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# **JOBSHEET 7**

## **HADOOP MULTICLUSTER**

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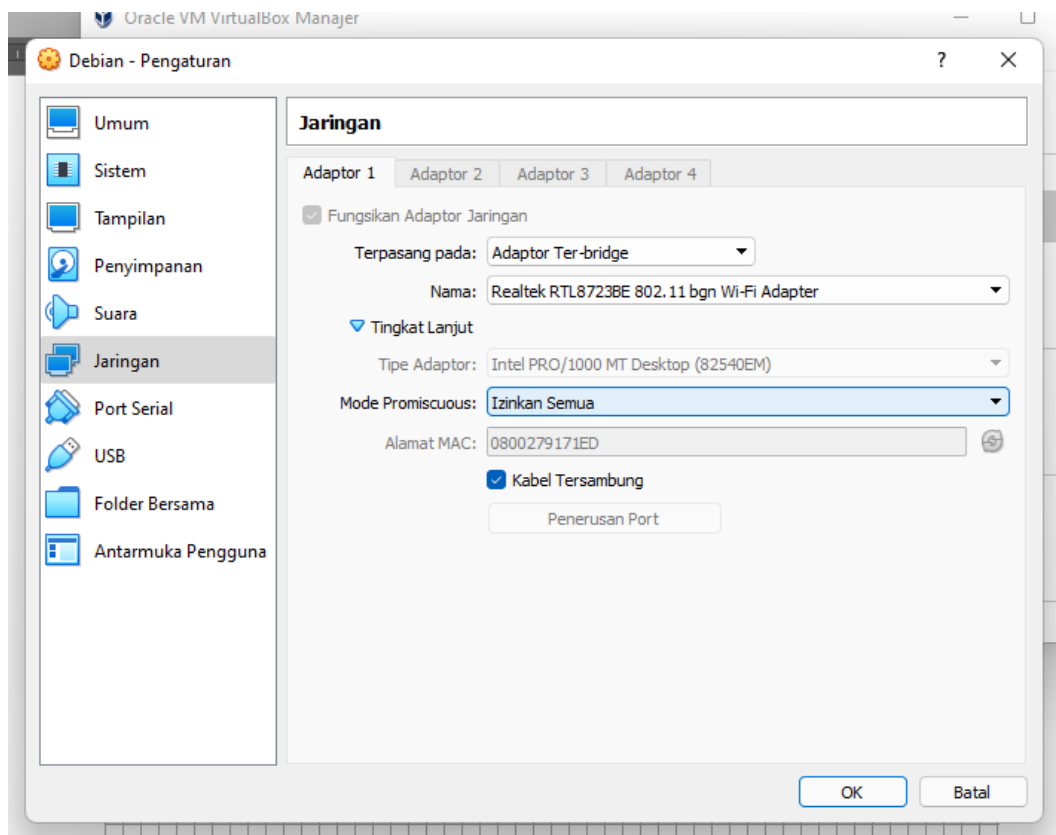
Arranged By:

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**PROGRAM STUDI D-IV TEKNIK INFORMATIKA**  
**JURUSAN TEKNOLOGI INFORMASI**  
**POLITEKNIK NEGERI MALANG**



