

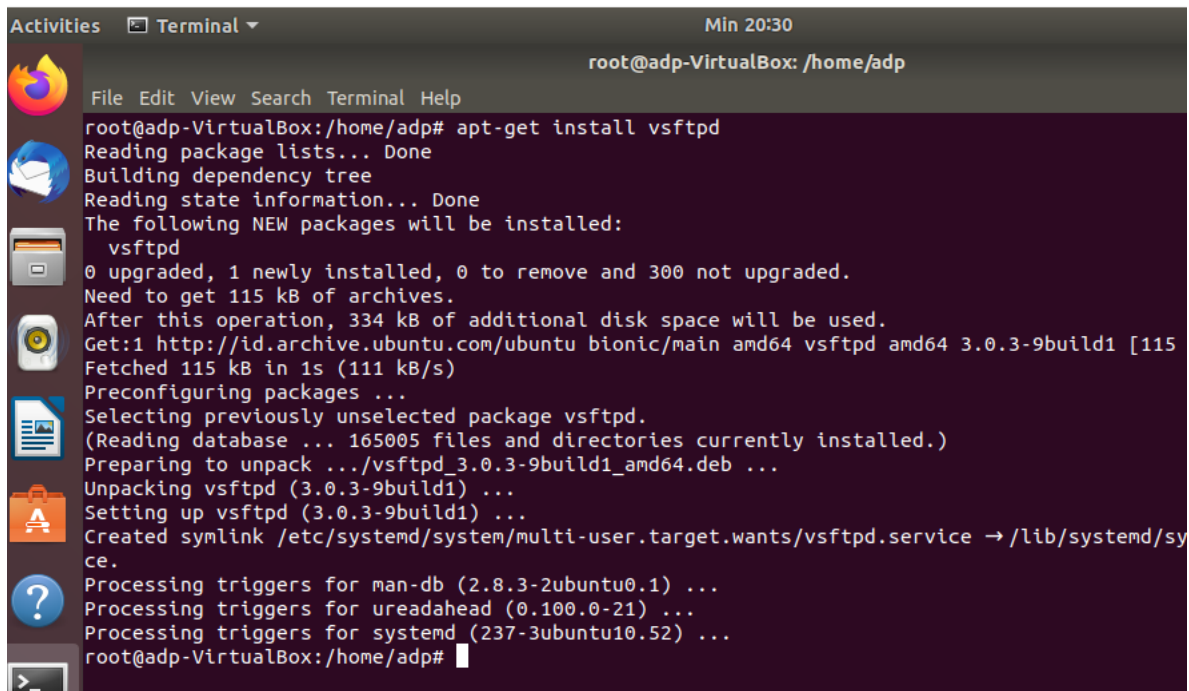
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Install vsftpd atau core ftp pada ubuntu

Masukkan perintah “apt-get install vsftpd” untuk install

A screenshot of a terminal window titled "Terminal" with a clock showing "Min 20:30". The prompt is "root@adp-VirtualBox: /home/adp". The user has entered the command "apt-get install vsftpd". The terminal output shows the package lists being read, the dependency tree being built, and the state information being read. It then lists the new packages to be installed: "vsftpd". It shows that 0 packages are upgraded, 1 is newly installed, and 0 are to be removed. It also shows the disk space requirements and the source of the package. The installation process is shown step-by-step, including unpacking and setting up the service. The prompt returns to "root@adp-VirtualBox: /home/adp#".

```
root@adp-VirtualBox: /home/adp# apt-get install vsftpd
Reading package lists... Done
Building dependency tree
Reading state information... Done
The following NEW packages will be installed:
  vsftpd
0 upgraded, 1 newly installed, 0 to remove and 300 not upgraded.
Need to get 115 kB of archives.
After this operation, 334 kB of additional disk space will be used.
Get:1 http://id.archive.ubuntu.com/ubuntu bionic/main amd64 vsftpd amd64 3.0.3-9build1 [115
Fetched 115 kB in 1s (111 kB/s)
Preconfiguring packages ...
Selecting previously unselected package vsftpd.
(Reading database ... 165005 files and directories currently installed.)
Preparing to unpack .../vsftpd_3.0.3-9build1_amd64.deb ...
Unpacking vsftpd (3.0.3-9build1) ...
Setting up vsftpd (3.0.3-9build1) ...
Created symlink /etc/systemd/system/multi-user.target.wants/vsftpd.service → /lib/systemd/sy
ce.
Processing triggers for man-db (2.8.3-2ubuntu0.1) ...
Processing triggers for ureadahead (0.100.0-21) ...
Processing triggers for systemd (237-3ubuntu10.52) ...
root@adp-VirtualBox: /home/adp#
```

