

No of files:318 ,No of blocks:1(blocksize:128MB), Hadoop is running on 32 bit system

<https://stackoverflow.com/questions/30295606/java-heap-space-out-of-memory-error-while-running-a-mapreduce-program> 1/2

```
Map output materialized bytes=0
Input split bytes=38078
Combine input records=0
Spilled Records=0
Failed Shuffles=0
Merged Map outputs=0
GC time elapsed (ms)=593
CPU time spent (ms)=0
Physical memory (bytes) snapshot=0
Virtual memory (bytes) snapshot=0
Total committed heap usage (bytes)=1745092608
File Input Format Counters
Bytes Read=0
```

java hadoop mapreduce

can you share stack trace? – Abhishek May 18 '15 at 6:06

Which version/distribution are you using? – James Anderson May 18 '15 at 6:08

I'm using hadoop 2.4.1 – Divya Gangigunta May 18 '15 at 6:12

please suggest me on this issue ... – Divya Gangigunta May 18 '15 at 8:10

1 Answer

STEP 1:

Add this line in `.bashrc` file found in your hadoop home directory:

```
export JVM_ARGS="-Xms1024m -Xmx1024m"
```

This changes the java heap memory to 1024. Default is 128. If you were running a terminal hadoop job, then do this as hadoop user:

```
source ~/.bashrc
```

If you still get the error, try step 2.

STEP 2:

Add this line in `hadoop-env.sh` file:

```
export HADOOP_CLIENT_OPTS="-Xmx1024m $HADOOP_CLIENT_OPTS"
```

If still there is no luck, try step 3.

STEP 3:

Add this property in `mapred-site.xml` file:

```
<property>
  <name>mapred.child.java.opts</name>
  <value>-Xmx1024m</value>
</property>
```

All these steps increases the default java heap memory.

answered May 18 '15 at 9:25



Rajesh N

1,946 ● 1 ● 6 ● 14

Thanks for ur reply.I had tried the above mentioned steps.Actually,I have two folders in hdfs.one is upload(98MB) and other is download(48MB).I had given upload folder as input to mapreduce program.It's running fine.I had tried giving the download folder as input to the mapreduce program,naw I'm facing Java Heap Space Out Of Memory error.I'm not getting why it is happening like this.please help me out. – Divya Gangigunta May 18 '15 at 9:45

What does the `download` folder contain? – Rajesh N May 18 '15 at 11:14

Both upload and download folders contain mlab .c2s and .s2c trace files respectively – Divya Gangigunta May 18 '15 at 11:35

Thanks for ur help.I had resolved my issue. – Divya Gangigunta May 20 '15 at 10:38