

```

Starting NodeManagers
khoshbin2@h-primary:~$ jps
1794 Jps
1686 ResourceManager
1422 SecondaryNameNode
1199 NameNode
khoshbin2@h-primary:~$ _

```

```

khoshbin2@h-secondary2:~$ jps
1105 DataNode
1398 Jps
1310 NodeManager

```

```

khoshbin2@h-secondary1:~$ jps
1348 NodeManager
1130 DataNode
1435 Jps

```

127.0.0.1:8088/cluster/nodes

thornesberg/volt-re... reactjs - Material UI... Reset Node.js Ser... Owczar/airframe-re... Internationalisation... How to properly int... React localization w... Add Multilanguage... Other bookmarks

hadoop

Nodes of the cluster

Logged in as: dr:who

Cluster

- About
- Nodes
- Node Labels
- Applications
- NEW
- NEW SAVING
- ACCEPTED
- RUNNING
- FINISHED
- FAILED
- KILLED
- Scheduler

Tools

Cluster Metrics

Apps Submitted	Apps Pending	Apps Running	Apps Completed	Containers Running	Used Resources	Total Resources	Reserved Resources	Physical Mem Used %	Physical VCoers Used %
0	0	0	0	0	<memory:0, vCores:0>	<memory:16384, vCores:16>	<memory:0, vCores:0>	48	12

Cluster Nodes Metrics

Active Nodes	Decommissioning Nodes	Decommissioned Nodes	Lost Nodes	Unhealthy Nodes	Rebooted Nodes	Shutdown Nodes
2	0	0	0	0	0	0

Scheduler Metrics

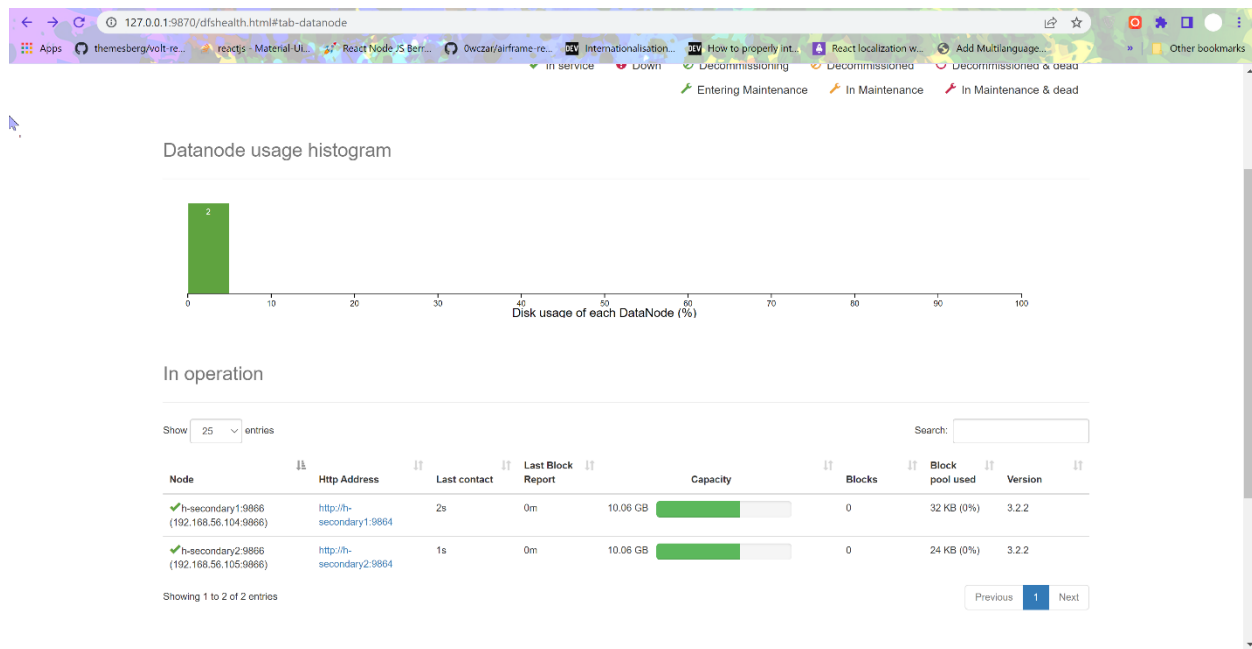
Scheduler Type	Scheduling Resource Type	Minimum Allocation	Maximum Allocation	Maximum Cluster Application Priority
Capacity Scheduler	[memory-mb (unit=Mi), vcores]	<memory:1024, vCores:1>	<memory:8192, vCores:4>	0

