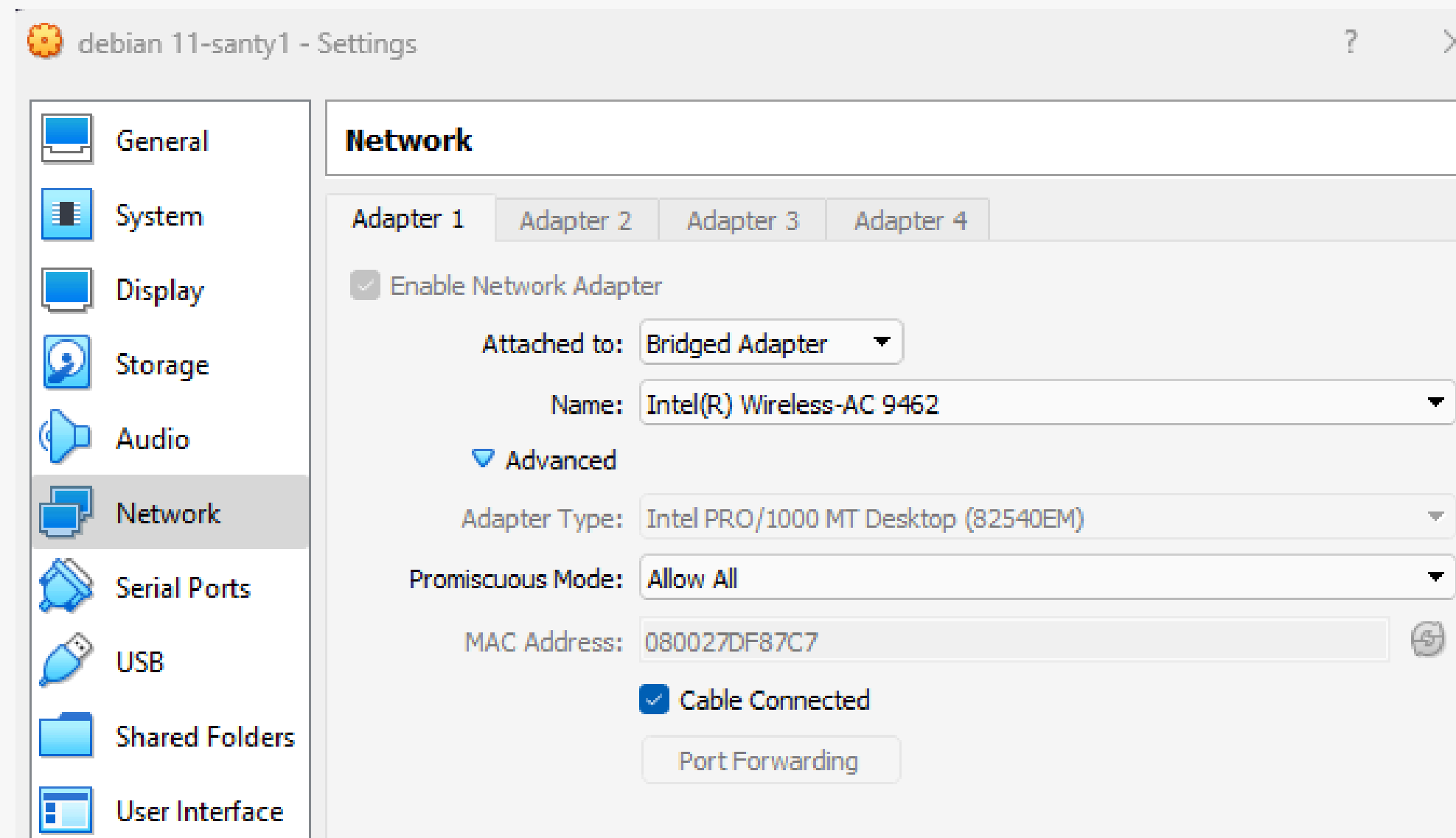


KONFIGURASI FTP SERVER (FILE TRANSFER PROTOCOL) PADA DEBIAN 11

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1. PASTIKAN DEBIAN 11 SUDAH TERINSTALL PADA ORACLE
VIRTUAL BOX .

