

## 1. Konek ke ssh



A terminal window titled "Terminal" with a menu bar (Shell, Edit, View, Window, Help) and a toolbar. The window shows a multi-tabbed interface. The active tab is titled "moladin — andi@instance-1: ~ — zsh — 204x52". The terminal content shows a user at a prompt "andi@instance-1:~\$" typing "logout", which results in "Connection to 35.184.28.203 closed." and "moladin@M-K59KCQ1FG3 ~ % ssh andi@35.184.28.203". Other tabs in the background show "ssh andi@192.168.1.14", "ssh andi@34.69.189.64", "bash", and "pwsh".

```
moladin — andi@instance-1: ~ — zsh — 204x52
...di: /home/andi — ssh andi@192.168.1.14
~ — andi@instance-1: ~ — -zsh
...stance-2: ~ — ssh andi@34.69.189.64
~ — bash
~ — pwsh

andi@instance-1:~$
logout
Connection to 35.184.28.203 closed.
moladin@M-K59KCQ1FG3 ~ % ssh andi@35.184.28.203
```

## 2. Masukkan password



A terminal window titled "Terminal" with a menu bar (Shell, Edit, View, Window, Help) and a toolbar. The window shows a multi-tabbed interface. The active tab is titled "moladin — andi@instance-1: ~ — ssh andi@35.184.28.203 — 204x52". The terminal content shows a user at a prompt "andi@instance-1:~\$" typing "logout", which results in "Connection to 35.184.28.203 closed." and "moladin@M-K59KCQ1FG3 ~ % ssh andi@35.184.28.203". The next line shows "andi@35.184.28.203's password:" followed by a masked password input. Other tabs in the background show "ssh andi@192.168.1.14", "ssh andi@35.184.28.203", "ssh andi@34.69.189.64", "bash", and "p".

```
moladin — andi@instance-1: ~ — ssh andi@35.184.28.203 — 204x52
...di: /home/andi — ssh andi@192.168.1.14
...instance-1: ~ — ssh andi@35.184.28.203
...stance-2: ~ — ssh andi@34.69.189.64
~ — bash
~ — p

andi@instance-1:~$
logout
Connection to 35.184.28.203 closed.
moladin@M-K59KCQ1FG3 ~ % ssh andi@35.184.28.203
andi@35.184.28.203's password:
```

## 3. Seperti dibawah ini setelah login

```
Terminal Shell Edit View Window Help
moladin — andi@instance-1: ~ — ssh andi@35.184.28.203 — 204x52

...di: /home/andi — ssh andi@192.168.1.14
...instance-1: ~ — ssh andi@35.184.28.203
...stance-2: ~ — ssh andi@34.69.189.64
~ — bash

andi@instance-1:~$
logout
Connection to 35.184.28.203 closed.
moladin@M-K59KCQ1FG3 ~ % ssh andi@35.184.28.203
andi@35.184.28.203's password:
Welcome to Ubuntu 22.04.2 LTS (GNU/Linux 5.15.0-1030-gcp x86_64)

 * Documentation:  https://help.ubuntu.com
 * Management:    https://landscape.canonical.com
 * Support:       https://ubuntu.com/advantage

System information as of Sun Apr 30 06:31:43 UTC 2023

System load:  0.0          Processes:           115
Usage of /:   22.8% of 9.51GB Users logged in:      1
Memory usage: 8%          IPv4 address for ens4: 10.128.15.200
Swap usage:   0%

Expanded Security Maintenance for Applications is enabled.

60 updates can be applied immediately.
39 of these updates are standard security updates.
To see these additional updates run: apt list --upgradable

*** Livepatch has fixed kernel vulnerabilities. System restart recommended on the closest maintenance window ***

Last login: Sun Apr 30 06:27:39 2023 from 125.166.79.27
andi@instance-1:~$
```

