

ftpuser@192.168.59.147 - FileZilla

File Edit View Transfer Server Bookmarks Help

Host: 192.168.59.147

Username: ftpuser

Password: ****

Port:

Quickconnect

Status: Retrieving directory listing of "/var"...

Status: Directory listing of "/var" successful

Status: Retrieving directory listing of "/tmp"...

Status: Directory listing of "/tmp" successful

Local site: C:\Users\Prasad\

defaultuser100000

Prasad

Public

Windows

D: (New Volume)

E: (New Volume)

F: (New Volume)

H:

Remote site: /home/ftpuser

ftpuser

lib

lib64

media

mnt

opt

proc

root

Filename	Filesize	Filetype	Last modified
.			
.anaconda		File folder	22-02-2020 12...
.android		File folder	15-03-2023 12...
.cache		File folder	27-06-2023 2.2...
.conda		File folder	13-04-2022 4.1...
.config		File folder	22-02-2020 3.4...
.continuum		File folder	19-03-2022 2.1...
.eclipse		File folder	05-04-2022 2.1...
.gradle		File folder	10-03-2023 12...
.idea		File folder	08-09-2023 3.4...
.idlrc		File folder	22-07-2023 7.0...
.ipynb_checkpoints		File folder	22-07-2023 7.1...
.ipython		File folder	22-02-2020 12...
.jupyter		File folder	24-05-2021 5.1...
.keras		File folder	02-04-2022 2.5...

74 files and 66 directories. Total size: 194,957,792 bytes

Filename	Filesize	Filetype	Last modified	Permissi...	Owner/Gr...
.					
tmpfile	0	File	04-11-2023...	-rw-r--r--	1001 1001
f1.txt	22	Text Doc...	04-11-2023...	-rw-r--r--	1001 1001
client	0	File	04-11-2023...	-rw-r--r--	1001 1001

3 files. Total size: 22 bytes

Server/Local file

Dir...

Remote file

Size

Priority

Status

Queued files

Failed transfers

Successful transfers (4)

