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## 1.12 hotplug2 0.9

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## 1.20 libnl 1.1

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## 1.24 nbtscan 1.0.2

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## 1.26 ntpclient 345.0

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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.

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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.

```
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```

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\* lib/libcrypto/liboswcrypto/cryptodev.c

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\* linux/include/openswan/pfkeyv2.h

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/\*

\* if\_ppp.h - Point-to-Point Protocol definitions.

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78-100386-01

```
* ppp-comp.h - Definitions for doing PPP packet compression.
```

\*

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\*

\* \$Id: ppp-comp.h,v 1.8 1999/07/23 06:53:40 paulus Exp \$

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/\*

ipv6cp.h - PPP IPV6 Control Protocol.

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/\* zlib.h -- interface of the 'zlib' general purpose compression library version 0.95, Aug 16th, 1995.

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Jean-loup Gailly
                 Mark Adler
gzip@prep.ai.mit.edu madler@alumni.caltech.edu
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** RSA Data Security, Inc. MD5 Message-Digest Algorithm
                                                       **
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** Revised: 1/91 SRD,AJ,BSK,JT Reference C ver., 7/10 constant corr. **
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* @(#) $Header: /data/cvs/ppp/include/pcap-int.h,v 1.1 2000/08/01 01:37:24 paulus Exp $ (LBL)
*/
```

```
/* $Id: ppp_defs.h,v 1.14 1999/08/13 01:55:40 paulus Exp $ */
```

/\*

\* ppp\_defs.h - PPP definitions.

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```
ppp-2.4.5/include/linux/ppp-comp.h
```

ppp-2.4.5/include/net/ppp-comp.h

ppp-2.4.5/include/net/ppp\_defs.h

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ppp-2.4.5/include/net/pppio.h

ppp-2.4.5/modules/deflate.c

```
ppp-2.4.5/modules/if_ppp.c
ppp-2.4.5/modules/ppp_comp.c
ppp-2.4.5/modules/ppp_comp.c
ppp-2.4.5/pppdump/deflate.c
ppp-2.4.5/pppdump/ppp-comp.h
ppp-2.4.5/solaris/ppp_c
ppp-2.4.5/solaris/ppp_comp.c
ppp-2.4.5/solaris/ppp_comp_mod.c
ppp-2.4.5/solaris/ppp_mod.c
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ppp-2.4.5/pppd/ccp.c

ppp-2.4.5/pppd/ccp.h

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ppp-2.4.5/pppd/plugins/minconn.c

 $ppp\hbox{-}2.4.5/pppdump/pppdump.c$ 

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```

ppp-2.4.5/pppd/chap-md5.h

ppp-2.4.5/pppd/chap-new.c

ppp-2.4.5/pppd/chap-new.h

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- ppp-2.4.5/include/linux/if\_ppp.h
- ppp-2.4.5/include/net/if\_ppp.h
- ppp-2.4.5/pppd/auth.c
- ppp-2.4.5/pppd/fsm.c
- ppp-2.4.5/pppd/fsm.h
- ppp-2.4.5/pppd/ipcp.c
- ppp-2.4.5/pppd/ipcp.h
- ppp-2.4.5/pppd/ipv6cp.c
- ppp-2.4.5/pppd/ipv6cp.h
- ppp-2.4.5/pppd/ipxcp.c
- ppp-2.4.5/pppd/ipxcp.h
- ppp-2.4.5/pppd/lcp.c
- ppp-2.4.5/pppd/lcp.h
- ppp-2.4.5/pppd/magic.c
- ppp-2.4.5/pppd/magic.h
- ppp-2.4.5/pppd/main.c
- ppp-2.4.5/pppd/options.c
- ppp-2.4.5/pppd/pppd.h
- ppp-2.4.5/pppd/session.c
- ppp-2.4.5/pppd/sys-linux.c
- ppp-2.4.5/pppd/sys-solaris.c
- ppp-2.4.5/pppd/tty.c
- ppp-2.4.5/pppd/upap.c
- ppp-2.4.5/pppd/upap.h

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- ppp-2.4.5/include/net/vjcompress.h
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```
ppp-2.4.5/common/zlib.c
ppp-2.4.5/common/zlib.h
ppp-2.4.5/pppdump/zlib.c
ppp-2.4.5/pppdump/zlib.h
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ppp-2.4.5/pppd/eui64.h

ppp-2.4.5/pppd/ipv6cp.c

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ppp-2.4.5/pppd/sys-solaris.c