## 1. Konfigurasi Jaringan di VM



## 2. Instalasi SSH dan Konfigurasi SSH

```
rjndrkha@developer: ~  
Setting up openssh-sftp-server (1:8.9p1-3) ...  
Setting up openssh-server (1:8.9p1-3) ...  
  
Creating config file /etc/ssh/sshd_config with new version  
Creating SSH2 RSA key; this may take some time ...  
3072 SHA256:cxJ08mcUY0b8bm76vG0bFAIPGIFQFSAFqsocPPg6hXA root@developer (RSA)  
Creating SSH2 ECDSA key; this may take some time ...  
256 SHA256:2gGCSHM+zsiuJE529ATEy0Qz0kNk12qh3HvdWBjx7A root@developer (ECDSA)  
Creating SSH2 ED25519 key; this may take some time ...  
256 SHA256:vVVtgcRyZnk16kpcGbySYWdzBJPyjWnOTYqxXg5AWQs root@developer (ED25519)  
Created symlink /etc/systemd/system/ssh.service → /lib/systemd/system/ssh.servi  
ce.  
Created symlink /etc/systemd/system/multi-user.target.wants/ssh.service → /lib/s  
ystemd/system/ssh.service.  
rescue-ssh.target is a disabled or a static unit, not starting it.  
ssh.socket is a disabled or a static unit, not starting it.  
Setting up ssh-import-id (5.11-0ubuntu1) ...  
Setting up ncurses-term (6.3-2) ...  
Setting up ssh (1:8.9p1-3) ...  
Processing triggers for man-db (2.10.2-1) ...  
Processing triggers for ufw (0.36.1-4build1) ...  
rjndrkha@developer:~$
```

```
rjndrkha@developer:~$ ssh-keygen -t rsa -P -f  
Generating public/private rsa key pair.  
Enter file in which to save the key (/home/rjndrkha/.ssh/id_rsa):  
Your identification has been saved in /home/rjndrkha/.ssh/id_rsa  
Your public key has been saved in /home/rjndrkha/.ssh/id_rsa.pub  
The key's fingerprint is:  
SHA256:0FxxLUDfWg9YozupFVFCRZqZYvry7DaZMzLu9D2/o rjndrkha@developer  
The key's randomart image is:  
+---[RSA 3072]-----+  
|  
| ..o0BoB|  
| . ++o@o|  
| o . =o* o|  
| . o o ..+=|  
| o So B= .|  
| *o*..|  
| =.o o o|  
| . . + .|  
| .o+E|  
+----[SHA256]-----+  
rjndrkha@developer:~$
```

```
rjndrkha@developer:~$ cat ~/.ssh/id_rsa.pub >> ~/.ssh/authorized_keys  
rjndrkha@developer:~$ chmod 0600 ~/.ssh/authorized_keys  
rjndrkha@developer:~$ ssh localhost  
Welcome to Ubuntu 22.04 LTS (GNU/Linux 5.15.0-27-generic x86_64)  
  
* Documentation: https://help.ubuntu.com  
* Management: https://landscape.canonical.com  
* Support: https://ubuntu.com/advantage  
  
0 updates can be applied immediately.  
  
Last login: Wed Apr 27 18:52:10 2022 from 127.0.0.1  
rjndrkha@developer:~$
```



### 3. Instalasi JDK 8

```
rjndrkha@developer:~$ java -version
openjdk version "1.8.0_312"
OpenJDK Runtime Environment (build 1.8.0_312-8u312-b07-0ubuntu1-b07)
OpenJDK 64-Bit Server VM (build 25.312-b07, mixed mode)
rjndrkha@developer:~$
```

### 4. Download & Configuration Hadoop

- Konfigurasi home direktori java untuk Hadoop

```
##
## {YARN_xyz|HDFS_xyz} > HADOOP_xyz > hard-coded defaults
##

# Many of the options here are built from the perspective that users
# may want to provide OVERWRITING values on the command line.
# For example:
#
export JAVA_HOME=/usr/lib/jvm/java-8-openjdk-amd64/
#
# Therefore, the vast majority (BUT NOT ALL!) of these defaults
# are configured for substitution and not append. If append
^G Help      ^O Write Out ^W Where Is  ^K Cut       ^T Execute  ^C Location
^X Exit      ^R Read File ^_ Replace   ^U Paste     ^J Justify  ^_ Go To Line
```

- Pindahkan folder Hadoop ke /usr/local/hadoop

```
rjndrkha@Developer:~$ sudo mv hadoop /usr/local/hadoop
[sudo] password for rjndrkha:
rjndrkha@Developer:~$
```

- Tambahkan path untuk Hadoop dan Java

```
rjndrkha@Developer: ~
GNU nano 6.2 /etc/environment *
PATH="/usr/local/sbin:/usr/local/bin:/usr/sbin:/usr/bin:/sbin:/bin:/usr/games:/usr/local/games:/usr/local/hadoop"
JAVA_HOME="/usr/lib/jvm/java-8-openjdk-amd64/jre"
```