Type here to search

Queue: empty

04:12 PM

04-11-2023

```
ftuser@server:~$ login as: sunbeam
sunbeam@192.168.59.147's password:
Web console: https://server:9090/ or https://192.168.59.147:9090/

Last login: Thu Oct 19 09:37:07 2023
[sunbeam@server ~]$ sudo rpm -q vsftpd
[sudo] password for sunbeam:
package vsftpd is not installed
[sunbeam@server ~]$
[sunbeam@server ~]$ cd /etc/yum.repos.d
[sunbeam@server yum.repos.d]$ sudo rm *
[sunbeam@server yum.repos.d]$ sudo wget http://192.168.0.51/base-lan.repo
--2023-11-04 14:49:27-- http://192.168.0.51/base-lan.repo
Connecting to 192.168.0.51:80... connected.
HTTP request sent, awaiting response... 200 OK
Length: 103
Saving to: 'base-lan.repo'

base-lan.repo      100%[=====>]    183  --.-KB/s  in 0s

2023-11-04 14:49:27 (20.9 MB/s) - 'base-lan.repo' saved [183/183]

[sunbeam@server yum.repos.d]$ sudo wget http://192.168.0.51/updates-lan.repo
--2023-11-04 14:49:37-- http://192.168.0.51/updates-lan.repo
Connecting to 192.168.0.51:80... connected.
HTTP request sent, awaiting response... 200 OK
Length: 179
Saving to: 'updates-lan.repo'

updates-lan.repo   100%[=====>]    179  --.-KB/s  in 0s

2023-11-04 14:49:37 (25.1 MB/s) - 'updates-lan.repo' saved [179/179]

[sunbeam@server yum.repos.d]$ sudo yum install vsftpd
Fedora 37 - x86_64 | DITISS - SunBeam 67 MB/s | 68 MB 00:01
Fedora 37 - x86_64 - Updates | DITISS - SunBeam 34 MB/s | 40 MB 00:01
Last metadata expiration check: 0:00:15 ago on Saturday 04 November 2023 02:50:26 PM.
Dependencies resolved.
=====
Package                               Architecture Version Repository Size
=====
Installing:
vsftpd                               x86_64      3.0.5-4.fc37 updates-lan 167 k
=====
Transaction Summary
-----
Install 1 Package

Total download size: 167 k
Installed size: 348 k
```

```
ftuser@server:~$ cd ~
[sunbeam@server ~]$ sudo vim /etc/vsftpd/vsftpd.conf
[sudo] password for sunbeam:
[sunbeam@server ~]$ sudo vim /etc/vsftpd/chroot_list
[sudo] password for sunbeam:
[sunbeam@server ~]$ sudo useradd ftpuser
[sudo] password for sunbeam:
[sunbeam@server ~]$ echo "ftuser:test" | sudo chpasswd
[sunbeam@server ~]$ sudo firewall-cmd --add-service=ftp --permanent
success
[sunbeam@server ~]$ sudo firewall-cmd --add-port=21000-21010/tcp --permanent
Error: INVALID PORT: =21000-21010
[sunbeam@server ~]$ sudo firewall-cmd --add-port=21000-21010/tcp --permanent
success
[sunbeam@server ~]$ sudo firewall-cmd --reload
success
[sunbeam@server ~]$ sudo firewall-cmd --list-ports
21000-21010/tcp
[sunbeam@server ~]$
[sunbeam@server ~]$ sudo systemctl enable vsftpd
Created symlink /etc/systemd/system/multi-user.target.wants/vsftpd.service → /usr/lib/systemd/system/vsftpd.service.
[sunbeam@server ~]$ sudo systemctl start vsftpd
[sunbeam@server ~]$ sudo systemctl status vsftpd
● vsftpd.service - Vsftpd ftp daemon
   Loaded: loaded (/usr/lib/systemd/system/vsftpd.service; enabled; preset: disabled)
   Active: active (running) since Sat 2023-11-04 15:54:46 IST; 5s ago
     Process: 1549 ExecStart=/usr/sbin/vsftpd /etc/vsftpd/vsftpd.conf (code=exited, status=0/SUCCESS)
    Main PID: 1550 (vsftpd)
       Tasks: 1 (limit: 4607)
      Memory: 724.0K
         CPU: 4ms
    CGroup: /system.slice/vsftpd.service
            └─1550 /usr/sbin/vsftpd /etc/vsftpd/vsftpd.conf

Nov 04 15:54:46 server systemd[1]: Starting vsftpd.service - Vsftpd ftp daemon...
Nov 04 15:54:46 server systemd[1]: Started vsftpd.service - Vsftpd ftp daemon.
[sunbeam@server ~]$
[sunbeam@server ~]$ su ftpuser
Password:
[ftuser@server sunbeam]$ cd ~
[ftuser@server ~]$ cat > fl.txt
THIS is ftpuser file!
[ftuser@server ~]$ ls
fl.txt
[ftuser@server ~]$ exit
exit
[sunbeam@server ~]$ ls
[sunbeam@server ~]$ su ftpuser
Password:
```