2. ATUR SETTING NETWORKNYA SEPERTI BERIKUT INI :



3. LAKUKAN RESTART NETWORKING DENGAN PERINTAH :

```
root@debian:/home/debian# systemctl restart networking
```

4. CEK IP DENGAN PERINTAH :

```
root@debian:/home/debian# ip a
1: lo: <LOOPBACK,UP,LOWER_UP> mtu 65536 qdisc noqueue state UNKNOWN group
    t 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: enp0s3: <BROADCAST,MULTICAST,UP,LOWER_UP> mtu 1500 qdisc pfifo_fast sta
    group default qlen 1000
    link/ether 08:00:27:df:87:c7 brd ff:ff:ff:ff:ff:ff
    inet 10.209.15.250/21 brd 10.209.15.255 scope global dynamic noprefixr
    np0s3
        valid_lft 572sec preferred_lft 572sec
    inet6 fe80::a00:27ff:fedf:87c7/64 scope link noprefixroute
        valid_lft forever preferred_lft forever
```

5. PING IP SERVER DARI CLIENT MENGGUNAKAN CMD. UNTUK MEMASTIKAN BISA SALING TERKONEKSI.

```
C:\Users\ASUS>ping 10.209.15.250

Pinging 10.209.15.250 with 32 bytes of data:
Reply from 10.209.15.250: bytes=32 time<1ms TTL=64
Reply from 10.209.15.250: bytes=32 time<1ms TTL=64
Reply from 10.209.15.250: bytes=32 time<1ms TTL=64
Reply from 10.209.15.250: bytes=32 time<1ms TTL=64
```

6. INSTALL APLIKASI VSFTPD PADA SERVER DENGAN PERINTAH :

```
root@debian:/home/debian# sudo apt install vsftpd
Reading package lists... Done
Building dependency tree... Done
Reading state information... Done
The following NEW packages will be installed:
  vsftpd
0 upgraded, 1 newly installed, 0 to remove and 0 not upgraded.
Need to get 153 kB of archives.
After this operation, 358 kB of additional disk space will be used.
Get:1 http://deb.debian.org/debian bullseye/main amd64 vsftpd amd64 3.0.3-12+b1
[153 kB]
1% [1 vsftpd 2.800 B/153 kB 2%] 227 B/s 11min 3s
```

7. MENAMBAH USER UNTUK LOGIN FTP SERVER NANTINYA.

```
root@debian:/home/debian# sudo adduser santy
Adding user `santy' ...
Adding new group `santy' (1001) ...
Adding new user `santy' (1001) with group `santy' ...
```

6. MEMASUKKAN USER KITA KE DALAM DAFTAR LIST USER

```
root@debian:/home/debian# sudo adduser santy
Adding user `santy' ...
Adding new group `santy' (1001) ...
Adding new user `santy' (1001) with group `santy' ...
```



7. LAKUKAN SETTING USER DAN HAK AKSES USER

```
root@debian:/home/debian# echo santy >>/etc/vsftpd.userlist  
root@debian:/home/debian# mkdir -p /var/ftp/private/santy  
root@debian:/home/debian# touch /var/ftp/private/santy/santy.txt/
```

```
root@debian:/home/debian# touch /var/ftp/private/santy/santy.txt  
root@debian:/home/debian# chown -R santy:santy /var/ftp/private/santy  
root@debian:/home/debian# chown -R 755 /var/ftp/private/santy
```

