

# **BIG DATA HADOOP**



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PROGRAM STUDI D-IV TEKNIK INFORMATIKA

JURUSAN TEKNOLOGI INFORMASI

POLITEKNIK NEGERI MALANG



### Jurusan Teknologi Informasi Politeknik Negeri Malang.

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#### 1. Installing SSH

```
🌠 hadoop-datanode [Running] - Oracle VM VirtualBox
                                                                                                                                                                                  ×
            Machine View Input Devices Help
 Preparing to unpack .../O-openssh-sftp-server_1%3a8.2p1-4ubuntuO.4_amd64.deb ...
Unpacking openssh–sftp–server (1:8.2p1–4ubuntu0.4) ...
Selecting previously unselected package libwrapO:amd64.
Preparing to unpack .../1-libwrap0_7.6.q-30_amd64.deb ...
Unpacking libwrap0:amd64 (7.6.q-30) ...
Selecting previously unselected package openssh-server.
Preparing to unpack .../2-openssh-server_1%3a8.2p1-4ubuntu0.4_amd64.deb ...
Unpacking openssh-server (1:8.2p1-4ubuntu0.4) ...
Selecting previously unselected package osb
Selecting previously unselected package ssh.
Preparing to unpack .../3-ssh_1%3a8.2p1-4ubuntu0.4_all.deb ...
Unpacking ssh (1:8.2p1-4ubuntu0.4) ...
Selecting previously unselected package ncurses-term.
Preparing to unpack .../4-ncurses-term_6.2-Oubuntu2_all.deb ...
Unpacking ncurses-term (6.2-Oubuntu2) ...
Selecting previously unselected package ssh-import-id.
Preparing to unpack .../5-ssh-import-id_5.10-Oubuntu1_all.deb ...
Unpacking ssh-import-id (5.10-Oubuntu1) ...
Setting up openssh-sftp-server (1:821-4ubuntu0.4) ...
Setting up ssh-import-id (5.10-Oubuntu1) ...
Attempting to convert /etc/ssh/ssh_import_id

Setting up libwrap0:amd64 (7.6.q-30) ...

Setting up ncurses-term (6.2-Oubuntu2) ...

Setting up openssh-server (1:8.2p1-4ubuntu0.4) ...
Creating config file /etc/ssh/sshd_config with new version
Created symlink /etc/systemd/system/sshd.service → /lib/systemd/system/ssh.service.
Created symlink /etc/systemd/system/multi–user.target.wants/ssh.service → /lib/systemd/system/ssh.se
rvice.
rescue–ssh.target is a disabled or a static unit, not starting it.
Setting up ssh (1:8.2p1–4ubuntu0.4) ...
Processing triggers for ufw (0.36–6ubuntu1) ..
Processing triggers for systemd (245.4–4ubuntu3.15) ...
Processing triggers for man–db (2.9.1–1) ...
Processing triggers for libc-bin (2.31-Oubuntu9.2) ...
```

#### 2. Inputing SSH-Key to server

[SHA256] -

```
suggested packages:
molly—guard monkeysphere ssh–askpass
The following NEW packages will be installed:
libwrapO ncurses–term openssh–server openssh–sftp–server ssh ssh–import–id
                                                                                                        of the second of
                                                                                                         abort.
                                                                                                                                                                                                            all ssh
                                                                                                                                                                                                                                                                          sudo
Generate an ssh key so that when you
                                                                                                                                                                                                            er:~$
all ssh
       destroy or copy files to the cluster,
                                                                                                                                                                                                                                                                          sudo
                                                                                                                                                                                                              r:'
    you don't have to enter a password.
                                                                                                                                                                                                                                                                          sudo
Command used ssh-keygen -t rsa -P ""
                                                                                                                                                                                                                           ssh sudo
$ ssh–keygen –t rsa –P ""
                                                                                                        Generating public/private rsa key pair.
Enter file in which to save the key (/home/
Your identification has been saved in
                                                                                                                                                                                                                                                                                                                      by inputting the ssh-key the server
                                                                                                        pur public key has been saved in pu
The key fingerprint is:
SHA256:/762CDTRYUARRIBAOpREqnUZVJETRDcus6
                                                                                                                                                                                                                                                                                                                         will be active so we don't have to
                                                                                                                                                                                                                                                                                          pub
                                                                                                                                                                                                                                                                                                                                                                   bother logging in
                                                                                                           he key's randomart image is:
                                                                                                                        ·[RSA 3072]---
                                                                                                                     .B@X#=E
                                                                                                                        00000 +
                                                                                                                   0 = +.*
```

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### 3. Copy \_rsa.pub ke file authorized

```
enerating public/private rsa key painter file in which to save the key (
Our identification has been saved in the key fingerprint is:

HA256:FMmDhdIb9guyK2VrOKFFdyCUJm+Qwtcm=nk4rcw nvc ario-biguataeario-server

he key's randomart image is:
---[RSA 3072]----+
.+++===B+0.E

= --+++..
+ 0 + ..
0 . + .S.
0 + .
0 = 0
. + + +
+ +

Yes cat ~/.ssh/id_rsa.pub >> ~/.ssh/authorized_keys

Syntax to authorized

public ssh keys
```



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