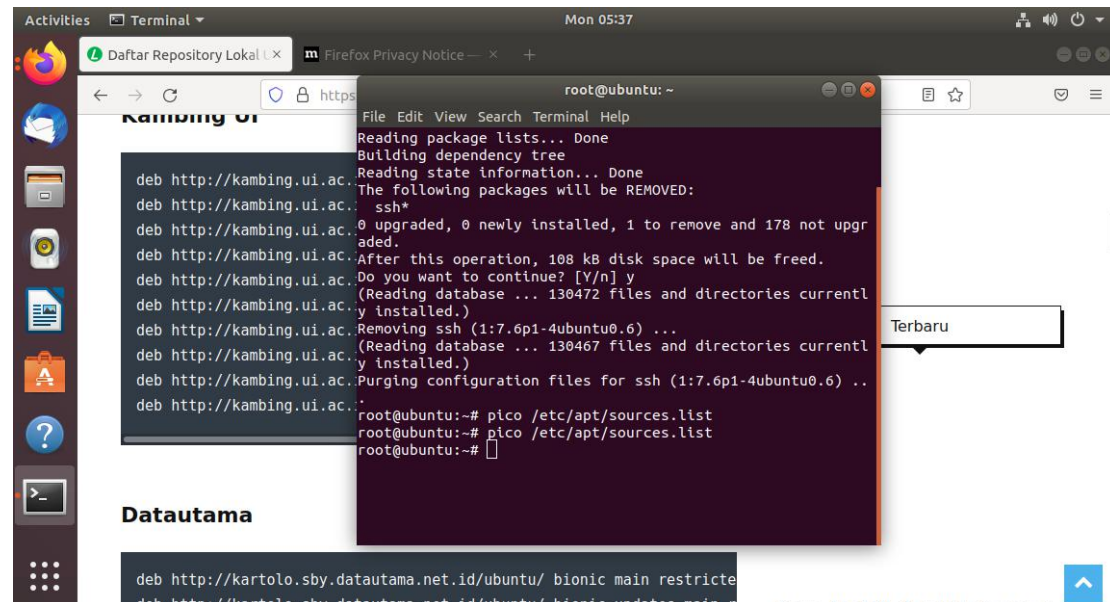


Nama : Adi Saepul Anwar
NPM : 43A87006200129
MATKUL : Sistem Administrator
Kelas : S1/TI/A/4/M

1. Setting repo Lokal Indonesia (Kambing.ui)



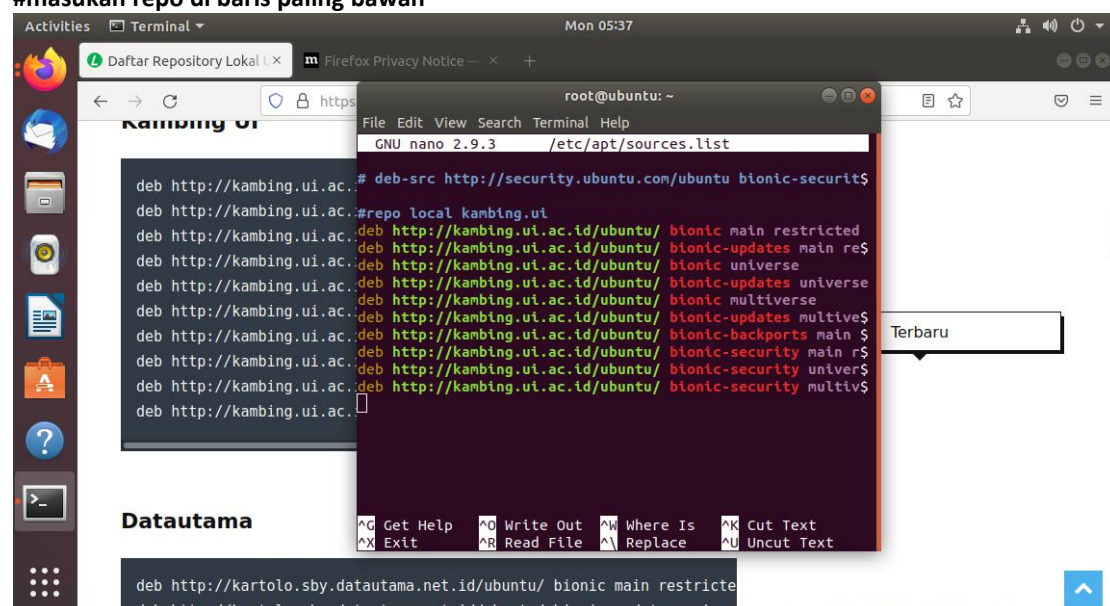
The screenshot shows a terminal window with the following commands and output:

```
root@ubuntu:~# cat /etc/apt/sources.list
deb http://kambing.ui.ac.id/ubuntu/ bionic main restricted
deb http://kambing.ui.ac.id/ubuntu/ bionic-updates main restricted
deb http://kambing.ui.ac.id/ubuntu/ bionic universe
deb http://kambing.ui.ac.id/ubuntu/ bionic-updates universe
deb http://kambing.ui.ac.id/ubuntu/ bionic multiverse
deb http://kambing.ui.ac.id/ubuntu/ bionic-backports main restricted
deb http://kambing.ui.ac.id/ubuntu/ bionic-security main restricted
deb http://kambing.ui.ac.id/ubuntu/ bionic-security universe
deb http://kambing.ui.ac.id/ubuntu/ bionic-security multiverse

root@ubuntu:~# apt-get update
Reading package lists... Done
Building dependency tree
Reading state information... Done
The following packages will be REMOVED:
ssh*
0 upgraded, 0 newly installed, 1 to remove and 178 not upgraded.
After this operation, 108 kB disk space will be freed.
Do you want to continue? [Y/n] y
(Reading database ... 130472 files and directories currently installed.)
Removing ssh (1:7.6p1-4ubuntu0.6) ...
(Reading database ... 130467 files and directories currently installed.)
Purging configuration files for ssh (1:7.6p1-4ubuntu0.6) ..
root@ubuntu:~# pico /etc/apt/sources.list
root@ubuntu:~# pico /etc/apt/sources.list
root@ubuntu:~#
```

