

LAPORAN KUIS 1
MATA KULIAH BIG DATA



Dosen Pengampu:

M. Hasyim Ratsanjani, S.Kom., M.Kom.

Disusun Oleh:

Shasia Sasa Salsabyla	NIM. 2241720029
Sukma Bagus Wahasdwika	NIM. 2241720223
Triyana Dewi Fatmawati	NIM. 2241720206
Yuma Rakha Samodra Sikayo	NIM. 2241720194

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

Bagian 1 : Mengunduh VM Hadoop Polinema

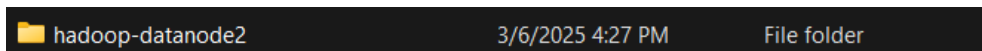
- Name Node – Komputer Triyana Dewi Fatmawati



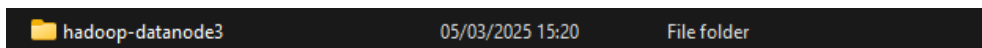
- Data Node 1 – Komputer Shasia Sasa Salsabya



- 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

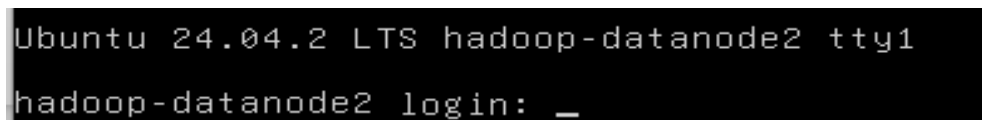
- Name Node – Komputer Triyana Dewi Fatmawati



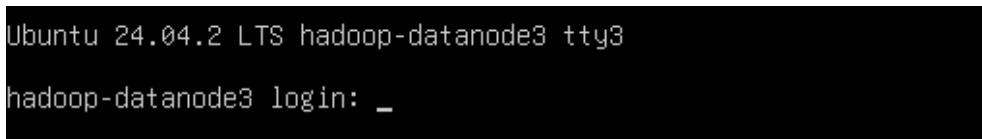
- Data Node 1 – Komputer Shasia Sasa Salsabya



- 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 Salsabya : **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

```

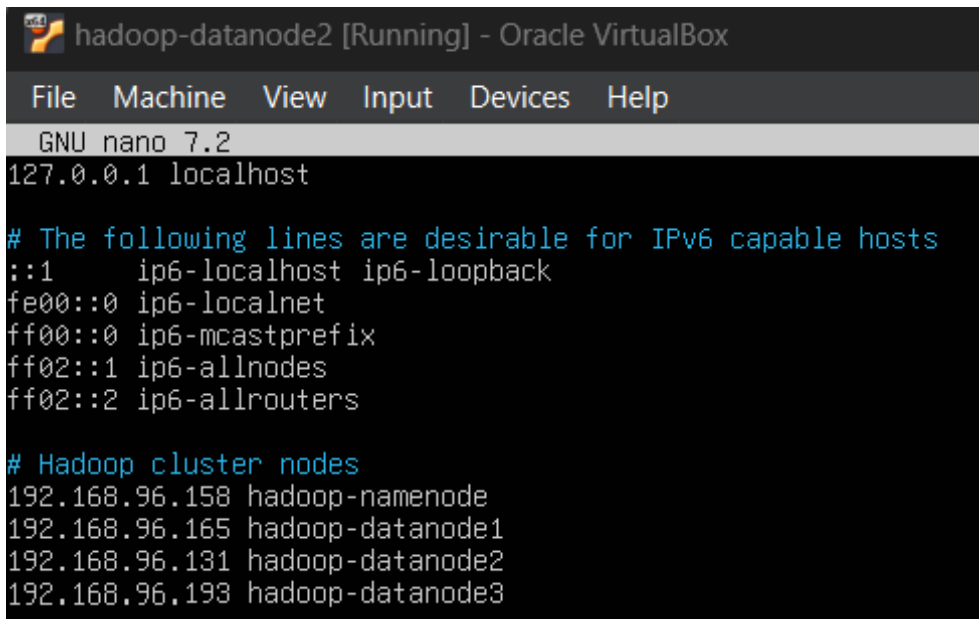
GNU nano 7.2 /etc/hosts *
127.0.0.1 localhost

# 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

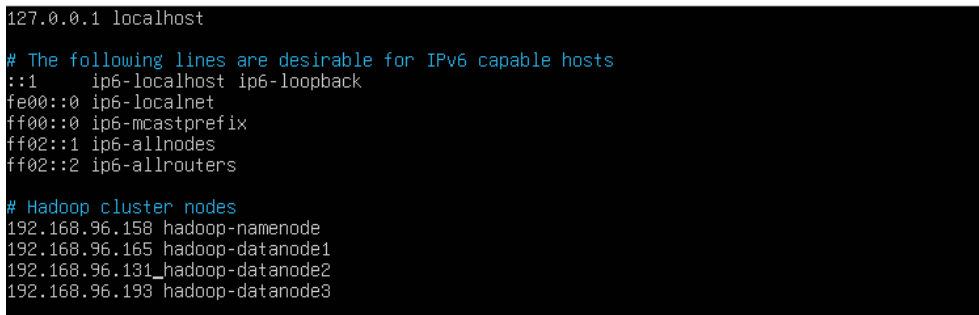


