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```

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```

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```
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This is free software, and you are welcome to redistribute it  
under certain conditions; type `show c' for details.
```

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'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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```
<HTML>
<HEAD>
<TITLE> Dnsmasq - network services for small networks.</TITLE>
<link rel="icon" href="http://www.thekelleys.org.uk/dnsmasq/images/favicon.ico">
</HEAD>
<BODY BGCOLOR="WHITE">
<table width="100%" border="0" cellpadding="0" cellspacing="0">
<tr>
<td align="left" valign="middle"></td>
<td align="middle" valign="middle"><h1>Dnsmasq</h1></td>
<td align="right" valign="middle"></td></tr>
</table>
```

Dnsmasq provides network infrastructure for small networks: DNS, DHCP, router advertisement and network boot.  
It is designed to be  
lightweight and have a small footprint, suitable for resource constrained routers and firewalls. It has also been  
widely used  
for tethering on smartphones and portable hotspots, and to support virtual networking in virtualisation frameworks.  
Supported platforms include Linux (with glibc and uclibc), Android, \*BSD, and Mac OS X. Dnsmasq is included in  
most  
Linux distributions and the ports systems of FreeBSD, OpenBSD and NetBSD. Dnsmasq provides full IPv6 support.

```
<P>
The DNS subsystem provides a local DNS server for the network, with forwarding of all query types to upstream  
recursive DNS servers and  
caching of common record types (A, AAAA, CNAME and PTR, also DNSKEY and DS when DNSSEC is enabled).
```

```
<DIR>
<LI>Local DNS names can be defined by reading /etc/hosts, by importing names from the DHCP subsystem, or by  
configuration of a wide range of useful record types.</LI>
<LI>Upstream servers can be configured in a variety of convenient ways, including dynamic configuration as these  
change on moving upstream network.
<LI>Authoritative DNS mode allows local DNS names may be exported to zone in the global DNS. Dnsmasq acts  
as authoritative server for this zone, and also provides  
zone transfer to secondaries for the zone, if required.</LI>
<LI>DNSSEC validation may be performed on DNS replies from upstream nameservers, providing security against
```

- spoofing and cache poisoning.
- Specified sub-domains can be directed to their own upstream DNS servers, making VPN configuration easy.
- Internationalised domain names are supported.

The DHCP subsystem supports DHCPv4, DHCPv6, BOOTP and PXE.

- Both static and dynamic DHCP leases are supported, along with stateless mode in DHCPv6.

- The PXE system is a full PXE server, supporting netboot menus and multiple architecture support. It includes proxy-mode, where the PXE system co-operates with another DHCP server.

- There is a built in read-only TFTP server to support netboot.

- Machines which are configured by DHCP have their names automatically included in the DNS and the names can be specified by each machine or centrally by associating a name with a MAC address or UID in the dnsmasq configuration file.

The Router Advertisement subsystem provides basic autoconfiguration for IPv6 hosts. It can be used stand-alone or in conjunction with DHCPv6.

- The M and O bits are configurable, to control hosts' use of DHCPv6.

- Router advertisements can include the RDNSS option.

- There is a mode which uses name information from DHCPv4 configuration to provide DNS entries for autoconfigured IPv6 addresses which would otherwise be anonymous.

For extra compactness, unused features may be omitted at compile time.

## Get code.

[Download](http://www.thekelleys.org.uk/dnsmasq/) dnsmasq here.

The tarball includes this documentation, source, and manpage.

There is also a [CHANGELOG](#) and a [FAQ](#).

Dnsmasq has a git repository which contains the complete release history of version 2 and development history from 2.60. You can

[browse](http://thekelleys.org.uk/gitweb/?p=dnsmasq.git;a=summary)

the repo, or get a copy using git protocol with the command

```
git clone git://thekelleys.org.uk/dnsmasq.git
```

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<H2>Contact.</H2>

There is a dnsmasq mailing list at <A

HREF="http://lists.thekelleys.org.uk/mailman/listinfo/dnsmasq-discuss">

http://lists.thekelleys.org.uk/mailman/listinfo/dnsmasq-discuss</A> which should be the

first location for queries, bugreports, suggestions etc. The list is mirrored, with a

search facility, at <A HREF="https://www.mail-archive.com/dnsmasq-discuss@lists.thekelleys.org.uk/">

https://www.mail-archive.com/dnsmasq-discuss@lists.thekelleys.org.uk/</A>.

