

Hue - File Browser - Mozilla Firefox

Hue - File Browser

quickstart.cloudera:8888/hue/filebrowser/view=/user/cloudera/OPofEven/part-r-00000

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Cloudera Hue Hadoop HBase Impala Spark Solr Oozie Cloudera Manager Getting Started

HUE

Query

Search data and saved documents...

Jobs cloudera

File Browser

cloudera

Even.txt EvenOdd.txt OPEven OPEvenOP OPword evenodd.txt poem.txt

View as binary

Edit file

Download

View file location

Refresh

Last modified 06/19/2021 4:06 AM

User cloudera

Group cloudera

Size 12 B

Mode 100644

Home / user / cloudera / OPofEven / part-r-00000

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EVEN 559536

Java - SumEven/src/E... cloudera@quickstart:... Hue - File Browser - M...

the mouse pointer inside or press Ctrl+G.

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```

import java.io.IOException;
import org.apache.hadoop.conf.Configuration;
import org.apache.hadoop.fs.Path;
import org.apache.hadoop.io.IntWritable;
import org.apache.hadoop.io.Text;
import org.apache.hadoop.mapreduce.Job;
import org.apache.hadoop.mapreduce.lib.input.FileInputFormat;
import org.apache.hadoop.mapreduce.lib.output.FileOutputFormat;

public class EvenDriver
{
    public static void main(String[] args) throws
IOException, ClassNotFoundException, InterruptedException
    {

        Configuration conf = new Configuration();
        Job job = new Job(conf, "Even");

        ////name of Driver class
        job.setJarByClass(EvenDriver.class);
        //name of mapper class
        job.setMapperClass(EvenMapper.class);
        // name of reducer class
        job.setReducerClass(EvenReducer.class);
        job.setMapOutputKeyClass(Text.class);
        job.setMapOutputValueClass(IntWritable.class);

        //FileInputFormat.addInputPath(job, input_file_loc);
        //FileOutputFormat.setOutputPath(job, output_dir_loc);

        //output_dir_loc.getFileSystem(job.getConfiguration()).delete(outpu
t_dir_loc,true);
        FileInputFormat.addInputPath(job, new Path(args[0]));
        FileOutputFormat.setOutputPath(job, new Path(args[1]));

        System.exit(job.waitForCompletion(true) ? 0 : 1);
    }
}

```

```

import org.apache.hadoop.io.IntWritable;
import org.apache.hadoop.io.LongWritable;
import org.apache.hadoop.io.Text;
import org.apache.hadoop.mapreduce.Mapper;

public class EvenMapper extends Mapper<LongWritable, Text, Text,
IntWritable>
{

    public void map(LongWritable key, Text value, Context
context)throws java.io.IOException, InterruptedException
    {
        String data[]=value.toString().split(",");    //data = [85
131 993 392 689....]

        for(String num:data)
        {
            int number=Integer.parseInt(num);
            if((number%2)==0)
            {
                context.write(new Text("EVEN"), new
IntWritable(number));    // EVEN 392
            }

        }

    }
}

```

cloudera-quickstart-vm-5.13.0-0-vmware - VMware Workstation

File Edit View VM Tabs Help

Library

Type here to search

My Computer

cloudera-quickstart-vm-5.13.0-0-vmware

Shared VMs (Deprecated)

Applications Places System

Java - SumEven/src/EvenReducer.java - Eclipse

File Edit Source Refactor Navigate Search Project Run Window Help

Package Explorer

- OddEven
- SumEven
 - src
 - (default package)
 - EvenDriver.java
 - EvenMapper.java
 - EvenReducer.java
 - JRE System Library [JavaSE-1.7]
 - Referenced Libraries
 - training
 - word
 - WordCount