```
hadoop-datanode2 [Running] - Oracle VirtualBox
File Machine View Input Devices Help
GNU nano 7.2
127.0.0.1 localhost

# 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: ~$ ssh hadoop@192.168.96.158
Microsoft Windows [Version 10.0.26100.3323]
(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:BjHvtsH6B+JEGxXCmJXyq4N7pbcsvs5S+Eih0qKH0E.
This host key is known by the following other names/addresses:
C:\Users\TRİYANA DF\.ssh\known_hosts:1: 192.29.247.62
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 apt update

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: ~$ ssh hadoop@192.168.96.158
C:\Users\lacer>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:BjHvtsH6B+JEGxXCmJXyq4N7pbcsvs5S+Eih0qKH0E.
This host key is known by the following other names/addresses:
C:\Users\lacer\.ssh\known_hosts:1: 192.29.247.62
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 apt update

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:BJHVtsH6B+jEGxXCmJXyg4N7pbcsIvsS5+Eih8qkHOE.
This host key is known by the following other names/addresses:
  C:\Users\sukma bagus/.ssh/known_hosts:1: 192.29.247.62
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%

 * 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 03:13:34 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:BJHVtsH6B+jEGxXCmJXyg4N7pbcsIvsS5+Eih8qkHOE.
This host key is known by the following other names/addresses:
  C:\Users\USER/.ssh/known_hosts:1: 192.29.247.62
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.

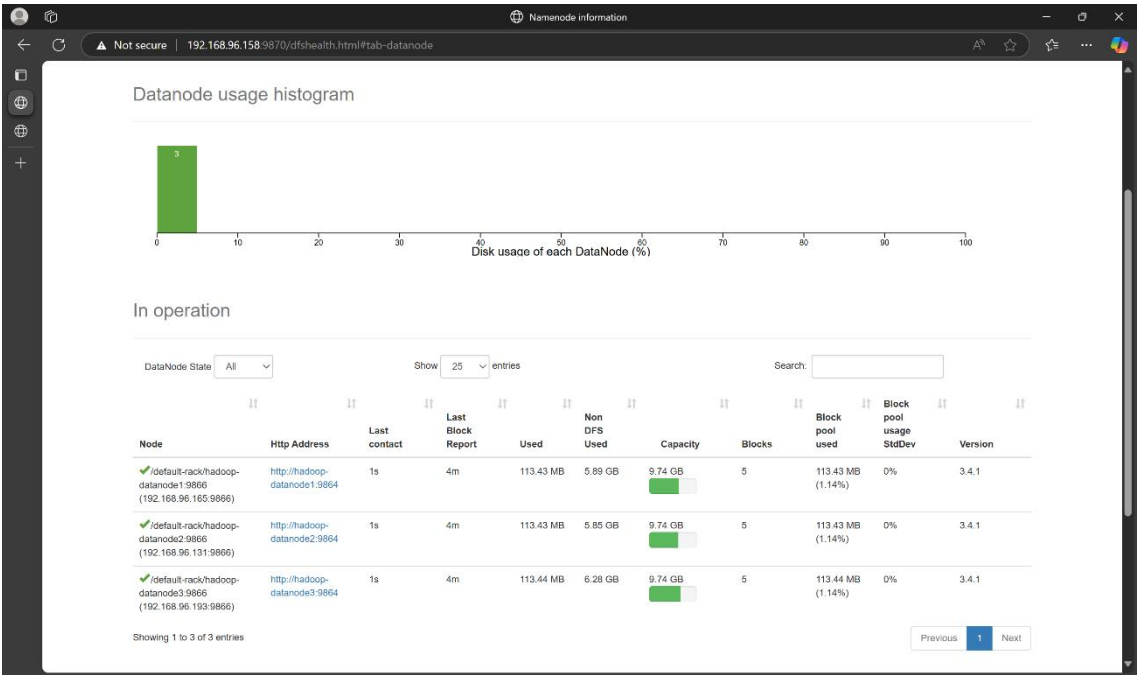
0 updates can be applied immediately.

