10000
        1
$14
        1
        2
$140
        1
$14500
$15
        2
$1500
        1
$1600
        3
$17
        1
$180000 1
$2
        2
$20
        1
$200
        1
$2000
        2
$238
        1
$246
        1
        1
$25
$2500
        1
```

```
ubuntu-xenial-large-521 — vagrant@pleasechangeme: /vagrant_data — -bash —...
        777
                                                                                  a
aband
        2
abb
        1
abess
        1
abidg 2
ability 11
able
        27
ablebodied
                1
ablest 1
aboliti 1
abraham 1
abroad 6
absence 1
absolutely
                4
abuse
abuses 1
academy 3
accelere
                2
accelerg
                2
accept 5
acceptance
                1
accepted
                2
access 12
accompanied
                1
```