

```
C:\WINDOWS\system32>docker run -it --name hadoop-cluster -p 9870:9870 -p 8088:8088 -p 50070:50070 bde2020/hadoop-namenode:latest /bin/bash
^H^H
Configuring core
- Setting fs.defaultFS=hdfs://08261249414f:8020
Configuring hdfs
- Setting dfs.namenode.name.dir=file:///hadoop/dfs/name
Configuring yarn
Configuring https
Configuring kms
Configuring mapred
Configuring for multihomed network
root@08261249414f:/#
```

[illegible][illegible]

4.

[illegible]

5.

[illegible]

[illegible]

```
root@08261249414f:/# start-all.sh
bash: start-all.sh: command not found
root@08261249414f:/#
```

```
cod@00311206117: /$ cd /$ cd -p /usr/local/bin
004-11-11 00:59:10,402 INFO: Number of transactions: 4 Total time for transactions(ms): 73 Number of transactions batched in sync: 0 Number of syncs: 2 SyncTime(ms): 20
cod@00311206117: /$
```

9.

```
2024-11-18 00:59:10.402 INFO namenode.FSImage: Number of transactions: 1 A total time for transactions(ms): 21 Number of transactions batched in Sync: 0 Number of syncs: 2 SyncTimes(ms): 20
2024-11-18 00:59:10.404 INFO dfs dfs: get 5040009 HDFS/etc/hadoop/* and /user/hadoop/input
dfs dfs: get 5040009 HDFS/etc/hadoop/* and /user/hadoop/input
2024-11-18 00:00:13.030 INFO namenode.FSImage: Number of transactions: 1 A total time for transactions(ms): 21 Number of transactions batched in Sync: 0 Number of syncs: 2 SyncTimes(ms): 20
2024-11-18 00:00:13.090 INFO dfs.StateChange: BLOCK* allocate blk_1073701020_1000, replicas=172.17.0.2:29868 for /user/hadoop/input/capacity-scheduler.xml_COPYING
2024-11-18 00:00:13.170 INFO dfs.StateChange: BLOCK* allocate blk_1073701020_1000, replicas=172.17.0.2:29868 for /user/hadoop/input/capacity-scheduler.xml_COPYING
2024-11-18 00:00:13.000 INFO namenode.DataNode: Receiving BP-1628571528-172.17.0.2-173101010007-b1k_1073701020_1000 src: /172.17.0.2:42158 dest: /172.17.0.2:29868
2024-11-18 00:00:13.000 INFO namenode.DataNode: clientTrace: src: /172.17.0.2:42158, dest: /172.17.0.2:29868, bytes: 808, op: HDFS_WRITE, cliID: DFSClient_M0MPP4QD0K2_05580310.1, offset: 0, seqID: 8023b0d0-0c10-4e61-b0
ae-P502678010, blockID: BP-1628571528-172.17.0.2-173101010007-b1k_1073701020_1000, duration(s): 42059585
2024-11-18 00:00:13.000 INFO namenode.DataNode: PacketKiller: BP-1628571528-172.17.0.2-173101010007-b1k_1073701020_1000, type=LAST, 26 FDPU,LINE terminating
