19APSE4310

M.A.K.R.Senadheera

```
Resolving deltas: 100% (3/3), done.
PS C:\LMS\assignment> cd .\Parallel-and-Distributed-System-Assignment-3
PS C:\LMS\assignment\Parallel-and-Distributed-System-Assignment-3> docker pull bde2020/hadoop-datanode:latest
latest: Pulling from bde2020/hadoop-datanode
Digest: sha256:35f899bcbe9f983825a8a3bdc135ed0e8e0eaf3b58f9b08bf257b5e86bae3b47
Status: Image is up to date for bde2020/hadoop-datanode:latest
docker.io/bde2020/hadoop-datanode:latest
```

```
PS C:\LMS\assignment\Parallel-and-Distributed-System-Assignment-3> docker pull bde2020/hadoop-historyserver
Using default tag: latest
latest: Pulling from bde2020/hadoop-historyserver
docker.io/bde2020/hadoop-historyserver:latest

What's next:
    View a summary of image vulnerabilities and recommendations → docker scout quickview bde2020/hadoop-historyserver
PS C:\LMS\assignment\Parallel-and-Distributed-System-Assignment-3> docker volume create namenode
namenode
docker.io/bde2020/hadoop-historyserver:latest
```

```
PS C:\LMS\assignment\Parallel-and-Distributed-System-Assignment-3> docker volume create namenode
namenode
docker.io/bde2020/hadoop-historyserver:latest

What's next:
    View a summary of image vulnerabilities and recommendations → docker scout quickview bde2020/hadoop-historyserver
PS C:\LMS\assignment\Parallel-and-Distributed-System-Assignment-3> docker volume create namenode
namenode
PS C:\LMS\assignment\Parallel-and-Distributed-System-Assignment-3> docker volume create datanode
datanode
PS C:\LMS\assignment\Parallel-and-Distributed-System-Assignment-3> docker-compose up -d
time="2025-01-06T19:47:50+05:30" level=warning msg="C:\\LMS\\assignment\\Parallel-and-Distributed-System-Assignment-3\\docker-compose.yml: the attribute `version` is obsolete, it will be ignored, pleas
e remove it to avoid potential confusion"
[+] Running 6/6
 ✓ Network parallel-and-distributed-system-assignment-3_default          Created          0.0s
 ✓ Volume "parallel-and-distributed-system-assignment-3_namenode-data"   Created          0.0s
 ✓ Volume "parallel-and-distributed-system-assignment-3_datanode-data"   Created          0.0s
 ✓ Container namenode                                                    Started          0.8s
 ✓ Container datanode                                                    Started          1.0s
 ✓ Container historyserver                                               Started          1.2s
```

```
PS C:\LMS\assignment\Parallel-and-Distributed-System-Assignment-3> docker exec -it namenode hdf
