

Proxy FTP script

Basic shell script

```
#!/bin/bash

#The following line points to where the PingER measurements are to be found
cd /afs/slac.stanford.edu/u/sf/pinger/ftp

HOST=ftp.slac.stanford.edu #This is the FTP servers host or IP address.
USER=anonymous #This is the FTP user that has access to the server.
PASS=saqibutm@outlook.com #This is the password for the FTP user.

# Call 1. Uses the ftp command with the -inv switches.
#-i turns off interactive prompting.
#-n Restrains FTP from attempting the auto-login feature.
#-v enables verbose and progress.

ftp -inv $HOST << EOF

# Call 2. Here the login credentials are supplied by calling the variables.

user $USER $PASS

cd incoming
cd pinger
mkdir temp
cd temp
dir
binary
put ping-2018-05.txt
dir
quit
# End FTP Connection
bye

EOF
```

Results from shell script

```
retaylor:Desktop cottrell$ bin/copy.sh
bin/copy.sh: line 2: cd: /afs/slac.stanford.edu/u/sf/pinger/ftp: No such file or directory
Connected to ftp.slac.stanford.edu.
220-=====
220-                                NOTICE TO USERS
220-
...
220-=====
220 FTP server ready.
331 Anonymous login ok, send your complete email address as your password
230-=====
230-
230-Stanford Linear Accelerator Center Anonymous FTP Server
230-
230-=====
230-
...
230-=====
230-Anonymous access granted, restrictions apply
230-Please read the file README
230-  it was last modified on Wed Nov 27 02:12:42 2002 - 5678 days ago
230-Please read the file README.LC02
230-  it was last modified on Mon Jan 28 22:48:21 2002 - 5981 days ago
230-Please read the file README.incoming
230-  it was last modified on Thu Nov 14 19:38:30 2002 - 5691 days ago
230-Please read the file README.outgoing
230-  it was last modified on Mon Mar 10 20:52:44 2003 - 5575 days ago
230-Please read the file README.tip_inbox
230-  it was last modified on Fri Jul 6 22:09:28 2001 - 6187 days ago
Remote system type is UNIX.
Using binary mode to transfer files.
```

```

250-CWD command successful
250-Please read the file README
250   it was last modified on Thu Nov 14 19:38:30 2002 - 5691 days ago
250 CWD command successful
257 "/incoming/pinger/temp" - Directory successfully created
250 CWD command successful
229 Entering Extended Passive Mode (|||35662|)
150 Opening ASCII mode data connection for file list
dr-xr-xr-x  2 ftp      ftp           2048 Jun 14 14:41 .
dr-xr-xr-x  6 ftp      ftp           2048 Jun 14 14:41 ..
226 Transfer complete
200 Type set to I
local: ping-2018-05.txt remote: ping-2018-05.txt
229 Entering Extended Passive Mode (|||45972|)
150 Opening BINARY mode data connection for ping-2018-05.txt
100% |*****| 70241 KiB   41.66 KiB/s   00:00 ETA
226 Transfer complete
71927591 bytes sent in 28:10 (41.55 KiB/s)
229 Entering Extended Passive Mode (|||45625|)
150 Opening ASCII mode data connection for file list
dr-xr-xr-x  2 ftp      ftp           2048 Jun 14 14:41 .
dr-xr-xr-x  6 ftp      ftp           2048 Jun 14 14:41 ..
-r--r--r--  1 ftp      ftp           71927591 Jun 14 15:09 ping-2018-05.txt
226 Transfer complete
221 Goodbye.
retaylor:Desktop cottrell$ ssh pinger@pinger.slac.stanford.edu
pinger@pinger.slac.stanford.edu's password:
Last login: Thu Jun 14 08:12:15 2018 from adsl-99-152-56-78.dsl.pltn13.sbcglobal.net
=====
                        NOTICE TO USERS
This is a Federal computer system and is the property of the United States
...
=====
RHEL Workstation 6.4 (Santiago) 2.6.32-696.18.7.el6.i686 (4x2599MHz VMware Virtual Platform)
=====
pinger@pinger $ ls -l /afs/slac/public/incoming/pinger/
total 127029
-rw-r--r--  1    32766 nobody 58141147 Jun 13 15:01 ping-2018-04.txt
-rw-r--r--  1    32766 nobody 71927591 Jun 13 15:03 ping-2018-05.txt
drwxr-xr-x  3 pinger   sf      2048 Jun 12 10:06 proxy/
drwxr-xr-x  2 NO-OWNER nobody  2048 Jun 13 12:44 saqib/
drwxr-xr-x  2    32766 nobody  2048 Jun 14 07:41 temp/
drwxr-xr-x  2 NO-OWNER nobody  2048 Jun 13 14:50 test/
pinger@pinger $ ls -l /afs/slac/public/incoming/pinger/temp
total 70242
-rw-r--r--  1 32766 nobody 71927591 Jun 14 08:09 ping-2018-05.txt
pinger@pinger $

```