- Menambah user hadoopuser

```
rjndrkha@Developer:~$ sudo adduser hadoopuser
Adding user 'hadoopuser' ...
Adding new group 'hadoopuser' (1001) ...
Adding new user 'hadoopuser' (1001) with group 'hadoopuser' ...
Creating home directory '/home/hadoopuser' ...
Copying files from '/etc/skel' ...
New password:
BAD PASSWORD: The password fails the dictionary check - it is based on a dictionary word
Retype new password:
passwd: password updated successfully
Changing the user information for hadoopuser
Enter the new value, or press ENTER for the default
  Full Name []:
    Room Number []:
    Work Phone []:
    Home Phone []:
    Other []:
Is the information correct? [Y/n] y
rjndrkha@Developer:~$
```



- Membuat Nama Group

```
rjndrkha@Developer:~$ sudo usermod -aG hadoopuser hadoopuser
rjndrkha@Developer:~$ sudo chown hadoopuser:root -R /usr/local/hadoop/
rjndrkha@Developer:~$ sudo adduser hadoopuser sudo
Adding user 'hadoopuser' to group 'sudo' ...
Adding user hadoopuser to group sudo
Done.
rjndrkha@Developer:~$
```

- Mapping name node dan data node

```
rjndrkha@Developer: ~
Unpacking net-tools (1.60+git20181103.0eebece-1ubuntu5) ...
Setting up net-tools (1.60+git20181103.0eebece-1ubuntu5) ...
Processing triggers for man-db (2.10.2-1) ...
rjndrkha@Developer:~$ ifconfig
enp0s3: flags=4163<UP,BROADCAST,RUNNING,MULTICAST> mtu 1500
    inet 192.168.1.13 netmask 255.255.255.0 broadcast 192.168.1.255
    inet6 fe80::71bd:f3a:2e42:ee27 prefixlen 64 scopeid 0x20<link>
    ether 08:00:27:35:96:0a txqueuelen 1000 (Ethernet)
    RX packets 501438 bytes 722186841 (722.1 MB)
    RX errors 0 dropped 0 overruns 0 frame 0
    TX packets 247142 bytes 16766532 (16.7 MB)
    TX errors 0 dropped 0 overruns 0 carrier 0 collisions 0

lo: flags=73<UP,LOOPBACK,RUNNING> mtu 65536
    inet 127.0.0.1 netmask 255.0.0.0
    inet6 ::1 prefixlen 128 scopeid 0x10<host>
    loop txqueuelen 1000 (Local Loopback)
    RX packets 17727 bytes 1601992 (1.6 MB)
    RX errors 0 dropped 0 overruns 0 frame 0
    TX packets 17727 bytes 1601992 (1.6 MB)
    TX errors 0 dropped 0 overruns 0 carrier 0 collisions 0

rjndrkha@Developer:~$
```

IPADDR : 192.168.1.13

```
GNU nano 6.2 /etc/hosts *
127.0.0.1 localhost
127.0.1.1 Developer

192.168.1.13 Developer
192.168.1.14 data-node
192.168.1.15 data-node

# 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
```

- Clone VM name-node





- Konfigurasi hostname

```
Activities Terminal Apr 27 23:47
rjndrkha@hadoop-dataname: ~
rjndrkha@hadoop-dataname:~$ cat /etc/hostname
hadoop-dataname
rjndrkha@hadoop-dataname:~$
```

```
TX packets 155 bytes 13691 (13.6 KB)
TX errors 0 dropped 0 overruns 0 carrier 0 co
0
rjndrkha@hadoop-datanode2:~$ cat /etc/hostname
cat: /etc/hostname: No such file or directory
rjndrkha@hadoop-datanode2:~$ cat /etc/hostname
hadoop-datanode2
rjndrkha@hadoop-datanode2:~$
```

```
rjndrkha@hadoop-datanode1:~$ cat /etc/hostname
hadoop-datanode1
rjndrkha@hadoop-datanode1:~$
```