A callout box labeled "Terbaru" points to the terminal output.

#masukan repo di baris paling bawah



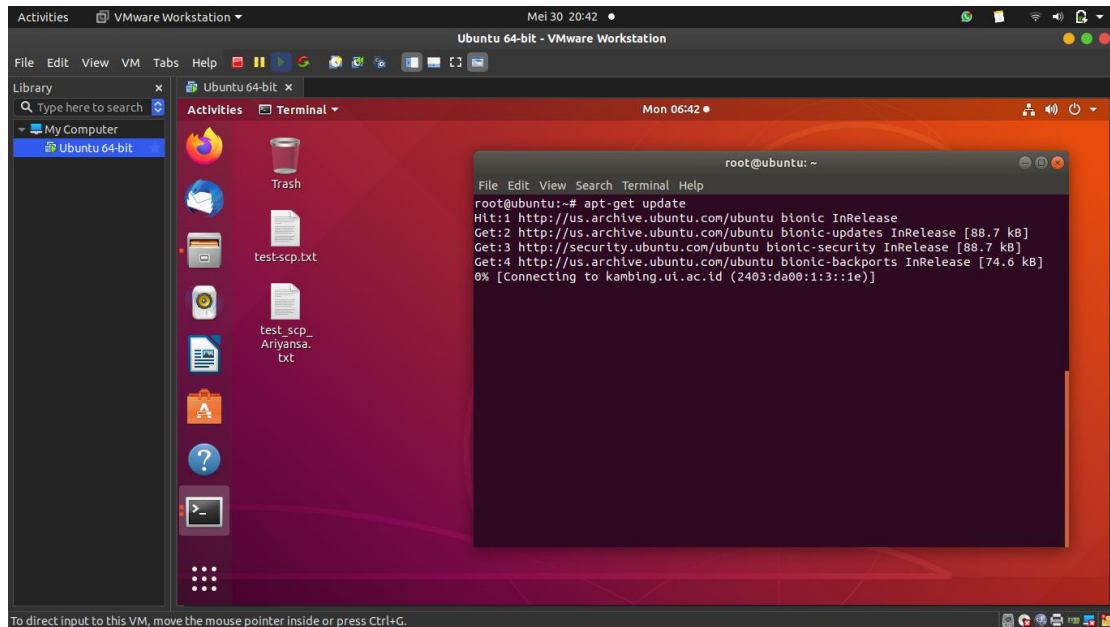
The screenshot shows a terminal window with the following commands and output:

```
root@ubuntu:~# nano /etc/apt/sources.list
# deb-src http://security.ubuntu.com/ubuntu bionic-security
#repo local kambing.ui
deb http://kambing.ui.ac.id/ubuntu/ bionic main restricted
deb http://kambing.ui.ac.id/ubuntu/ bionic-updates main restricted
deb http://kambing.ui.ac.id/ubuntu/ bionic universe
deb http://kambing.ui.ac.id/ubuntu/ bionic-updates universe
deb http://kambing.ui.ac.id/ubuntu/ bionic multiverse
deb http://kambing.ui.ac.id/ubuntu/ bionic-backports main restricted
deb http://kambing.ui.ac.id/ubuntu/ bionic-security main restricted
deb http://kambing.ui.ac.id/ubuntu/ bionic-security universe
deb http://kambing.ui.ac.id/ubuntu/ bionic-security multiverse

root@ubuntu:~#
```