Copy atau backup file vsftpd.conf “sudo cp /etc/vsftpd.conf /etc/vsftpd.conf.original”

-ufw status

-apt-get install ufw

```
root@adp-VirtualBox:/home/adp# cp /etc/vsftpd.conf /etc/vsftpd.conf.original
root@adp-VirtualBox:/home/adp# ufw status
Status: inactive
root@adp-VirtualBox:/home/adp# apt-get install ufw
Reading package lists... Done
Building dependency tree
Reading state information... Done
The following packages will be upgraded:
  ufw
1 upgraded, 0 newly installed, 0 to remove and 299 not upgraded.
Need to get 146 kB of archives.
After this operation, 2.048 B of additional disk space will be used.
Get:1 http://id.archive.ubuntu.com/ubuntu bionic-updates/main amd64 ufw all 0.36-0ubuntu0.18.04.2 [146 kB]
Fetched 146 kB in 1s (269 kB/s)
Preconfiguring packages ...
(Reading database ... 165062 files and directories currently installed.)
Preparing to unpack .../ufw_0.36-0ubuntu0.18.04.2_all.deb ...
Unpacking ufw (0.36-0ubuntu0.18.04.2) over (0.36-0ubuntu0.18.04.1) ...
Setting up ufw (0.36-0ubuntu0.18.04.2) ...
Processing triggers for systemd (237-3ubuntu10.52) ...
Processing triggers for man-db (2.8.3-2ubuntu0.1) ...
Processing triggers for rsyslog (8.32.0-1ubuntu4) ...
Processing triggers for ureadahead (0.100.0-21) ...
root@adp-VirtualBox:/home/adp#
```

Mengizinkan atau membuka port

ufw enable

sudo ufw allow 20/tcp

sudo ufw allow 21/tcp

sudo ufw allow 990/tcp

sudo ufw allow 40000:50000/tcp

```
root@adp-VirtualBox: /home/adp
File Edit View Search Terminal Help
root@adp-VirtualBox:/home/adp# ufw enable
Firewall is active and enabled on system startup
root@adp-VirtualBox:/home/adp# ufw allow 20/tcp
Rule added
Rule added (v6)
root@adp-VirtualBox:/home/adp# ufw allow 21/tcp
Rule added
Rule added (v6)
root@adp-VirtualBox:/home/adp# ufw allow 22/tcp
Rule added
Rule added (v6)
root@adp-VirtualBox:/home/adp# ufw allow 990/tcp
Rule added
Rule added (v6)
root@adp-VirtualBox:/home/adp# ufw allow 40000:50000/tcp
Rule added
Rule added (v6)
root@adp-VirtualBox:/home/adp# ufw status
Status: active

To Action From
--
20/tcp ALLOW Anywhere
21/tcp ALLOW Anywhere
22/tcp ALLOW Anywhere
990/tcp ALLOW Anywhere
40000:50000/tcp ALLOW Anywhere
20/tcp (v6) ALLOW Anywhere (v6)
21/tcp (v6) ALLOW Anywhere (v6)
22/tcp (v6) ALLOW Anywhere (v6)
990/tcp (v6) ALLOW Anywhere (v6)
40000:50000/tcp (v6) ALLOW Anywhere (v6)

root@adp-VirtualBox:/home/adp#
```

Membuat user khusus untuk ftp

Useradd -m namaUser

Passwd namaUser

```
root@adp-VirtualBox: /home/adp
File Edit View Search Terminal Help
root@adp-VirtualBox:/home/adp# useradd -m adiftpuser
root@adp-VirtualBox:/home/adp# passwd adiftpuser
Enter new UNIX password:
Retype new UNIX password:
passwd: password updated successfully
root@adp-VirtualBox:/home/adp#
```