- Konfigurasi IP baru pada semua vm

```
rjndrkha@hadoop-dataname: ~
GNU nano 6.2 /etc/hosts *
127.0.0.1 localhost
127.0.1.1 Developer

192.168.1.13 hadoop-dataname
192.168.1.15 data-node1
192.168.1.14 data-node2

# 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
```

```
rjndrkha@hadoop-datanode2: ~
GNU nano 6.2 /etc/hosts *
127.0.0.1 localhost
127.0.1.1 Developer

192.168.1.13 hadoop-dataname
192.168.1.15 data-node1
192.168.1.14 data-node2

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

```
rjndrkha@hadoop-datanode1: ~
GNU nano 6.2 /etc/hosts *
127.0.0.1 localhost
127.0.1.1 Developer

192.168.1.13 hadoop-dataname
192.168.1.15 data-node1
192.168.1.14 data-node2

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





## 5. Konfigurasi User Hadoop

```
hadoopuser@hadoop-dataname: ~  
rjndrkha@hadoop-dataname:~$ su - hadoopuser  
Password:  
To run a command as administrator (user "root"), use "sudo <command>".  
See "man sudo_root" for details.  
hadoopuser@hadoop-dataname:~$
```

### Generating SSH KEY

```
hadoopuser@hadoop-dataname:~$ ssh-keygen -t rsa  
Generating public/private rsa key pair.  
Enter file in which to save the key (/home/hadoopuser/.ssh/id_rsa):  
Created directory '/home/hadoopuser/.ssh'.  
Enter passphrase (empty for no passphrase):  
Enter same passphrase again:  
Your identification has been saved in /home/hadoopuser/.ssh/id_rsa  
Your public key has been saved in /home/hadoopuser/.ssh/id_rsa.pub  
The key fingerprint is:  
SHA256:026AxyFFMsUS+8o7u0JsLXaD00kxxPgTz8NoXZURyXs hadoopuser@hadoop-dataname  
The key's randomart image is:  
+---[RSA 3072]---+  
|         +.o.o=         |  
|         .+o =         |  
|        o .o . .       |  
|       .o. .o . E      |  
|      .= X =.S.        |  
|     +o%.@.+ .        |  
|    .*o+o+ .o         |  
|   .. .. ...         |  
|  .++ ..             |  
+----[SHA256]-----+  
hadoopuser@hadoop-dataname:~$
```

### COPY SSH KEY

```
+----[SHA256]-----+  
hadoopuser@hadoop-dataname:~$ ssh-copy-id hadoopuser@hadoop-dataname  
/usr/bin/ssh-copy-id: INFO: Source of key(s) to be installed: "/home/hadoopuser/.ssh/id_rsa.pub"  
The authenticity of host 'hadoop-dataname (192.168.1.13)' can't be established.  
ED25519 key fingerprint is SHA256:e/KXVne/6R1zKlawpxUjw8TCiDILWy1X1ARPGTfoYDE.  
This key is not known by any other names  
Are you sure you want to continue connecting (yes/no/[fingerprint])? yes  
/usr/bin/ssh-copy-id: INFO: attempting to log in with the new key(s), to filter  
out any that are already installed  
/usr/bin/ssh-copy-id: INFO: 1 key(s) remain to be installed -- if you are promp  
ted now it is to install the new keys  
hadoopuser@hadoop-dataname's password:
```

```
hadoopuser@hadoop-dataname:~$ ssh-copy-id hadoopuser@hadoop-datanode1  
/usr/bin/ssh-copy-id: INFO: Source of key(s) to be installed: "/home/hadoopuser/.ssh/id_rsa.pub"  
The authenticity of host 'hadoop-datanode1 (192.168.1.15)' can't be established  
ED25519 key fingerprint is SHA256:e/KXVne/6R1zKlawpxUjw8TCiDILWy1X1ARPGTfoYDE.  
This host key is known by the following other names/addresses:  
  ~/.ssh/known_hosts:1: [hashed name]  
Are you sure you want to continue connecting (yes/no/[fingerprint])? yes  
/usr/bin/ssh-copy-id: INFO: attempting to log in with the new key(s), to filter  
out any that are already installed  
/usr/bin/ssh-copy-id: INFO: 1 key(s) remain to be installed -- if you are promp  
ted now it is to install the new keys  
hadoopuser@hadoop-datanode1's password:  
  
Number of key(s) added: 1  
  
Now try logging into the machine, with: "ssh 'hadoopuser@hadoop-datanode1'"  
and check to make sure that only the key(s) you wanted were added.  
hadoopuser@hadoop-dataname:~$
```

```
hadoopuser@hadoop-dataname:~$ ssh-copy-id hadoopuser@hadoop-datanode2  
/usr/bin/ssh-copy-id: INFO: Source of key(s) to be installed: "/home/hadoopuser/.ssh/id_rsa.pub"  
The authenticity of host 'hadoop-datanode2 (192.168.1.14)' can't be established  
ED25519 key fingerprint is SHA256:e/KXVne/6R1zKlawpxUjw8TCiDILWy1X1ARPGTfoYDE.  
This host key is known by the following other names/addresses:  
  ~/.ssh/known_hosts:1: [hashed name]  
  ~/.ssh/known_hosts:4: [hashed name]  
Are you sure you want to continue connecting (yes/no/[fingerprint])? yes  
/usr/bin/ssh-copy-id: INFO: attempting to log in with the new key(s), to filter  
out any that are already installed  
/usr/bin/ssh-copy-id: INFO: 1 key(s) remain to be installed -- if you are promp  
ted now it is to install the new keys  
hadoopuser@hadoop-datanode2's password:  
  
Number of key(s) added: 1  
  
Now try logging into the machine, with: "ssh 'hadoopuser@hadoop-datanode2'"  
and check to make sure that only the key(s) you wanted were added.
```