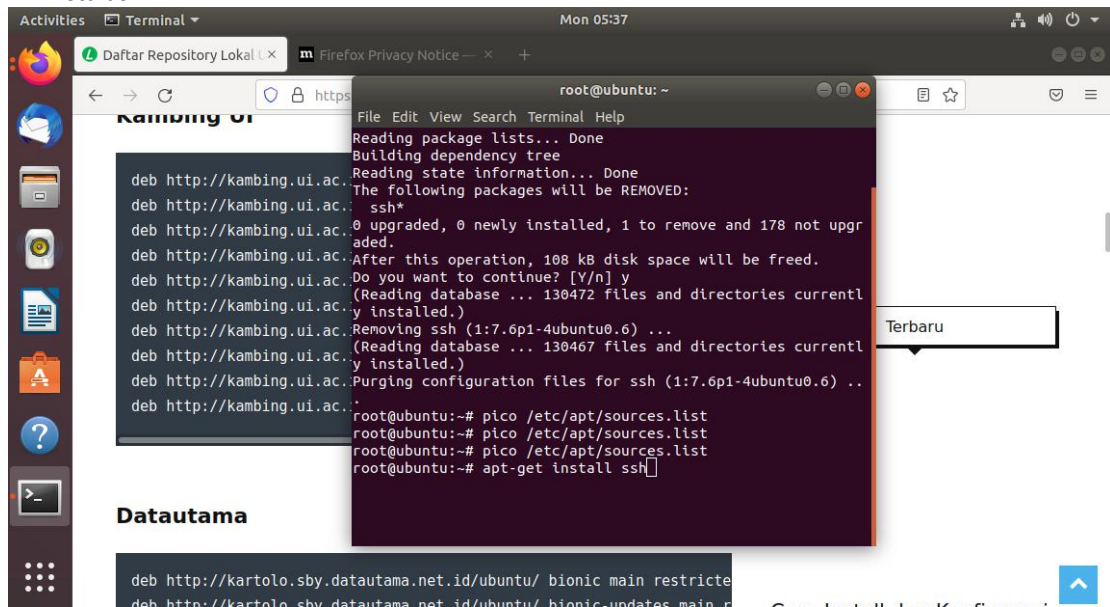
A callout box labeled "Terbaru" points to the terminal output.