Membuat folder pada namaUser

Mengatur kepemilikan

Menghapus izin menulis

Perintah memverifikasi izin

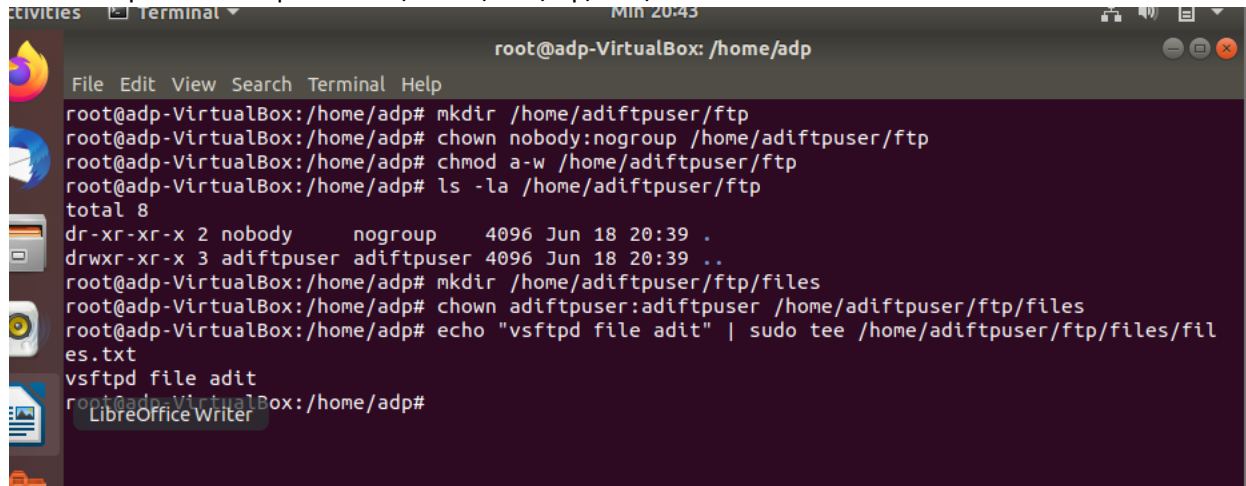
membuat file yang menyimpan direktori dan menentukan kepemilikan:

sudo mkdir /home/adiftpuser/ftp/files

sudo chown adiftpuser:adiftpuser /home/adiftpuser/ftp/files

tambahkan file tes ke direktori yang akan digunakan ketika kita ingin mengetes hal apa pun nantinya:

echo "vsftpd file adit" | sudo tee /home/alex/ftp/files/files.txt

A terminal window titled 'root@adp-VirtualBox: /home/adp' showing a series of commands to create a directory structure and write a file. The commands are: 'mkdir /home/adftpuser/ftp', 'chown nobody:nogroup /home/adftpuser/ftp', 'chmod a-w /home/adftpuser/ftp', 'ls -la /home/adftpuser/ftp' (showing a directory listing), 'mkdir /home/adftpuser/ftp/files', 'chown adftpuser:adftpuser /home/adftpuser/ftp/files', and 'echo "vsftpd file adit" | sudo tee /home/adftpuser/ftp/files/files.txt'. The final output is 'vsftpd file adit'.

