**MULTIPLE FILES: REGION 3 DIGIT SELECTION:**

**OUTPUT FOR BLOCK SIZE:**

Status: HEALTHY

Total size: 2183910056 B

Total dirs: 1

Total files: 1341

Total blocks (validated): 1341 (avg. block size 1628568 B)

Minimally replicated blocks: 1341 (100.0 %)

Over-replicated blocks: 0 (0.0 %)

Under-replicated blocks: 0 (0.0 %)

Mis-replicated blocks: 0 (0.0 %)

Default replication factor: 1

Average block replication: 1.0

Corrupt blocks: 0

Missing replicas: 0 (0.0 %)

Number of data-nodes: 3

Number of racks: 1

**NUMBER OF BLOCKS ON DATANODE1 DATNODE2 AND DATANODE 3 RESP:**

]$ hadoop fsck /user/nxh130330/input\_files4 -files -location -blocks -racks | grep /default-rack/10.176.92.131 | wc -l

492

[hadoop fsck /user/nxh130330/input\_files4 -files -location -blocks -racks | grep /default-rack/10.176.92.132 | wc -l

390

hadoop fsck /user/nxh130330/input\_files4 -files -location -blocks -racks | grep /default-rack/10.176.92.133 | wc -l

459

**Job Completion Summary:**

Job number: job\_201411071216\_0036

14/11/07 14:41:41 INFO mapred.JobClient: Counters: 31

14/11/07 14:41:41 INFO mapred.JobClient: Job Counters

14/11/07 14:41:41 INFO mapred.JobClient: Launched reduce tasks=1

14/11/07 14:41:41 INFO mapred.JobClient: SLOTS\_MILLIS\_MAPS=40034740

14/11/07 14:41:41 INFO mapred.JobClient: Total time spent by all reduces waiting after reserving slots (ms)=0

14/11/07 14:41:41 INFO mapred.JobClient: Total time spent by all maps waiting after reserving slots (ms)=0

14/11/07 14:41:41 INFO mapred.JobClient: Rack-local map tasks=84

14/11/07 14:41:41 INFO mapred.JobClient: Launched map tasks=1352

14/11/07 14:41:41 INFO mapred.JobClient: Data-local map tasks=1268

14/11/07 14:41:41 INFO mapred.JobClient: SLOTS\_MILLIS\_REDUCES=400707

14/11/07 14:41:41 INFO mapred.JobClient: File Input Format Counters

14/11/07 14:41:41 INFO mapred.JobClient: Bytes Read=2183910056

14/11/07 14:41:41 INFO mapred.JobClient: File Output Format Counters

14/11/07 14:41:41 INFO mapred.JobClient: Bytes Written=11580108

14/11/07 14:41:41 INFO mapred.JobClient: FileSystemCounters

14/11/07 14:41:41 INFO mapred.JobClient: FILE\_BYTES\_READ=25763228

14/11/07 14:41:41 INFO mapred.JobClient: HDFS\_BYTES\_READ=2184077576

14/11/07 14:41:41 INFO mapred.JobClient: FILE\_BYTES\_WRITTEN=202281200

14/11/07 14:41:41 INFO mapred.JobClient: HDFS\_BYTES\_WRITTEN=11580108

14/11/07 14:41:41 INFO mapred.JobClient: Map-Reduce Framework

14/11/07 14:41:41 INFO mapred.JobClient: Map output materialized bytes=99821218

14/11/07 14:41:41 INFO mapred.JobClient: Map input records=15669890

14/11/07 14:41:41 INFO mapred.JobClient: Reduce shuffle bytes=99821218

14/11/07 14:41:41 INFO mapred.JobClient: Spilled Records=4506815

14/11/07 14:41:41 INFO mapred.JobClient: Map output bytes=418563958

14/11/07 14:41:41 INFO mapred.JobClient: Total committed heap usage (bytes)=300948914176

