ftpd

COLLABORATORS

	TITLE : ftpd		
ACTION	*NAME*	*DATE*	*SIGNATURE*
WRITTEN BY		August 15, 2022	

REVISION HISTORY

NUMBER	DATE	DESCRIPTION	NAME

Contents

Chapter 1

ftpd

1.1 ftpd.guide

                                        ftpd v1.2

                    a ftpd for AmiTCP 3.0b2 or higher

                        ported by Magnus Lilja

            COPYRIGHTS
                            Copyrights.

            Distribution
                        Distribution and status notes.

            Overview
                            Why another ftp-daemon for AmiTCP?

            Installation
                        How to install this thing

            Options
                            Program options.

            Bugreports
                        How to reach the author.

            History
                            Version history and 'to do'-list.

            Thanks
                            Thanks goes to..

1.2 ftpd.guide/COPYRIGHTS

```
Copyrights
==========
```

   This ftpd is ported to AmiTCP using a source that is

   AmiTCP version of ftpd is

1.3   ftpd.guide/Distribution

```
Distribution
============
```

   This ftpd is Freeware, you may copy and spread it freely as long as
you don't make a profit of it. That means you should only charge for
the actual costs, like disk + p&p.

   The AmiTCP-group has permission to include this package in
AmiTCP-releases.

   The source is not available at the moment, though you can find the

original bsd-source at many ftp-sites. I found it on:

    unix.hensa.ac.uk:/pub/uunet/systems/unix/bsd-sources/libexec/ftpd

    If you would like to support the author you may send postcards,
money, harddisks :), etc to:

      Magnus Lilja
      Alsattersgatan 9C:17
      S-582 51 LINKOPING
      SWEDEN

    or send an email to: lilja@lysator.liu.se

1.4 ftpd.guide/Overview

Overview
========

    Why a new port of ftpd?

    I wasn't happy with the old one, there was no logging option (at
least I didn't find it) and a couple of other things, so I started
porting this one instead.

    This ftpd offers:

    * Log every connection that is made to ftpd (to AmiTCP-log).

    * Log all file-transfers in AmiTCP:log/xferlog

    * Supports all ftp-commands (not everyone has been tested though).

    * You can have a file with usernames that are not allowed to use the
      ftpd.

    * Totally protect some directories from reading/writing even if you
      don't have MuFS installed on them.

    * Options to turn on/off debugging, logging and transferlogging.

    * Supports timeout (ftpd exits if the user has been idle for more
      that <timeout> seconds).

    ftpd needs:

    * AmiTCP 3.0beta2 or higher.

    * and optionally, for better security, MultiUser v39 or higher.

    The protection is not 100%, but hopefully it's enough for your
needs. Note that all ftp-commands are implemented, like removedir
makedir rename etc. An anonymous ftp-user cannot use makedir/removedir
or rename/delete a file.

1.5 ftpd.guide/Installation

```
                Installation
============

  Installation is very simple:

 1. Copy ftpd to AmiTCP:Serv/

 2. Edit inetd.conf to look something like this:

    ftp        stream       tcp nowait root AmiTCP:Serv/ftpd ftpd -x -b30

    Look in
              Options
               for information about the different options.

 3. Make sure that every user that should be able to use the ftpd has
    an entry in both AmiTCP:db/passwd and your Multiuser-passwd file.
    The passwords must be the same. This is annoying, I know that, but
    hopefully AmiTCP and MuFS will use the same passwd-crypt algorithm
    in the future.  Important: You cannot just copy the passwd-files
    since MuFS and AmiTCP uses different password-encryption routines
    (at least AmiTCP 3.0b2 and MuFS <1.7). This will hopefully change
    in the future.  Make sure that the user 'ftp' is present in both
    files if you want to allow anonymous ftp logins.

 4. If you want a transfer-log then make sure that everyone can write
    to it (AmiTCP:log/xferlog).

 5. If you want a wtmp-file, like on UNIX, then create the file
    AmiTCP:log/wtmp.

 6. Edit ftpusers and put it in AmiTCP:db/. No user that is listed in
    this file can use the ftpd.

 7. Edit ftpdir and copy it in AmiTCP:db/. Anonymous ftp-users will
    only be able to access directories that are present in this file.
    If you don't create a ftpdir-file anonymous users can access every
    dir on your system.

 8. Make sure that inetd has read the new inetd.conf by sending a
    CTRL-F to it, with 'break x F', where x is the processnumber of
    inetd.

 9. ftpd looks for a list command named 'ls' in your path. The ls
    command should at least support the following flags:
         '-l'    produce long listing.
         '-A'    show all files
    The original AmiTCP:bin/ls handle these options.

  Now you are ready to use the new ftpd!
```