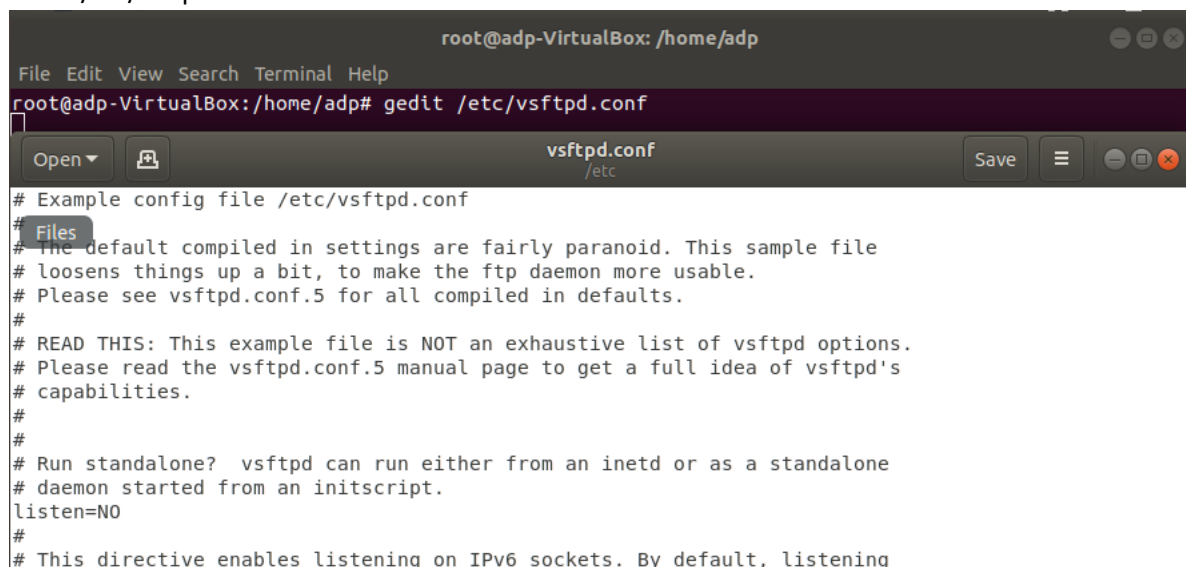
```
root@adp-VirtualBox: /home/adp# mkdir /home/adftpuser/ftp
root@adp-VirtualBox: /home/adp# chown nobody:nogroup /home/adftpuser/ftp
root@adp-VirtualBox: /home/adp# chmod a-w /home/adftpuser/ftp
root@adp-VirtualBox: /home/adp# ls -la /home/adftpuser/ftp
total 8
dr-xr-xr-x 2 nobody    nogroup   4096 Jun 18 20:39 .
drwxr-xr-x 3 adftpuser adftpuser 4096 Jun 18 20:39 ..
root@adp-VirtualBox: /home/adp# mkdir /home/adftpuser/ftp/files
root@adp-VirtualBox: /home/adp# chown adftpuser:adftpuser /home/adftpuser/ftp/files
root@adp-VirtualBox: /home/adp# echo "vsftpd file adit" | sudo tee /home/adftpuser/ftp/files/files.txt
vsftpd file adit
root@adp-VirtualBox: /home/adp#
```

Mengconfigurasi file /etc/vsftpd.conf

Bisa menggunakan dua perintah

Nano /etc/vsftpd.conf

Gedit /etc/vsftpd.conf

A Gedit editor window titled 'root@adp-VirtualBox: /home/adp' showing the contents of the file '/etc/vsftpd.conf'. The file contains a sample configuration for vsftpd, including comments and directives like 'listen=NO' and 'allow\_anonymous\_enable=NO'.

```
root@adp-VirtualBox: /home/adp# gedit /etc/vsftpd.conf

# Example config file /etc/vsftpd.conf
#
# The default compiled in settings are fairly paranoid. This sample file
# loosens things up a bit, to make the ftp daemon more usable.
# Please see vsftpd.conf.5 for all compiled in defaults.
#
# READ THIS: This example file is NOT an exhaustive list of vsftpd options.
# Please read the vsftpd.conf.5 manual page to get a full idea of vsftpd's
# 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
```

Text yang harus di rubah pada /etc/vsftpd.conf

# Allow anonymous FTP? (Disabled by default).

anonymous\_enable=NO

#

# Uncomment this to allow local users to log in.

local\_enable=YES

...

write\_enable=YES

...

...

```
chroot_local_user=YES
```

```
. . .
```

```
"
# Allow anonymous FTP? (Disabled by default).
anonymous_enable=NO
#
# 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
#
# 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

#file tambahan baru wajib di masukkan
user_sub_token=$adiftpuser
local_root=/home/$adiftpuser/ftp
pasv_min_port=40000
pasv_max_port=50000
userlist_enable=YES
userlist_file=/etc/vsftpd.userlist
userlist_deny=NO
```

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```
echo "adiftpuser" | sudo tee -a /etc/vsftpd.userlist
```

```
cat /etc/vsftpd.userlist
```

```
root@adp-VirtualBox: /home/adp
File Edit View Search Terminal Help
root@adp-VirtualBox:/home/adp# gedit /etc/vsftpd.conf
root@adp-VirtualBox:/home/adp# echo "adiftpuser" | sudo tee -a /etc/vsftpd.userlist
adiftpuser
root@adp-VirtualBox:/home/adp# cat /etc/vsftpd.userlist
adiftpuser
root@adp-VirtualBox:/home/adp# systemctl restart vsftpd
```

Restart vsftpd

Kemudian liat statusnya apakah berjalan vsftpd

