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Julian Seward, jseward@bzip.org
bzip2/libbzip2 version 1.0.5 of 10 December 2007

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1.24 net-tools 1.60

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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).

evelope 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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1.28 openssl 1.0.1l :1

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1.29 pim6dd 0.2.1.0 :alpha15

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1.30 PPP 2.4.3

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1.31 pptpd 1.3.4

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1.34 samba-ubiqx 3.0.22

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This option is useful when you wish to copy part of the code of the Library into a program that is not a library.

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1.43 zlib 1.2.3

1.43.1 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 (deflate format) and rfc1952.txt (gzip format).

*/

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