Show 20 entries

Node Labels	Rack	Node State	Node Address	Node HTTP Address	Last health-update	Health-report	Containers	Allocation Tags	Mem Used	Mem Avail	Phys Mem Used %	VCoers Used	VCoers Avail	Phys VCoers Used %	GPUs Used	GPUs Avail	Version
/default-rack		RUNNING	h-secondary2:44973	h-secondary2:8042	Fri May 13 15:54:35 +0000 2022		0		0 B	8 GB	49	0	8	24	0	0	3.2.2
/default-rack		RUNNING	h-secondary1:33215	h-secondary1:8042	Fri May 13 15:54:34 +0000 2022		0		0 B	8 GB	48	0	8	14	0	0	3.2.2

Showing 1 to 2 of 2 entries

First Previous 1 Next Last



GUI Hadoop تعداد دیتا نود های موجود میزان فضای موجود بر روی هر یک آدرس آبی و . . پورت سرویس دهی هر کدام میزان فضای کل کالستر فضای مصرف شده و باقیمانده نودهای زنده و مرده سایز بالک ها وضعیت سلامت دیتا نودها و... را نشان میدهد .

بخش دوم

سوال ٤:

```
khoshibin2@h-primary: ~/1
WRONG MAP=0
WRONG REDUCE=0
File Output Format Counters
  Bytes Written:138
2022-05-20 15:10:06,295 INFO mapred.LocalJobRunner: Finishing task: attempt local1700198719_0001_r_000000_0
2022-05-20 15:10:06,295 INFO mapred.LocalJobRunner: reduce task executor complete.
2022-05-20 15:10:06,402 INFO mapreduce.Job: map 100% reduce 100%
2022-05-20 15:10:06,403 INFO mapreduce.Job: Job job_local1700198719_0001 completed successfully
2022-05-20 15:10:06,456 INFO mapreduce.Job: Counter: 36
File System Counters
  FILE: Number of bytes read:59884
  FILE: Number of bytes written:425157
  FILE: Number of read operations:0
  FILE: Number of large read operations:0
  FILE: Number of write operations:0
  HDFS: Number of bytes read:426203874
  HDFS: Number of bytes written:138
  HDFS: Number of read operations:107
  HDFS: Number of large read operations:0
  HDFS: Number of write operations:10
  HDFS: Number of bytes read erasure-coded:0
Map-Reduce framework
  Map input records:1747807
  Map output records:1747565
  Map output bytes:34476036
  Map output materialized bytes:790
  Input split bytes:768
  Combine input records:1747565
  Combine output records:20
  Reduce input groups:3
  Reduce shuffle bytes:790
  Reduce input records:20
  Reduce output records:3
  Spilled Records:40
  Shuffled Maps:7
  Failed Shuffles:0
  Merged Map outputs:7
  GC time elapsed (ms):1283
  Total committed heap usage (bytes):1246749672
Shuffle Errors
  BAD_ID=0
  CONNECTION=0
  IO_ERROR=0
  WRONG_LENGTH=0
  WRONG_MAP=0
  WRONG_REDT=0
File Input Format Counters
  Bytes Read:864693529
File Output Format Counters
  Bytes Written:138
khoshibin2@h-primary:~/1$ cat 1.csv
Both 4625175 960945 168250 143316 155365
Domain Pump 492608 1189116 226414 268093 192714
Joe Biden 5606807 1164631 146534 175297 142716
khoshibin2@h-primary:~/1$
```

