HDFS,YARN测试过程和结果

1.上传文件

1.HDFS根目录下创建wbinput目录

```
hadoop fs -mkdir /wbinput
```

2.将 README.txt上传到/wbinput目录中

```
hadoop fs -put /opt/hadoop-2.7.2/README.txt /wbinput
```

Browse Directory

/wbinput							
Permission	Owner	Group	Size	Last Modified	Replication	Block Size	Name
-rw-rr	root	supergroup	1.33 KB	2022/6/6 16:35:36	1	128 MB	README.txt

Hadoop, 2015.

2.MapReduce测试程序测试YARN

执行命令

hadoop jar /opt/hadoop-2.7.2/share/hadoop/mapreduce/hadoop-mapreduce-examples-2.7.2.jar pi 100 100

```
Starting Job

22/06/06 04:49:58 INFO client.RMProxy: Connecting to ResourceManager at hadoop2/192.168.192.129:8032

22/06/06 04:49:58 INFO input.fileInputFormat: Total input paths to process : 100

22/06/06 04:59:00 INFO mapreduce.JobSubmitter: number of splits:100

22/06/06 04:50:00 INFO mapreduce.JobSubmitter: Submitting tokens for job: job_1654503504792_0001

22/06/06 04:50:01 INFO impl.YarnClientImpl: Submitted application application_1654503504792_0001

22/06/06 04:50:01 INFO mapreduce.Job: The url to track the job: http://hadoop2:8088/proxy/application_1654503504792_0001/

22/06/06 04:50:01 INFO mapreduce.Job: Running job: job_1654503504792_0001

22/06/06 04:50:18 INFO mapreduce.Job: Job job_1654503504792_0001 running in uber mode : false

22/06/06 04:56:23 INFO mapreduce.Job: map 0% reduce 0%

22/06/06 04:56:47 INFO mapreduce.Job: map 2% reduce 0%

22/06/06 04:57:36 INFO mapreduce.Job: map 5% reduce 0%

22/06/06 04:58:09 INFO mapreduce.Job: map 6% reduce 0%

22/06/06 04:58:09 INFO mapreduce.Job: map 7% reduce 0%

22/06/06 04:58:09 INFO mapreduce.Job: map 7% reduce 0%

22/06/06 04:58:03 INFO mapreduce.Job: map 7% reduce 0%

22/06/06 04:58:03 INFO mapreduce.Job: map 8% reduce 0%

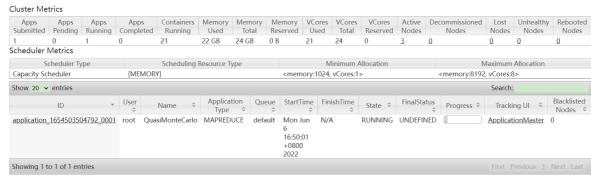
22/06/06 05:00:47 INFO mapreduce.Job: map 9% reduce 0%

22
```



All Applications







All Applications

Cluster Me	trics															
Apps Submitted	Apps Pending	Apps Running	Apps		Memory Used	Memory Total	/ Memo	,	VCores Total	VCores Reserved	Active Nodes		nissioned des	Lost	Unheal	
1	0	0	1	0	0 B	24 GB	0 B	0		0	3	Q		0	Q	Q
Scheduler I	Metrics															
Scheduler Type Scheduling Resource Type				уре		Minimum Allocation					Maximum Allocation					
Capacity Scheduler [MEMORY]					<n< td=""><td colspan="6"><memory:1024, vcores:1=""> <memory:8192, vcores:8=""></memory:8192,></memory:1024,></td><td></td></n<>	<memory:1024, vcores:1=""> <memory:8192, vcores:8=""></memory:8192,></memory:1024,>										
Show 20 v entries Search:																
	ID	¥	User \$	Name \$	Applic Type		Queue	StartTime \$	FinishTim	e State	Fina	ilStatus	Progress	\$ \$ 1	Fracking UI \$	Blacklisted Nodes \$
application	165450350	04792 <u>0001</u>	root	Quasi Monte Carlo	MAPRED	OUCE (default	Mon Jun 6 16:50:01 +0800	Mon Jun 6 17:46:09 +0800 202		D SUC	CEEDED		H	i <u>story</u>	N/A

```
Total megabyte-mittiseconds taken by att map tasks=10070091130

Total megabyte-milliseconds taken by all reduce tasks=1010801664
       Map-Reduce Framework
                Map input records=100
                Map output records=200
                Map output bytes=1800
                Map output materialized bytes=2800
                Input split bytes=14390
                Combine input records=0
                Combine output records=0
                Reduce input groups=2
                Reduce shuffle bytes=2800
                Reduce input records=200
                Reduce output records=0
                Spilled Records=400
                Shuffled Maps =100
                Failed Shuffles=0
                Merged Map outputs=100
                GC time elapsed (ms)=234311
                CPU time spent (ms)=856050
                Physical memory (bytes) snapshot=25453289472
                Virtual memory (bytes) snapshot=212622667776
                Total committed heap usage (bytes)=20253769728
       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=11800
       File Output Format Counters
                Bytes Written=97
ob Finished in 1475.645 seconds
stimated value of Pi is 3.14080000000000000000
```