

LAPORAN KUIS 1
MATA KULIAH BIG DATA



Dosen Pengampu:

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Disusun Oleh:

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PROGRAM STUDI D4 TEKNIK INFORMATIKA
JURUSAN TEKNOLOGI INFORMASI
POLITEKNIK NEGERI MALANG
2025

Bagian 1 : Mengunduh VM Hadoop Polinema

- Name Node – Komputer Triyana Dewi Fatmawati



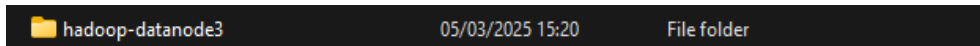
- Data Node 1 – Komputer Shasia Sasa Salsabyla



- Data Node 2 – Komputer Sukma Bagus Wahasdwika



- Data Node 3 – Komputer Yuma Rakha Samodra Sikayo



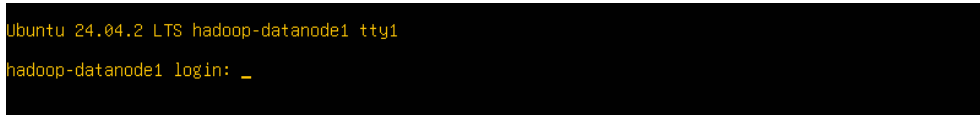
Dari gambar diatas dapat dilihat bahwa, VM Hadoop Polinema telah terunduh pada masing-masing komputer anggota kelompok.

Bagian 2 : Menjalankan VM Hadoop

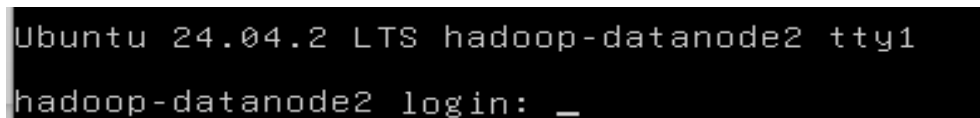
- Name Node – Komputer Triyana Dewi Fatmawati



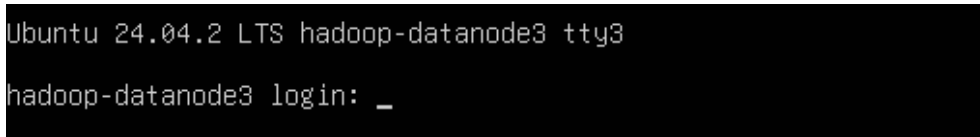
- Data Node 1 – Komputer Shasia Sasa Salsabyla



- Data Node 2 – Komputer Sukma Bagus Wahasdwika



- Data Node 3 – Komputer Yuma Rakha Samodra Sikayo



Semua anggota kelompok telah berhasil menjalankan VirtualBox di semua komputer yang akan dijadikan cluster Hadoop.

Bagian 3 : Konfigurasi Cluster

1. Memastikan seluruh komputer anggota kelompok berada dalam **satu jaringan yang sama**.
2. Setelah berhasil login seperti pada bagian 2, setiap anggota kelompok melakukan **cek ip address** pada masing-masing VM dengan mengetikkan perintah **ip addr**.

- Name Node – Komputer Triyana Dewi Fatmawati : **192.168.96.158**

```
hadoopuser@hadoop-namenode:~$ ip addr
1: lo: <LOOPBACK,UP,LOWER_UP> mtu 65536 qdisc noqueue state UNKNOWN group default qlen 1000
    link/loopback 00:00:00:00:00:00 brd 00:00:00:00:00:00
    inet 127.0.0.1/8 scope host lo
        valid_lft forever preferred_lft forever
    inet6 ::1/128 scope host noprefixroute
        valid_lft forever preferred_lft forever
2: enp0s3: <BROADCAST,MULTICAST,UP,LOWER_UP> mtu 1500 qdisc fq_codel state UP group default qlen 1000
    link/ether 08:00:27:fb:7a:fa brd ff:ff:ff:ff:ff:ff
    inet 192.168.96.158/24 metric 100 brd 192.168.96.255 scope global dynamic enp0s3
        valid_lft 3582sec preferred_lft 3582sec
    inet6 fe80::a00:27ff:feb:7afa/64 scope link
        valid_lft forever preferred_lft forever
3: ztnfacwriu: <BROADCAST,MULTICAST,UP,LOWER_UP> mtu 2800 qdisc fq_codel state UNKNOWN group default qlen 1000
    link/ether 1e:4d:89:48:00:b1 brd ff:ff:ff:ff:ff:ff
    inet 172.29.247.62/16 brd 172.29.255.255 scope global ztnfacwriu
        valid_lft forever preferred_lft forever
    inet6 fe80::1c4d:89ff:fe48:b1/64 scope link
        valid_lft forever preferred_lft forever
hadoopuser@hadoop-namenode:~$
```

