Hadoop HDFS & MapReduce

docker run command

```
172-16-40-107:~ rajdaiya$ docker stop hadoop
hadoop
172-16-40-107:~ rajdaiya$ docker rm hadoop
hadoop
172-16-40-107:~ rajdaiya$ docker run --hostname=quickstart.cloudera --privilege]
d=true -t -i -d -p 8888:8888 -p 8000:80 -P --name hadoop cloudera/quickstart:lat
est /usr/bin/docker-quickstart
4c3e083736a3a748bbaaf2abe106bea7b8cb87d843daaeec7dcb2903e2b71aaa
172-16-40-107:~ rajdaiya$
```

docker

docker version command

```
build an image from a Dockerfile

commit Create a new image from a container; changes

cp control Create a new image from a container; changes

cp control Create a new image from a container; changes

cp control Create a new image from a container; changes

cp control Create a new image from a container; and the local filesystem

cdeploy beging a new stack or update an existing stack

diff Inspect changes to files or directories on a container; filesystem

control Image from a command in a running container

control Export a container; filesystem as a tar archive

introl Image from a container; filesystem as a tar archive

introl Image from a container; filesystem as a tar archive

introl Image from a container; filesystem as a tar archive

introl Image from a container; filesystem as a tar archive

introl Image from a container; filesystem as a tar archive

introl Image from a container; filesystem as a tar archive

introl Image from a container; filesystem as a tar archive

introl Image from a container; filesystem as a tar archive

introl Image from a container; filesystem as a tar archive introl Image

introl Image from a container; filesystem as a tar archive introl Image

introl Image from a container; filesystem as a tar archive introl Image

introl Image from a container; filesystem as a tar archive introl Image

introl Image from a container; filesystem as a tar archive introl Image

introl Image from a container; filesystem as a tar archive introl Image

introl Image from a container; filesystem as a tar archive introl Image

introl Image from a container; filesystem as a tar archive introl Image

introl Image from a container; filesystem of a specific mapping for the container;

public Public from the container;

public Public from the container;

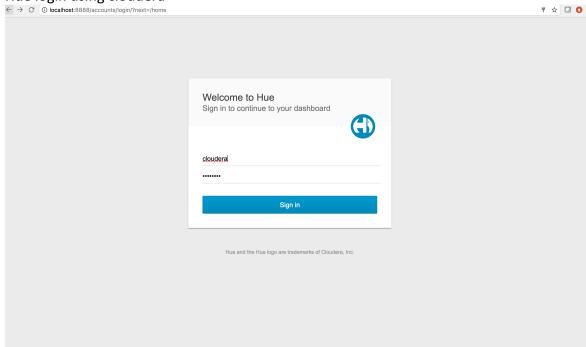
introl Image from a container;

i
```

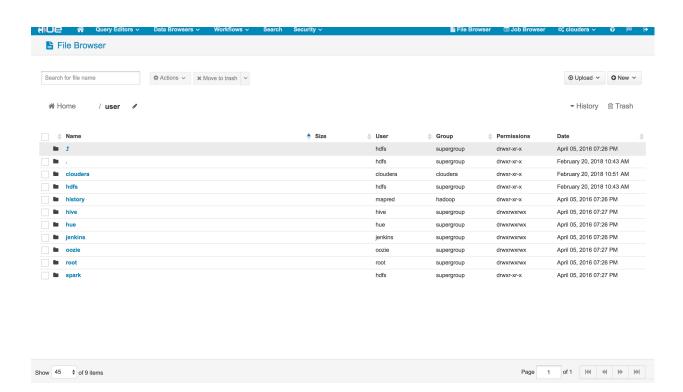
Running a version of Hadoop (docker or otherwise), create a directory on HDFS with your first name (e.g. mine will be 'juan'). Submit a screen grab of the output of a Hadoop fs listing showing your home directory **and** your new directory in it

```
This Remove one or more images
to a tax archive (streamed to STOUT by default)
to be a second or a recent second or the second o
```

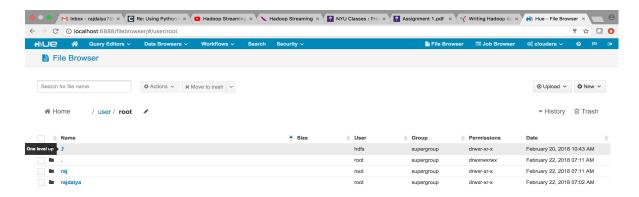
Hue login using cloudera



Users on Hue



The mkdir command directories on Hue



Submit a screen grab of your program running or completed in Hadoop. Hue has a jobs status page, use that one. Or use the command: 'hadoop jar':

Running Hadoop using Hadoop-streaming:

```
18/02/22 20:39:01 MARN streaming.StreamJob: -file option is deprecated, please use generic option -files instead.
packageJoblar: (mapper.py, reducer.py) [/usr/jars/hadoop-streaming-2.6.0-cdh5.7.0.jar]/tmp/streamjob2315961207967489724.jar tmpDir=null
18/02/22 20:39:02 INFO client.MMProsy: Connecting to ResourceManager at 70.0.0.18832
18/02/22 20:39:03 INFO mapreduce.JobSubmitter: number of splits:2
18/02/22 20:39:03 INFO mapreduce.JobSubmitter: submitting tokens for job: job.js19328626440.0083
18/02/22 20:39:03 INFO mapreduce.JobSubmitter: submitting tokens for job: job.js19328626440.0083
18/02/22 20:39:03 INFO mapreduce.JobSubmitter: submitting tokens for job: job.js19328626440.0083
18/02/22 20:39:04 INFO mapreduce.Job: maprice in job: job.js19328626440.0083
18/02/22 20:39:04 INFO mapreduce.Job: mapring job: job.js19328626440.0083
18/02/22 20:39:10 INFO mapreduce.Job: map d8% reduce 0%
18/02/22 20:39:10 INFO mapreduce.Job: map d8% reduce 0%
18/02/22 20:39:10 INFO mapreduce.Job: map d8% reduce 0%
18/02/22 20:39:29 INFO mapreduce.Job: map d8% reduce 0%
18/02/22 20:39:29 INFO mapreduce.Job: map d8% reduce 0%
18/02/22 20:39:29:29 INFO mapreduce.Jo
```

18/82/22 18:09:11 TWO magneduce.Job: map 180% reduce 180%
18/82/22 18:09:11 TWO magneduce.Job: pol.pi.50931399914, 0008 failed with state FAILED due to: Task failed task_1519313959914_0008_m_0000000
18/82/22 18:09:11 TWO magneduce.Job: Counters: 13
100 Counters

100 Counters

Failed map tasks=1
Launched map tasks=6
Uther Local map tasks=6
U

