Assignment - 03

Sabaragamuwa University of Sri Lanka

Faculty of Computing

Software Engineering

SE6103 – Parallel and Distributed Systems

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Academic Period : 3rd Year 2nd Semester

Degree Program : Software Engineering

Question 2

```
PS D:\Academic\Semester 6\Docker\Assignent 3> docker-compose up -d time="2025-01-06T14:12:25+05:30" level=warning msg="D:\Academic\Semester 6\Docker\Assignent 3\docker-compose.yml: the attribute 've rsion' is obsolete, it will be ignored, please remove it to avoid potential confusion"

[+] Running 3/3

Container historyserver Started

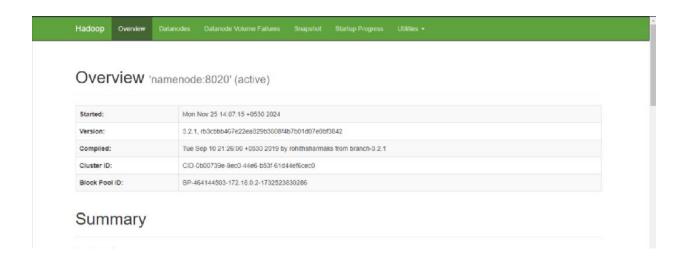
Container namenode Started

Container datanode Started

PS D:\Academic\Semester 6\Docker\Assignent 3>
```

```
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/
-rw-r--r- 3 root supergroup 181 2025-01-06 08:58 /input
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 D:\Academic\Semester 6\Docker\Assignment 3> docker cp /path/to/wordcount.jar namenode:/opt/hadoop-3.2.1/wordcount.jar
CreateFile D:\nath: The system cannot find the file specified
```

```
2025-01-06 09:09:43,141 INFO sasl.SaslDataTransferClient: SASL encryption trust check: localHostTrusted = false, remoteHostTrusted = fal
se
Hadoop 2
a
about
across
amounts 1
and
computers.
data 1
framework
interesting
large
learn 1
network 1
networking.
open-source
processes
stores 1
that
to
very
What's next:
    Try Docker Debug for seamless, persistent debugging tools in any container or image \rightarrow docker debug namenode Learn more at https://docs.docker.com/go/debug-cli/
PS D:\Academic\Semester 6\Docker\Assigment 3>
```



Logged in as: dr.who



All Applications



```
✓ ADSIGNMENT)

docker-composeyml

1 version: "3"
2 services:
3 namenode:
4 image: bde202h/hadoop-namenode:latest
container_name: namenode
environment:
7 - CLUSTER_NAME-ShopSmartCluster
- CORE_CONF_fs_defaultFS=hdfs://namenode:8828
ports:
10 - "8878-9870"
11 | "9808-9800"
12 volumes:
13 datanode:
14 datanode:
15 datanode
16 image: bde202h/hadoop-datanode:latest
container_name: datanode
17 container_name: datanode
18 environment:
19 - CORE_CONF_fs_defaultFS=hdfs://namenode:8828
volumes:
19 - CORE_CONF_fs_defaultFS=hdfs://namenode:8828
volumes:
10 - CORE_CONF_fs_defaultFS=hdfs://namenode:8828
volumes:
11 - CORE_CONF_fs_defaultFS=hdfs://namenode:8828
volumes:
12 - CORE_CONF_fs_defaultFS=hdfs://namenode:8828
volumes:
13 - container_name: datanode
depends_on:
14 - datanode-data:/hadoop/dfs/datanode
depends_on:
15 - mamenode
16 image: bde202h/hadoop-historyserver:latest # Replace with a valid image if necessary
container_name: historyserver:
18 epinode
19 - namenode
10 - namenode
20 - namenode
21 - namenode
22 - namenode
23 - namenode
24 - namenode
25 - namenode
26 - namenode
27 - namenode
28 - namenode
29 - namenode
29 - namenode
20 - namenode
20 - namenode
21 - namenode
22 - namenode
23 - namenode
24 - namenode
```