- Data Node 1 – Komputer Shasia Sasa Salsabylla : **192.168.96.165**

```
hadoopuser@hadoop-datanode1:~$ ip addr
1: lo: <LOOPBACK,UP,LOWER_UP> mtu 65536 qdisc noqueue state UNKNOWN group default qlen 1000
    link/loopback 00:00:00:00:00:00 brd 00:00:00:00:00:00
    inet 127.0.0.1/8 scope host lo
        valid_lft forever preferred_lft forever
    inet6 ::1/128 scope host noprefixroute
        valid_lft forever preferred_lft forever
2: enp0s3: <BROADCAST,MULTICAST,UP,LOWER_UP> mtu 1500 qdisc fq_codel state UP group default qlen 1000
    link/ether 08:00:27:91:4b:9a brd ff:ff:ff:ff:ff:ff
    inet 192.168.96.165/24 metric 100 brd 192.168.96.255 scope global dynamic enp0s3
        valid_lft 3585sec preferred_lft 3585sec
    inet6 fe80::a00:27ff:fe91:4b9a/64 scope link
        valid_lft forever preferred_lft forever
```

- Data Node 2 – Komputer Sukma Bagus Wahasdwika : **192.168.96.131**

```
hadoopuser@hadoop-datanode2:~$ ip addr
1: lo: <LOOPBACK,UP,LOWER_UP> mtu 65536 qdisc noqueue state UNKNOWN group default qlen 1000
    link/loopback 00:00:00:00:00:00 brd 00:00:00:00:00:00
    inet 127.0.0.1/8 scope host lo
        valid_lft forever preferred_lft forever
    inet6 ::1/128 scope host noprefixroute
        valid_lft forever preferred_lft forever
2: enp0s3: <BROADCAST,MULTICAST,UP,LOWER_UP> mtu 1500 qdisc fq_codel state UP group default qlen 1000
    link/ether 08:00:27:c9:55:36 brd ff:ff:ff:ff:ff:ff
    inet 192.168.96.131/24 metric 100 brd 192.168.96.255 scope global dynamic enp0s3
        valid_lft 3158sec preferred_lft 3158sec
    inet6 fe80::a00:27ff:fec9:5536/64 scope link
        valid_lft forever preferred_lft forever
hadoopuser@hadoop-datanode2:~$
```

- Data Node 3 – Komputer Yuma Rakha Samodra Sikayo : **192.168.96.193**

```

iphadoopuser@hadoop-datanode3:~$ ip addr
1: lo: <LOOPBACK,UP,LOWER_UP> mtu 65536 qdisc noqueue state UNKNOWN group default qlen 1000
    link/loopback 00:00:00:00:00:00 brd 00:00:00:00:00:00
    inet 127.0.0.1/8 scope host lo
        valid_lft forever preferred_lft forever
    inet6 ::1/128 scope host noprefixroute
        valid_lft forever preferred_lft forever
2: enp0s3: <BROADCAST,MULTICAST,UP,LOWER_UP> mtu 1500 qdisc fq_codel state UP group default qlen 1000
    link/ether 08:00:27:a6:58:94 brd ff:ff:ff:ff:ff:ff
    inet 192.168.96.193/24 metric 100 brd 192.168.96.255 scope global dynamic enp0s3
        valid_lft 3569sec preferred_lft 3569sec
    inet6 fe80::a00:27ff:fea6:5894/64 scope link
        valid_lft forever preferred_lft forever
iphadoopuser@hadoop-datanode3:~$

```

3. Melakukan edit file **/etc/hosts** dengan menggunakan perintah **sudo nano /etc/hosts** sesuai dengan ip address masing masing komputer. Sehingga setiap komputer dapat tersambung

- Name Node – Komputer Triyana Dewi Fatmawati

```

GNU nano 7.2 /etc/hosts *
127.0.0.1 localhost

# The following lines are desirable for IPv6 capable hosts
::1 ip6-localhost ip6-loopback
fe00::0 ip6-localnet
ff00::0 ip6-mcastprefix
ff02::1 ip6-allnodes
ff02::2 ip6-allrouters

# Hadoop cluster nodes
192.168.96.158 hadoop-namenode
192.168.96.165 hadoop-datanode1
192.168.96.131 hadoop-datanode2
192.168.96.193 hadoop-datanode3

