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```
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## 1.8 curl 7.19.4

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## 1.15 fakeroot 1.9.5

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I suppose 'libtricks' will take the quest of finding border-cases for the GPL yet one more (small) step forward. Does every dynamically linked executable fall under the GPL once someone said ``LD_PRELOAD=libtricks.so.0.0 executable'`?

That seems to be a rather strange interpretation of the GPL.

The way I (as author of libtricks) see it:

- you're free to link any program with this library and run it.
- Only when you give away or sell copies of a program that is `_set up_` to use this library (or needs it), that program will be considered a `work based on the library`, and thus fall under GPL.

I've considered using LGPL, but I decided against that because

- I still don't quite understand it's terms.
- I actually don't want a program that really needs this library to be distributed with any other licence than (L)GPL.

joost witteveen.

For the tekst of the GPL, see /usr/doc/copyright/GPL of any debian system.

## 1.16 gdb 2007q1-21

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b) Use a suitable shared library mechanism for linking with the Library. A suitable mechanism is one that (1) uses at run time a copy of the library already present on the user's computer system, rather than copying library functions into the executable, and (2) will operate properly with a modified version of the library, if the user installs one, as long as the modified version is interface-compatible with the version that the work was made with.

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## 1.18 glibc\_localedef 2007q1-21

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## 1.19 gmp 4.2.1

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## 1.20 gsoap 2.6.2

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## 1.21 hostapd 0.5.9

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```
<one line to give the program's name and a brief idea of what it does.>  
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```

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```
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```

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<signature of Ty Coon>, 1 April 1989  
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## 1.26 ipupdate 3.0.0

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## 1.27 libiconv 2007q1-21

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## 1.35 make 2007q1-21

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```
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under certain conditions; type `show c' for details.
```

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```
Yoyodyne, Inc., hereby disclaims all copyright interest in the program
`Gnomovision' (which makes passes at compilers) written by James Hacker.
```

```
<signature of Ty Coon>, 1 April 1989
Ty Coon, President of Vice
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## 1.40 ntpclient 345.0

### 1.40.1 Available under license :

ntpclient is an NTP (RFC-1305) client for unix-alike computers. Its functionality is a small subset of xntpd, but IMHO performs better (or at least has the potential to function better) within that limited scope. Since it is much smaller than xntpd, it is also more relevant for embedded computers.

ntpclient is Copyright 1997, 1999, 2000 Larry Doolittle, and may be freely used and copied according to the terms of the GNU General Public License, version 2.

ntpclient home page: <http://doolittle.faludi.com/ntpclient/>

To build on Linux, type "make". Solaris and other Unix users will probably need to adjust the Makefile slightly. It's not complicated.

Usage: ntpclient [options]

options:

- c count    stop after count time measurements (default 0 means go forever)
- d        print diagnostics (feature can be disabled at compile time)
- h hostname (mandatory) NTP server host, against which to measure system time
- i interval check time every interval seconds (default 600)
- l        attempt to lock local clock to server using adjtimex(2)
- p port    local NTP client UDP port (default 0 means "any available")
- r        replay analysis code based on stdin
- s        simple clock set (implies -c 1)

Mortal users can use this program for monitoring, but not clock setting (with the -s or -l switches). The -l switch has not been well tested. Simulation (with -r) actually looks halfway decent, so locking should be OK too, but it needs some tuning.

The test.dat file has 200 lines of sample output. Its first few lines, with the output column headers that are shown when the -d option is chosen, are:

day	second	elapsed	stall	skew	dispersion	freq
51785	180.386	1398.0	40.3	953773.9	793.5	-1240000
51785	780.382	1358.0	41.3	954329.0	915.5	-1240000
51785	1380.381	1439.0	56.0	954871.3	915.5	-1240000

day, second: time of measurement

elapsed:    total time from query to response (microseconds)

stall:      time the server reports that it sat on the request (microseconds)

skew:      difference between local time and server time (microseconds)

dispersion: reported by server, see RFC-1305 (microseconds)

freq:      local clock frequency adjustment (Linux only, ppm\*65536)

test.dat is suitable for piping into ntpclient -r. I have over 53000 samples (lines) archived for study, that I don't include here. They are spaced 10 minutes apart, representing over a year of data logging (not continuous, unfortunately).

envelope is a perl script that I have used for my lock studies. It's kind of a hack and not worth documenting here.

- Larry Doolittle <larry@doolittle.boa.org>

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\* The rest of the code is derived from MD5C.C by RSADSI. Minor cosmetic  
\* changes to accomodate it in the kernel by ji.

\* Minor changes to make 64 bit clean by Peter Onion (i.e. using u\_int\*\_t).

\*/

/\* MD5C.C - RSA Data Security, Inc., MD5 message-digest algorithm

\*/

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- \* @(#)radix.c 8.2 (Berkeley) 1/4/94
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under certain conditions; type `show c' for details.
```

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```

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## 1.48 rp-l2tp 0.4

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This is a user-space implementation of L2TP (RFC 2661) for Linux.

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## Handlers

-----

Part of the l2tp code is implemented in the l2tpd program, and part of it is implemented as "handlers". A handler is a shared-object library which is dynamically linked into l2tpd at run-time using the "load-handler" configuration directive.

