

Contents

- [1 Requirements](#)
- [2 Preparation](#)
- [3 Installing vsftpd](#)
- [4 Installing uclibc](#)
- [5 Config File](#)
- [6 USER "nobody"](#)
- [7 Start script for vsftpd](#)
- [8 Changes to startup section](#)
- [9 Firewall settings](#)

Requirements

First be sure that you have enough memory free. Because of this I describe the installation on SD-cards (/mmc). For sure you can also use your SMBshare-dir. Additionally this procedure will show how to install even the needed ipkg packages on the SD-card.

It is also possible to replace every occurrences of (/mmc) with (/jffs) if you have it enabled.

Preparation

For ipkg we will need the following directories on the SD-Card:

```
mkdir /mmc/jffs
mkdir /mmc/jffs/tmp
mkdir /mmc/jffs/tmp/ipkg
```

Installing vsftpd

Installation of vsftpd-Server from downloads.openwrt.org

```
ipkg -d /mmc/jffs install http://URL\_2\_vsftpd
```

Please ensure using the correct URL to the vsftpd-package. Ignore the warnings during ipkg-installation.

Installing uclibc

Because of not running with the standard-libs of DD-WRT we will install uclibc for use with vsftpd:

```
ipkg -d /mmc/jffs install http://URL\_2\_uclibc
```

Unsure the correct URL to uclibc again!

Installing uclibc

Config File

For anon login use the following in your vsftpd.conf file. Before you use this realize you will be giving anon login FULL ACCESS

Use **vi /mmc/jffs/etc/vsftpd.conf** to open file

```
anon_mkdir_write_enable=YES
anon_upload_enable=YES
no_anon_password=YES
anon_world_readable_only=NO
# leave this as / needs to be nonwritable
anon_root=/
# you might have to make this dir
secure_chroot_dir=/jffs/var/run/vsftpd
ftp_username=root
nopriv_user=root
background=YES
listen=YES
anonymous_enable=YES
local_enable=YES
write_enable=YES
local_umask=022
check_shell=NO
dirmessage_enable=YES
ftpd_banner=ROUTER
```

If you would like to use root only use the following:

```
# you might have to make this dir
secure_chroot_dir=/jffs/var/run/vsftpd
ftp_username=root
nopriv_user=root
background=YES
listen=YES
anonymous_enable=NO
local_enable=YES
write_enable=YES
local_umask=022
check_shell=NO
dirmessage_enable=YES
ftpd_banner=ROUTER
```

USER "nobody"

Attention, User name ?nobody? must be put on, otherwise cannot work vsftpd correctly.

User ?nobody? put on:

```
echo "nobody:Password:0:0:User,,,:/mmc:/bin/sh" >> /tmp/etc/passwd
```

(if you are using the onboard memory, replace mmc: by root:)

Start script for vsftpd

The following script starts vsftpd using the libuclibc:

```
export LD_PRELOAD='/mmc/jffs/lib/libuclibc-0.9.27.so'  
/mmc/jffs/usr/sbin/vsftpd /mmc/jffs/etc/vsftpd.conf  
unset LD_PRELOAD  
env > /dev/null
```

In the second line, the server is started using its config file. Please refer to the [vsftpd manpage](#) to learn more about this.

Save the script in your router (here: /mmc/progs/ftpserver/start).

Don't forget to give the execute privilege (chmod x start).

Changes to startup section

Please be sure the ftp-server is working properly before changing the startup for the router.

Go to Administration - Commands in the router's config and add the following lines to the startup section :

```
cd /mmc/progs/ftpserver  
./start
```

(there are other ways to use [Startup Scripts](#))

Firewall settings

To get the FTP-Server enabled from WAN side add the following line to the firewall section:

```
/usr/sbin/iptables -I INPUT 1 -p tcp --dport 21 -j logaccept
```