```

- Data Node 1 – Komputer Shasia Sasa Salsabyala

```

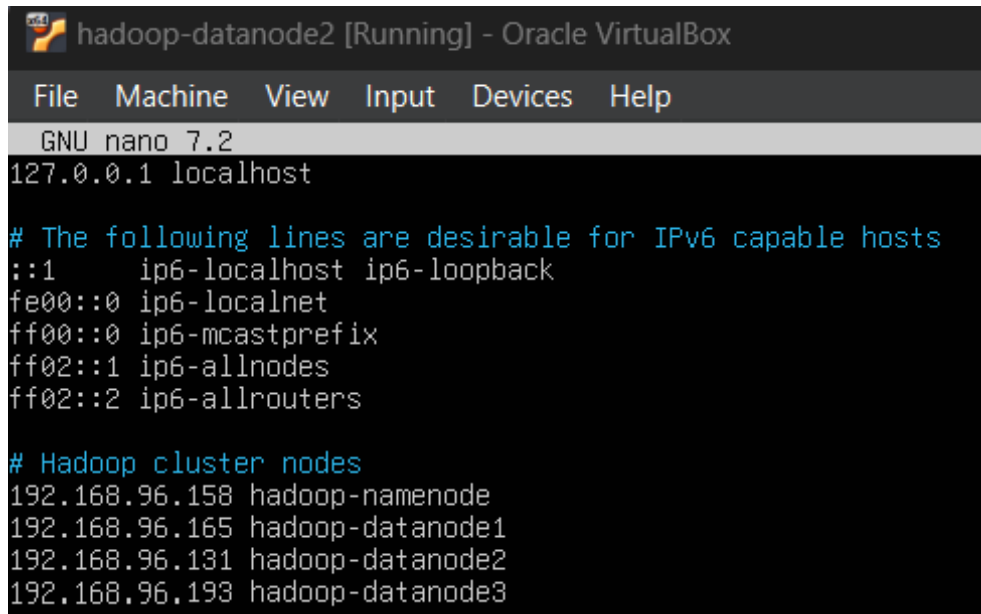
GNU nano 7.2 /etc/hosts *
127.0.0.1 localhost

# The following lines are desirable for IPv6 capable hosts
::1 ip6-localhost ip6-loopback
fe00::0 ip6-localnet
ff00::0 ip6-mcastprefix
ff02::1 ip6-allnodes
ff02::2 ip6-allrouters

# Hadoop cluster nodes
192.168.96.158 hadoop-namenode
192.168.96.165 hadoop-datanode1
192.168.96.131_hadoop-datanode2
192.168.96.193 hadoop-datanode3

```

- Data Node 2 – Komputer Sukma Bagus Wahasdwika

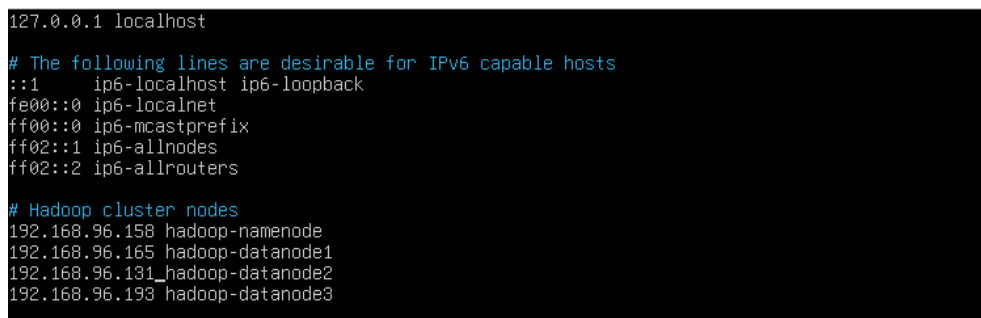


```
hadoop-datanode2 [Running] - Oracle VirtualBox
File Machine View Input Devices Help
GNU nano 7.2
127.0.0.1 localhost

# The following lines are desirable for IPv6 capable hosts
::1          ip6-localhost ip6-loopback
fe00::0      ip6-localnet
ff00::0      ip6-mcastprefix
ff02::1      ip6-allnodes
ff02::2      ip6-allrouters

# Hadoop cluster nodes
192.168.96.158 hadoop-namenode
192.168.96.165 hadoop-datanode1
192.168.96.131 hadoop-datanode2
192.168.96.193 hadoop-datanode3
```

- Data Node 3 – Komputer Yuma Rakha Samodra Sikayo



```
127.0.0.1 localhost

# The following lines are desirable for IPv6 capable hosts
::1          ip6-localhost ip6-loopback
fe00::0      ip6-localnet
ff00::0      ip6-mcastprefix
ff02::1      ip6-allnodes
ff02::2      ip6-allrouters

# Hadoop cluster nodes
192.168.96.158 hadoop-namenode
192.168.96.165 hadoop-datanode1
192.168.96.131_hadoop-datanode2
192.168.96.193 hadoop-datanode3
```

4. Setelah memastikan semua komputer telah melakukan perintah point 3. Lakukan perintah dibawah ini pada komputer NameNode
 - 1) **start-dfs.sh** : Memulai layanan HDFS (NameNode, DataNode, dan Secondary NameNode).
 - 2) **start-yarn.sh** : Memulai layanan YARN (ResourceManager, NodeManager).
 - 3) **Jps** : Mengecek proses Java yang berjalan (memastikan layanan Hadoop seperti NameNode, DataNode, ResourceManager, dan NodeManager aktif).