You can contact me at <A

HREF="mailto:simon@thekelleys.org.uk">simon@thekelleys.org.uk</A>.

<H2>Donations.</H2>

Dnsmasq is mainly written and maintained by Simon Kelley. For most of its life, dnsmasq has been a spare-time project.

These days I'm working on it as my main activity.

I don't have an employer or anyone who pays me regularly to work on dnsmasq. If you'd like to make a contribution towards my expenses, please use the donation button below.

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<input type="hidden" name="cmd" value="\_s-xclick">

<input type="hidden" name="hosted\_button\_id" value="V3X9GVW5GX6DA">

<input type="image" src="https://www.paypalobjects.com/en\_US/GB/i/btn/btn\_donateCC\_LG.gif" border="0" name="submit" alt="PayPal The safer, easier way to pay online.">



</form>

</BODY>

## 1.8 email 3.1.2

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## 1.11 gmp 4.2.1

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## 1.14 ipsec-tools 0.8.0

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/* $KAME: setkey.c,v 1.36 2003/09/24 23:52:51 itojun Exp $ */
```

```
/*
```

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```

```
*/
```

```
/* A Bison parser, made by GNU Bison 2.4.1. */
```

```
/* Skeleton implementation for Bison's Yacc-like parsers in C
```

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```
/* As a special exception, you may create a larger work that contains  
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under terms of your choice, so long as that work isn't itself a  
parser generator using the skeleton or a modified version thereof  
as a parser skeleton. Alternatively, if you modify or redistribute  
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```

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```

```
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```
/*
```

```
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```

```
*
```

```
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```

```
*     Paul 'Rusty' Russell <rusty@rustcorp.com.au>
```

```
*     Marc Boucher <marc+nf@mbsi.ca>
```

```
*     James Morris <jmorris@intercode.com.au>
```

```
*     Harald Welte <laforge@gnumonks.org>
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```

```
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```
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```

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```
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```

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### 1.19.1 Available under license :

/\* iftable - table of network interfaces

\*

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```

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

c) Accompany the work with a written offer, valid for at least three years, to give the same user the materials specified in Subsection 6a, above, for a charge no more than the cost of performing this distribution.

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# install - install a program, script, or datafile

scriptversion=2004-02-15.20

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```
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```

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

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## 1.26 ntpclient 2000\_345 :DUPLICATE

### 1.26.1 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.

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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.

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

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\* lib/libdns/dst\_internal.h

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\* lib/libisc/inet\_aton.c, lib/liblwres/lwinetaton.c

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\* lib/libcrypto/liboswcrypto/cryptodev.c

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\* linux/include/openswan/pfkeyv2.h

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Ty Coon, President of Vice

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## 1.29 ppp 2.4.1

### 1.29.1 Available under license :

```
/*
 * ppp_ahdlc.c - STREAMS module for doing PPP asynchronous HDLC.
 *
 * Re-written by Adi Masputra <adi.masputra@sun.com>, based on
 * the original ppp_ahdlc.c
 *
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\*

\* \$Id: ppp\_ahdlc.c,v 1.16 2000/03/06 19:38:12 masputra Exp \$

\*/

/\*

\*\*\*\*\*

\*\* md5.h -- header file for implementation of MD5 \*\*  
\*\* RSA Data Security, Inc. MD5 Message-Digest Algorithm \*\*  
\*\* Created: 2/17/90 RLR \*\*  
\*\* Revised: 12/27/90 SRD,AJ,BSK,JT Reference C version \*\*  
\*\* Revised (for MD5): RLR 4/27/91 \*\*  
\*\* -- G modified to have y&~z instead of y&z \*\*  
\*\* -- FF, GG, HH modified to add in last register done \*\*  
\*\* -- Access pattern: round 2 works mod 5, round 3 works mod 3 \*\*  
\*\* -- distinct additive constant for each step \*\*  
\*\* -- round 4 added, working mod 7 \*\*

\*\*\*\*\*

\*/

/\*

\*\*\*\*\*

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\*\*\*\*\*

\*/

/\*

\* passprompt.c - pppd plugin to invoke an external PAP password prompter

```

*
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*
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*/
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* Database functions
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*/
This is the README file for ppp-2.4, a package which implements the
Point-to-Point Protocol (PPP) to provide Internet connections over
serial lines.