## 6. Konfigurasi Hadoop

- Konfigurasi file core-site.xml

```
<!-- Put site-specific property overrides in this file. -->

<configuration>
<property>
  <name>fs.defaultFS</name>
  <value>hdfs://hadoop-dataname:9000</value>
</property>
</configuration>
```

- Konfigurasi lokasi direktori data Hadoop dan jumlah cluster

```
<configuration>
<property>
  <name>dfs.namenode.name.dir</name>
  <value>/usr/local/hadoop/data/nameNode</value>
</property>
<property>
  <name>dfs.datanode.data.dir</name>
  <value>/usr/local/hadoop/data/dataNode</value>
</property>
<property>
  <name>dfs.replication</name>
  <value>2</value>
</property>
</configuration>
```

- Konfigurasi mengatur nama worker datanode yang digunakan pada file workers

```
GNU nano 6.2 /usr/local/
localhost

hadoop-datanode1
hadoop-datanode2
```

- Copy Konfigurasi ke semua cluster

```
hadoopuser@hadoop-dataname:~$ scp /usr/local/hadoop/etc/hadoop/* hadoop-datanode1:/usr/local/hadoop/etc/hadoop/
capacity-scheduler.xml      100% 9213   266.3KB/s   00:00
configuration.xml           100% 1335    33.1KB/s   00:00
container-executor.cfg      100% 2567    1.0MB/s   00:00
core-site.xml               100% 869     690.7KB/s  00:00
hadoop-env.cmd              100% 3999     2.1MB/s   00:00
hadoop-env.sh               100% 16KB   402.0KB/s  00:00
hadoop-metrics2.properties  100% 3321    1.8MB/s   00:00
hadoop-policy.xml           100% 11KB    6.7MB/s   00:00
hadoop-user-functions.sh.example 100% 3414    1.0MB/s   00:00
hdfs-rbf-site.xml           100% 683     183.5KB/s  00:00
hdfs-site.xml               100% 1065    749.3KB/s  00:00
https-env.sh                100% 1484    767.5KB/s  00:00
https-log4j.properties      100% 1657    977.3KB/s  00:00
https-site.xml              100% 620     408.9KB/s  00:00
kms-acls.xml                100% 3518     2.1MB/s   00:00
kms-env.sh                  100% 1351    163.0KB/s  00:00
kms-log4j.properties        100% 1860    593.8KB/s  00:00
kms-site.xml                100% 682     497.4KB/s  00:00
log4j.properties            100% 13KB    757.2KB/s  00:00
mapred-env.cmd              100% 951     377.6KB/s  00:00
mapred-env.sh               100% 1764    466.6KB/s  00:00
mapred-queues.xml.template  100% 4113     2.3MB/s   00:00
