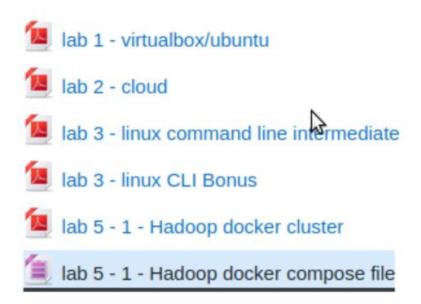
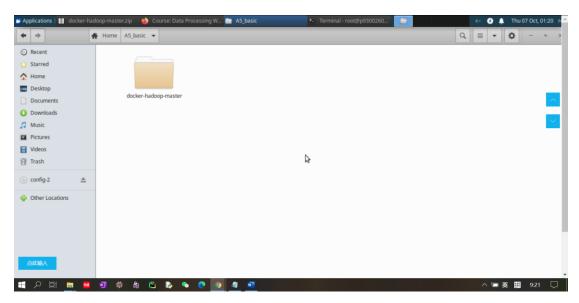
Lab



Download the Hadoop docker compose file.



Extract the file to your computer.

```
root@p930026096:~# ls

A4_Bonus Documents Pictures Videos java
A5_basic Downloads Public anaconda3 snap

Desktop Music Templates dws2_A4 thinclient drives

root@p930026096:~# cd A5_basic

root@p930026096:~/A5_basic# ls

docker-hadoop-master
```

The file had been successfully extracted

```
root@p930026096:~/A5 basic# cd docker-hadoop-master/
root@p930026096:~/A5_basic/docker-hadoop-master# docker-compose up -d
Creating network "docker-hadoop-master default" with the default driver
Creating volume "docker-hadoop-master hadoop namenode" with default driver
Creating volume "docker-hadoop-master hadoop datanode" with default driver
Creating volume "docker-hadoop-master_hadoop_historyserver" with default driver
Pulling namenode (bde2020/hadoop-namenode:2.0.0-hadoop3.2.1-java8)...
7127a1d8cced: Pull complete
883a89599900: Pull complete
77920a3e82af: Pull complete
92329e81aec4: Pull complete
f373218fec59: Pull complete
aa53513fe997: Pull complete
8b1800105b98: Pull complete
c3a84a3e49c8: Pull complete
a65640a64a76: Pull complete
facffb3a6de3: Pull complete
c71a6df73788: Pull complete
73b8c0ccb707: Pull complete
Digest: sha256:51ad9293ec52083c5003ef0aaab00c3dd7d6335ddf495cc1257f97a272cab4c0
Status: Downloaded newer image for bde2020/hadoop-namenode:2.0.0-hadoop3.2.1-java8
Pulling datanode (bde2020/hadoop-datanode:2.0.0-hadoop3.2.1-java8)...
2.0.0-hadoop3.2.1-java8: Pulling from bde2020/hadoop-datanode
3192219afd04: Already exists
7127a1d8cced: Already exists
883a89599900: Already exists
77920a3e82af: Already exists
92329e81aec4: Already exists
f373218fec59: Already exists
aa53513fe997: Already exists
8<u>b1800105b98:</u> Already exists
              Already exists
    点此输入
              Already exists
3ca2ec07878c: Pull complete
```

Go to the docker-hadoop-master.

Then type the command "docker-compose up -d" to deploy Hadoop.

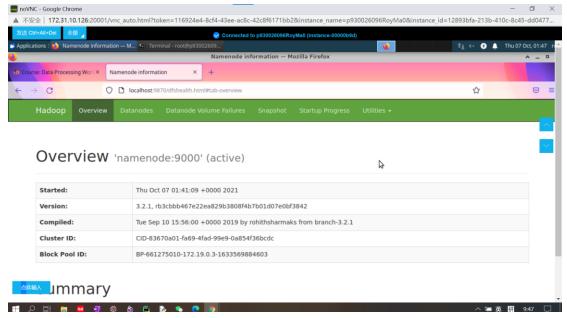
```
nrdezr: zugspo:arcgsgargioscagcargaeascosa\tic\csgppragapppagagapppgagappnagappn
Status: Downloaded newer image for bde2020/hadoop-resourcemanager:2.0.0-hadoop3.2.1-java8
Pulling nodemanager1 (bde2020/hadoop-nodemanager:2.0.0-hadoop3.2.1-java8)...
2.0.0-hadoop3.2.1-java8: Pulling from bde2020/hadoop-nodemanager
3192219afd04: Already exists
7127ald8cced: Already exists
883a89599900: Already exists
77920a3e82af: Already exists
92329e81aec4: Already exists
f373218fec59: Already exists
aa53513fe997: Already exists
8b1800105b98: Already exists
c3a84a3e49c8: Already exists
a65640a64a76: Already exists
beaa171f32f6: Pull complete
50dda04de8a9: Pull complete
Digest: sha256:b5515b537a30468a00198610861e0228ef51110315e7df18025a3d0bbe0b0951
Status: Downloaded newer image for bde2020/hadoop-nodemanager:2.0.0-hadoop3.2.1-java8
Pulling historyserver (bde2020/hadoop-historyserver:2.0.0-hadoop3.2.1-java8)...
2.0.0-hadoop3.2.1-java8: Pulling from bde2020/hadoop-historyserver
3192219afd04: Already exists
7127ald8cced: Already exists
883a89599900: Already exists
77920a3e82af: Already exists
92329e81aec4: Already exists
f373218fec59: Already exists
aa53513fe997: Already exists
8b1800105b98: Already exists
c3a84a3e49c8: Already exists
a65640a64a76: Already exists
b2dc88cebe05: Pull complete
13b908760168: Pull complete
0991d53828a1: Pull complete
Digest: sha256:ab2971d5f8c3384d1b950015985d0371603f09a64e530c1fdda09f0026f06fab
Status: Downloaded newer image for bde2020/hadoop-historyserver:2.0.0-hadoop3.2.1-java8
Creating nodemanager
Creating namenode
                rcemanager ... done
    点此输入
                ryserver ... done
root@p930026096:~/A5 basic/docker-hadoop-master# ■
```

Wait for pulling, then has been successfully deployed.

CONTAINER ID		COMMAND	CREATED		
	NAMES				
lc97225450f5	bde2020/hadoop-resourcemanager:2.0.0-hadoop3.2.1-java8 resourcemanager	I "/entrypoint.sh /run"	3 minutes ago	Up 3 minutes (healthy)	8088/tcp
ab37d881826	bde2020/hadoop-datanode:2.0.0-hadoop3.2.1-java8 datanode	"/entrypoint.sh /run_"		Up 3 minutes (healthy)	9864/tcp
)43b52a8fdc2	bde2020/hadoop-historyserver:2.0.0-hadoop3.2.1-java8 historyserver	"/entrypoint.sh /run"			8188/tcp
	bde2020/hadoop-namenode:2.0.0-hadoop3.2.1-java8 >9870/tcp, :::9870->9870/tcp namenode	"/entrypoint.sh /run"		Up 3 minutes (healthy)	0.0.0.0:9000->9000/tcp, :::9000->9000/tcp,
点此输入	bde2020/hadoop-nodemanager:2.0.0-hadoop3.2.1-java8 nodemanager 6:~/AS basic/docker-hadoop-master#	"/entrypoint.sh /run"		Up 3 minutes (healthy)	8042/tcp

Type command "docker ps".

It includes resourcemanage, datanode, namenode, historyserver, nodemanager.



You can go to https://localhost:9870/ to check namenode state.