6. EDIT KONFIGURASI VSFTPD DENGAN PERINTAH

```
root@debian:/home/debian# nano /etc/vsftpd.conf
```



9. EDIT VSFTPD MENJADI SEBAGAI BERIKUT :

```
# capabilities.

# Run standalone? vsftpd can run either from an inetd or as a standalone
# daemon started from an initscript.
listen=NO

# This directive enables listening on IPv6 sockets. By default, listening
# on the IPv6 "any" address (:::) will accept connections from both IPv6
# and IPv4 clients. It is not necessary to listen on *both* IPv4 and IPv6
# sockets. If you want that (perhaps because you want to listen on specific
# addresses) then you must run two copies of vsftpd with two configuration
# files.
listen_ipv6=YES

# Allow anonymous FTP? (Disabled by default).
anonymous_enable=YES

# Uncomment this to allow local users to log in.
local_enable=YES

# Uncomment this to enable any form of FTP write command.
write_enable=YES

# Default umask for local users is 077. You may wish to change this to 022,
# if your user expects other users to have read-only access.

[ Soft wrapping of overlong lines enabled ]

G Help      O Write Out  W Where Is  K Cut       T Execute   C Location  M-U Undo
X Exit      R Read File  \ Replace   _ Paste     _ Justify   _ Go To Line M-E Redo
```



```
GNU nano 5.4 /etc/vsftpd.conf $
# Default umask for local users is 077. You may wish to change this to 022,
# if your users expect that (022 is used by most other ftpd's)
#local_umask=022
#
# Uncomment this to allow the anonymous FTP user to upload files. This only
# has an effect if the above global write enable is activated. Also, you will
# obviously need to create a directory writable by the FTP user.
#anon_upload_enable=YES
anon_root=/var/ftp/public
no_anon_password=YES
hide_ids=YES
#
# Uncomment this if you want the anonymous FTP user to be able to create
# new directories.
#anon_mkdir_write_enable=YES
#
# Activate directory messages - messages given to remote users when they
# go into a certain directory.
dirmessage_enable=YES
#
# If enabled, vsftpd will display directory listings with the time
# in your local time zone. The default is to display GMT. The
# times returned by the MOTM FTP command are also affected by this
# option.
use_localtime=YES
#
# Activate logging of uploads/downloads.
xferlog_enable=YES
#
# Make sure PORT transfer connections originate from port 20 (ftp-data).
connect_from_port_20=YES
#
# If you want, you can arrange for uploaded anonymous files to be owned by
```

Help	Write Out	Where Is	Cut	Execute	Location	Undo
Exit	Read File	Replace	Paste	Justify	Go To Line	Redo


```
GNU nano 5.4 /etc/vsftpd.conf 5
# You may restrict local users to their home directories. See the FAQ for
# the possible risks in this before using chroot_local_user or
#chroot_list_enable below.
chroot_local_user=YES
allow_writeable_chroot=YES

user_sub_token=$USER
local_root=/var/ftp/private/$USER
#
# You may specify an explicit list of local users to chroot() to their home
# directory. If chroot_local_user is YES, then this list becomes a list of
# users to NOT chroot().
# (Warning! chroot'ing can be very dangerous. If using chroot, make sure that
# the user does not have write access to the top level directory within the
# chroot)
#chroot_local_user=YES
#chroot_list_enable=YES
# (default follows)
#chroot_list_file=/etc/vsftpd.chroot_list
#
# You may activate the "-R" option to the builtin ls. This is disabled by
# default to avoid remote users being able to cause excessive I/O on large
# sites. However, some broken FTP clients such as "ncftp" and "mirror" assume
# the presence of the "-R" option, so there is a strong case for enabling it.
#ls_recurse_enable=YES
#
# Customization
#
# Some of vsftpd's settings don't fit the filesystem layout by
# default.
#
# This option should be the name of a directory which is empty. Also, the
# directory should not be writable by the ftp user. This directory is used
```