14/11/07 14:41:41 INFO mapred.JobClient: CPU time spent (ms)=1933830

14/11/07 14:41:41 INFO mapred.JobClient: Map input bytes=2183910056

14/11/07 14:41:41 INFO mapred.JobClient: SPLIT\_RAW\_BYTES=167520

14/11/07 14:41:41 INFO mapred.JobClient: Combine input records=18553158

14/11/07 14:41:41 INFO mapred.JobClient: Reduce input records=921046

14/11/07 14:41:41 INFO mapred.JobClient: Reduce input groups=479684

14/11/07 14:41:41 INFO mapred.JobClient: Combine output records=4031235

14/11/07 14:41:41 INFO mapred.JobClient: Physical memory (bytes) snapshot=275685158912

14/11/07 14:41:41 INFO mapred.JobClient: Reduce output records=479684

14/11/07 14:41:41 INFO mapred.JobClient: Virtual memory (bytes) snapshot=1407359000576

14/11/07 14:41:41 INFO mapred.JobClient: Map output records=15442969

**JOBTRACKER SUMMARY:**

2014-11-07 14:34:18,047 INFO org.apache.hadoop.mapred.JobTracker: jobToken generated and stored with users keys in /home/hadoop/mapred/job\_201411071216\_0036/jobToken

2014-11-07 14:34:18,066 INFO org.apache.hadoop.mapred.JobInProgress: job\_201411071216\_0036: nMaps=1341 nReduces=1 max=-1

2014-11-07 14:34:18,066 INFO org.apache.hadoop.mapred.JobTracker: Job job\_201411071216\_0036 added successfully for user 'nxh130330' to queue 'default'

2014-11-07 14:34:18,066 INFO org.apache.hadoop.mapred.AuditLogger: USER=nxh130330 IP=10.176.92.129 OPERATION=SUBMIT\_JOB TARGET=job\_201411071216\_0036 RESULT=SUCCESS

2014-11-07 14:34:18,066 INFO org.apache.hadoop.mapred.JobTracker: Initializing job\_201411071216\_0036

2014-11-07 14:34:18,066 INFO org.apache.hadoop.mapred.JobInProgress: Initializing job\_201411071216\_0036

2014-11-07 14:34:18,121 INFO org.apache.hadoop.mapred.JobInProgress: Input size for job job\_201411071216\_0036 = 2183910056. Number of splits = 1341

2014-11-07 14:34:18,198 INFO org.apache.hadoop.mapred.JobInProgress: job\_201411071216\_0036 LOCALITY\_WAIT\_FACTOR=1.0

2014-11-07 14:34:18,199 INFO org.apache.hadoop.mapred.JobInProgress: Job job\_201411071216\_0036 initialized successfully with 1341 map tasks and 1 reduce tasks.

2014-11-07 14:41:41,506 INFO org.apache.hadoop.mapred.JobInProgress: Job job\_201411071216\_0036 has completed successfully.

2014-11-07 14:41:41,506 INFO org.apache.hadoop.mapred.JobInProgress$JobSummary: jobId=job\_201411071216\_0036,submitTime=1415392458047,launchTime=1415392458198,firstMapTaskLaunchTime=1415392459804,firstReduceTaskLaunchTime=1415392497937,firstJobSetupTaskLaunchTime=1415392458288,firstJobCleanupTaskLaunchTime=1415392899688,finishTime=1415392901506,numMaps=1341,numSlotsPerMap=1,numReduces=1,numSlotsPerReduce=1,user=nxh130330,queue=default,status=SUCCEEDED,mapSlotSeconds=40034,reduceSlotsSeconds=400,clusterMapCapacity=96,clusterReduceCapacity=96,jobName=RegionCrimeCount

2014-11-07 14:41:41,524 INFO org.apache.hadoop.mapred.JobHistory: Moving file:/home/hadoop/logs/history/job\_201411071216\_0036\_1415392458047\_nxh130330\_RegionCrimeCount to file:/home/hadoop/logs/history/done/version-1/cshdfs\_1415384193928\_/2014/11/07/000000

