KUIS 1 BIG DATA

Disusun untuk Memenuhi Nilai Kuis Mata Kuliah Big Data Yang dibina oleh Bapak Vipkas Al Hadid Firdaus, ST,.MT



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PROGRAM STUDI SISTEM INFORMASI BISNIS JURUSAN TEKNOLOGI INFORMASI POLITEKNIK NEGERI MALANG 2024

KUIS 1 BIG DATA

Terhubung dengan cluster

```
# Hadoop cluster nodes
192.168.10.158 hadoop-namenode
192.168.10.165 hadoop-datanode1
192.168.2.217 hadoop-datanode2
192.168.10.193 hadoop-datanode3
```

1. Hasil IP dalam satu network

2. Hasil Setting IP (Namenode, datanode1, dan datanode3)

3. Cek JPS dan buat file NoAbsn NamaLengkap

4. Impor file txt ke hadoop

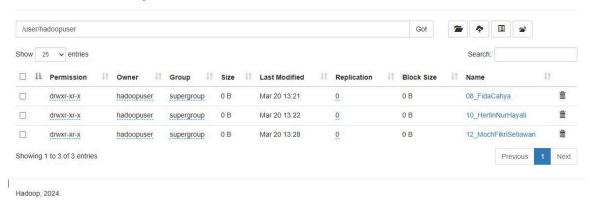
```
PS C:\Users\qamin> scp "C:\Users\qamin\Downloads\Nama Moch Fikri Setiawan.txt" hadoopuser@192.168.10.
165:~/fikri.txt
The authenticity of host '192.168.10.165 (192.168.10.165)' can't be established.
ED25519 key fingerprint is SHA256:BjHVtsH6B+jEGxXCmJXyg4N7pbcsIvsSS+Eih0qkH0E.
This host key is known by the following other names/addresses:
    C:\Users\gamin/.ssh/known_hosts:1: 172.29.247.62
Are you sure you want to continue connecting (yes/no/[fingerprint])?
Warning: Permanently added '192.168.10.165' (ED25519) to the list of known hosts.
hadoopuser@192.168.10.165's password:
Nama Moch Fikri Setiawan.txt
                                                                                           1.9KB/s 00:00
PS C:\Users\gamin> scp "C:\Users\gamin\Downloads\Fida Cahya.txt" hadoopuser@192.168.10.165:~/fida.txt hadoopuser@192.168.10.165's password:
Fida Cahya.txt
                                                                           100% 32
                                                                                           2.8KB/s 00:00
PS C:\Users\gamin> scp "C:\Users\gamin\Downloads\Hertin Nur hayati.txt" hadoopuser@192.168.10.165:~/he
rtin.txt
hadoopuser@192.168.10.165's password:
Hertin Nur hayati.txt
                                                                           100% 39
                                                                                           3.5KB/s 00:00
PS C:\Users\gamin>
```

5. Mengunggah file ke direktori menggunakan metode put dan membaca file menggunakan metode cat

```
fida.txt fikri.txt hertin.txt profil-jti-polinema.mp4
hadoopuser@hadoop-namenode: $ hdfs dfs -put fida.txt /user/hadoopuser/08_FidaCahya
hadoopuser@hadoop-namenode: $ hdfs dfs -put hertin.txt /user/hadoopuser/10_HertinNurHayati
hadoopuser@hadoop-namenode: $ hdfs dfs -cat /user/hadoopuser/12_MochFikriSetiawan/fikri.txt
Nama: Fida Cahya
No Absen: 08hadoopuser@hadoop-namenode: cat /user/hadoopuser/08_FidaCahya/fida.txt
Nama: Fida Cahya
No Absen: 08hadoopuser@hadoop-namenode: $
hadoopuser@hadoop-namenode: $ hdfs dfs -rm /user/hadoopuser/12_MochFikriSetiawan/fikri.txt
Deleted /user/hadoopuser/12_MochFikriSetiawan/fikri.txt
hadoopuser@hadoop-namenode: $ hdfs dfs -put fikri.txt /user/hadoopuser/12_MochFikriSetiawan/
hadoopuser@hadoop-namenode: $ hdfs dfs -cat /user/hadoopuser/12_MochFikriSetiawan/fikri.txt
Nama: Moch Fikri Setiawan
No Absen: 12hadoopuser@hadoop-namenode: $ hdfs dfs -cat /user/hadoopuser/10_HertinNurHayati/hertin.txt
Nama: Hertin Nur Hayati
No Absen: 10hadoopuser@hadoop-namenode: $ _
```

6. Hasil di browser hadoop

Browse Directory



7. Hasil Upload file

Browse Directory