```
root@adp-VirtualBox:/home/adp# systemctl restart vsftpd
root@adp-VirtualBox:/home/adp# systemctl status vsftpd
● vsftpd.service - vsftpd FTP server
   Loaded: loaded (/lib/systemd/system/vsftpd.service; enabled; vendor preset: enabled)
   Active: active (running) since Sun 2023-06-18 20:55:20 WIB; 2s ago
     Process: 7912 ExecStartPre=/bin/mkdir -p /var/run/vsftpd/empty (code=exited, status=0/SUCCESS)
    Main PID: 7913 (vsftpd)
       Tasks: 1 (limit: 4915)
      CGroup: /system.slice/vsftpd.service
              └─7913 /usr/sbin/vsftpd /etc/vsftpd.conf

Jun 18 20:55:20 adp-VirtualBox systemd[1]: Starting vsftpd FTP server...
Jun 18 20:55:20 adp-VirtualBox systemd[1]: Started vsftpd FTP server.
root@adp-VirtualBox:/home/adp# SS
```



## Menjalankan vsftpd atau core ftp

The image shows a FileZilla client window and a terminal window. The FileZilla window is connected to 192.168.100.224 with username 'adiftpuser'. The local site is C:\Users\Aditya\ and the remote site is /. The terminal window shows the user 'root@adp-VirtualBox' and the directory '/home/adiftpuser/ftp'. The terminal output shows the user attempting to upload a file '0 (1).jpg' and receiving an error: '553 Could not create file. Error: Critical file transfer error'. A dialog box 'Create empty file' is shown with the filename 'inifilebarudibua'.

**FileZilla Client Window:**

- Host: 192.168.100.224
- Username: adiftpuser
- Password: ..
- Port:
- Quickconnect:
- Status: Logged in
- Status: Retrieving directory listing...
- Status: Directory listing of "/" successful
- Local site: C:\Users\Aditya\
- Remote site: /
- Files and folders in local site: .., .ms-ad, .quokka, .VirtualBox, .vscode, .vscode-di, .wallaby, AppData, Application Data, BelajarTV, Contacts, Cookies
- Files and folders in remote site: files
- 7 files and 31 directories. Total size: 13,869,076 bytes
- 1 directory
- Queued files: Failed transfers: Successful transfers
- Queue: empty

**Terminal Window:**

```
root@adp-VirtualBox: /home/adiftpuser/ftp
root@adp-VirtualBox: /home/adp# langsung buka file zila atau aplikasi senacannya
langsung: command not found
root@adp-VirtualBox: /home/adp# cd adiftpuser
bash: cd: adiftpuser: No such file or directory
root@adp-VirtualBox: /home/adp# cd /home/adiftpuser
root@adp-VirtualBox: /home/adiftpuser# ls
examples.desktop  ftp
root@adp-VirtualBox: /home/adiftpuser# cd ftp
root@adp-VirtualBox: /home/adiftpuser/ftp# ls
files
root@adp-VirtualBox: /home/adiftpuser/ftp#
```

**FileZilla Client Window (Error):**

- Host: 192.168.100.224
- Username: adiftpuser
- Password: ..
- Port:
- Quickconnect:
- Command: STOR 0 (1).jpg
- Response: 553 Could not create file.
- Error: Critical file transfer error
- Local site: C:\Users\Aditya\Downloads\
- Remote site: /
- Files and folders in local site: Video, 0 (1).jpg, 0 (2).jpg, 0 (3).jpg, 0.jpg, 04\_Universitas ..., 1 (1).jpg, 1 (2).jpg, 1 (3).jpg, 1.jpg, 1462100172.rar, 2 (1).jpg
- Files and folders in remote site: files
- Selected 1 file. Total size: 254,702 bytes
- 1 directory
- Queued files: Failed transfers (1): Successful transfers
- Queue: empty

**Terminal Window (Error):**

```
root@adp-VirtualBox: /home/adiftpuser/ftp
root@adp-VirtualBox: /home/adp# langsung buka file zila atau aplikasi senacannya
langsung: command not found
root@adp-VirtualBox: /home/adp# cd adiftpuser
bash: cd: adiftpuser: No such file or directory
root@adp-VirtualBox: /home/adp# cd /home/adiftpuser
root@adp-VirtualBox: /home/adiftpuser# ls
examples.desktop  ftp
root@adp-VirtualBox: /home/adiftpuser# cd ftp
root@adp-VirtualBox: /home/adiftpuser/ftp# ls
files
root@adp-VirtualBox: /home/adiftpuser/ftp#
```

**Create empty file dialog:**

Please enter the name of the file which should be created:

inifilebarudibua

OK Cancel

