

测试集群IO。

100个128MB文件，共计10G多。

一、测试写性能

```
hadoop jar $HADOOP_HOME/share/hadoop/mapreduce/hadoop-mapreduce-  
client-jobclient-2.6.0-tests.jar \  
TestDFSIO -write -nrFiles 100 -size 128MB
```

二、测试读性能

```
hadoop jar $HADOOP_HOME/share/hadoop/mapreduce/hadoop-mapreduce-  
client-jobclient-2.6.0-tests.jar \  
TestDFSIO -read -nrFiles 100 -size 128MB
```

三、删除测试生成的数据

```
hadoop jar $HADOOP_HOME/share/hadoop/mapreduce/hadoop-mapreduce-  
client-jobclient-2.6.0-tests.jar \  
TestDFSIO -clean
```

四、使用sort程序评测MapReduce

1、使用RandomWriter来产生随机数，每个节点运行10个map任务，每个map产生大约1G大小的二进制随机数

```
hadoop jar $HADOOP_HOME/share/hadoop/mapreduce/hadoop-mapreduce-  
examples-2.6.0.jar randomwriter random-data
```

2、执行sort程序

```
hadoop jar $HADOOP_HOME/share/hadoop/mapreduce/hadoop-mapreduce-  
examples-2.6.0.jar sort random-data sorted-data
```

3、验证数据是否真正排好序了

```
hadoop jar $HADOOP_HOME/share/hadoop/mapreduce/hadoop-mapreduce-  
examples-2.6.0.jar testmapredsort -sortInput random-data -sortOutput sorted-data
```

