

KUIS 1
BIG DATA



Disusun Oleh:

Angelia Anna P.R	2241760016
Dimas Rosyidin	2241760054
Muhammad Khasbul Hadi Fauzan	2241760039
Muhammad Ivan Yoda Bellamy	2241760094
Rega Dane Wijayanta	2241760113

PROGRAM STUDI D4 SISTEM INFORMASI BISNIS
JURUSAN TEKNOLOGI INFORMASI
POLITEKNIK NEGERI MALANG
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Laporan Kuis 1 - Big Data

1. ip addr

```
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 172.20.10.5/28 metric 100 brd 172.20.10.15 scope global dynamic enp0s3
        valid_lft 1944sec preferred_lft 1944sec
    inet6 2400:9800:701:3aea:a00:27ff:febf:7afa/64 scope global mngtmpaddr noprefixroute
        valid_lft forever preferred_lft forever
    inet6 fe80::a00:27ff:febf: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:~$
```

2. hosts

```
GNU nano 7.2 /etc/hosts
127.0.0.1 localhost

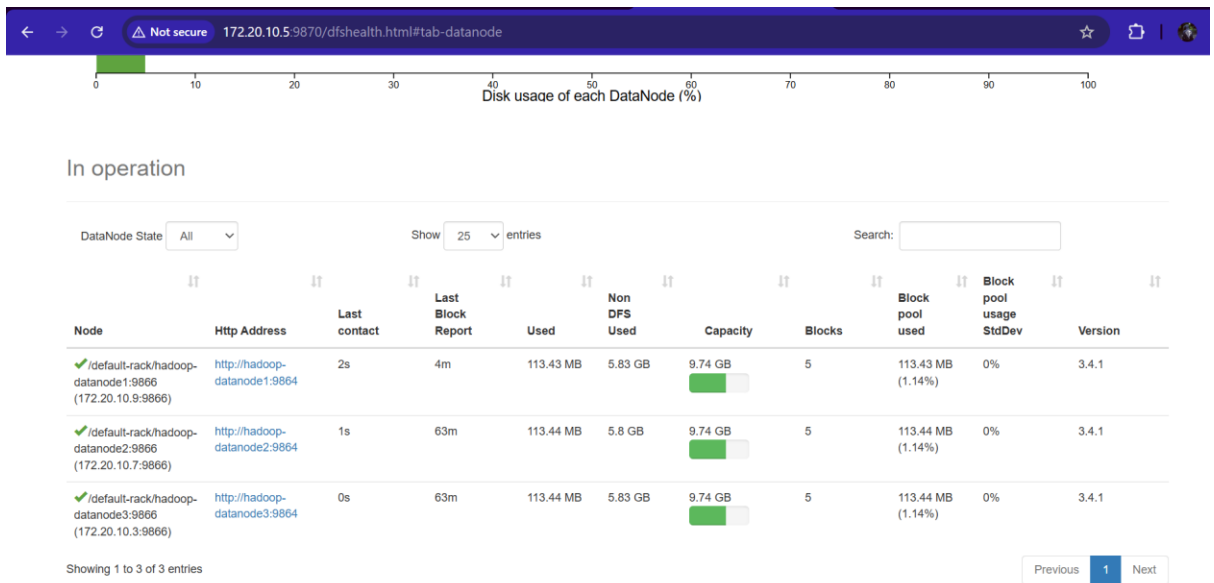
# The following lines are desirable for IPv6 capable hosts
::1 ip6-localhost ip6-loopback
fe00::0 ip6-localnet
ff00::0 ip6-mcastprefix
ff02::1 ip6-allnodes
ff02::2 ip6-allrouters

# Hadoop cluster nodes
172.20.10.5 hadoop-namenode
172.20.10.9 hadoop-datanode1
172.20.10.7 hadoop-datanode2
172.20.10.3 hadoop-datanode3
```