Name Node – Komputer Triyana Dewi Fatmawati

```
hadoopuser@hadoop-namenode:~$ start-dfs.sh
Starting namenodes on [hadoop-namenode]
Starting datanodes
Starting secondary namenodes [hadoop-namenode]
hadoopuser@hadoop-namenode:~$ start-yarn.sh
Starting resourcemanager
Starting nodemanagers
hadoopuser@hadoop-namenode:~$ jps
1440 SecondaryNameNode
1650 ResourceManager
1235 NameNode
1748 Jps
hadoopuser@hadoop-namenode:~$ _
```

5. Setelah NameNode berhasil melakukan perintah. Selanjutnya setiap komputer DataNode melakukan perintah **jps** untuk memastikan bahwa proses Hadoop seperti DataNode dan NodeManager berjalan dengan benar.

```
hadoopuser@hadoop-datanode1:~$ jps
1188 NodeManager
1036 DataNode
1278 Jps
```

Soal dan Pengerjaan

1. Terhubunglah ke cluster kelompok Anda melalui terminal dari komputer Anda masing-masing.

Pengerjaan:

Dari komputer fisik, buka terminal/cmd dan jalankan perintah SSH **ssh hadoopuser@192.168.96.158** (memakai IP namenode), lalu memasukkan password yaitu **hadoop**. Jika berhasil, prompt terminal akan berubah seperti pengerjaan anggota kelompok kami berikut:

- Name Node – Komputer Triyana Dewi Fatmawati

```
hadoop@hadoop-namenode: X + v
Microsoft Windows [Version 10.0.26100.3322]
(c) Microsoft Corporation. All rights reserved.

C:\Users\TRİYANA DF>ssh hadoop@192.168.96.158
The authenticity of host '192.168.96.158 (192.168.96.158)' can't be established.
ED25519 key fingerprint is SHA256:8jHvtsH6B+JEGxCMxJyq4N7pbcIvsSS+EihbqKH0E.
This host key is known by the following other names/addresses:
C:\Users\TRİYANA DF/.ssh/known_hosts:1: 172.29.247.62
Are you sure you want to continue connecting (yes/no/[fingerprint])? yes
Warning: Permanently added '192.168.96.158' (ED25519) to the list of known hosts.
hadoop@192.168.96.158's password:
Welcome to Ubuntu 24.04.2 LTS (GNU/Linux 6.8.0-53-generic x86_64)

 * Documentation:  https://help.ubuntu.com
 * Management:    https://landscape.canonical.com
 * Support:       https://ubuntu.com/pro

System information as of Tue Mar 11 03:13:09 AM UTC 2025

System load:  0.43          Processes:      113
Usage of /:   63.1% of 9.74GB Users logged in:   1
Memory usage: 69%          IPv4 address for enp0s3: 192.168.96.158
Swap usage:   0%

 * Strictly confined Kubernetes makes edge and IoT secure. Learn how MicroK8s
just raised the bar for easy, resilient and secure K8s cluster deployment.

https://ubuntu.com/engage/secure-kubernetes-at-the-edge

Expanded Security Maintenance for Applications is not enabled.
0 updates can be applied immediately.
Enable ESM Apps to receive additional future security updates.
See https://ubuntu.com/esm or run: sudo pro status

The list of available updates is more than a week old.
To check for new updates run: sudo apt update

Last login: Mon Feb 17 05:58:42 2025 from 192.168.2.161
hadoop@hadoop-namenode:~$
```