#lalu update

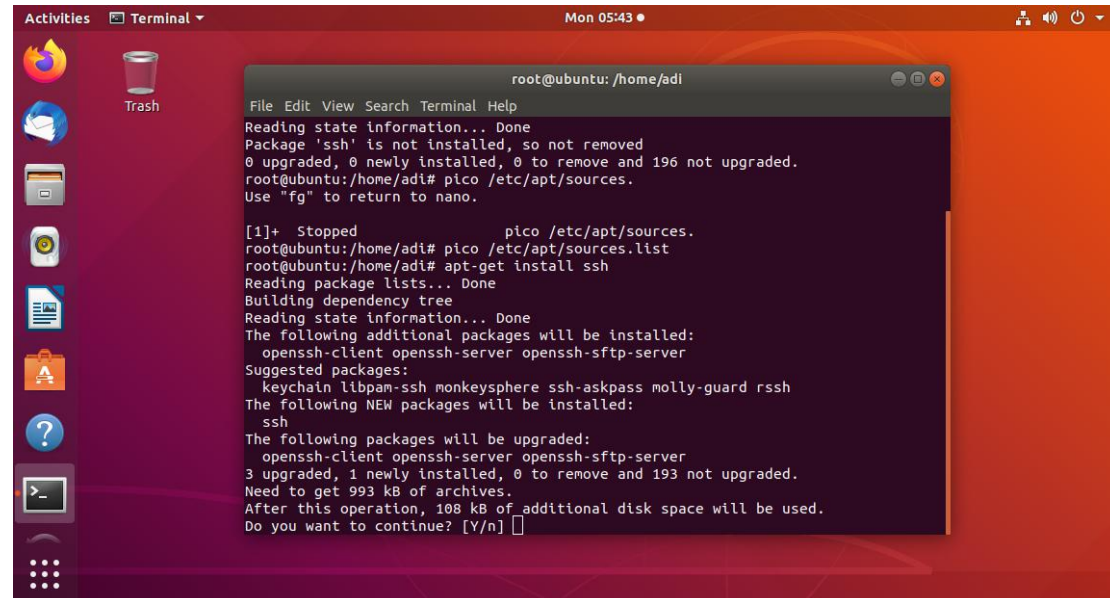


2. Install Service ssh

A. Instalasi



B. Klik “Y”

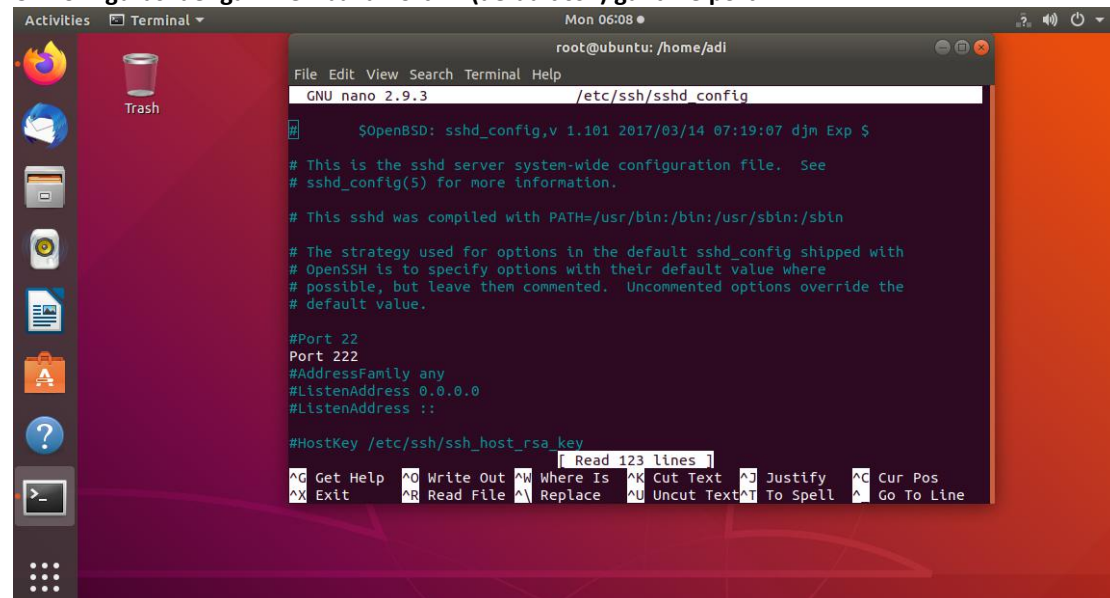


A terminal window titled 'root@ubuntu: /home/adi' showing the process of installing SSH. The user runs 'pico /etc/apt/sources.' and then 'apt-get install ssh'. The terminal output shows the package lists, dependency tree, and the list of packages to be installed (openssh-client, openssh-server, openssh-sftp-server). It also shows the disk space requirements and asks for confirmation to continue.

```
root@ubuntu: /home/adi
File Edit View Search Terminal Help
Reading state information... Done
Package 'ssh' is not installed, so not removed
0 upgraded, 0 newly installed, 0 to remove and 196 not upgraded.
root@ubuntu:/home/adi# pico /etc/apt/sources.
Use "fg" to return to nano.

[1]+  Stopped                  pico /etc/apt/sources.
root@ubuntu:/home/adi# pico /etc/apt/sources.list
root@ubuntu:/home/adi# apt-get install ssh
Reading package lists... Done
Building dependency tree
Reading state information... Done
The following additional packages will be installed:
  openssh-client openssh-server openssh-sftp-server
Suggested packages:
  keychain libpam-ssh monkeysphere ssh-askpass molly-guard rssh
The following NEW packages will be installed:
  ssh
The following packages will be upgraded:
  openssh-client openssh-server openssh-sftp-server
3 upgraded, 1 newly installed, 0 to remove and 193 not upgraded.
Need to get 993 kB of archives.
After this operation, 108 kB of additional disk space will be used.
Do you want to continue? [Y/n]
```