1.6 ftpd.guide/Options

```
Options
=======
```

   It's possible to send arguments to ftpd via inetd.conf:

```
ftp        stream      tcp nowait root dh1:tcp/bsdftpd/ftpd ftpd -x -b30
```

   These are the options that are recognized by ftpd:

      -d,-v Turns on debug-mode. A lot of info will show up in AmiTCP-log.

      -l   Turns on logging, ftpd will show things like 'user lilja logged
             in from xxxx' in the AmiTCP-log.

      -x   Activates file-transfer logging, the log-file is
             AmiTCP:log/xferlog.

      -bnnn Specifies how large buffer ftpd should use when sending/receiving ↩
         files.
             The buffer will be nnn*512 bytes long. Default is nnn=10. This
             was added in order to speed up file-transfers.

      -tnn   Timeout in seconds. ftpd will exit when the user has been idle for
             nn seconds.

      -Tnn   Maximum timeout, the timeout setting must be below nn seconds.

      -u   Set umask (has no affect on Amiga version yet).

      -G   Allow uploads by anonymous users (the default is not to allow ↩
         anonymous users to upload stuff).

1.7 ftpd.guide/Bugreports

```
Bugreports
==========
```

   If you have any thoughts or suggestions concerning this port of ftpd
then don't hesitate to write me an email, bug-reports are also welcome
:)

   Please send detailed bug-reports, that makes it easier for me to
track the problem.

(email: lilja@lysator.liu.se)

1.8 ftpd.guide/History

```
History
=======

v1.2
  - Changed internal function of timeouts.

v1.1 released 1994-06-16
  - Implemented timeouts. The ftpd will now exit when the user has
    been idle for <timeout> seconds. You can change the timeout-value
    with the -t option. Default is 900 seconds.

  - 'cd .' 'cd ..' now works.

v1.04 released 1994-06-10
  - Major bug-fix. ftpd could trash your memory-list when you
    put-files with it. Finally I have found the bug and corrected it.

v1.03 released 1994-06-09
  - MAJOR CHANGE: The ftppart file is obsolete. Use the file ftpdir in
    order to define which directories that anonymous ftpusers should
    be _allowed_ access to.

  - Anonymous users cannot remove/rename files/dirs.

  - If you want to allow anonymous uploads you have to use the new 'G'
    option when starting ftpd.

  - SYST now returns AmigaOS, instead of 'UNKNOWN Type: L8'.

v1.02 released 1994-05-29
  - Updated ftpd to use the new startup-code from AmiTCP-3.0b2.

  - Major bug fixed. If you PUT a file and there wasn't enough space
    left on disk ftpd would cause a GURU. This was because I didn't do
    a pr->pr_WindowPtr=-1 when the ftpd was started.

  - The buffer option now also turns on buffers when the ftpd is
    receiving files.

  - mget and ls with wildcards works now. The problem was that in the
    DIR structure the dd_fd field wasn't a filedescription as it
    should be. Shame on you SAS/C!

  - ftpd no longer needs MultiUser but if you want better security
    then I recommend muFS.

v1.0 released 1994-04-30
  - Initial release.

To do:

  Wildcards doesn't work with ls ('ls ami*').
```

1.9 ftpd.guide/Thanks

```
Thanks
======

    Many thanks to:

        AmiTCP-Group           For a great package, and for the help you provided!

        SAS/C                  Good compiler, although I want fcntl() and ioctl()
                               functions :)

        Andreas Johansson      for help with debugging.

        Patrik Lantto         for the port of GNU-ls.
```