- Data Node 1 – Komputer Shasia Sasa Salsabylla

```
hadoop@hadoop-namenode: X + v
C:\Users\acer>ssh hadoop@192.168.96.158
The authenticity of host '192.168.96.158 (192.168.96.158)' can't be established.
ED25519 key fingerprint is SHA256:8jHvtsH6B+JEGxCMxJyq4N7pbcIvsSS+EihbqKH0E.
This host key is known by the following other names/addresses:
C:\Users\acer/.ssh/known_hosts:1: 172.29.247.62
Are you sure you want to continue connecting (yes/no/[fingerprint])? yes
Warning: Permanently added '192.168.96.158' (ED25519) to the list of known hosts.
hadoop@192.168.96.158's password:
Welcome to Ubuntu 24.04.2 LTS (GNU/Linux 6.8.0-53-generic x86_64)

 * Documentation:  https://help.ubuntu.com
 * Management:    https://landscape.canonical.com
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System load:  0.43          Processes:      113
Usage of /:   63.1% of 9.74GB Users logged in:   1
Memory usage: 69%          IPv4 address for enp0s3: 192.168.96.158
Swap usage:   0%

 * Strictly confined Kubernetes makes edge and IoT secure. Learn how MicroK8s
just raised the bar for easy, resilient and secure K8s cluster deployment.

https://ubuntu.com/engage/secure-kubernetes-at-the-edge

Expanded Security Maintenance for Applications is not enabled.
0 updates can be applied immediately.
Enable ESM Apps to receive additional future security updates.
See https://ubuntu.com/esm or run: sudo pro status

The list of available updates is more than a week old.
To check for new updates run: sudo apt update

Last login: Tue Mar 11 03:13:13 2025 from 192.168.96.160
hadoop@hadoop-namenode:~$
```

- Data Node 2 – Komputer Sukma Bagus Wahasdwika

```

C:\Users\sukma bagus>ssh hadoop @192.168.96.158
ssh: Could not resolve hostname hadoop: No such host is known.

C:\Users\sukma bagus>ssh hadoop@192.168.96.158
The authenticity of host '192.168.96.158 (192.168.96.158)' can't be established.
ED25519 key fingerprint is SHA256:BjHvtsHGB+jEGxXCmJXyg4W7pbcsIvsSS+EihqkHOE.
This host key is known by the following other names/addresses:
C:\Users\sukma bagus/.ssh/known_hosts:1: 172.29.247.62
Are you sure you want to continue connecting (yes/no/[fingerprint])? y
Please type 'yes', 'no' or the fingerprint: yes
Warning: Permanently added '192.168.96.158' (ED25519) to the list of known hosts.
hadoop@192.168.96.158's password:
Welcome to Ubuntu 24.04.2 LTS (GNU/Linux 6.8.0-53-generic x86_64)

 * Documentation:  https://help.ubuntu.com
 * Management:    https://landscape.canonical.com
 * Support:        https://ubuntu.com/pro

System information as of Tue Mar 11 03:13:09 AM UTC 2025

System load:  0.43          Processes:      113
Usage of /:   63.1% of 9.74GB Users logged in: 1
Memory usage: 69%          IPv4 address for enp0s3: 192.168.96.158
Swap usage:   0%

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Enable ESM Apps to receive additional future security updates.
See https://ubuntu.com/esm or run: sudo pro status

The list of available updates is more than a week old.
To check for new updates run: sudo apt update

Last login: Tue Mar 11 03:13:34 2025 from 192.168.96.178
hadoop@hadoop-namenode:~$