mapred-site.xml             100% 758     441.1KB/s  00:00
/usr/local/hadoop/etc/hadoop/shellprofile.d: not a regular file
ssl-client.xml.example       100% 2316    1.1MB/s   00:00
ssl-server.xml.example       100% 2697    1.0MB/s   00:00
user_ec_policies.xml.template 100% 2681    1.7MB/s   00:00
workers                      100% 45      38.8KB/s   00:00
yarn-env.cmd                 100% 2250    64.1KB/s   00:00
yarn-env.sh                  100% 6329    3.2MB/s   00:00
yarnservice-log4j.properties 100% 2591    1.6MB/s   00:00
yarn-site.xml                100% 690     86.7KB/s   00:00
hadoopuser@hadoop-dataname:~$
```



```
hadoopuser@hadoop-dataname: ~  
hadoopuser@hadoop-dataname:~$ scp /usr/local/hadoop/etc/hadoop/* hadoop-datanode2:/usr/local/hadoop/etc/hadoop/  
capacity-scheduler.xml 100% 9213 644.7KB/s 00:00  
configuration.xml 100% 1335 204.0KB/s 00:00  
container-executor.cfg 100% 2567 2.2MB/s 00:00  
core-site.xml 100% 869 812.4KB/s 00:00  
hadoop-env.cmd 100% 3999 783.3KB/s 00:00  
hadoop-env.sh 100% 16KB 1.9MB/s 00:00  
hadoop-metrics2.properties 100% 3321 2.2MB/s 00:00  
hadoop-policy.xml 100% 11KB 9.2MB/s 00:00  
hadoop-user-functions.sh.example 100% 3414 2.6MB/s 00:00  
hdfs-rbf-site.xml 100% 683 606.6KB/s 00:00  
hdfs-site.xml 100% 1065 1.0MB/s 00:00  
https-env.sh 100% 1484 1.3MB/s 00:00  
https-log4j.properties 100% 1657 1.2MB/s 00:00  
https-site.xml 100% 620 530.5KB/s 00:00  
kms-acls.xml 100% 3518 1.0MB/s 00:00  
kms-env.sh 100% 1351 1.3MB/s 00:00  
kms-log4j.properties 100% 1860 1.7MB/s 00:00  
kms-site.xml 100% 682 659.6KB/s 00:00  
log4j.properties 100% 13KB 6.1MB/s 00:00  
mapred-env.cmd 100% 951 393.0KB/s 00:00  
mapred-env.sh 100% 1764 1.3MB/s 00:00  
mapred-queues.xml.template 100% 4113 3.2MB/s 00:00  
mapred-site.xml 100% 758 759.0KB/s 00:00  
/usr/local/hadoop/etc/hadoop/shellprofile.d: not a regular file  
ssl-client.xml.example 100% 2316 1.7MB/s 00:00  
ssl-server.xml.example 100% 2697 2.0MB/s 00:00  
user_ec_policies.xml.template 100% 2681 961.0KB/s 00:00  
workers 100% 45 34.9KB/s 00:00  
yarn-env.cmd 100% 2250 1.7MB/s 00:00  
yarn-env.sh 100% 6329 4.3MB/s 00:00  
yarnservice-log4j.properties 100% 2591 2.1MB/s 00:00  
yarn-site.xml 100% 690 563.5KB/s 00:00  
hadoopuser@hadoop-dataname:~$
```

