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This is a new modern implementation of the traceroute(8) utility for Linux systems.

Traceroute tracks the route packets taken from an IP network on their way to a given host. It utilizes the IP protocol's time to live (TTL) field and attempts to elicit an ICMP TIME_EXCEEDED response from each gateway along the path to the host.

Main features:

- Full support for both IPv4 and IPv6 protocols
- Several tracerouting methods, including:
 - * UDP datagrams (including udlite and udp to particular port)
 - * ICMP ECHO packets
 - * TCP SYNs (in general, any TCP request with various flags and options)
 - * Generic IP datagrams
- UDP methods do not require root privileges
- Ability to send several probe packets at a time
- perform AS path lookups for returned addresses
- show ICMP extensions, including MPLS
- perform path MTU discovery automatically
- show guessed number of hops in backward direction

- command line compatible with the original traceroute
- and much more, see traceroute(8)

This code was written from the scratch, using some ideas of Olaf Kirch's traceroute, the original implementation of Van Jacobson (which was long used before) and some current BSD's ones.

This traceroute requires Linux kernel 2.6 and higher.

You can try to contact the author at <Dmitry at Butskoy dot name> .

Good tracerouting!

Dmitry Butskoy

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- *
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```
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Glenn Randers-Pehrson
glennrp at users.sourceforge.net
June 27, 2006

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```
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 * $Id: libnet.h,v 1.1.1.1 2004/11/01 01:55:10 edward Exp $
 *
 * libnet.h - Network routine library header file for Win32 VC++
 *
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 *
 *   <roque@di.fc.ul.pt>
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- */

```
#ifndef lint
char copyright[] =
"@(#) Copyright (c) 1989 The Regents of the University of California.\n\
All rights reserved.\n";
#endif /* not lint */
```

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```
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# *
# * Send bug reports, bug fixes, enhancements, requests, flames, etc., and
# * I'll try to keep a version up to date. I can be reached as follows:
# * Paul Vixie <paul@vix.com> uunet!decwrl!vixie!paul
# */
```

Vixie Cron V3.0
December 27, 1993
[V2.2 was some time in 1992]
[V2.1 was May 29, 1991]
[V2.0 was July 5, 1990]
[V2.0-beta was December 9, 1988]
[V1.0 was May 6, 1987]
Paul Vixie

[Note from Debian cron maintainer: This is the original README from the the vixie-cron package. The location of many cron files has been changed in order to comply with Debian policy and common sense -- look in the cron(8), crontab(1) and crontab(5) man pages for more info, as well as the README.Debian file in this directory.]

This is a version of 'cron' that is known to run on BSD 4.[23] systems. It is functionally based on the SysV cron, which means that each user can have their own crontab file (all crontab files are stored in a read-protected directory, usually /var/cron/tabs). No direct support is provided for 'at'; you can continue to run 'atrun' from the crontab as you have been doing. If you don't have atrun (i.e., System V) you are in trouble.

A messages is logged each time a command is executed; also, the files "allow" and "deny" in /var/cron can be used to control access to the "crontab" command (which installs crontabs). It hasn't been tested on SysV, although some effort has gone into making the port an easy one.

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To use this: Sorry, folks, there is no cutesy 'Configure' script. You'll have to go edit a couple of files... So, here's the checklist:

- Read all the FEATURES, INSTALL, and CONVERSION files
- Edit config.h
- Edit Makefile
 - (both of these files have instructions inside; note that some things in config.h are definable in Makefile and are therefore surrounded by #ifndef...#endif)
- 'make'
- 'su' and 'make install'
 - (you may have to install the man pages by hand)
- kill your existing cron process
 - (actually you can run your existing cron if you want, but why?)
- build new crontabs using /usr/lib/{crontab,crontab.local}
 - (either put them all in "root"'s crontab, or divide it up and rip out all the 'su' commands, collapse the lengthy lists into ranges with steps -- basically, this step is as much work as you want to make it)
- start up the new cron
 - (must be done as root)
- watch it. test it with 'crontab -r' and watch the daemon track your changes.
- if you like it, change your /etc/{rc,rc.local} to use it instead of the old one.

\$Id: README,v 2.3 1993/12/28 08:34:43 vixie Exp \$

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his is version 1.6.1 of the tecla command-line editing library.

For the current official release, please direct your browser to:

<http://www.astro.caltech.edu/~mcs/tecla/index.html>

The tecla library provides UNIX and LINUX programs with interactive command line editing facilities, similar to those of the unix tcsh shell. In addition to simple command-line editing, it supports recall of previously entered command lines, TAB completion of file names, and in-line wild-card expansion of filenames. The internal functions which perform file-name completion and wild-card expansion are also available externally for optional use by programs, along with a module for tab-completion and lookup of filenames in a list of directories.

Note that special care has been taken to allow the use of this library in threaded programs. The option to enable this is discussed in the Makefile, and specific discussions of thread safety are presented in the included man pages.

For instructions on how to compile and install the library, please see the INSTALL file, which should be in the same directory as this file.

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```
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# from: @(#)Makefile      8.1 (Berkeley) 6/4/93
#
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