```

- Data Node 3 – Komputer Yuma Rakha Samodra Sikayo

```

C:\Users\USER>ssh hadoop@192.168.96.158
The authenticity of host '192.168.96.158 (192.168.96.158)' can't be established.
ED25519 key fingerprint is SHA256:BjHvtsHGB+jEGxXCmJXyg4W7pbcsIvsSS+EihqkHOE.
This host key is known by the following other names/addresses:
C:\Users\USER/.ssh/known_hosts:1: 172.29.247.62
Are you sure you want to continue connecting (yes/no/[fingerprint])? yes
Warning: Permanently added '192.168.96.158' (ED25519) to the list of known hosts.
hadoop@192.168.96.158's password:
Welcome to Ubuntu 24.04.2 LTS (GNU/Linux 6.8.0-53-generic x86_64)

 * Documentation:  https://help.ubuntu.com
 * Management:    https://landscape.canonical.com
 * Support:        https://ubuntu.com/pro

System information as of Tue Mar 11 03:13:09 AM UTC 2025

System load:  0.43          Processes:      113
Usage of /:   63.1% of 9.74GB Users logged in: 1
Memory usage: 69%          IPv4 address for enp0s3: 192.168.96.158
Swap usage:   0%

 * Strictly confined Kubernetes makes edge and IoT secure. Learn how MicroK8s
just raised the bar for easy, resilient and secure K8s cluster deployment.

https://ubuntu.com/engage/secure-kubernetes-at-the-edge

Expanded Security Maintenance for Applications is not enabled.

0 updates can be applied immediately.

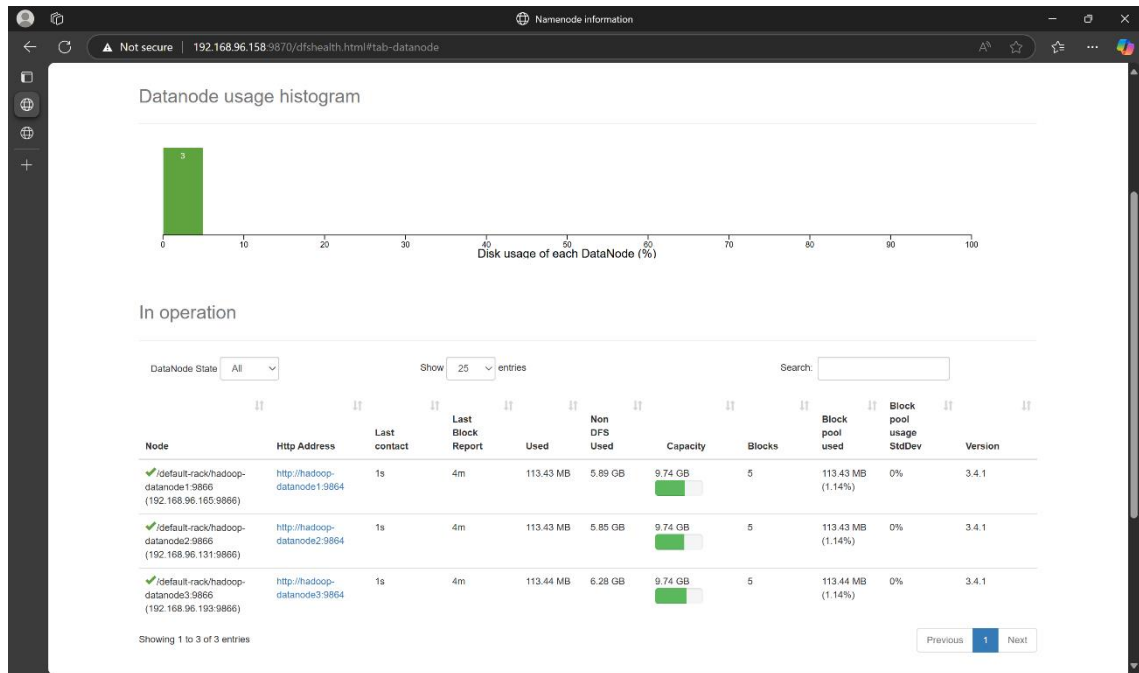
Enable ESM Apps to receive additional future security updates.
See https://ubuntu.com/esm or run: sudo pro status

The list of available updates is more than a week old.
To check for new updates run: sudo apt update

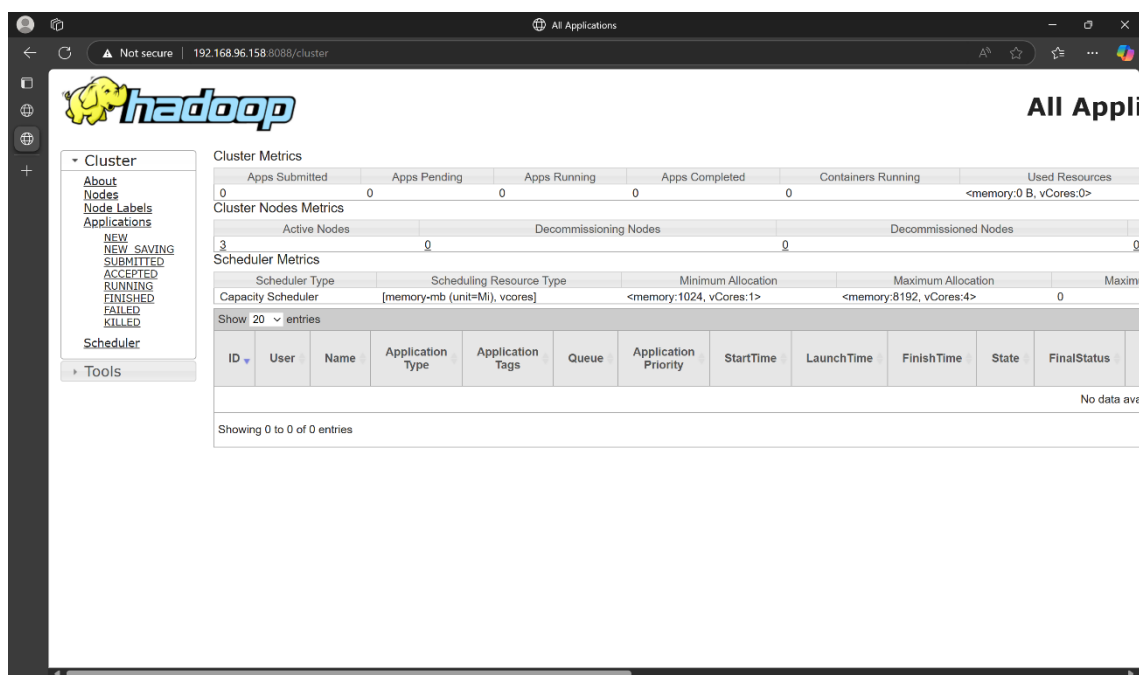
Last login: Tue Mar 11 03:13:13 2025 from 192.168.96.35
hadoop@hadoop-namenode:~$