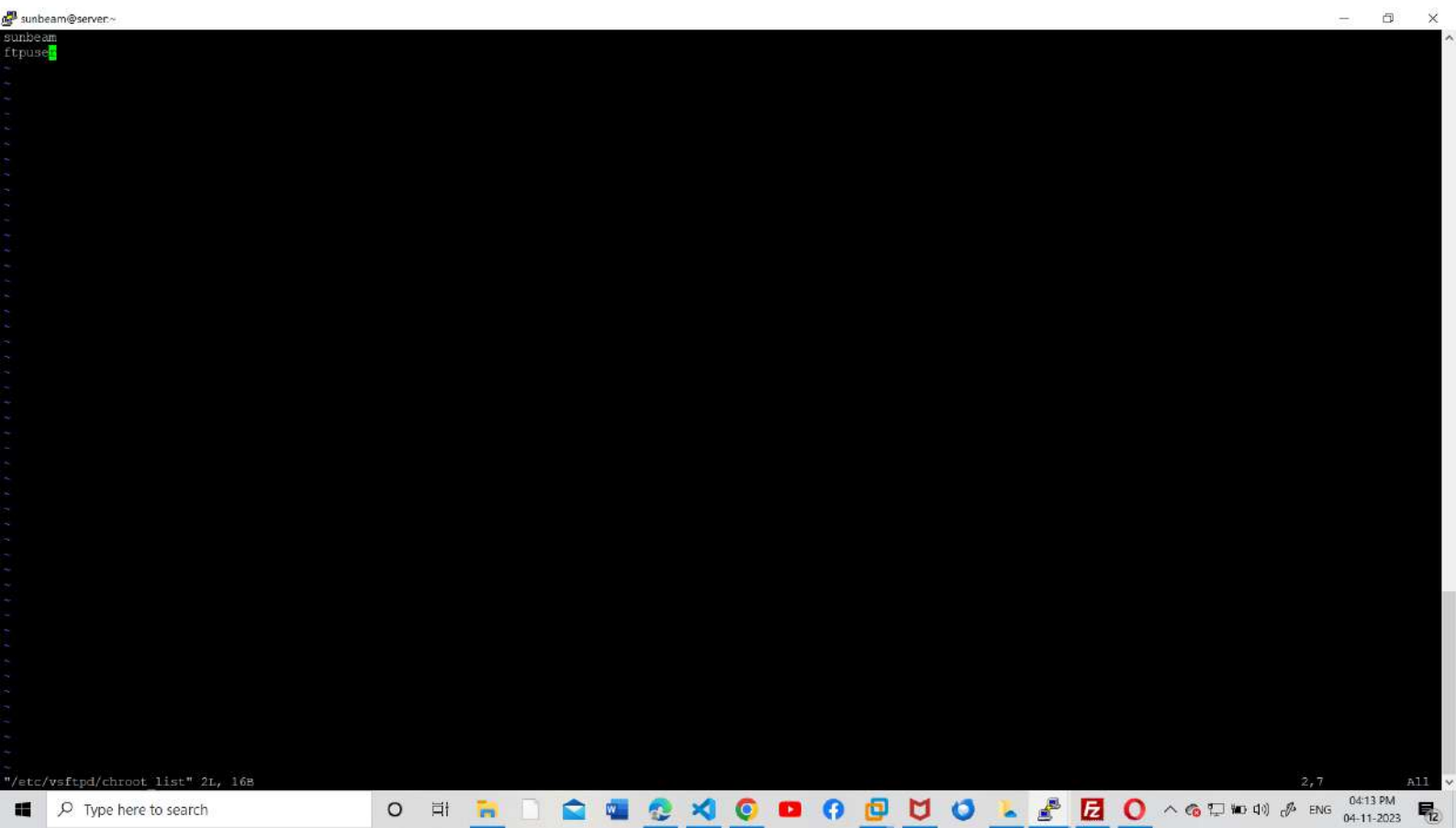
```
ftuser@server:~$ sudo systemctl start vsftpd
ftuser@server:~$ sudo systemctl status vsftpd
● vsftpd.service - Vsftpd ftp daemon
   Loaded: loaded (/usr/lib/systemd/system/vsftpd.service; enabled; preset: disabled)
   Active: active (running) since Sat 2023-11-04 15:54:46 IST; 5s ago
     Process: 1549 ExecStart=/usr/sbin/vsftpd /etc/vsftpd/vsftpd.conf (code=exited, status=0/SUCCESS)
    Main PID: 1550 (vsftpd)
      Tasks: 1 (limit: 4607)
     Memory: 724.0K
        CPU: 4ms
    CGroup: /system.slice/vsftpd.service
            └─1550 /usr/sbin/vsftpd /etc/vsftpd/vsftpd.conf

Nov 04 15:54:46 server systemd[1]: Starting vsftpd.service - Vsftpd ftp daemon...
Nov 04 15:54:46 server systemd[1]: Started vsftpd.service - Vsftpd ftp daemon.
[ftuser@server ~]$
[ftuser@server ~]$ su ftuser
Password:
[ftuser@server sunbeam]$ cd ~
[ftuser@server ~]$ cat > fl.txt
This is ftuser file!
[ftuser@server ~]$ ls
fl.txt
[ftuser@server ~]$ exit
exit
[ftuser@server ~]$ ls
[ftuser@server ~]$ su ftuser
Password:
[ftuser@server sunbeam]$ ls
ls: cannot open directory '.': Permission denied
[ftuser@server sunbeam]$ sudo ls

We trust you have received the usual lecture from the local System
Administrator. It usually boils down to these three things:

#1) Respect the privacy of others.
#2) Think before you type.
#3) With great power comes great responsibility.

[sudo] password for ftuser:
ftuser is not in the sudoers file.
[ftuser@server sunbeam]$ cd ~
[ftuser@server ~]$ ls
fl.txt
[ftuser@server ~]$ ls
client fl.txt
[ftuser@server ~]$ ls
client fl.txt tmpfile
[ftuser@server ~]$
```



```
sunbeam@server:~$ cat /etc/vsftpd/vsftpd.conf
# This is the default configuration file for the vsftpd daemon. This sample file
# contains things up & ready to make the ftp daemon very secure.
# Please see vsftpd.conf.5 for all compiled in defaults.

# Some things that vsftpd file is NOT an advertisement for of vsftpd options.
# Please read the vsftpd.conf.5 manual page to get a full idea of vsftpd's
# capabilities.

# Allow anonymous FTP (warning - allowed by default if you comment this out).
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

# Default umask for local users is 022. You may want to change this to 020.
# If your system supports the 'umask' command, you may want to use it.
local_umask=022

# Uncomment this to allow the anonymous FTP user to upload files. This only
# has an effect if the above global write option is enabled. Also, you will
# obviously need to make a directory writable by the FTP user.
# See README for referring to the file and the file's permissions.
allow_upload_only=NO

# Uncomment this if you want the anonymous FTP user to be able to create
# new directories.
# anon_dirmask=077

# Allow directory listing - WARNING: gives a user access to the
# contents of the local directory.
dirmessage_enable=YES