ppp-2.4.5/solaris/ppp\_ahdlc.c

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- \* Updated to ppp-2.4.2 by David Woodhouse 2004.
- \* disconnect method added
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```
ppp-2.4.5/pppd/plugins/radius/dict.c
```

ppp-2.4.5/pppd/plugins/radius/Makefile.linux

ppp-2.4.5/pppd/plugins/radius/radattr.c

ppp-2.4.5/pppd/plugins/rp-pppoe/common.c

ppp-2.4.5/pppd/plugins/rp-pppoe/debug.c

ppp-2.4.5/pppd/plugins/rp-pppoe/discovery.c

ppp-2.4.5/pppd/plugins/rp-pppoe/if.c

ppp-2.4.5/pppd/plugins/rp-pppoe/Makefile.linux

ppp-2.4.5/pppd/plugins/rp-pppoe/pppoe-discovery.c

ppp-2.4.5/pppd/plugins/rp-pppoe/pppoe.h

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ppp-2.4.5/pppd/plugins/radius/clientid.c

ppp-2.4.5/pppd/plugins/radius/config.c

ppp-2.4.5/pppd/plugins/radius/dict.c

ppp-2.4.5/pppd/plugins/radius/includes.h

ppp-2.4.5/pppd/plugins/radius/ip\_util.c

ppp-2.4.5/pppd/plugins/radius/lock.c

ppp-2.4.5/pppd/plugins/radius/options.h

ppp-2.4.5/pppd/plugins/radius/pathnames.h

ppp-2.4.5/pppd/plugins/radius/radiusclient.h

ppp-2.4.5/pppd/plugins/radius/sendserver.c

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ppp-2.4.5/pppd/plugins/radius/dict.c

ppp-2.4.5/pppd/plugins/radius/includes.h

ppp-2.4.5/pppd/plugins/radius/ip\_util.c

ppp-2.4.5/pppd/plugins/radius/pathnames.h

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ppp-2.4.5/pppd/plugins/radius/includes.h

ppp-2.4.5/pppd/plugins/radius/ip\_util.c

ppp-2.4.5/pppd/plugins/radius/pathnames.h

ppp-2.4.5/pppd/plugins/radius/radiusclient.h

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- \* (pipe read code from passpromt.c)

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- \* MPPE support is by Ralf Hofmann, <ralf.hofmann@elvido.net>, with
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- \* Updated on 2003-12-12 to support updated PPP plugin API from latest CVS
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Unix SMB/CIFS implementation.

Samba utility functions

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ppp-2.4.5/pppd/spinlock.c

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ppp-2.4.5/pppd/chap\_ms.c

```
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```
ppp-2.4.5/pppd/session.c
```

/\*

\* session.c - PPP session control.

\*

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#### ppp-2.4.5/include/linux/if\_pppol2tp.h

\* Linux PPP over L2TP (PPPoL2TP) Socket Implementation (RFC 2661)

\*

- \* This file supplies definitions required by the PPP over L2TP driver
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- \* pppol2tp.c

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```
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*/
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ppp-2.4.5/pppd/plugins/pppol2tp/pppol2tp.c
```

 $/*\ pppol2tp.c\ -\ pppd\ plugin\ to\ implement\ PPPoL2TP\ protocol$ 

\* for Linux using kernel pppol2tp support.

- \* Requires kernel pppol2tp driver which is integrated into the kernel
- \* from 2.6.23 onwards. For earlier kernels, a version can be obtained
- \* from the OpenL2TP project at
- \* http://www.sourceforge.net/projects/openl2tp/

\*

- \* Original by Martijn van Oosterhout <kleptog@svana.org>
- \* Modified by jchapman@katalix.com

\*

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[This is the first released version of the library GPL. It is numbered 2 because it goes with version 2 of the ordinary GPL.]

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The reason we have a separate public license for some libraries is that

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Because of this blurred distinction, using the ordinary General Public License for libraries did not effectively promote software sharing, because most developers did not use the libraries. We concluded that weaker conditions might promote sharing better.

However, unrestricted linking of non-free programs would deprive the users of those programs of all benefit from the free status of the libraries themselves. This Library General Public License is intended to permit developers of non-free programs to use free libraries, while preserving your freedom as a user of such programs to change the free libraries that are incorporated in them. (We have not seen how to achieve this as regards changes in header files, but we have achieved it as regards changes in the actual functions of the Library.) The hope is that this will lead to faster development of free libraries.

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Note that it is possible for a library to be covered by the ordinary General Public License rather than by this special one.

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<signature of Ty Coon>, 1 April 1990 Ty Coon, President of Vice

That's all there is to it!

## 1.31 ppp-plugin 2.4.1

### 1.31.1 Available under license:

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## 1.32 pptp-client 1.1.0

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## 1.33 pptpd 1.3.4

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## 1.34 radvd 0.9.1

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## 1.35 rp-l2tp 0.4

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Handlers

-----

Part of the 12tp code is implemented in the 12tpd program, and part of

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Installation

-----

./configure && make make install

Now read 12tpd(8) and 12tp.conf(5) GNU GENERAL PUBLIC LICENSE Version 2. June 1991

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### 1.36 rp-pppoe 3.11

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### 1.37 rstp 0.21

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### 1.38 syslog-ng 1.6.12

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When a "work that uses the Library" uses material from a header file that is part of the Library, the object code for the work may be a derivative work of the Library even though the source code is not. Whether this is true is especially significant if the work can be linked without the Library, or if the work is itself a library. The threshold for this to be true is not precisely defined by law.