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

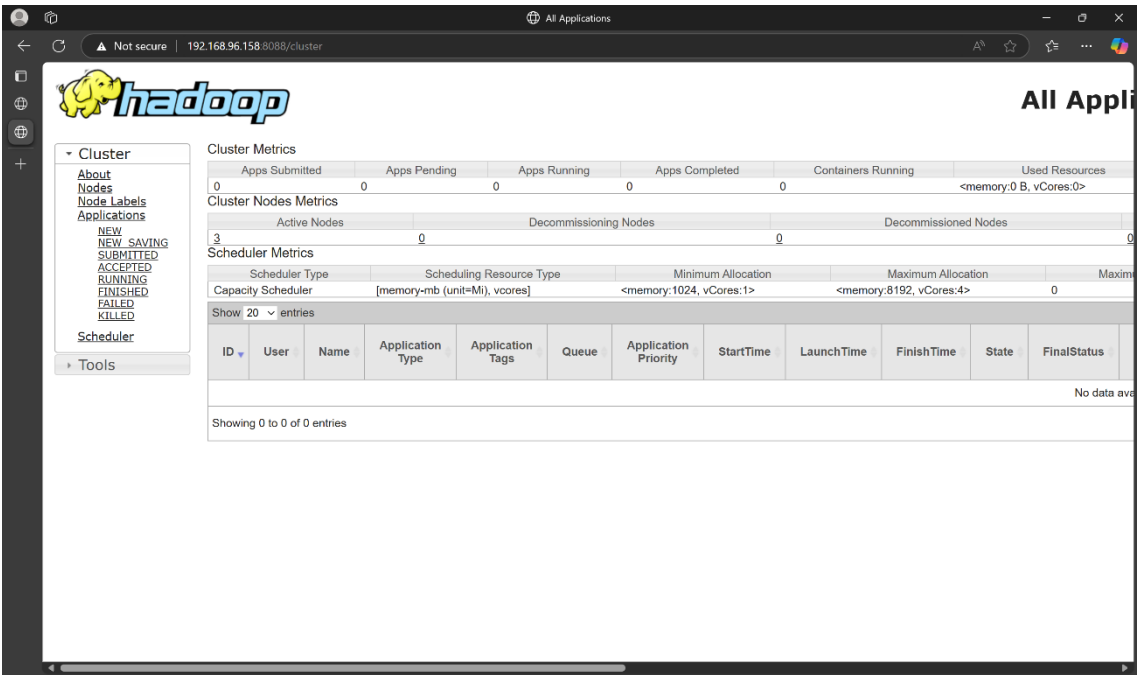
The list of available updates is more than a week old.
To check for new updates run: sudo apt update

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
```

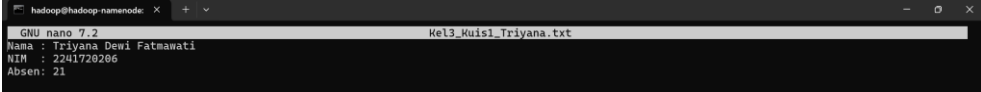
3. Unggahlah file TXT biasa yang berisi nama dan nomor absen Anda serta informasi lain yang tidak privat ke folder Anda masing-masing.

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
```



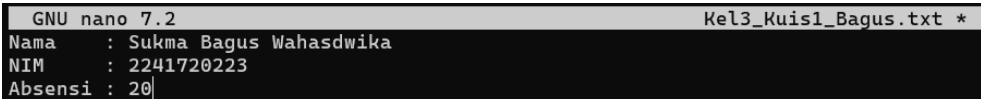
- Data Node 1 – Komputer Shasia Sasa Salsabya

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



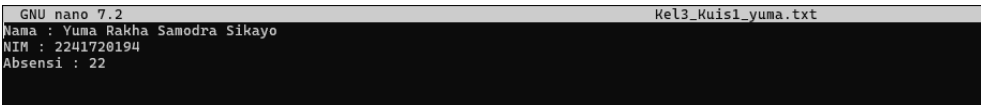
- Data Node 2 – Komputer Sukma Bagus Wahasdwika

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



- Data Node 3 – Komputer Yuma Rakha Samodra Sikayo

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

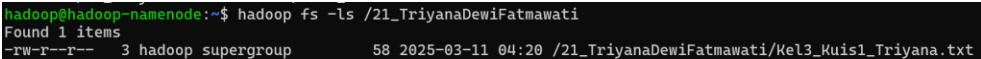


Setelah file berhasil terbuat, upload file TXT tersebut menuju folder yang telah dibuat. Dengan perintah **hadoop fs -put <NamaFile>.txt /< NamaFolderTujuan> .** Setelah berhasil, lakukan cek apakah file tersebut berhasil diunggah dengan perintah **hadoop fs -ls /< NamaFolder>**

- 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
```



- 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.