2024-11-18 00:00:13.000 INFO namenode.DataNode: Receiving BP-1628571528-172.17.0.2-173101010007-b1k_1073701020_1000 src: /172.17.0.2:42158 dest: /172.17.0.2:29868
2024-11-18 00:00:13.000 INFO namenode.DataNode: clientTrace: src: /172.17.0.2:42158, dest: /172.17.0.2:29868, bytes: 808, op: HDFS_WRITE, cliID: DFSClient_M0MPP4QD0K2_05580310.1, offset: 0, seqID: 8023b0d0-0c10-4e61-b0
ae-P502678010, blockID: BP-1628571528-172.17.0.2-173101010007-b1k_1073701020_1000, duration(s): 190571
2024-11-18 00:00:13.000 INFO namenode.DataNode: PacketKiller: BP-1628571528-172.17.0.2-173101010007-b1k_1073701020_1000, type=LAST, 26 FDPU,LINE terminating
2024-11-18 00:00:13.000 INFO namenode.DataNode: Receiving BP-1628571528-172.17.0.2-173101010007-b1k_1073701020_1000 src: /172.17.0.2:42158 dest: /172.17.0.2:29868
2024-11-18 00:00:13.000 INFO namenode.DataNode: clientTrace: src: /172.17.0.2:42158, dest: /172.17.0.2:29868, bytes: 1182, op: HDFS_WRITE, cliID: DFSClient_M0MPP4QD0K2_05580310.1, offset: 0, seqID: 8023b0d0-0c10-4e61-b0
ae-P502678010, blockID: BP-1628571528-172.17.0.2-173101010007-b1k_1073701020_1000, duration(s): 205725
2024-11-18 00:00:13.000 INFO namenode.DataNode: PacketKiller: BP-1628571528-172.17.0.2-173101010007-b1k_1073701020_1000, type=LAST, 26 FDPU,LINE terminating
2024-11-18 00:00:13.000 INFO namenode.DataNode: Receiving BP-1628571528-172.17.0.2-173101010007-b1k_1073701020_1000 src: /172.17.0.2:42158 dest: /172.17.0.2:29868
2024-11-18 00:00:13.000 INFO namenode.DataNode: clientTrace: src: /172.17.0.2:42158, dest: /172.17.0.2:29868, bytes: 128, op: HDFS_WRITE, cliID: DFSClient_M0MPP4QD0K2_05580310.1, offset: 0, seqID: 8023b0d0-0c10-4e61-b0
ae-P502678010, blockID: BP-1628571528-172.17.0.2-173101010007-b1k_1073701020_1000, duration(s): 205200
2024-11-18 00:00:13.000 INFO namenode.DataNode: PacketKiller: BP-1628571528-172.17.0.2-173101010007-b1k_1073701020_1000, type=LAST, 26 FDPU,LINE terminating
2024-11-18 00:00:13.000 INFO namenode.DataNode: Receiving BP-1628571528-172.17.0.2-173101010007-b1k_1073701020_1000 src: /172.17.0.2:42158 dest: /172.17.0.2:29868
2024-11-18 00:00:13.000 INFO namenode.DataNode: clientTrace: src: /172.17.0.2:42158, dest: /172.17.0.2:29868, bytes: 1182, op: HDFS_WRITE, cliID: DFSClient_M0MPP4QD0K2_05580310.1, offset: 0, seqID: 8023b0d0-0c10-4e61-b0
ae-P502678010, blockID: BP-1628571528-172.17.0.2-173101010007-b1k_1073701020_1000, duration(s): 200767
```