```

Setelah di cek pada <http://192.168.96.158:9870/dfshealth.html>



Setelah di cek pada <http://192.168.96.158:8088/cluster>



2. Buatlah sebuah direktori di cluster Hadoop kelompok Anda masing-masing, dan beri nama sesuai nomor absen dan nama masing-masing dengan format **NoAbs_NamaLengkap**, sesuai contoh berikut: 13_DanaAnagataNusantara.

Pengerjaan:

Setiap komputer menjalankan perintah **hadoop fs -mkdir /<NamaFolder>** untuk membuat file direktori

- Name Node – Komputer Triyana Dewi Fatmawati

```
hadoop@hadoop-namenode:~$ hadoop fs -mkdir /21_TriyanaDewiFatmawati
```

- Data Node 1 – Komputer Shasia Sasa Salsabyla

```
hadoop@hadoop-namenode:~$ hadoop fs -mkdir /18_ShasiaSasaSalsabyla
```

- Data Node 2 – Komputer Sukma Bagus Wahasdwika

```
hadoop@hadoop-namenode:~$ hadoop fs -mkdir /20_SukmaBagusWahasdwika
```

- Data Node 3 – Komputer Yuma Rakha Samodra Sikayo

```
hadoop@hadoop-namenode:~$ hadoop fs -mkdir /22_YumaRakhaSamodrSikayo
```

Lakukan cek folder, apakah sudah berhasil terbuat, dengan melakukan perintah **hadoop fs -ls /**

```
hadoop@hadoop-namenode:~$ hadoop fs -ls /
Found 5 items
drwxr-xr-x - hadoop      supergroup      0 2025-03-11 04:02 /18_ShasiaSasaSalsabyla
drwxr-xr-x - hadoop      supergroup      0 2025-03-06 09:21 /20_SukmaBagusWahasdwika
drwxr-xr-x - hadoop      supergroup      0 2025-03-06 09:21 /21_TriyanaDewiFatmawati
drwxr-xr-x - hadoop      supergroup      0 2025-03-06 09:22 /22_YumaRakhaSamodraSikayo
drwxr-xr-x - hadoopuser  supergroup      0 2025-02-19 16:50 /yunhasnawa
```

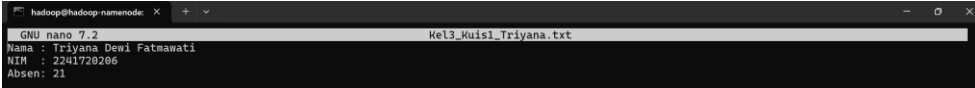
3. Unggahlah file TXT biasa yang berisi nama dan nomor absen Anda serta informasi lain yang tidak privat ke folder Anda masing-masing.

Pengerjaan:

Langkah awal yaitu membuat file TXT dengan melakukan perintah **nano <NamaFile>.txt** lalu isi file tersebut dengan nama, nim, dan absensi pada komputer setiap anggota.

- Name Node – Komputer Triyana Dewi Fatmawati


```
hadoop@hadoop-namenode:~$ nano Kel3_Kuis1_Triyana.txt
```



GNU nano 7.2 Kel3_Kuis1_Triyana.txt
Nama : Triyana Dewi Fatmawati
NIM : 2241720206
Absen: 21

- Data Node 1 – Komputer Shasia Sasa Salsabyala


```
hadoop@hadoop-namenode:~$ nano Kel3_Kuis1_Shasia.txt
```



GNU nano 7.2 Kel3_Kuis1_Shasia.txt *
Nama: Shasia Sasa Salsabyala
NIM: 2241720029
No. Absen: 18|

- Data Node 2 – Komputer Sukma Bagus Wahasdwika

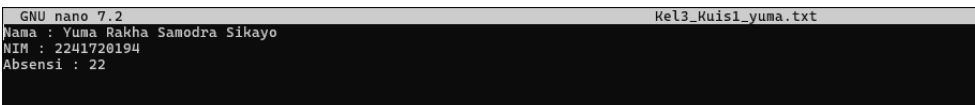
```
hadoop@hadoop-namenode:~$ nano Kel3_Kuis1_Bagus.txt
```