2014-11-07 14:41:41,548 INFO org.apache.hadoop.mapred.JobHistory: Moving file:/home/hadoop/logs/history/job\_201411071216\_0036\_conf.xml to file:/home/hadoop/logs/history/done/version-1/cshdfs\_1415384193928\_/2014/11/07/000000

**NAMENODE SUMMARY:**

2014-11-07 14:34:16,856 INFO org.apache.hadoop.hdfs.StateChange: BLOCK\* allocateBlock: /tmp/hadoop-hadoop/mapred/staging/nxh130330/.staging/job\_201411071216\_0036/job.jar. blk\_-7076742159350310353\_194480

2014-11-07 14:34:16,889 INFO org.apache.hadoop.hdfs.StateChange: Removing lease on /tmp/hadoop-hadoop/mapred/staging/nxh130330/.staging/job\_201411071216\_0036/job.jar from client DFSClient\_NONMAPREDUCE\_2047319043\_1

2014-11-07 14:34:16,889 INFO org.apache.hadoop.hdfs.StateChange: DIR\* completeFile: /tmp/hadoop-hadoop/mapred/staging/nxh130330/.staging/job\_201411071216\_0036/job.jar is closed by DFSClient\_NONMAPREDUCE\_2047319043\_1

2014-11-07 14:34:16,891 INFO org.apache.hadoop.hdfs.server.namenode.FSNamesystem: Increasing replication for /tmp/hadoop-hadoop/mapred/staging/nxh130330/.staging/job\_201411071216\_0036/job.jar. New replication is 10

2014-11-07 14:34:17,876 INFO org.apache.hadoop.hdfs.server.namenode.FSNamesystem: Increasing replication for /tmp/hadoop-hadoop/mapred/staging/nxh130330/.staging/job\_201411071216\_0036/job.split. New replication is 10

2014-11-07 14:34:17,901 INFO org.apache.hadoop.hdfs.StateChange: BLOCK\* allocateBlock: /tmp/hadoop-hadoop/mapred/staging/nxh130330/.staging/job\_201411071216\_0036/job.split. blk\_2168654649618640595\_194481

2014-11-07 14:34:17,934 INFO org.apache.hadoop.hdfs.StateChange: Removing lease on /tmp/hadoop-hadoop/mapred/staging/nxh130330/.staging/job\_201411071216\_0036/job.split from client DFSClient\_NONMAPREDUCE\_2047319043\_1

2014-11-07 14:34:17,934 INFO org.apache.hadoop.hdfs.StateChange: DIR\* completeFile: /tmp/hadoop-hadoop/mapred/staging/nxh130330/.staging/job\_201411071216\_0036/job.split is closed by DFSClient\_NONMAPREDUCE\_2047319043\_1

2014-11-07 14:34:17,956 INFO org.apache.hadoop.hdfs.StateChange: BLOCK\* allocateBlock: /tmp/hadoop-hadoop/mapred/staging/nxh130330/.staging/job\_201411071216\_0036/job.splitmetainfo. blk\_2305776326627659233\_194482

2014-11-07 14:34:17,960 INFO org.apache.hadoop.hdfs.StateChange: Removing lease on /tmp/hadoop-hadoop/mapred/staging/nxh130330/.staging/job\_201411071216\_0036/job.splitmetainfo from client DFSClient\_NONMAPREDUCE\_2047319043\_1

2014-11-07 14:34:17,960 INFO org.apache.hadoop.hdfs.StateChange: DIR\* completeFile: /tmp/hadoop-hadoop/mapred/staging/nxh130330/.staging/job\_201411071216\_0036/job.splitmetainfo is closed by DFSClient\_NONMAPREDUCE\_2047319043\_1

2014-11-07 14:34:18,019 INFO org.apache.hadoop.hdfs.StateChange: BLOCK\* allocateBlock: /tmp/hadoop-hadoop/mapred/staging/nxh130330/.staging/job\_201411071216\_0036/job.xml. blk\_1677741114742330716\_194483

