

Rega Dane Wijayanta

SIB 3E / 16

2241760113

Kelompok 3

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

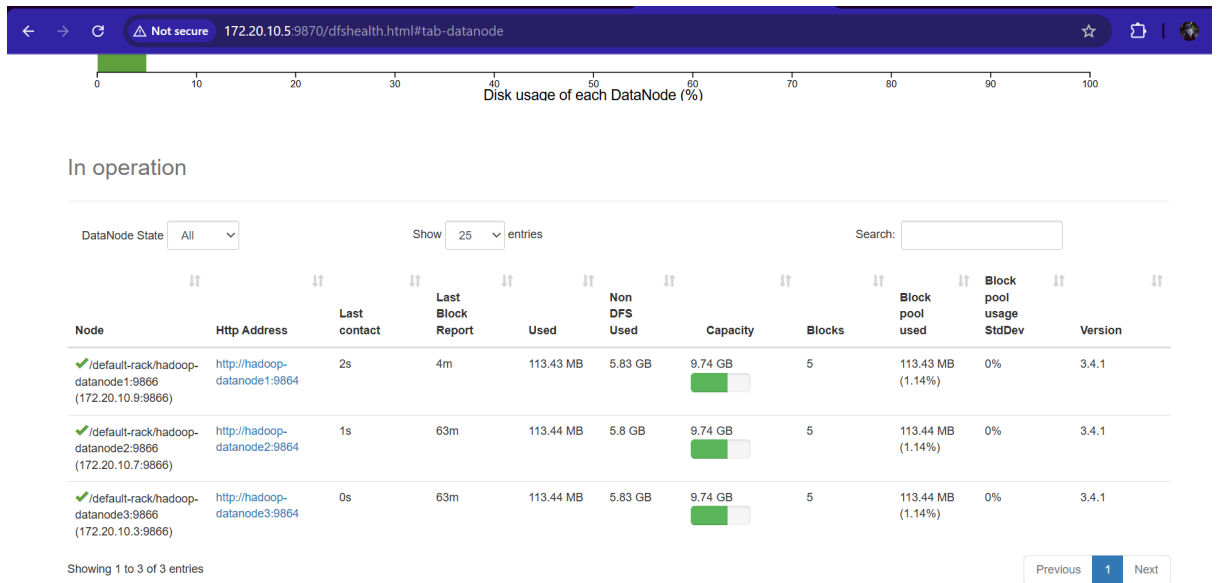
# The following lines are desirable for IPv6 capable hosts
::1 ip6-localhost ip6-loopback
fe00::0 ip6-localnet
ff00::0 ip6-mcastprefix
ff02::1 ip6-allnodes
ff02::2 ip6-allrouters

# 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

The screenshot shows the Hadoop Explorer page in a web browser. The address bar indicates the URL is `172.20.10.5:9870/explorer.html#/user/hadoopuser`. The page has a navigation bar with links to Hadoop, Overview, Datanodes, Datanode Volume Failures, Snapshot, Startup Progress, and Utilities. The main content area is titled "Browse Directory" and shows a directory listing for the user `hadoopuser`. The directory listing includes a search bar, a "Show 25 entries" indicator, and a table of files. The table has columns for Permission, Owner, Group, Size, Last Modified, Replication, Block Size, and Name. Five files are listed, all with a permission of `drwxr-xr-x` and a size of 0 B. The files are named `06_AngeliaAnnaPutriRazali`, `07_DimasRosyidin`, `13_MuhammadYdvanYodaBellamy`, `14_MuhammadKhasbulHadiFauzan`, and `16_RegaDaneWijayanta`. The page also includes a "Showing 1 to 5 of 5 entries" indicator and a "Previous 1 Next" navigation bar.

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

6. File terupload

The screenshot shows the Hadoop Explorer page in a web browser. The address bar indicates the URL is `172.20.10.5:9870/explorer.html#/user/hadoopuser/16_RegaDaneWijayanta`. The page has a navigation bar with links to Hadoop, Overview, Datanodes, Datanode Volume Failures, Snapshot, Startup Progress, and Utilities. The main content area is titled "Browse Directory" and shows a directory listing for the user `hadoopuser`. The directory listing includes a search bar, a "Show 25 entries" indicator, and a table of files. One file is listed with a permission of `-rw-r--r--`, a size of 57 B, and a last modified date of Mar 20 13:23. The file is named `Dane.txt`. The page also includes a "Showing 1 to 1 of 1 entries" indicator and a "Previous 1 Next" navigation bar.

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

Browse Directory

/user/hadoopuser/06_AngeliaAnnaPutriRazali

Go!

📁

📄

📄

📄

Show

25 ▾

entries

Search:

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

Showing 1 to 1 of 1 entries

Previous

1

Next

Hadoop, 2024.

Browse Directory

/user/hadoopuser/07_DimasRosyidin

Go!

📁

📄

📄

📄

Show

25 ▾

entries

Search:

<input type="checkbox"/>	<div>📄</div> Permission	<div>⇅</div> Owner	<div>⇅</div> Group	<div>⇅</div> Size	<div>⇅</div> Last Modified	<div>⇅</div> Replication	<div>⇅</div> Block Size	<div>⇅</div> Name	<div>⇅</div>
<input type="checkbox"/>	-rw-r--r--	hadoopuser	supergroup	52 B	Mar 20 13:24	3	128 MB	Dimas.txt	🗑

Showing 1 to 1 of 1 entries

Previous

1

Next

Hadoop, 2024.

Browse Directory

/user/hadoopuser/13_MuhammadYdvanYodaBellamy

Go!

📁

📄

📄

📄

Show

25 ▾

entries

Search:

<input type="checkbox"/>	<div>📄</div> Permission	<div>⇅</div> Owner	<div>⇅</div> Group	<div>⇅</div> Size	<div>⇅</div> Last Modified	<div>⇅</div> Replication	<div>⇅</div> Block Size	<div>⇅</div> Name	<div>⇅</div>
<input type="checkbox"/>	-rw-r--r--	hadoopuser	supergroup	65 B	Mar 20 13:24	3	128 MB	Ydvan.txt	🗑

Showing 1 to 1 of 1 entries

Previous

1

Next

Hadoop, 2024.

Browse Directory

/user/hadoopuser/14_MuhammadKhasbulHadiFauzan

Go!

📁

📄

📄

📄

Show

25

▼

entries

Search:

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

Showing 1 to 1 of 1 entries

Previous

1

Next