```
1
2 import java.io.IOException;
3 import org.apache.hadoop.io.IntWritable;
4 import org.apache.hadoop.io.Text;
5 import org.apache.hadoop.mapreduce.Reducer;
6
7 public class EvenReducer extends Reducer<Text, IntWritable, Text, IntWritable>
8 {
9
10 // reducer will receive key value pair EVEN [ 392 870 240 888 184 494 704 996 408....
11
12 public void reduce(Text key, Iterable<IntWritable> values, Context context) throws IOException, InterruptedException
13 {
14     int sum = 0;
15     if(key.equals("EVEN"))
16     {
17         for (IntWritable value : values)
18         {
19             sum += value.get();
20         }
21     }
22     context.write(key, new IntWritable(sum));
23 }
24 }
25 }
26
```

Problems Javadoc Declaration Console

No consoles to display at this time.

Writable Smart Insert 10 : 35

java - SumEven/src/Even... cloudera@quickstart:~\$ [Hue - File Browser - M...

To direct input to this VM, move the mouse pointer inside or press Ctrl+G.

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ApplicationsPlacesSystem

Fri Jun 18, 9:03 PMcloudera

cloudera@quickstart:~/workspace

File Edit View Search Terminal Help

[cloudera@quickstart workspace]\$ cd

[cloudera@quickstart ~]\$ ls

cloudera-manager cm_api.py Desktop Documents Downloads eclipse enterprise-deployment.json express-deployment.json kerberos lib Music parcels Pictures Public Templates Videos workspace

[cloudera@quickstart ~]\$ cd workspace

[cloudera@quickstart workspace]\$ ls

EvenOdd evenodd.txt OddEven OddEven.jar SumEven SumEven.jar SumOfEven Sumprime.jar training word WordCount WordCount.jar word.jar

[cloudera@quickstart workspace]\$ hadoop jar SumEven.jar EvenDriver Even.txt o0PEven

21/06/18 21:02:16 INFO client.RMPProxy: Connecting to ResourceManager at /0.0.0.0:8032

21/06/18 21:02:16 WARN mapreduce.JobResourceUploader: Hadoop command-line option parsing not performed. Implement the Tool interface and execute your application with ToolRunner to remedy this.

21/06/18 21:02:16 INFO input.FileInputFormat: Total input paths to process : 1

21/06/18 21:02:16 INFO mapreduce.JobSubmitter: number of splits:1

21/06/18 21:02:17 INFO mapreduce.JobSubmitter: Submitting tokens for job: job_1624071776421_0004

21/06/18 21:02:17 INFO impl.YarnClientImpl: Submitted application application_1624071776421_0004

21/06/18 21:02:17 INFO mapreduce.Job: The url to track the job: http://quickstart.cloudera:8088/proxy/application_1624071776421_0004/

21/06/18 21:02:17 INFO mapreduce.Job: Running job: job_1624071776421_0004

21/06/18 21:02:25 INFO mapreduce.Job: Job job_1624071776421_0004 running in uber mode : false

21/06/18 21:02:25 INFO mapreduce.Job: map 0% reduce 0%

21/06/18 21:02:36 INFO mapreduce.Job: map 100% reduce 0%

21/06/18 21:02:43 INFO mapreduce.Job: map 100% reduce 100%

21/06/18 21:02:43 INFO mapreduce.Job: Job job_1624071776421_0004 completed successfully

21/06/18 21:02:43 INFO mapreduce.Job: Counters: 49

File System Counters

FILE: Number of bytes read=12040

FILE: Number of bytes written=310385

FILE: Number of read operations=0

FILE: Number of large read operations=0

FILE: Number of write operations=0

HDFS: Number of bytes read=8848

HDFS: Number of bytes written=7

HDFS: Number of read operations=6

HDFS: Number of large read operations=0

HDFS: Number of write operations=2

Job Counters

Launched map tasks=1

Launched reduce tasks=1

Data-local map tasks=1

Total time spent by all maps in occupied slots (ms)=8140

Total time spent by all reduces in occupied slots (ms)=4780

Total time spent by all map tasks (ms)=8140

Total time spent by all reduce tasks (ms)=4780

Total vcore-milliseconds taken by all map tasks=8140

Total vcore-milliseconds taken by all reduce tasks=4780

Total megabyte-milliseconds taken by all map tasks=8335360

Total megabyte-milliseconds taken by all reduce tasks=4894720

Map-Reduce Framework

Map input records=101

Java - SumEven/src/Ev...cloudera@quickstart:...[Hue - File Browser - M...

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