If such an object file uses only numerical parameters, data

structure layouts and accessors, and small macros and small inline functions (ten lines or less in length), then the use of the object file is unrestricted, regardless of whether it is legally a derivative work. (Executables containing this object code plus portions of the Library will still fall under Section 6.)

Otherwise, if the work is a derivative of the Library, you may distribute the object code for the work under the terms of Section 6. Any executables containing that work also fall under Section 6, whether or not they are linked directly with the Library itself.

6. As an exception to the Sections above, you may also combine or link a "work that uses the Library" with the Library to produce a work containing portions of the Library, and distribute that work under terms of your choice, provided that the terms permit modification of the work for the customer's own use and reverse engineering for debugging such modifications.

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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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## 1.42 uclibc 0.9.31.1

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Version 2.1, February 1999

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From gsf@research.att.com Wed Mar 1 20:30:54 2006

Return-Path: <gsf@research.att.com>

X-Original-To: mps@bridge.intra

Delivered-To: mps@bridge.intra

Received: from localhost (localhost [127.0.0.1])

by localhost (Postfix) with ESMTP id B8C814E4F

for <mps@bridge.intra>; Wed, 1 Mar 2006 20:30:53 +0100 (CET)

Received: from mail.bridge.intra ([127.0.0.1])

by localhost (lnx.bridge.intra [127.0.0.1]) (amavisd-new, port 10024)

with LMTP id 05987-03 for <mps@bridge.intra>;

Wed, 1 Mar 2006 20:30:42 +0100 (CET)

Received: from pop.gmx.net (localhost [127.0.0.1])

by mail.bridge.intra (Postfix) with ESMTP id C8C73794D

for <mps@bridge.intra>; Wed, 1 Mar 2006 20:30:38 +0100 (CET)

X-Flags: 0000

Delivered-To: GMX delivery to ps.m@gmx.net

Received: (qmail invoked by alias); 01 Mar 2006 19:23:46 -0000

Received: from mail-red.research.att.com (EHLO mail-white.research.att.com) [192.20.225.110]

by mx0.gmx.net (mx085) with SMTP; 01 Mar 2006 20:23:46 +0100

Received: from raptor.research.att.com (raptor.research.att.com [135.207.23.32])

by mail-blue.research.att.com (Postfix) with ESMTP id B7929147CBB

for <ps.m@gmx.net>; Wed, 1 Mar 2006 14:23:45 -0500 (EST)

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by raptor.research.att.com (SGI-8.9.3p2/8.8.7) id OAA86112 for ps.m@gmx.net; Wed, 1 Mar 2006 14:23:45 -0500 (EST)

Date: Wed, 1 Mar 2006 14:23:45 -0500 (EST) From: Glenn Fowler <gsf@research.att.com>

Message-Id: <200603011923.OAA86112@raptor.research.att.com>

Organization: AT&T Research

X-Mailer: mailx (AT&T/BSD) 9.9 2005-04-21

Mime-Version: 1.0

Content-Type: text/plain; charset=us-ascii

Content-Transfer-Encoding: 7bit

References: <Pine.LNX.4.44.0603012011250.6386-100000@lnx.bridge.intra>

To: mps@bridge.intra

Subject: Re: testregex licensing question

X-GMX-Antivirus: -1 (not scanned, may not use virus scanner)

X-GMX-Antispam: 0 (Mail was not recognized as spam) X-GMX-UID: IJF3ZO9DeSEkJ2TcbHQhaXN1IGRvb0Ca

X-Virus-Scanned: by amavisd-new at localhost

Status: RO X-Status: X-Keywords: X-UID: 44736

you may include it directly
retain the testregex.c header comment
it uses a very free license to maximize distribution
you can copy that .c comment to any test data files you use
using # comment style to be complete

let me know how it works with your libc also pass on any new tests you cook up

On Wed, 1 Mar 2006 20:15:02 +0100 (CET) Peter S. Mazinger wrote:

> Hello Glenn!

- > I would want to add testregex.c and the related \*.dat files to the uClibc
- > testsuite. uClibc is licensed under LGPL v2.1. I haven't found any
- > licensing related info on testregex.

- > Is it allowed to use the code there, or should I accomodate the testsuite
- > to download the needed files from the original site each time it is ran?
- > Thanks, Peter

> --

- > Peter S. Mazinger <ps dot m at gmx dot net> ID: 0xA5F059F2
- > Key fingerprint = 92A4 31E1 56BC 3D5A 2D08 BB6E C389 975E A5F0 59F2

## 1.43 udev 113

### 1.43.1 Available under license:

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Version 2, June 1991

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## 1.45 usb modeswitch 0.9.7

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## 1.49 zlib 1.2.3

### 1.49.1 Available under license:

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/\* zlib.h -- interface of the 'zlib' general purpose compression library version 1.2.3, July 18th, 2005

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The data format used by the zlib library is described by RFCs (Request for Comments) 1950 to 1952 in the files http://www.ietf.org/rfc/rfc1950.txt (zlib format), rfc1951.txt (deflate format) and rfc1952.txt (gzip format).

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