C. Konfigurasi dengan membuka Port 22 (default ssh) ganti ke port 222



A terminal window titled 'root@ubuntu: /home/adi' showing the configuration of the SSH daemon. The user is editing the '/etc/ssh/sshd_config' file using nano. The configuration shows the default port 22 being changed to 222.

```
root@ubuntu: /home/adi
File Edit View Search Terminal Help
GNU nano 2.9.3 /etc/ssh/sshd_config

# $OpenBSD: sshd_config,v 1.101 2017/03/14 07:19:07 djm Exp $

# This is the sshd server system-wide configuration file.  See
# sshd_config(5) for more information.

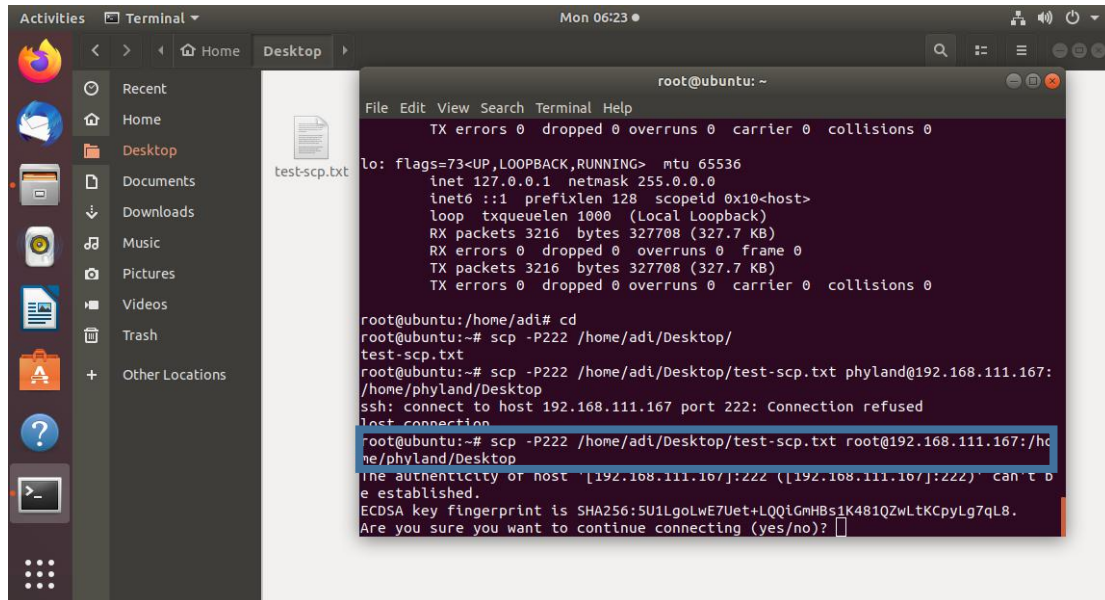
# This sshd was compiled with PATH=/usr/bin:/bin:/usr/sbin:/sbin

# The strategy used for options in the default sshd_config shipped with
# OpenSSH is to specify options with their default value where
# possible, but leave them commented.  Uncommented options override the
# default value.

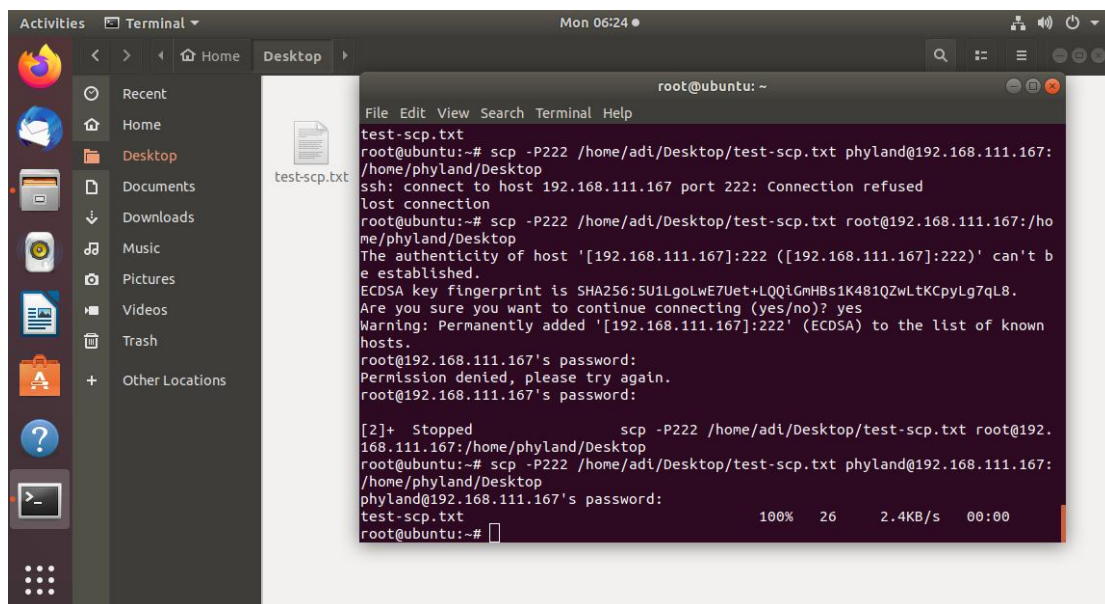
#Port 22
Port 222
#AddressFamily any
#ListenAddress 0.0.0.0
#ListenAddress ::

#HostKey /etc/ssh/ssh_host_rsa_key
```