```

## Introduction.

\*\*\*\*\*

The Point-to-Point Protocol (PPP) provides a standard way to establish a network connection over a serial link. At present, this package supports IP and the protocols layered above IP, such as TCP and UDP. The Linux and Solaris ports of this package have optional support for IPV6; the Linux port of this package also has support for IPX.

This software consists of two parts:

- Kernel code, which establishes a network interface and passes packets between the serial port, the kernel networking code and the PPP daemon (pppd). This code is implemented using STREAMS modules on Solaris, and as a line discipline under Linux.

- The PPP daemon (pppd), which negotiates with the peer to establish

the link and sets up the ppp network interface. Pppd includes support for authentication, so you can control which other systems may make a PPP connection and what IP addresses they may use.

The platforms supported by this package are Linux and Solaris. I have code for NeXTStep, FreeBSD, SunOS 4.x, SVR4, Tru64 (Digital Unix), AIX and Ultrix but no active maintainers for these platforms. Code for all of these except AIX is included in the ppp-2.3.11 release.

#### Installation.

\*\*\*\*\*

The file SETUP contains general information about setting up your system for using PPP. There is also a README file for each supported system, which contains more specific details for installing PPP on that system. The supported systems, and the corresponding README files, are:

Linux README.linux  
Solaris README.sol2

In each case you start by running the ./configure script. This works out which operating system you are using and creates the appropriate makefiles. You then run `make` to compile the user-level code, and (as root) `make install` to install the user-level programs pppd, chat and pppstats.

N.B. Since 2.3.0, leaving the permitted IP addresses column of the pap-secrets or chap-secrets file empty means that no addresses are permitted. You need to put a "\*" in that column to allow the peer to use any IP address. (This only applies where the peer is authenticating itself to you, of course.)

#### What's new in ppp-2.4.4.

\*\*\*\*\*

- \* Pppd will now run /etc/ppp/ip-pre-up, if it exists, after creating the ppp interface and configuring its IP addresses but before bringing it up. This can be used, for example, for adding firewall rules for the interface.
- \* Lots of bugs fixed, particularly in the area of demand-dialled and persistent connections.
- \* The rp-pppoe plugin now accepts any interface name (that isn't an existing pppd option name) without putting "nic-" on the front of

it, not just eth\*, nas\*, tap\* and br\*.

What was new in ppp-2.4.3.

\*\*\*\*\*

- \* The configure script now accepts --prefix and --sysconfdir options. These default to /usr/local and /etc. If you want pppd put in /usr/sbin as before, use ./configure --prefix=/usr.
- \* Doing `make install' no longer puts example configuration files in /etc/ppp. Use `make install-etcppp' if you want that.
- \* The code has been updated to work with version 0.8.3 of libpcap. Unfortunately the libpcap maintainers removed support for the "inbound" and "outbound" keywords on PPP links, meaning that if you link pppd with libpcap-0.8.3, you can't use those keywords in the active-filter and pass-filter expressions. The support has been reinstated in the CVS version and should be in future libpcap releases. If you need the in/outbound keywords, use a later release than 0.8.3, or get the CVS version from <http://www.tcpdump.org>.
- \* There is a new option, child-timeout, which sets the length of time that pppd will wait for child processes (such as the command specified with the pty option) to exit before exiting itself. It defaults to 5 seconds. After the timeout, pppd will send a SIGTERM to any remaining child processes and exit. A value of 0 means no timeout.
- \* Various bugs have been fixed, including some CBCP packet parsing bugs that could lead to the peer being able to crash pppd if CBCP support is enabled.
- \* Various fixes and enhancements to the radius and rp-pppoe plugins have been added.
- \* There is a new winbind plugin, from Andrew Bartlet of the Samba team, which provides the ability to authenticate the peer against an NT domain controller using MS-CHAP or MS-CHAPV2.
- \* There is a new pppoatm plugin, by various authors, sent in by David Woodhouse.
- \* The multilink code has been substantially reworked. The first pppd for a bundle still controls the ppp interface, but it doesn't exit until all the links in the bundle have terminated. If the first pppd is signalled to exit, it signals all the other pppds controlling links in the bundle.