سوال ٥:

```
khoshibin2@h-primary: ~/2
WRONG REDUCE=0
File Output Format Counters
  Bytes Written:191
2022-05-20 16:58:59,016 INFO mapred.LocalJobRunner: Finishing task: attempt local748481672_0001_r_000000_0
2022-05-20 16:58:59,016 INFO mapred.LocalJobRunner: reduce task executor complete.
2022-05-20 16:58:59,148 INFO mapreduce.Job: map 100% reduce 100%
2022-05-20 16:58:59,151 INFO mapreduce.Job: Job job_local748481672_0001 completed successfully
2022-05-20 16:58:59,182 INFO mapreduce.Job: Counter: 36
File System Counters
  FILE: Number of bytes read:52350870
  FILE: Number of bytes written:36838173
  FILE: Number of read operations:0
  FILE: Number of large read operations:0
  FILE: Number of write operations:0
  HDFS: Number of bytes read:452625024
  HDFS: Number of bytes written:191
  HDFS: Number of read operations:107
  HDFS: Number of large read operations:0
  HDFS: Number of write operations:10
  HDFS: Number of bytes read erasure-coded:0
Map-Reduce framework
  Map input records:1747807
  Map output records:1747531
  Map output bytes:22639663
  Map output materialized bytes:26134767
  Input split bytes:768
  Combine input records:0
  Combine output records:0
  Reduce input groups:4
  Reduce shuffle bytes:26134767
  Reduce input records:1747531
  Reduce output records:4
  Spilled Records:3495062
  Shuffled Maps:7
  Failed Shuffles:0
  Merged Map outputs:7
  GC time elapsed (ms):1708
  Total committed heap usage (bytes):1249394688
Shuffle Errors
  BAD_ID=0
  CONNECTION=0
  IO_ERROR=0
  WRONG_LENGTH=0
  WRONG_MAP=0
  WRONG_REDT=0
File Input Format Counters
  Bytes Read:864693529
File Output Format Counters
  Bytes Written:191
khoshibin2@h-primary:~/2$ cat 1.csv
California 0.1864749 0.3432961 0.42226706 526414
Florida 0.18257025 0.3305202 0.40664773 245097
New York 0.18531367 0.36127055 0.45341398 397783
Texas 0.18776841 0.3367763 0.47545177 234542
khoshibin2@h-primary:~/2$
```

سوال 6:

```
khoshbin2@h-primary: ~/3
WRONG_INPUT=0
WRONG_MAP=0
WRONG_REDUCE=0
File Output Format Counters
  Bytes Written: 96
2022-05-25 08:31:41,616 INFO mapred.LocalJobRunner: Finishing task: attempt_local386768051_0001_r_000000_0
2022-05-25 08:31:42,519 INFO mapreduce.Job: map 100% reduce 100%
2022-05-25 08:31:42,539 INFO mapreduce.Job: Job job_local386768051_0001 completed successfully
2022-05-25 08:31:42,562 INFO mapreduce.Job: Counters: 36
File System Counters
  FILE: Number of bytes read=4029142
  FILE: Number of bytes written=16908676
  FILE: Number of read operations=0
  FILE: Number of large read operations=0
  FILE: Number of write operations=0
  HDFS: Number of bytes read=4526205324
  HDFS: Number of bytes written=96
  HDFS: Number of read operations=107
  HDFS: Number of large read operations=0
  HDFS: Number of write operations=10
  HDFS: Number of bytes read erasure-coded=0
Map-Reduce Framework
  Map input records=1747807
  Map output records=124217
  Map output bytes=1734601
  Map output materialized bytes=1983167
  Input split bytes=789
  Combine input records=0
  Combine output records=0
  Reduce input groups=2
  Reduce shuffle bytes=1983167
  Reduce input records=124217
  Reduce output records=2
  Spilled Records=240434
  Shuffled Maps=7
  Failed Shuffles=0
  Merged Map outputs=7
  GC time elapsed (ms)=1195
  Total committed heap usage (bytes)=1244180480
Shuffle Errors
  BAD_ID=0
  CONNECTION=0
  IO_ERROR=0
  WRONG_LENGTH=0
  WRONG_MAP=0
  WRONG_REDUCE=0
File Input Format Counters
  Bytes Read=86493529
File Output Format Counters
  Bytes Written=96
khoshbin2@h-primary:~/3$ cat 1.csv
California 0.22617116 0.2907483 0.48307332 54935
New York 0.19988488 0.2860832 0.51403195 64282
khoshbin2@h-primary:~/3$ |
```