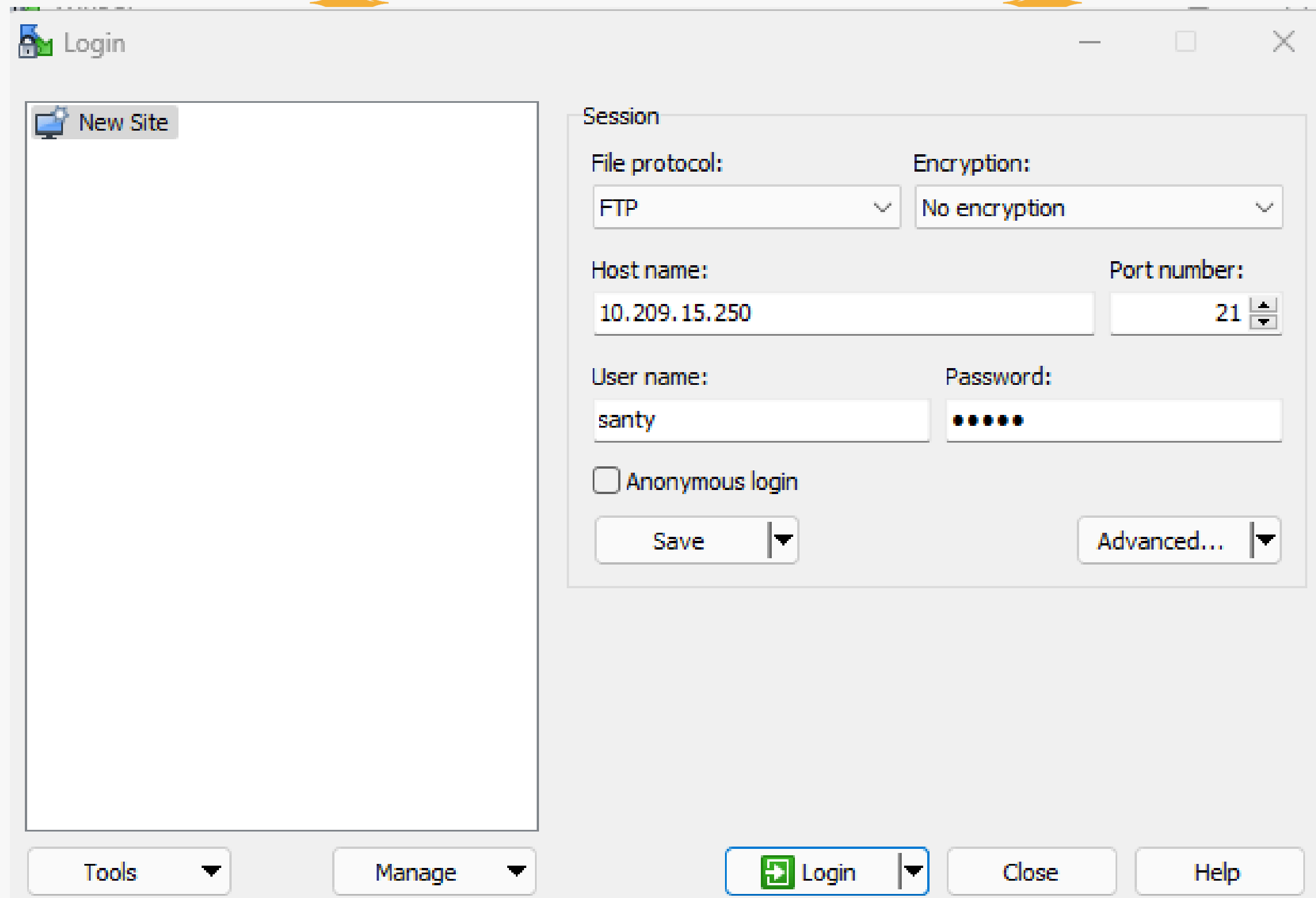
⌕ Help	⌕ Write Out	⌕ Where Is	⌕ Cut	⌕ Execute	⌕ Location	⌕ Undo
⌕ Exit	⌕ Read File	⌕ Replace	⌕ Paste	⌕ Justify	⌕ Go To Line	⌕ Redo

7. LAKUKAN RESTART PADA VSFTP DAN NETWORKING. DENGAN PERINTAH :

```
root@debian:/home/debian# systemctl restart vsftpd  
root@debian:/home/debian# systemctl restart networking
```



7. PENGUJIAN DENGAN APLIKASI WINSCP. SEPERTI BERIKUT INI :



The image shows the WinSCP Login window. It has a title bar with a lock icon and the text 'Login'. The window is divided into two main sections. The left section is titled 'New Site' and contains a large empty text area. The right section is titled 'Session' and contains several input fields and buttons. The 'File protocol' is set to 'FTP' and 'Encryption' is set to 'No encryption'. The 'Host name' is '10.209.15.250' and the 'Port number' is '21'. The 'User name' is 'santy' and the 'Password' is masked with dots. There is an 'Anonymous login' checkbox which is unchecked. At the bottom of the 'Session' section are 'Save' and 'Advanced...' buttons. At the bottom of the window are 'Tools', 'Manage', 'Login', 'Close', and 'Help' buttons.