- Code agar mengalami perubahan pada environment

```
Try: sudo apt install <deb name>  
hadoopuser@hadoop-dataname:/usr/local/hadoop/bin$ cd  
hadoopuser@hadoop-dataname:~$ /usr/local/hadoop/bin/hadoop namenode -format  
WARNING: Use of this script to execute namenode is deprecated.  
WARNING: Attempting to execute replacement "hdfs namenode" instead.  
  
WARNING: /usr/local/hadoop/logs does not exist. Creating.  
2022-04-28 01:20:56,100 INFO namenode.NameNode: STARTUP_MSG:  
/*****  
STARTUP_MSG: Starting NameNode  
STARTUP_MSG: host = hadoop-dataname/127.0.1.1  
STARTUP_MSG: args = [-format]  
STARTUP_MSG: version = 3.3.2  
STARTUP_MSG: classpath = /usr/local/hadoop/etc/hadoop:/usr/local/hadoop/share/hadoop/common/lib/hadoop-auth-3.3.2.jar:/usr/local/hadoop/sha  
re/hadoop/common/lib/jackson-xc-1.9.13.jar:/usr/local/hadoop/share/hadoop/common/lib/kerb-common-1.0.1.jar:/usr/local/hadoop/share/hadoop/com  
mon/lib/metrics-core-3.2.4.jar:/usr/local/hadoop/share/hadoop/common/lib/jetty-xml-9.4.43.v20210629.jar:/usr/local/hadoop/share/hadoop/common  
/lib/javaservlet-api-3.1.0.jar:/usr/local/hadoop/share/hadoop/common/lib/commons-codec-1.11.jar:/usr/local/hadoop/share/hadoop/common/lib/j
```

- Menjalankan Hadoop

```
hadoopuser@hadoop-dataname:/usr/local/hadoop/sbin$ source $HOME/.bashrc  
hadoopuser@hadoop-dataname:/usr/local/hadoop/sbin$ start-dfs.sh  
Starting namenodes on [hadoop-dataname]  
Starting datanodes  
localhost: Warning: Permanently added 'localhost' (ED25519) to the list of known hosts.  
hadoop-datanode2: WARNING: /usr/local/hadoop/logs does not exist. Creating.  
hadoop-datanode1: WARNING: /usr/local/hadoop/logs does not exist. Creating.  
Starting secondary namenodes [hadoop-dataname]  
hadoopuser@hadoop-dataname:/usr/local/hadoop/sbin$
```





## 7. RESULT

Hadoop

Overview

Datanodes

Datanode Volume Failures

Snapshot

Startup Progress

Utilities ▾

## Overview 'hadoop-dataname:9000' (✓active)

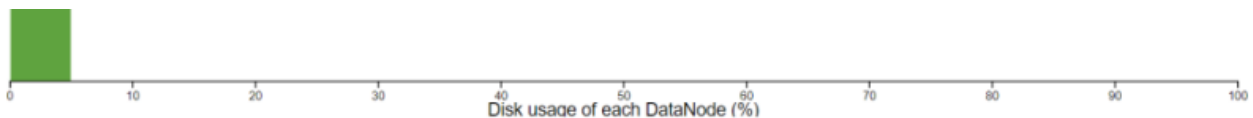
Started:	Mon Apr 25 22:35:56 +0700 2022
Version:	3.3.2, r0bcb014209e219273cb6fd4152df7df713cbac61
Compiled:	Tue Feb 22 01:39:00 +0700 2022 by chao from branch-3.3.2
Cluster ID:	CID-ec05a06e-8037-4847-b9b3-a852795fa4eb
Block Pool ID:	BP-708151005-192.168.2.108-1650900930488

## Summary

Security is off.

Safemode is off.

1 files and directories, 0 blocks (0 replicated blocks, 0 erasure coded block groups) = 1 total filesystem object(s).



## In operation

DataNode State All ▾

Show 25 ▾ entries

Search:

Node	Http Address	Last contact	Last Block Report	Used	Non DFS Used	Capacity	Blocks	Block pool used	Version
✓/default-rack/data-node2:9866 (192.168.2.110:9866)	<a href="http://data-node2:9866">http://data-node2:9866</a>	0s	0m	24 KB	5.87 GB	8.79 GB	0	24 KB (0%)	3.3.2
✓/default-rack/data-node1:9866 (192.168.2.109:9866)	<a href="http://data-node1:9866">http://data-node1:9866</a>	0s	0m	24 KB	5.87 GB	8.79 GB	0	24 KB (0%)	3.3.2

Showing 1 to 2 of 2 entries

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## Entering Maintenance