

**LAPORAN JOBSHEET**  
**BIG DATA**



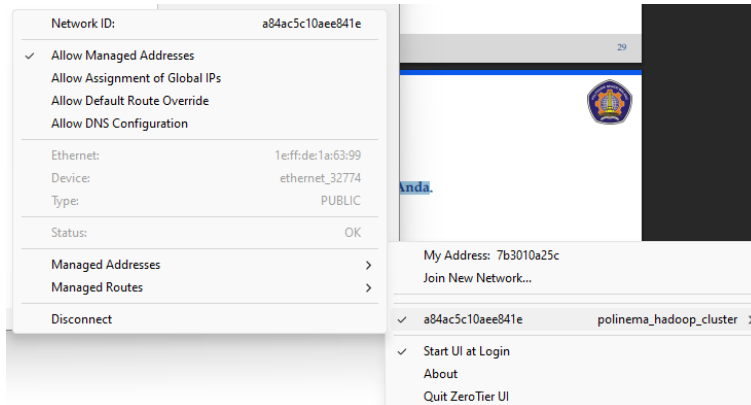
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**PRODI D-IV SISTEM INFORMASI BISNIS**  
**JURUSAN TEKNOLOGI INFORMASI**  
**POLITEKNIK NEGERI MALANG**  
**TAHUN 2025/2026**

Tugas :

- Terhubung ke cluster Hadoop.
- Jalankan 3 perintah dasar tadi.

### Terhubung ke vpn



### Menjalankan 3 perintah

- Hadoop version

```
hadoopuser@hadoop-namenode:~$ hadoop version
Hadoop 3.4.1
Source code repository https://github.com/apache/hadoop.git -r 4d7825309348956336b8f06a08322b78422849b1
Compiled by mthakur on 2024-10-09T14:57Z
Compiled on platform linux-x86_64
Compiled with protoc 3.23.4
From source with checksum 7292fe9dba5e2e44e3a9f763f3e3e680
This command was run using /usr/local/hadoop/share/hadoop/common/hadoop-common-3.4.1.jar
```

Digunakan untuk melihat version dari hadoop yang dijalankan

- Hadoop jps

```
hadoopuser@hadoop-namenode:~$ jps
36914 Jps
1699 SecondaryNameNode
1878 ResourceManager
1455 NameNode
```

Untuk menampilkan jps,namenode,resourceManager dan secondaryNameNode

- Hadoop fs -mkdir /SIB-3E

```
hadoopuser@hadoop-namenode:~$ hadoop fs -mkdir /SIB-3E
```

Digunakan untuk membuat folder direktori kelas

- Hadoop fs -mkdir /SIB-3E/12\_FikriSetiawan

```
hadoopuser@hadoop-namenode:~$ hadoop fs -mkdir /FikriSetiawan
```

Digunakan untuk membuat folder di direktori kelas

- Hadoop fs -ls /SIB-3E

```
hadoopuser@hadoop-namenode:~$ hadoop fs -ls /SIB-3E
Found 11 items
drwxr-xr-x - hadoopuser supergroup 0 2025-03-11 04:49 /SIB-3E/03_AgtaFadjrinAminullah
drwxr-xr-x - hadoopuser supergroup 0 2025-03-11 04:57 /SIB-3E/04_AgungNugroho
drwxr-xr-x - hadoopuser supergroup 0 2025-03-11 04:48 /SIB-3E/05_Al baniRajataMalik
drwxr-xr-x - hadoopuser supergroup 0 2025-03-11 04:59 /SIB-3E/09_FitriaNurSholikhah
drwxr-xr-x - hadoopuser supergroup 0 2025-03-11 04:51 /SIB-3E/10_HertinNurhayati
drwxr-xr-x - hadoopuser supergroup 0 2025-03-11 04:47 /SIB-3E/11_HilmyZakyy
drwxr-xr-x - hadoopuser supergroup 0 2025-03-11 04:47 /SIB-3E/12_FikriSetiawan
drwxr-xr-x - hadoopuser supergroup 0 2025-03-11 04:51 /SIB-3E/16_RegaDaneWijayanta
drwxr-xr-x - hadoopuser supergroup 0 2025-03-11 04:57 /SIB-3E/18_SyavaApriliaP
drwxr-xr-x - hadoopuser supergroup 0 2025-03-11 04:46 /SIB-3E/19_ZanuarAldiSyahputra
drwxr-xr-x - hadoopuser supergroup 0 2025-03-11 04:59 /SIB-3E/MuhammadIvanYodaBellamy
```

Digunakan untuk melihat isi dari direktori kelas SIB-3E