Login

New Site

Session

File protocol: FTP Encryption: No encryption

Host name: 10.209.15.250 Port number: 21

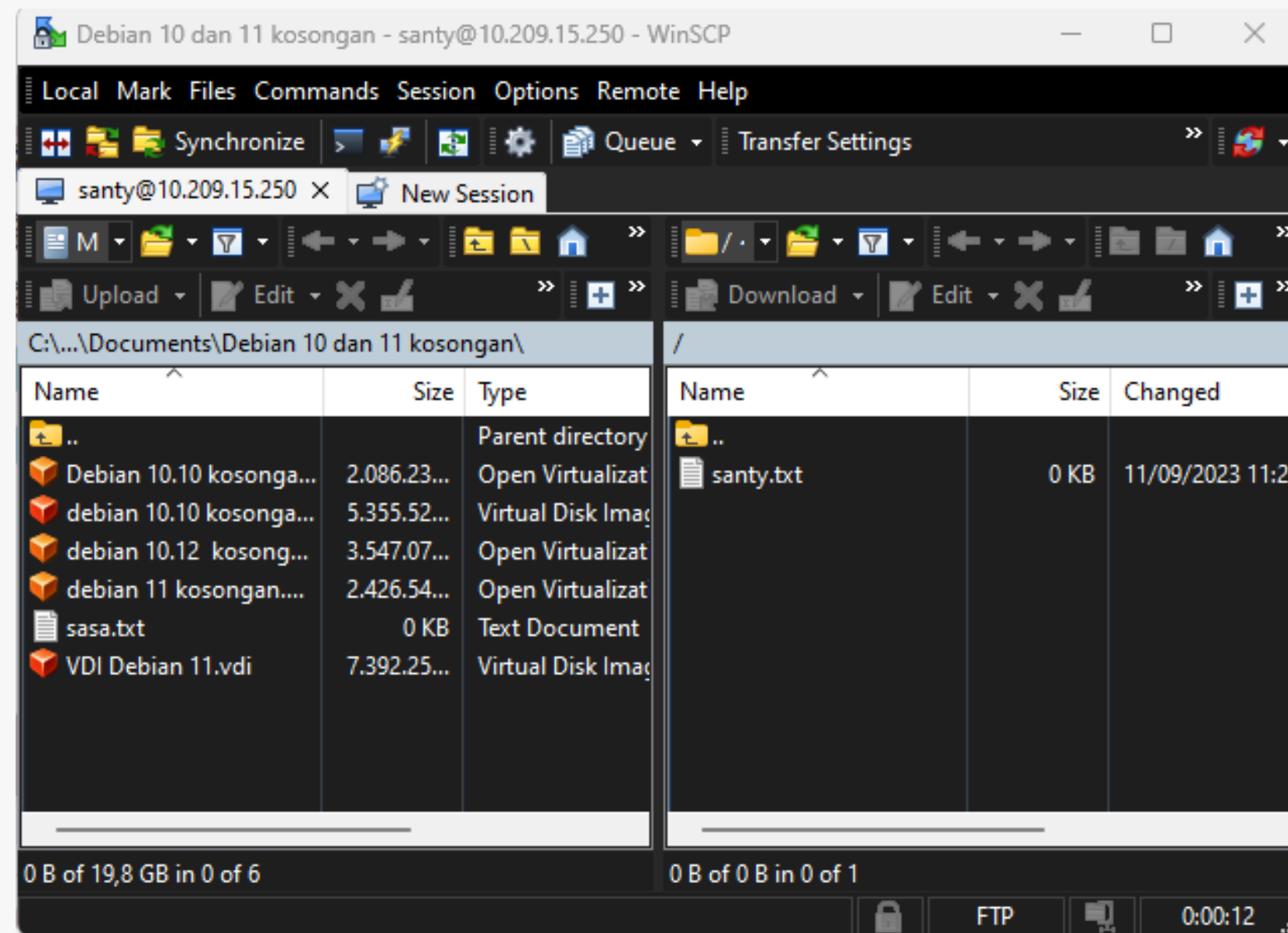
User name: santy Password: ●●●●●●

☐ Anonymous login

Save Advanced...

Tools Manage Login Close Help

7. JIKA WINSCP SUDAH BISA LOGIN SEPERTI BERIKUT
BERARTI KONFIGURASI FTP SERVER SUDAH BENAR DAN
BERHASIL.



THANK YOU