\* The TDB code has been updated to the latest version. This should eliminate the problem that some people have seen where the database file (/var/run/pppd.tdb) keeps on growing. Unfortunately, however, the new code uses an incompatible database format. For this reason, pppd now uses /var/run/pppd2.tdb as the database filename.

What was new in ppp-2.4.2.

\*\*\*\*\*

\* The CHAP code has been rewritten. Pppd now has support for MS-CHAP V1 and V2 authentication, both as server and client. The new CHAP code is cleaner than the old code and avoids some copyright problems that existed in the old code.

\* MPPE (Microsoft Point-to-Point Encryption) support has been added, although the current implementation shouldn't be considered completely secure. (There is no assurance that the current code won't ever transmit an unencrypted packet.)

\* James Carlson's implementation of the Extensible Authentication Protocol (EAP) has been added.

\* Support for the Encryption Control Protocol (ECP) has been added.

\* Some new plug-ins have been included:

- A plug-in for kernel-mode PPPoE (PPP over Ethernet)
- A plug-in for supplying the PAP password over a pipe from another process
- A plug-in for authenticating using a Radius server.

\* Updates and bug-fixes for the Solaris port.

\* The CBCP (Call Back Control Protocol) code has been updated. There are new options `remotenummer' and `allow-number'.

\* Extra hooks for plugins to use have been added.

\* There is now a `maxoctets' option, which causes pppd to terminate the link once the number of bytes passed on the link exceeds a given value.

\* There are now options to control whether pppd can use the IPCP IP-Address and IP-Addresses options: `ipcp-no-address' and `ipcp-no-addresses'.

\* Fixed several bugs, including potential buffer overflows in chat.

#### What was new in ppp-2.4.1.

\*\*\*\*\*

- \* Pppd can now print out the set of options that are in effect. The new ``dump'` option causes pppd to print out the option values after option parsing is complete. The ``dryrun'` option causes pppd to print the options and then exit.
- \* The option parsing code has been fixed so that options in the per-tty options file are parsed correctly, and don't override values from the command line in most cases.
- \* The plugin option now looks in `/usr/lib/pppd/<pppd-version>` (for example, `/usr/lib/pppd/2.4.1b1`) for shared objects for plugins if there is no slash in the plugin name.
- \* When loading a plugin, pppd will now check the version of pppd for which the plugin was compiled, and refuse to load it if it is different to pppd's version string. To enable this, the plugin source needs to `#include "pppd.h"` and have a line saying:  
`char pppd_version[] = VERSION;`
- \* There is a bug in zlib, discovered by James Carlson, which can cause kernel memory corruption if Deflate is used with the lowest setting, 8. As a workaround pppd will now insist on using at least 9.
- \* Pppd should compile on Solaris and SunOS again.
- \* Pppd should now set the MTU correctly on demand-dialled interfaces.

#### What was new in ppp-2.4.0.

\*\*\*\*\*

- \* Multilink: this package now allows you to combine multiple serial links into one logical link or ``bundle'`, for increased bandwidth and reduced latency. This is currently only supported under the 2.4.x and later Linux kernels.
- \* All the pppd processes running on a system now write information into a common database. I used the ``tdb'` code from samba for this.
- \* New hooks have been added.

For a list of the changes made during the 2.3 series releases of this package, see the `Changes-2.3` file.

## Compression methods.

\*\*\*\*\*

This package supports two packet compression methods: Deflate and BSD-Compress. Other compression methods which are in common use include Predictor, LZS, and MPPC. These methods are not supported for two reasons - they are patent-encumbered, and they cause some packets to expand slightly, which pppd doesn't currently allow for. BSD-Compress and Deflate (which uses the same algorithm as gzip) don't ever expand packets.

## Patents.

\*\*\*\*\*

The BSD-Compress algorithm used for packet compression is the same as that used in the Unix "compress" command. It was apparently covered by U.S. patents 4,814,746 (owned by IBM) and 4,558,302 (owned by Unisys), and corresponding patents in various other countries (but not Australia). Apparently the Unisys patent expired in the US on 20 June 2003, but the IBM patent is still pending.

If these patents are of concern in your situation, you can build the package without including BSD-Compress. To do this, edit net/ppp-comp.h to change the definition of DO\_BSD\_COMPRESS to 0. The bsd-comp.c files are then no longer needed, so the references to bsd-comp.o may optionally be removed from the Makefiles.