# Remove logging of uploads/downloads
xferlog_enable=NO

# Make sure you consider permissions on port 20 (ftp-data)
connect_from_port_20=YES

# If you want, you can disable the uploaded anonymous files to be owned by
# the ftp user. This is done by setting "local_umask" to 020.
# See README for referring to the file and the file's permissions.
local_umask=020

# Local umask=020
# Local umask=020
```

```
sunbeam@server:~$ xferlog_enable=YES

# Note that XFER logfiles continuously fragment from port 20 (ftp-data).
connect_from_port_20=YES

# If you want, you can generate the optimized anonymous files to be used by
# a different user. When using "root" for anonymous files is not
# recommended.
# User: anonymous
# Group: anonymous
# This may require root and may fail even if you have. The default is root.
# Below.
# Set the file name for logging.
# If you want, you can have your log file in standard ftpd logging format.
# Note that the default log file location is /var/log/ftpd. In this case
xferlog_std_format=YES

# You may change the default value for taking out an idle session.
# idle_session_timeout=450

# You may change the default value for taking out a data connection.
# data_connection_timeout=30

# It is recommended that you define at least one write mode with the
# ftp modes can use as a totally restricted and unprivileged mode.
# write_mode=ftpwrite

# Enable this and the server will respond to all the ASCII mode and it will respond
# the request. Turn on the below options to have the server actually do ASCII
# uploads or files when in ASCII mode. The write_mode can have duplicate
# the behavior when these options are disabled.
# Enable that on some FTP servers, ASCII support allows a transfer of sessions.
# Write Mode: the common "write" mode is ASCII. The
# production like attack and can always have, requiring the use of the
# log file.
# ASCII mode is a better choice of the problem.
ascii_upload_enable=YES
ascii_download_enable=YES

# You may fully customize the look of the server.
# The banner=welcome to the FTP service.
```



```
sunbeam@client/tmp
login as: sunbeam
sunbeam@192.168.59.151's password:
Web console: https://client:9090/ or https://192.168.59.151:9090/

Last login: Wed Nov  1 16:55:08 2023 from 192.168.59.1
[sunbeam@client ~]$ history
 1 clear
 2 ip a
 3 clear
 4 hostname
 5 ip a
 6 passwd sunbeam
 7 exit
 8 clear
 9 sudo vim /etc/issue
10 hostnamectl hostname server
11 init 6
12 init 0
13 hostnamectl hostname client
14 init 6
15 init 0
16 history
[sunbeam@client ~]$
[sunbeam@client ~]$
[sunbeam@client ~]$ cd /etc/yum.repos.d
[sunbeam@client yum.repos.d]$ sudo rm *
[sudo] password for sunbeam:
[sunbeam@client yum.repos.d]$ sudo wget http://192.168.0.51/base-lan.repo
--2023-11-04 15:56:08-- http://192.168.0.51/base-lan.repo
Connecting to 192.168.0.51:80... connected.