s dfs -put/path/to/input.txt/input
-put/path/to/input: Unknown command
Usage: hadoop fs [generic options]
```
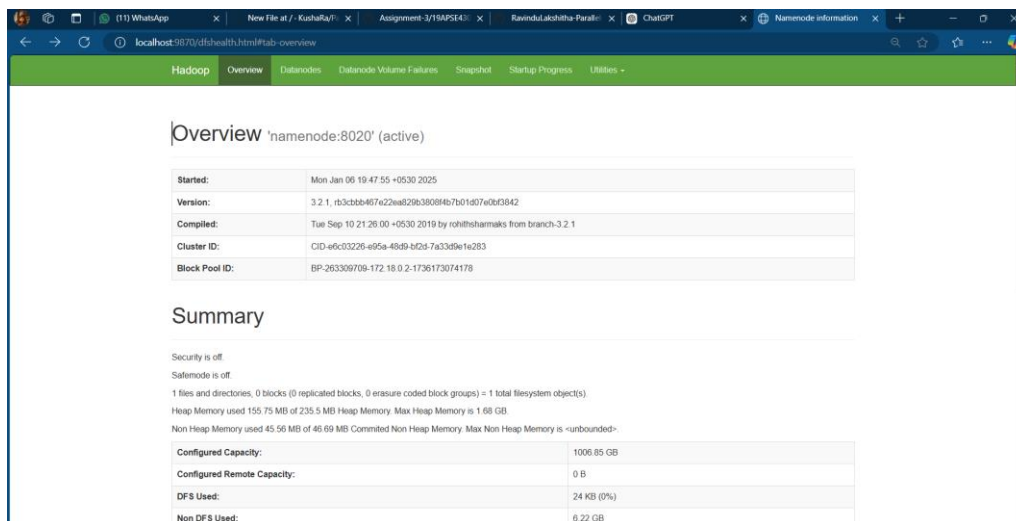
```
What's next:
    Try Docker Debug for seamless, persistent debugging tools in any container or image → docker debug namenode
    Learn more at https://docs.docker.com/go/debug-cli/
PS C:\LMS\assignment\Parallel-and-Distributed-System-Assignment-3> docker cp C:\LMS\assignment\Parallel-and-Distributed-System-Assignment-3\input.txt namenode:/input.txt
Successfully copied 2.05kB to namenode:/input.txt
PS C:\LMS\assignment\Parallel-and-Distributed-System-Assignment-3> docker exec -it namenode ls
KEYS  dev           hadoop        input.txt  media  proc  run.sh  sys  var
bin   entrypoint.sh hadoop-data   lib        mnt    root  sbin    tmp
boot  etc           home          lib64      opt    run   srv     usr

What's next:
    Try Docker Debug for seamless, persistent debugging tools in any container or image → docker debug namenode
    Learn more at https://docs.docker.com/go/debug-cli/
PS C:\LMS\assignment\Parallel-and-Distributed-System-Assignment-3> docker cp C:\LMS\assignment\Parallel-and-Distributed-System-Assignment-3\hadoop-mapreduce-exmples-2.7.1/jar namenode:/root/
CreateFile C:\LMS\assignment\Parallel-and-Distributed-System-Assignment-3\hadoop-mapreduce-exmples-2.7.1: The system cannot find the file specified.
PS C:\LMS\assignment\Parallel-and-Distributed-System-Assignment-3> docker cp C:\LMS\assignment\Parallel-and-Distributed-System-Assignment-3\hadoop-mapreduce-exmples-2.7.1
"docker cp" requires exactly 2 arguments.
See 'docker cp --help'.

Usage:  docker cp [OPTIONS] CONTAINER:SRC_PATH DEST_PATH|-
        docker cp [OPTIONS] SRC_PATH|- CONTAINER:DEST_PATH
```
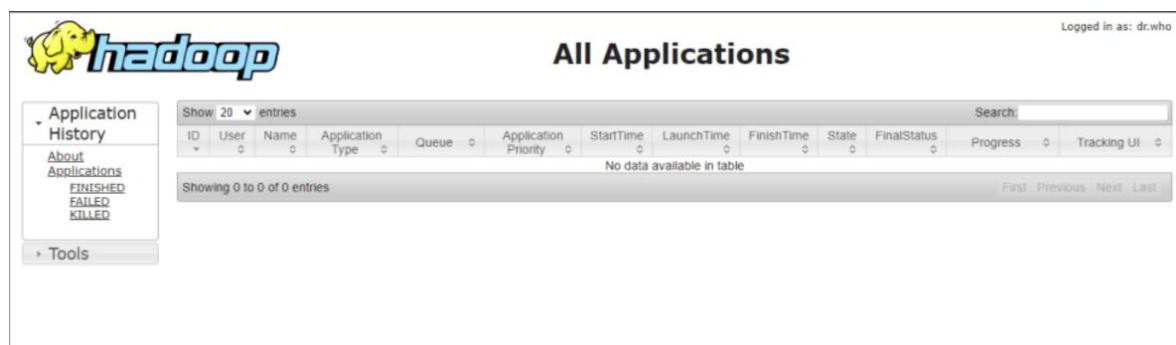
```
2025-01-06 09:09:43,141 INFO sasl.SaslDataTransferClient: SASL encryption trust check: localHostTrusted = false, remoteHostTrusted = false
Hadoop      2
a           2
about       1
across      1
amounts     1
an          1
and         1
computers.          1
data        1
framework           2
interesting         1
is          2
large       1
learn       1
network 1
networking.         1
of          2
open-source         1
processes           1
stores 1
that        1
to          1
very        1

What's next:
    Try Docker Debug for seamless, persistent debugging tools in any container or image → docker debug namenode
    Learn more at https://docs.docker.com/go/debug-cli/
```

Verification Process