2014-11-07 14:34:18,024 INFO org.apache.hadoop.hdfs.StateChange: Removing lease on /tmp/hadoop-hadoop/mapred/staging/nxh130330/.staging/job\_201411071216\_0036/job.xml from client DFSClient\_NONMAPREDUCE\_2047319043\_1

2014-11-07 14:34:18,024 INFO org.apache.hadoop.hdfs.StateChange: DIR\* completeFile: /tmp/hadoop-hadoop/mapred/staging/nxh130330/.staging/job\_201411071216\_0036/job.xml is closed by DFSClient\_NONMAPREDUCE\_2047319043\_1

2014-11-07 14:34:18,035 INFO org.apache.hadoop.hdfs.StateChange: BLOCK\* allocateBlock: /home/hadoop/mapred/job\_201411071216\_0036/job-info. blk\_-206640075728134583\_194484

2014-11-07 14:34:18,038 INFO org.apache.hadoop.hdfs.StateChange: Removing lease on /home/hadoop/mapred/job\_201411071216\_0036/job-info from client DFSClient\_NONMAPREDUCE\_-851221293\_1

2014-11-07 14:34:18,038 INFO org.apache.hadoop.hdfs.StateChange: DIR\* completeFile: /home/hadoop/mapred/job\_201411071216\_0036/job-info is closed by DFSClient\_NONMAPREDUCE\_-851221293\_1

2014-11-07 14:34:18,042 INFO org.apache.hadoop.hdfs.StateChange: BLOCK\* allocateBlock: /home/hadoop/mapred/job\_201411071216\_0036/jobToken. blk\_156971567684981612\_194485

2014-11-07 14:34:18,046 INFO org.apache.hadoop.hdfs.StateChange: Removing lease on /home/hadoop/mapred/job\_201411071216\_0036/jobToken from client DFSClient\_NONMAPREDUCE\_-851221293\_1

2014-11-07 14:34:18,046 INFO org.apache.hadoop.hdfs.StateChange: DIR\* completeFile: /home/hadoop/mapred/job\_201411071216\_0036/jobToken is closed by DFSClient\_NONMAPREDUCE\_-851221293\_1

2014-11-07 14:34:18,081 INFO org.apache.hadoop.hdfs.StateChange: BLOCK\* allocateBlock: /user/nxh130330/output\_files4/\_logs/history/job\_201411071216\_0036\_conf.xml. blk\_-7717583449058241722\_194487

2014-11-07 14:34:18,085 INFO org.apache.hadoop.hdfs.StateChange: Removing lease on /user/nxh130330/output\_files4/\_logs/history/job\_201411071216\_0036\_conf.xml from client DFSClient\_NONMAPREDUCE\_-1651088674\_27

2014-11-07 14:34:18,085 INFO org.apache.hadoop.hdfs.StateChange: DIR\* completeFile: /user/nxh130330/output\_files4/\_logs/history/job\_201411071216\_0036\_conf.xml is closed by DFSClient\_NONMAPREDUCE\_-1651088674\_27

2014-11-07 14:34:52,861 INFO org.apache.hadoop.hdfs.StateChange: BLOCK\* allocateBlock: /user/nxh130330/output\_files4/\_logs/history/job\_201411071216\_0036\_1415392458047\_nxh130330\_RegionCrimeCount. blk\_-420163040960994458\_194487

2014-11-07 14:41:41,520 INFO org.apache.hadoop.hdfs.StateChange: Removing lease on /user/nxh130330/output\_files4/\_logs/history/job\_201411071216\_0036\_1415392458047\_nxh130330\_RegionCrimeCount from client DFSClient\_NONMAPREDUCE\_-1651088674\_27

2014-11-07 14:41:41,520 INFO org.apache.hadoop.hdfs.StateChange: DIR\* completeFile: /user/nxh130330/output\_files4/\_logs/history/job\_201411071216\_0036\_1415392458047\_nxh130330\_RegionCrimeCount is closed by DFSClient\_NONMAPREDUCE\_-1651088674\_27