3. Sharing File dan Folder dengan SCP



```
root@ubuntu: ~  
File Edit View Search Terminal Help  
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 3216 bytes 327708 (327.7 KB)  
RX errors 0 dropped 0 overruns 0 frame 0  
TX packets 3216 bytes 327708 (327.7 KB)  
TX errors 0 dropped 0 overruns 0 carrier 0 collisions 0  
  
root@ubuntu:/home/adi# cd  
root@ubuntu:~# scp -P222 /home/adi/Desktop/  
test-scp.txt  
root@ubuntu:~# scp -P222 /home/adi/Desktop/test-scp.txt phyland@192.168.111.167:  
/home/phyland/Desktop  
ssh: connect to host 192.168.111.167 port 222: Connection refused  
lost connection  
root@ubuntu:~# scp -P222 /home/adi/Desktop/test-scp.txt root@192.168.111.167:/h  
ome/phyland/Desktop  
The authenticity of host '[192.168.111.167]:222 ([192.168.111.167]:222)' can't b  
e established.  
ECDSA key fingerprint is SHA256:5U1LgoLwE7Uet+LQQiGmHBs1K481QZwLtkCpyLg7qL8.  
Are you sure you want to continue connecting (yes/no)?
```



```
test-scp.txt  
root@ubuntu:~# scp -P222 /home/adi/Desktop/test-scp.txt phyland@192.168.111.167:  
/home/phyland/Desktop  
ssh: connect to host 192.168.111.167 port 222: Connection refused  
lost connection  
root@ubuntu:~# scp -P222 /home/adi/Desktop/test-scp.txt root@192.168.111.167:/h  
ome/phyland/Desktop  
The authenticity of host '[192.168.111.167]:222 ([192.168.111.167]:222)' can't b  
e established.  
ECDSA key fingerprint is SHA256:5U1LgoLwE7Uet+LQQiGmHBs1K481QZwLtkCpyLg7qL8.  
Are you sure you want to continue connecting (yes/no)? yes  
Warning: Permanently added '[192.168.111.167]:222' (ECDSA) to the list of known  
hosts.  
root@192.168.111.167's password:  
Permission denied, please try again.  
root@192.168.111.167's password:  
  
[2]+ Stopped scp -P222 /home/adi/Desktop/test-scp.txt root@192.  
168.111.167:/home/phyland/Desktop  
root@ubuntu:~# scp -P222 /home/adi/Desktop/test-scp.txt phyland@192.168.111.167:  
/home/phyland/Desktop  
phyland@192.168.111.167's password:  
test-scp.txt 100% 26 2.4KB/s 00:00  
root@ubuntu:~#
```


#SCP File