10.

```
2024-11-18 00:01:51.393 INFO impl.MetricSink: Loaded properties from hadoop-metrics2.properties
2024-11-18 00:01:51.543 INFO impl.MetricSinkSystemImpl: Scheduled Metric snapshot period at 10 second(s).
2024-11-18 00:01:53.343 INFO impl.MetricSinkSystemImpl: JobTracker metrics system started
2024-11-18 00:01:53.403 INFO impl.FiledumpWriter: Total input files to process: 0
2024-11-18 00:01:53.408 INFO mapreduce.JobSubmitter: number of splits: 0
2024-11-18 00:01:52.113 INFO mapreduce.JobSubmitter: Submitting tokens for job: job_local240553015_0001
2024-11-18 00:01:52.113 INFO mapreduce.JobSubmitter: Creating task tokens: []
2024-11-18 00:01:52.217 INFO mapreduce.Job: The url to track the job: http://localhost:8080/
2024-11-18 00:01:52.217 INFO mapreduce.Job: Running job: job_local240553015_0001
2024-11-18 00:01:52.218 INFO mapreduce.localJobRunner: OutputCommitter: File Output Commmitter Algorithm version is 2
2024-11-18 00:01:52.230 INFO output.FileOutputCommitter: File Output Commmitter: skip cleanup, temporary folders under output directory: false, ignore cleanup failures: false
2024-11-18 00:01:52.230 INFO mapreduce.localJobRunner: OutputCommitter: org.apache.hadoop.mapreduce.lib.output.FileOutputCommitter
2024-11-18 00:01:52.232 INFO namenode.FSImage: Number of transactions: 01 A total time for transactions(ms): 42 Number of syncs: 0 SyncTimes(ms): 122
2024-11-18 00:01:52.784 INFO mapreduce.localJobRunner: Waiting for map tasks
2024-11-18 00:01:52.785 INFO mapreduce.localJobRunner: Starting task: attempt_local240553015_0001_m_000000_0
2024-11-18 00:01:52.813 INFO output.FileOutputCommitter: File Output Commmitter Algorithm version is 2
2024-11-18 00:01:52.823 INFO output.FileOutputCommitter: File Output Commmitter: skip cleanup, temporary folders under output directory: false, ignore cleanup failures: false
2024-11-18 00:01:52.840 INFO mapreduce.Task: Using ResourceCalculatorProcessImpl: [ ]
2024-11-18 00:01:52.903 INFO mapreduce.Task: Processing split: file://1943612001010:8080/user/hadoop/input/hadoop-policy.xml-0-11101
2024-11-18 00:01:53.907 INFO mapreduce.Task: (attempt_0) & url 20241010C04007004
2024-11-18 00:01:52.907 INFO mapreduce.Task: mapreduce.task.io.sort.mb: 100
2024-11-18 00:01:52.907 INFO mapreduce.Task: soft limit at 83886080
2024-11-18 00:01:52.907 INFO mapreduce.Task: buffer = 0, bufferid = 384857000
2024-11-18 00:01:52.907 INFO mapreduce.Task: buffer = 16214700, length = 6593000
2024-11-18 00:01:52.912 INFO mapreduce.Task: org.apache.hadoop.mapreduce.TaskMapOutputCommitter: org.apache.hadoop.mapreduce.TaskMapOutputCommitter
2024-11-18 00:01:52.912 INFO mapreduce.Task: job job_local240553015_0001 mapping is also done = false
2024-11-18 00:01:53.225 INFO mapreduce.job: map off reduce 05
2024-11-18 00:01:53.954 INFO mapreduce.localJobRunner:
2024-11-18 00:01:53.958 INFO mapreduce.Task: Starting flush of map output
2024-11-18 00:01:53.922 INFO mapreduce.Task: Spilling map output
2024-11-18 00:01:53.923 INFO mapreduce.Task: buffer = 0, bufferid = 15783, bufferid = 508857000
2024-11-18 00:01:53.921 INFO mapreduce.Task: buffer = 26214200(10405784), buffer = 26200100(38483600), length = 52174553000
2024-11-18 00:01:53.940 INFO mapreduce.Task: finished split 0
2024-11-18 00:01:53.950 INFO mapreduce.Task: task attempt_local240553015_0001_m_000000_0 is done. And is in the process of committing
2024-11-18 00:01:53.957 INFO mapreduce.localJobRunner: map
2024-11-18 00:01:53.980 INFO mapreduce.Task: task attempt_local240553015_0001_m_000000_0 done
2024-11-18 00:01:54.812 INFO mapreduce.Task: Final Counters For attempt_local240553015_0001_m_000000_0: Counters: 28
File System Counters:
FILE: Number of bytes read=157864
FILE: Number of bytes written=85022
FILE: Number of read operations=0
FILE: Number of large read operations=0
FILE: Number of write operations=0
HDFS: Number of bytes read=11342
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```

root@8030312004ef:/# df -h df -cat /usr/bin/ncat/port-c-00000
root@1118 00:03:32,496 1840 sed:1:srcDataTransferClient: bad encryption trust check: localMustTrusted = false, remoteMustTrusted = false
sed: 21
sed: 0
Alice"1} 0
Alice,bob 21
Alice" 1
RSP 1
root 1
the 0
-9 10
1 1
1 1
1.0 1
1-MAX_INT 1
1 1
1.0 1
1.0 0
0 2
00:20:40 1
2
c) = 18
c/configurations 0
c/descriptions 33
c/name 2
c/property 52
c/sml 0
c/sml_stylesheet 4
c/configurations 0
c/description 31
c/descriptionKey 25
c/descriptionDefault 1
c/nameDefaultKey.ac1.DECRYPT_FKs/name 1
c/nameDefaultKey.ac1.GENERATE_FKs/name 1
c/nameDefaultKey.ac1.MANAGE_FKs/name 1
c/nameDefaultKey.ac1.READs/name 1
c/nameBackupKey.ac1.CREDITs/name 1
c/nameBackupKey.ac1.DECRYPT_FKs/name 1
c/nameBackupKey.ac1.DELETEs/name 1
c/nameBackupKey.ac1.GENERATE_FKs/name 1
c/nameBackupKey.ac1.GETs/name 1
c/nameBackupKey.ac1.GET_FKs/name 1
c/nameBackupKey.ac1.GET_METADATAs/name 1
c/nameBackupKey.ac1.REALOVERs/name 1
c/nameBackupKey.ac1.SET_FKs/MATERIALs/name 1

```