#### 4. Mengirim folder beserta isi dari local ke remote server, terliat status terkirim , seperti dibawah ini

```
Terminal Shell Edit View Window Help
moladin — andi@instance-1: ~ — ssh andi@35.184.28.203 — 204x52

...di: /home/andi — ssh andi@192.168.1.14
...instance-1: ~ — ssh andi@35.184.28.203
...stance-2: ~ — ssh andi@34.69.189.64
~ — bash
~ — pwsh

andi@instance-1:~$ ls -al
total 32
drwxr-xr-x  4 andi andi 4096 Apr 30 06:34 .
drwxr-xr-x 18 root root 4096 Apr 30 06:25 ..
-rw-r--r--  1 andi andi  48 Apr 30 06:29 .bash_history
-rw-r--r--  1 andi andi 228 Apr 30 06:25 .bash_logout
-rw-r--r--  1 andi andi 3771 Apr 30 06:25 .bashrc
drwx----- 2 andi andi 4096 Apr 30 06:27 .cache
-rw-r--r--  1 andi andi 807 Apr 30 06:25 .profile
drwxrwxr-x  2 andi andi 4096 Apr 30 06:35 andipangeran
andi@instance-1:~$ tree
.
├── andipangeran
│   ├── test1.txt
│   ├── test2.txt
│   └── test3.txt
└──

1 directory, 3 files
andi@instance-1:~$ ip a
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
        valid_lft forever preferred_lft forever
2: ens4: <BROADCAST,MULTICAST,UP,LOWER_UP> mtu 1460 qdisc mq state UP group default qlen 1000
    link/ether 42:81:0a:80:0f:c8 brd ff:ff:ff:ff:ff:ff
    altname enp0s4
    inet 10.128.15.200/32 metric 100 scope global dynamic ens4
        valid_lft 85100sec preferred_lft 85100sec
    inet6 fe80::4001:a1ff:fe80:fc8/64 scope link
        valid_lft forever preferred_lft forever
andi@instance-1:~$ scp -r andipangeran andi@10.128.15.201:/home/andi
The authenticity of host '10.128.15.201 (10.128.15.201)' can't be established.
ED25519 key fingerprint is SHA256:zNGXEae4UPAkz5MnQbzNQAawjXH81/oxQ2cBUWohseAQ.
This key is not known by any other names
Are you sure you want to continue connecting (yes/no/[fingerprint])? yes
Warning: Permanently added '10.128.15.201' (ED25519) to the list of known hosts.
andi@10.128.15.201's password:
test1.txt
test3.txt
test2.txt
andi@instance-1:~$
```

```
moladin — andi@instance-2: ~ — ssh andi@34.69.189.64 — 204x52
...di: /home/andi — ssh andi@192.168.1.14 ...instance-1: ~ — ssh andi@35.184.28.203 X ...stance-2: ~ — ssh andi@34.69.189.64 ~ — bash

andi@instance-2:~$ ls -al
total 24
drwxr-xr-x  3 andi andi 4096 Apr 30 06:28 .
drwxr-xr-x 18 root root 4096 Apr 30 06:26 ..
-rw-r--r--  1 andi andi 220 Apr 30 06:26 .bash_logout
-rw-r--r--  1 andi andi 3771 Apr 30 06:26 .bashrc
drwx----- 2 andi andi 4096 Apr 30 06:28 .cache
-rw-r--r--  1 andi andi 807 Apr 30 06:26 .profile
andi@instance-2:~$ ip a
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
        valid_lft forever preferred_lft forever
2: ens4: <BROADCAST,MULTICAST,UP,LOWER_UP> mtu 1460 qdisc mq state UP group default qlen 1000
    link/ether 42:01:0a:80:0f:c9 brd ff:ff:ff:ff:ff:ff
    inet 10.128.15.201/32 scope global dynamic ens4
        valid_lft 85327sec preferred_lft 85327sec
    inet6 fe80::4001:aff:fe80:fc9/64 scope link
        valid_lft forever preferred_lft forever
andi@instance-2:~$ ls -al
total 28
drwxr-xr-x  4 andi andi 4096 Apr 30 06:39 .
drwxr-xr-x 18 root root 4096 Apr 30 06:26 ..
-rw-r--r--  1 andi andi 220 Apr 30 06:26 .bash_logout
-rw-r--r--  1 andi andi 3771 Apr 30 06:26 .bashrc
drwx----- 2 andi andi 4096 Apr 30 06:28 .cache
-rw-r--r--  1 andi andi 807 Apr 30 06:26 .profile
drwxrwxr-x  2 andi andi 4096 Apr 30 06:39 andipangeran
andi@instance-2:~$ ls andipangeran/test
test1.txt test2.txt test3.txt
andi@instance-2:~$ ls andipangeran/test
```

## 5. Berikut ini kita akan upload folder beserta isi menggunakan sftp

```
moladin — andi@instance-1: ~ — ssh andi@35.188.13.253 — 204x52
...di: /home/andi — ssh andi@192.168.1.14 ...instance-1: ~ — ssh andi@35.188.13.253 ...stance-2: ~ — ssh andi@34.171.161.93 ~ — bash ~ — pwsh

andi@instance-1:~$ ip a
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
        valid_lft forever preferred_lft forever
2: ens4: <BROADCAST,MULTICAST,UP,LOWER_UP> mtu 1460 qdisc fq_codel state UP group default qlen 1000
    link/ether 42:01:0a:80:00:02 brd ff:ff:ff:ff:ff:ff
    altname enp0s4
    inet 10.128.0.2/32 scope global dynamic ens4
        valid_lft 85419sec preferred_lft 85419sec
    inet6 fe80::4001:aff:fe80:2/64 scope link
        valid_lft forever preferred_lft forever
andi@instance-1:~$ ls -al
total 28
drwxr-xr-x  4 andi andi 4096 Apr 30 07:11 .
drwxr-xr-x 15 root root 4096 Apr 30 07:05 ..
-rw-r--r--  1 andi andi 220 Apr 30 07:05 .bash_logout
-rw-r--r--  1 andi andi 3771 Apr 30 07:05 .bashrc
drwx----- 2 andi andi 4096 Apr 30 07:08 .cache
-rw-r--r--  1 andi andi 807 Apr 30 07:05 .profile
drwxrwxr-x  5 andi andi 4096 Apr 30 07:12 andipangeran
andi@instance-1:~$ sftp
Command 'sfpt' not found, did you mean:

  command 'xfpt' from deb xfpt (0.10-1)
  command 'sfpt' from deb openssh-client (1:8.2p1-4ubuntu0.5)

Try: apt install <deb name>

andi@instance-1:~$ sftp 10.128.15.231
The authenticity of host '10.128.15.231 (10.128.15.231)' can't be established.
ECDSA key fingerprint is SHA256:coLeXUuSK78Y2iJ0jeD/eegS1DnlfvatoM0eaGcmOZ0.
Are you sure you want to continue connecting (yes/no/[fingerprint])? yes
Warning: Permanently added '10.128.15.231' (ECDSA) to the list of known hosts.
andi@10.128.15.231's password:
Connected to 10.128.15.231.
sftp> ls -al
drwx----- 3 andi andi 4096 Apr 30 07:10 .
drwxr-xr-x 15 root root 4096 Apr 30 07:06 ..
-rw-r--r--  1 andi andi 220 Apr 30 07:06 .bash_logout
-rw-r--r--  1 andi andi 3771 Apr 30 07:06 .bashrc
drwx----- 2 andi andi 4096 Apr 30 07:10 .cache
-rw-r--r--  1 andi andi 807 Apr 30 07:06 .profile
sftp>
```