HTTP request sent, awaiting response... 200 OK
Length: 183
Saving to: 'base-lan.repo'

base-lan.repo  100%[=====>] 183  --KB/s  in 0s

2023-11-04 15:56:08 (12.3 MB/s) - 'base-lan.repo' saved [183/183]

[sunbeam@client yum.repos.d]$ sudo wget http://192.168.0.51/updates-lan.repo
--2023-11-04 15:56:19-- http://192.168.0.51/updates-lan.repo
Connecting to 192.168.0.51:80... connected.
HTTP request sent, awaiting response... 200 OK
Length: 179
Saving to: 'updates-lan.repo'

updates-lan.repo  100%[=====>] 179  --KB/s  in 0s

2023-11-04 15:56:19 (12.1 MB/s) - 'updates-lan.repo' saved [179/179]

[sunbeam@client yum.repos.d]$ sudo yum install ftp
```

```
sunbeam@client/tmp
Preparing      : 1/1
Installing     : ftp-0.17-90.fc37.x86_64 1/1
Running scriptlet: ftp-0.17-90.fc37.x86_64 1/1
Verifying      : ftp-0.17-90.fc37.x86_64 1/1

Installed:
ftp-0.17-90.fc37.x86_64

Complete!
[sunbeam@client yum.repos.d]$
[sunbeam@client yum.repos.d]$
[sunbeam@client yum.repos.d]$
[sunbeam@client yum.repos.d]$ cd ~
[sunbeam@client ~]$ ftp 192.168.59.147
Connected to 192.168.59.147 (192.168.59.147).
220 (vsFTPd 3.0.5)
Name (192.168.59.147:sunbeam): ftpuser
331 Please specify the password.
Password:
230 Login successful.
Remote system type is UNIX.
Using binary mode to transfer files.
ftp> ls
227 Entering Passive Mode (192,168,59,147,82,15).
150 Here comes the directory listing.
226 Directory send OK.
ftp> pwd
257 "/home/ftpuser" is the current directory
ftp> cat > f1.txt
?Invalid command
ftp> get f1.txt
local: f1.txt remote: f1.txt
227 Entering Passive Mode (192,168,59,147,82,12).
150 Opening BINARY mode data connection for f1.txt (22 bytes).
226 Transfer complete.
22 bytes received in 3.1e-05 secs (709.68 Kbytes/sec)
ftp> ls
227 Entering Passive Mode (192,168,59,147,82,8).
150 Here comes the directory listing.
-rw-r--r-- 1 1001 1001 22 Nov 04 16:01 f1.txt
226 Directory send OK.
ftp> put f1.txt
local: f1.txt remote: f1.txt
227 Entering Passive Mode (192,168,59,147,82,11).
150 Ok to send data.
226 Transfer complete.
22 bytes sent in 6.2e-05 secs (354.84 Kbytes/sec)
ftp> ls
227 Entering Passive Mode (192,168,59,147,82,18).
150 Here comes the directory listing.
```

```
sunbeam@client/tmp
Connected to 192.168.59.147 (192.168.59.147).
220 (vsFTPD 3.0.5)
Name (192.168.59.147:sunbeam): ftpuser
331 Please specify the password.
Password:
230 Login successful.
Remote system type is UNIX.
Using binary mode to transfer files.
ftp> put client
local: client remote: client
227 Entering Passive Mode (192,168,59,147,82,13).
150 Ok to send data.
226 Transfer complete.
ftp> exit
221 Goodbye.
[sunbeam@client ~]$ ls
client fl.txt
[sunbeam@client ~]$ cd /tmp/
[sunbeam@client tmp]$ ls
systemd-private-312368a5266742dbbb611444a45dc576-blutetooth.service-T05KMJ
systemd-private-312368a5266742dbbb611444a45dc576-chronyd.service-2f8azP
systemd-private-312368a5266742dbbb611444a45dc576-dbus-broker.service-4mLEbX