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## Installation

-----

```
./configure && make  
make install
```

Now read l2tpd(8) and l2tp.conf(5)  
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## 1.50 sqlzma 3.4

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#
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LZMA patch for squashfs

Initial release: Junjiro Okajima

Update to 2.6.27.4: Petr Vokac

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```
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Gnomovision comes with ABSOLUTELY NO WARRANTY; for details type 'show w'.
This is free software, and you are welcome to redistribute it
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```

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```
Yoyodyne, Inc., hereby disclaims all copyright interest in the program
'Gnomovision' (which makes passes at compilers) written by James Hacker.
```

```
<signature of Ty Coon>, 1 April 1989
Ty Coon, President of Vice
```

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## 1.54 traceroute 1.4a12

### 1.54.1 Available under license :

```
@(#) $Id: README,v 1.9 2000/09/16 05:32:01 leres Exp $ (LBL)
```

```
TRACEROUTE 1.4
Lawrence Berkeley National Laboratory
Network Research Group
traceroute@ee.lbl.gov
ftp://ftp.ee.lbl.gov/traceroute.tar.gz
```

Traceroute is a system administrators utility to trace the route ip packets from the current system take in getting to some destination system. See the comments at the front of the program for a description of its use.

This program uses raw ip sockets and must be run as root (or installed setuid to root).

A couple of awk programs to massage the traceroute output are included. "mean.awk" and "median.awk" compute the mean and median time to each hop, respectively. I've found that something like

```
traceroute -q 7 foo.somewhere >t
awk -f median.awk t | xgraph
```

can give you a quick picture of the bad spots on a long path (median is usually a better noise filter than mean).

Problems, bugs, questions, desirable enhancements, source code contributions, etc., should be sent to the email address "traceroute@ee.lbl.gov".

/\*

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\*/

## 1.55 tzoupdate 1.12

### 1.55.1 Available under license :

tzoupdate - TZO client for (much) any version of UNIX or Linux

Version 1.12 released October 2008

Authors: Michael D. Foley (tzoupdate), Scott Prive (scripts, packaging)

#### INTRODUCTION

This is an all-new TZO client, portable to nearly any version of UNIX.  
This TZO client monitors your Internet IP (even if you are behind a gateway or border router), and updates TZO's DNS database as-needed.

As this a UNIX command line application, and as there are differences between versions of UNIX and versions of Linux, installation is done using your OS's software package manager, or in some cases you may need to compile the tzoupdate from scratch.

Once the tzoupdate application is installed, the client requires no maintenance as long as your TZO account is up-to-date (not expired).

**IMPORTANT:** Be sure you do not use/configure MORE than ONE TZO client at any network site. This means if you use TZO in your router, you do not need this client (choose only one client).

## TZOUUPDATE FEATURES

- \* Tiny system requirements
- \* Suitable for re-packaging for any UNIX, or custom installs. (SEE INSTALL guide)
- \* Forced updates every 28 days are built in, to check for account expiration
- \* Ability to use /tmp for logging
- \* Functionality is divided between a core library (in C), and a wrapper shell script, allowing for easy customization or installs on niche platforms.
- \* GPL (v2) license (if you make client customizations/modifications, be sure the result complies with TZO Developer Guidelines).

## INSTALLATION, POST-INSTALL CONFIGURATION, TESTING

Please see the INSTALL document.

## TROUBLESHOOTING, READING/PARSING LOGFILES

The following files will exist in /tmp :

tzoup.txt - the tzoupdate cache file, which contains the value of your Internet IP at the moment tzo last updated.  
tzolog.txt - output from the most recent execution of tzowrapper.sh.

If there is a FATAL ERROR which can not be resolved automatically by the client, then the client will create '/tmp/tzo-killfile', which stops the client.  
Do not delete tzo-killfile until you review tzolog.txt and fix what caused the error.

For troubleshooting, the following legend (line prefix) is used within the logfile:

## PREFIXES USED DURING CHECK IP STAGE

\* = informational/verbose

> = client sending info to TZO

< = TZO server response

## PREFIXES USED DURING UPDATE STAGE

\*\* = informational/verbose

>> = client sending info to TZO

<< = TZO server response

Using the above, the logfiles can be understood. If you wish, you can use your own script to monitor and parse these logs, perhaps notifying you when the IP changes, if the killfile is ever created, etc.

More information on Troubleshooting can be found in INSTALL, or Support under TZO.COM.

## SYSTEMS INTEGRATION NOTES

If installing tzoupdate for a third party, please be sure that party has documentation on the purpose and nature of the TZO client:

1) tzoupdate automatically detects the WAN IP (via outbound gateway).

If you intend to move or decommission this server at a later date, be sure to disable this TZO client. (Otherwise, you might for example power on at a repair shop, and cause your domain to 'move' to the wrong IP).

2) If the TZO account ever expires, someone WILL need to intervene and fix the installation (delete the tzokillfile, and reboot). If you are installing for a third party and will not be available to renew their TZO in 1 year, it may be best to subscribe at the 2 or 5 year option.

3) If needed for testing, you can temporarily disable TZO using this command:  
touch /tmp/tzo-killfile

This will keep TZO disabled (even through reboots) until that file is removed.

## OEM /DEVELOPER NOTES

This Please note that much of the core error-checking functions reside in tzowrapper.sh as well as tzoupdate. When porting tzoupdate to any platform the error checking (from both sources) must be preserved.

Please ensure compliance with the TZO Developer specification before redistributing. For more details, please see contact TZO Developer Support at [devsupport@tzo.com](mailto:devsupport@tzo.com) and see <http://www.tzo.com/developer/>

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