## Contacts.

\*\*\*\*\*

The comp.protocols.ppp newsgroup is a useful place to get help if you have trouble getting your ppp connections to work. Please do not send me questions of the form "please help me get connected to my ISP" - I'm sorry, but I simply do not have the time to answer all the questions like this that I get.

If you find bugs in this package, please report them to the maintainer for the port for the operating system you are using:

Linux Paul Mackerras <paulus@samba.org>  
Solaris James Carlson <carlson@workingcode.com>

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\*\*\*\*\*

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Distribution:

\*\*\*\*\*

The primary site for releases of this software is:

<ftp://ftp.samba.org/pub/ppp/>

(\$Id: README,v 1.37 2006/05/29 23:51:29 paulus Exp \$)

## 1.30 ppp (DUPLICATE) 2.4.5

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This product includes software developed by Paul Mackerras <[paulus@samba.org](mailto:paulus@samba.org)>.

This product includes software developed by Pedro Roque Marques <[pedro\\_m@yahoo.com](mailto:pedro_m@yahoo.com)>.

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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/linux/ppp\_defs.h

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ppp-2.4.5/pppd/auth.c

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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.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/modules/ppp\_ahdlc.c

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ppp-2.4.5/pppdump/pppdump.c

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ppp-2.4.5/pppd/chap-md5.c

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

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ppp-2.4.5/pppd/upap.c

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ppp-2.4.5/include/net/vjcompress.h

ppp-2.4.5/modules/vjcompress.c

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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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gzip@prep.ai.mit.edu   madler@alumni.caltech.edu

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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-2.4.1 by Bernhard Kaindl
- \*
- \* Updated to ppp-2.4.2 by David Woodhouse 2004.
- \* - disconnect method added
- \* - remove\_options() abuse removed.
- \*
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ppp-2.4.5/pppd/chap\_ms.c

ppp-2.4.5/pppd/ecp.c

ppp-2.4.5/pppd/ecp.h

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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/avpair.c  
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  
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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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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  
ppp-2.4.5/pppd/plugins/radius/radiusclient.h  
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[...]

Unix SMB/CIFS implementation.

Samba utility functions

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ppp-2.4.5/pppd/chap\_ms.c

ppp-2.4.5/pppd/chap\_ms.h

ppp-2.4.5/pppd/pppcrypt.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
* (pppol2tp.c). All version information wrt this file is located in
* pppol2tp.c

```

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ppp-2.4.5/pppd/plugins/pppol2tp/l2tp\_event.h

```

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```

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/* 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/
*
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- \* Based in part on work from Jens Axboe and Paul Mackerras.
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## 1.31 pptp-client 1.1.0

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```
<one line to give the program's name and a brief idea of what it does.>  
Copyright (C) 19yy <name of author>
```

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```

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```
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```

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

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## 1.33 radvd 0.9.1

### 1.33.1 Available under license :

Authors:

Lars Fenneberg <lf@elemental.net>

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## 1.34 rp-l2tp 0.4

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# LIC: GPL

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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Version 2, June 1991

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```
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```

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```
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```

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## 1.36 rstp 0.21

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```

```
<signature of Ty Coon>, 1 April 1989
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## 1.37 syslog-ng 1.6.12

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begin: Tue Feb 6 2007

modifications : (see HISTORY file)

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## 1.40 u-boot 2008\_10

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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.)

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## 1.41 uclibc 0.9.31.1

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These requirements apply to the modified work as a whole. If identifiable sections of that work are not derived from the Library, and can be reasonably considered independent and separate works in themselves, then this License, and its terms, do not apply to those sections when you distribute them as separate works. But when you distribute the same sections as part of a whole which is a work based on the Library, the distribution of the whole must be on the terms of this License, whose permissions for other licensees extend to the entire whole, and thus to each and every part regardless of who wrote it.

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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)

Received: (from gsf@localhost)

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: 1JF3ZO9DeSEkJ2TcbHQhaXN1IGRvb0Ca  
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

## 1.42 udev 113

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```
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## 1.48 zlib 1.2.3

### 1.48.1 Available under license :

License attached

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

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Jean-loup Gailly      Mark Adler  
jloup@gzip.org      madler@alumni.caltech.edu

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](http://www.ietf.org/rfc/rfc1951.txt) (deflate format) and [rfc1952.txt](http://www.ietf.org/rfc/rfc1952.txt) (gzip format).

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