GNU nano 7.2 Kel3_Kuis1_Bagus.txt *
Nama : Sukma Bagus Wahasdwika
NIM : 2241720223
Absensi : 20|

- Data Node 3 – Komputer Yuma Rakha Samodra Sikayo

```
hadoop@hadoop-namenode:~$ nano Kel3_Kuis1_yuma.txt
```



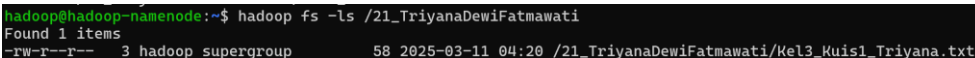
GNU nano 7.2 Kel3_Kuis1_yuma.txt
Nama : Yuma Rakha Samodra Sikayo
NIM : 2241720194
Absensi : 22

Setelah file berhasil terbuat, upload file TXT tersebut menuju folder yang telah dibuat. Dengan perintah **hadoop fs -put <NamaFile>.txt /< NamaFolderTujuan> .** Setelah berhasil, lakukan cek apakah file tersebut berhasil diunggah dengan perintah **hadoop fs -ls /< NamaFolder>**

- Name Node – Komputer Triyana Dewi Fatmawati

```
hadoop@hadoop-namenode:~$ hadoop fs -put Kel3_Kuis1_Triyana.txt /21_TriyanaDewiFatmawati
```

```
hadoop@hadoop-namenode:~$ hadoop fs -ls /21_TriyanaDewiFatmawati
```



Found 1 items
-rw-r--r-- 3 hadoop supergroup 58 2025-03-11 04:20 /21_TriyanaDewiFatmawati/Kel3_Kuis1_Triyana.txt

- Data Node 1 – Komputer Shasia Sasa Salsabyla

```
hadoop@hadoop-namenode:~$ hadoop fs -put Kel3_Kuis1_Shasia.txt /18_ShasiaSasaSalsabyla
hadoop@hadoop-namenode:~$ hadoop fs -ls /18_ShasiaSasaSalsabyla
Found 1 items
-rw-r--r-- 3 hadoop supergroup 58 2025-03-11 04:02 /18_ShasiaSasaSalsabyla/Kel3_Kuis1_Shasia.txt
```

- Data Node 2 – Komputer Sukma Bagus Wahasdwika

```
hadoop@hadoop-namenode:~$ hadoop fs -put Kel3_Kuis1_Bagus.txt /20_SukmaBagusWahasdwika
hadoop@hadoop-namenode:~$ hadoop fs -ls /20_SukmaBagusWahasdwika
Found 1 items
-rw-r--r-- 3 hadoop supergroup 60 2025-03-11 04:22 /20_SukmaBagusWahasdwika/Kel3_Kuis1_Bagus.txt
hadoop@hadoop-namenode:~$
```

- Data Node 3 – Komputer Yuma Rakha Samodra Sikayo

```
hadoop@hadoop-namenode:~$ hadoop fs -put Kel3_Kuis1_yuma.txt /22_YumaRakhaSamodraSikayo
hadoop@hadoop-namenode:~$ hadoop fs -ls /22_YumaRakhaSamodraSikayo
Found 1 items
-rw-r--r-- 3 hadoop supergroup 64 2025-03-11 04:21 /22_YumaRakhaSamodraSikayo/Kel3_Kuis1_yuma.txt
hadoop@hadoop-namenode:~$
```

Kesimpulan

Setelah seluruh anggota kelompok berhasil melakukan langkah langkah praktikum diatas. Hasil direktori ataupun file dapat dilihat pada <http://192.168.108.158:9870/explorer.html#/> . Link ini akan menampilkan file dan direktori yang tersimpan pada cluster namenode.

Browse Directory

Search:

Permission	Owner	Group	Size	Last Modified	Replication	Block Size	Name
drwxr-xr-x	hadoop	supergroup	0 B	Mar 11 11:02	0	0 B	18_ShasiaSasaSalsabyla
drwxr-xr-x	hadoop	supergroup	0 B	Mar 11 11:25	0	0 B	20_SukmaBagusWahasdwika
drwxr-xr-x	hadoop	supergroup	0 B	Mar 11 11:23	0	0 B	21_TriyanaDewiFatmawati
drwxr-xr-x	hadoop	supergroup	0 B	Mar 11 11:31	0	0 B	22_YumaRakhaSamodraSikayo
drwxr-xr-x	hadoop	supergroup	0 B	Mar 11 14:01	0	0 B	Kelompok3_Ti3D
drwxr-xr-x	hadoopuser	supergroup	0 B	Feb 19 23:50	0	0 B	yunhasnawa

Showing 1 to 6 of 6 entries

Previous 1 Next

Hadoop, 2024.