systemd-private-312368a5266742dbbb611444a45dc576-httpd.service-JZHLoY
systemd-private-312368a5266742dbbb611444a45dc576-ModemManager.service-DmshpW
systemd-private-312368a5266742dbbb611444a45dc576-systemd-logind.service-yObxr0
systemd-private-312368a5266742dbbb611444a45dc576-systemd-oomd.service-prop5t
systemd-private-312368a5266742dbbb611444a45dc576-systemd-resolved.service-15hSob
swara-root 765-4281712171
[sunbeam@client tmp]$ touch tmpfile
[sunbeam@client tmp]$ ftp 192.168.59.147
Connected to 192.168.59.147 (192.168.59.147).
220 (vsFTPD 3.0.5)
Name (192.168.59.147:sunbeam): ftpuser
331 Please specify the password.
Password:
230 Login successful.
Remote system type is UNIX.
Using binary mode to transfer files.
ftp> put tmpfile
local: tmpfile remote: tmpfile
227 Entering Passive Mode (192,168,59,147,82,16).
150 Ok to send data.
226 Transfer complete.
ftp> /home/sunbeam/client
?Invalid command
ftp> put /home/sunbeam/client
local: /home/sunbeam/client remote: /home/sunbeam/client
227 Entering Passive Mode (192,168,59,147,82,9).
553 Could not create file.
ftp>
```

```
sunbeam@client/tmp
331 Please specify the password.
Password:
230 Login successful.
Remote system type is UNIX.
Using binary mode to transfer files.
ftp> put client
local: client remote: client
227 Entering Passive Mode (192,168,59,147,82,13).
150 Ok to send data.
226 Transfer complete.
ftp> exit
221 Goodbye.
[sunbeam@client ~]$ ls
client fl.txt
[sunbeam@client ~]$ cd /tmp/
[sunbeam@client tmp]$ ls
systemd-private-312368a5266742dbbb611444a45dc576-blutetooth.service-T05KMJ
systemd-private-312368a5266742dbbb611444a45dc576-chronyd.service-Zf8uzP
systemd-private-312368a5266742dbbb611444a45dc576-dbus-broker.service-4mLRbX
systemd-private-312368a5266742dbbb611444a45dc576-httpd.service-JERLoV
systemd-private-312368a5266742dbbb611444a45dc576-ModemManager.service-UmsbpW
systemd-private-312368a5266742dbbb611444a45dc576-systemd-logind.service-yOhxr0
systemd-private-312368a5266742dbbb611444a45dc576-systemd-oomd.service-propSt
systemd-private-312368a5266742dbbb611444a45dc576-systemd-resolved.service-15hBoB
vmware-root.755-4281712171
[sunbeam@client tmp]$ touch tmpfile
[sunbeam@client tmp]$ ftp 192.168.59.147
Connected to 192.168.59.147 (192.168.59.147).
220 (waFTPD 3.0.5)
Name (192.168.59.147:sunbeam): ftpuser
331 Please specify the password.
Password:
230 Login successful.
Remote system type is UNIX.
Using binary mode to transfer files.
ftp> put tmpfile
local: tmpfile remote: tmpfile
227 Entering Passive Mode (192,168,59,147,82,16).
150 Ok to send data.
226 Transfer complete.
ftp> /home/sunbeam/client
?Invalid command
ftp> put /home/sunbeam/client
local: /home/sunbeam/client remote: /home/sunbeam/client
227 Entering Passive Mode (192,168,59,147,82,9).
553 Could not create file.
ftp> exit
421 Timeout.
[sunbeam@client tmp]$
[sunbeam@client tmp]$
```