

# httpxtran

Gene Michael Stover

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## 1 What is this?

*Unfinished. A work in progress. As of 2006 February 16, just a prototype & proof of concept.*

It runs on Windows only because it uses WinINET & WinHTTP.

## 2 License

Here is a copy of the license agreement that is on the source code. The same agreement appears in each source code file.

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### **3 Requirements**

### **4 Basic usage**

### **5 Examples**

### **6 Detailed usage / manual**

#### **6.1 Name**

httpxtran – HTTP transactions from the command line

#### **6.2 Synopsis**

- `httpxtran-h`
- `httpxtran[-g] [-m METHOD] [-i PAYLOAD] [-o OUTPUT] [-p PROXY] [-l LOGIN] [-x PASSWORD] URL`

### 6.3 Description

httpxtran performs transactions over HTTP. It can send a payload & save the reply to a destination file. This functionality can be used to download individual files from HTTP servers, to upload files to servers, or to execute a poor man's remote procedure call system over HTTP (if you prepare the payload & extra headers carefully).

*url* identifies the remote resource. This is required.

- h (Help) print these instructions
- g Enable debugging output. Default is disabled debugging output.
- m *method* tells which networking & HTTP library to use. Permitted values are "wininet" or "winhttp". (It is not case-sensitive.) Default is "wininet"
- i *payload* identifies a file which contains the payload to send to the server. If you don't specify this, it doesn't send any payload, which would be appropriate if you are just retrieving a file.
- o *output* identifies a file in which to save the reply. If you don't specify this, the reply goes to Standard Output (`stdout`).
- p *proxy* specifies the HTTP proxy to use. If you don't use this option, httpxtran uses the global, default proxy settings.
- l *login* is the user name to supply to the proxy. Without it, does not supply any user name to the proxy.
- x *password* is the password for the proxy. Without it, does not supply any password to the proxy.

## 7 Source code & executables

*fixme:* The source code is not ready for distribution. Download, unpack, attempt to comprehend, attempt to compile, & attempt to use at your own risk.

The entire source code (for Microsloth Winders only) is in httpxtran.zip. Here is a list of individual files, both source code & executables.

- Makefile
- bin
  - httpxtran.exe
  - test0000.exe
  - test0001.exe
  - test0010.exe
  - test0011.exe

- test0012.exe
- lib
- src
  - debug.c
  - debug.h
  - getopt.c
  - httpxtran.c
  - log.c
  - log.h
  - test0000.c
  - test0001.c
  - test0010.c
  - test0011.c
  - test0012.c
  - this.def
  - this.h
  - winet.c
  - winet.h
  - xhttp.c
  - xhttp.h
  - xmalloc.c
  - xmalloc.h
- tmp

## A Other File Formats

- This document is available in multi-file HTML format at <http://cybertiggyr.com/gene/httpxtran/>.
- This document is available in Pointless Document Format (PDF) at <http://cybertiggyr.com/gene/httpxtran/httpxtran.pdf>.

## References