3. start-dfs.sh, start-yarn.sh, jps

```
hadoopuser@hadoop-namenode:~$ start-dfs.sh
Starting namenodes on [hadoop-namenode]
hadoop-namenode: namenode is running as process 1117. Stop it first and ensure /tmp/hadoop-hadoopuser-namenode.pid file is empty before retry.
pdsh@hadoop-namenode: hadoop-namenode: ssh exited with exit code 1
Starting datanodes
hadoop-datanode3: datanode is running as process 1400. Stop it first and ensure /tmp/hadoop-hadoopuser-datanode.pid file is empty before retry.
pdsh@hadoop-namenode: hadoop-datanode3: ssh exited with exit code 1
hadoop-datanode2: datanode is running as process 3905. Stop it first and ensure /tmp/hadoop-hadoopuser-datanode.pid file is empty before retry.
pdsh@hadoop-namenode: hadoop-datanode2: ssh exited with exit code 1
hadoop-datanode1: datanode is running as process 1031. Stop it first and ensure /tmp/hadoop-hadoopuser-datanode.pid file is empty before retry.
pdsh@hadoop-namenode: hadoop-datanode1: ssh exited with exit code 1
Starting secondary namenodes [hadoop-namenode]
hadoop-namenode: secondarynamenode is running as process 1324. Stop it first and ensure /tmp/hadoop-hadoopuser-secondarynamenode.pid file is empty before retry.
pdsh@hadoop-namenode: hadoop-namenode: ssh exited with exit code 1
hadoopuser@hadoop-namenode:~$ start-yarn.sh
Starting resourcemanager
resourcemanager is running as process 1524. Stop it first and ensure /tmp/hadoop-hadoopuser-resourcemanager.pid file is empty before retry.
Starting nodemanagers
hadoop-datanode3: nodemanager is running as process 1813. Stop it first and ensure /tmp/hadoop-hadoopuser-nodemanager.pid file is empty before retry.
pdsh@hadoop-namenode: hadoop-datanode3: ssh exited with exit code 1
hadoop-datanode1: nodemanager is running as process 1553. Stop it first and ensure /tmp/hadoop-hadoopuser-nodemanager.pid file is empty before retry.
pdsh@hadoop-namenode: hadoop-datanode1: ssh exited with exit code 1
hadoop-datanode2: nodemanager is running as process 5206. Stop it first and ensure /tmp/hadoop-hadoopuser-nodemanager.pid file is empty before retry.
pdsh@hadoop-namenode: hadoop-datanode2: ssh exited with exit code 1
hadoopuser@hadoop-namenode:~$ jps
6688 Jps
1524 ResourceManager
1324 SecondaryNameNode
1117 NameNode
hadoopuser@hadoop-namenode:~$
```

4. Cek Datanode



5. Direktori berhasil dibuat

Hadoop Overview Datanodes Datanode Volume Failures Snapshot Startup Progress Utilities

Browse Directory

/user/hadoopuser Go!

Show: 25 entries Search:

Permission	Owner	Group	Size	Last Modified	Replication	Block Size	Name
drwxr-xr-x	hadoopuser	supergroup	0 B	Mar 20 13:25	0	0 B	06_AngeliaAnnaPutriRazali
drwxr-xr-x	hadoopuser	supergroup	0 B	Mar 20 13:24	0	0 B	07_DimasRosyidin
drwxr-xr-x	hadoopuser	supergroup	0 B	Mar 20 13:24	0	0 B	13_MuhammadYdvanYodaBellamy
drwxr-xr-x	hadoopuser	supergroup	0 B	Mar 20 13:43	0	0 B	14_MuhammadKhasbulHadiFauzan
drwxr-xr-x	hadoopuser	supergroup	0 B	Mar 20 13:23	0	0 B	16_RegaDaneWijayanta

Showing 1 to 5 of 5 entries

Previous 1 Next

Hadoop, 2024.

6. File terupload

Hadoop Overview Datanodes Datanode Volume Failures Snapshot Startup Progress Utilities

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/user/hadoopuser/16_RegaDaneWijayanta Go!

Show: 25 entries Search:

Permission	Owner	Group	Size	Last Modified	Replication	Block Size	Name
-rw-r--r--	hadoopuser	supergroup	57 B	Mar 20 13:23	3	128 MB	Dane.txt

Showing 1 to 1 of 1 entries

Previous 1 Next

Hadoop, 2024.

←→↻⚠ Not secure172.20.10.5:9870/explorer.html#/user/hadoopuser/06_AngeliaAnnaPutriRazali☆🔗👤⋮

HadoopOverviewDatanodesDatanode Volume FailuresSnapshotStartup ProgressUtilities ▾

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Show25▼ entriesSearch:

<input type="checkbox"/>	👤 Permission	⇅ Owner	⇅ Group	⇅ Size	⇅ Last Modified	⇅ Replication	⇅ Block Size	⇅ Name	⇅
<input type="checkbox"/>	-rw-r--r--	hadoopuser	supergroup	63 B	Mar 20 13:25	3	128 MB	Angelia.txt	🗑

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Hadoop, 2024.

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<input type="checkbox"/>	-rw-r--r--	hadoopuser	supergroup	52 B	Mar 20 13:24	3	128 MB	Dimas.txt	🗑

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Hadoop, 2024.

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HadoopOverviewDatanodesDatanode Volume FailuresSnapshotStartup ProgressUtilities ▾

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<input type="checkbox"/>	-rw-r--r--	hadoopuser	supergroup	65 B	Mar 20 13:24	3	128 MB	Ydvan.txt	🗑

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Hadoop, 2024.

Browse Directory

/user/hadoopuser/14_MuhammadKhasbulHadiFauzan

Go!

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25 ▾

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Search:

<input type="checkbox"/>	🔧	Permission	⬆⬆	Owner	⬆⬆	Group	⬆⬆	Size	⬆⬆	Last Modified	⬆⬆	Replication	⬆⬆	Block Size	⬆⬆	Name	⬆⬆
<input type="checkbox"/>		-rw-r--r--		hadoopuser		supergroup		66 B		Mar 20 13:43		3		128 MB		Fauzan.txt	🗑

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