Open Source Used In IoT Unified Industrial Wireless 17.15

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In your requests please include the following reference number 78EE117C99-1954923038

Contents

1.1 libtomcrypt 1.17
1.1.1 Available under license
1.2 csrp 1.0
1.2.1 Available under license
1.3 libtommath 0.42.0
1.3.1 Available under license
1.4 libvirt 1.2.15
1.4.1 Available under license
1.5 iptables 1.4.21
1.5.1 Available under license
1.6 enum34 1.1.6
1.6.1 Available under license
1.7 rsync 3.1.3
1.8 bzip2 1.0.8
1.9 ebtables 2.0.10
1.9.1 Available under license
1.10 json-c 0.99.8
1.10.1 Available under license
1.11 glibc 2.23
1.11.1 Available under license
1.12 fcgi 2.4.0
1.12.1 Available under license
1.13 bridgeutils 1.5
1.13.1 Available under license
1.14 popt 1.16
1.14.1 Available under license

1.15 audit 2.8.4
1.15.1 Available under license
1.16 xz 5.2.3
1.16.1 Available under license
1.17 json-c 0.12
1.17.1 Available under license
1.18 jansson 2.10
1.18.1 Available under license
1.19 libpcap 1.9.1
1.19.1 Available under license
1.20 libffi 3.0.13
1.20.1 Available under license
1.21 dosfs-tools 4.1
1.21.1 Available under license
1.22 readline 8.0
1.22.1 Available under license
1.23 libcap-ng 0.7.3
1.23.1 Available under license
1.24 libcap 2.25
1.24.1 Available under license
1.25 lighttpd 1.4.54
1.25.1 Available under license
1.26 libnettle6 3.5.1
1.26.1 Available under license
1.27 ntp 4.2.8p15
1.27.1 Available under license
1.28 pcre 10.35
1.28.1 Available under license
1.29 libroxml 2.3.0
1.29.1 Available under license
1.30 libssh2 1.9.0
1.30.1 Available under license
1.31 popt 1.6
1.31.1 Available under license
1.32 openosc 1.0.3
1.32.1 Available under license
1.33 linux-kernel 4.1.52
1.33.1 Available under license
1.34 tcpdump 4.9.3

1.34.1 Available under license
1.35 elfutils 0.172
1.35.1 Available under license
1.36 kexec-tools 2.0.18
1.36.1 Available under license
1.37 libconfig 1.4.9
1.37.1 Available under license
1.38 libnl3 3.2.21
1.38.1 Available under license
1.39 lua 5.4.2
1.39.1 Available under license
1.40 json-cpp 1.6.2
1.40.1 Available under license
1.41 websocket-client 0.47.0
1.41.1 Available under license
1.42 expat 2.2.8
1.42.1 Available under license
1.43 opkg 0.1.8
1.43.1 Available under license
1.44 dmalloc 5.5.2
1.44.1 Available under license
1.45 libestr 0.1.11
1.45.1 Available under license
1.46 autogen 5.18.16
1.46.1 Available under license
1.47 libev 4.22
1.47.1 Available under license
1.48 psutil 5.6.7
1.48.1 Available under license
1.49 futures 3.0.5
1.49.1 Available under license
1.50 pyudev 0.21.0
1.50.1 Available under license
1.51 mtd-utils 1.5.1
1.51.1 Available under license
1.52 backports-functools-lru-cache 1.5
1.52.1 Available under license
1.53 pyserial 2.7
1.53.1 Available under license

1.54 pycurl 7.43.0
1.54.1 Available under license
1.55 procps 3.2.8
1.55.1 Available under license
1.56 procps 3.2.7
1.56.1 Available under license
1.57 tdb 1.44.1
1.57.1 Available under license
1.58 libxml2 2.9.11
1.58.1 Available under license
1.59 ncurses 6.3
1.59.1 Available under license
1.60 cheroot 6.4.0
1.60.1 Available under license
1.61 safeclib 4.1.9
1.61.1 Available under license
1.62 wireless-tools 29
1.62.1 Available under license
1.63 ntpclient 2010_365
1.63.1 Available under license
1.64 libnsl 2.23
1.64.1 Available under license
1.65 rsyslog 8.2206.0
1.65.1 Available under license
1.66 wsgiref 0.1.2
1.66.1 Available under license
1.67 expat 2.5.0
1.67.1 Available under license
1.68 pkix-ssh 13.5
1.68.1 Available under license
1.69 openssh 9.1p1
1.69.1 Available under license
1.70 systemd 219-42-9
1.70.1 Available under license
1.71 re2 2023-03-01
1.71.1 Available under license
1.72 protobuf 3.21.12
1.72.1 Available under license
1.73 selinux 2.8

1.73.1 Available under license
1.74 u-boot 2017.09
1.74.1 Available under license
1.75 libfastjson 0.99.8
1.75.1 Available under license
1.76 libsemanage-common 2.8
1.76.1 Available under license
1.77 libsepol 2.8
1.77.1 Available under license
1.78 policycoreutils 2.8
1.78.1 Available under license
1.79 ustr 1.0.4.16
1.79.1 Available under license
1.80 libmemcached 1.0.18
1.80.1 Available under license
1.81 u-boot 2012.07
1.81.1 Available under license
1.82 iproute 5.1.0-1-openwrt
1.82.1 Available under license
1.83 makedumpfile 1.6.9
1.83.1 Available under license
1.84 yajl 2.1.0
1.84.1 Available under license
1.85 libvirt-python 1.2.15
1.85.1 Available under license
1.86 netbsd-resolv 8.2.3-T5B
1.86.1 Available under license
1.87 ntpclient 2010-365
1.87.1 Available under license
1.88 libnettle6 3.5.1
1.88.1 Available under license
1.89 iw 5.16
1.89.1 Available under license
1.90 openssl 1.1.1w
1.90.1 Available under license
1.91 cyrus-sasl 2.1.28
1.91.1 Available under license
1.92 dnsmasq 2.85
1.92.1 Available under license

1.93 c-ares 1.19.1
1.93.1 Available under license
1.94 curl 7.88.1
1.94.1 Available under license
1.95 net-snmp 5.9.1
1.95.1 Available under license
1.96 python 2.7.17
1.96.1 Available under license
1.97 wpa-supplicant 2.9
1.97.1 Available under license
1.98 pam 1.5.2
1.98.1 Available under license
1.99 busybox 1.32.1
1.99.1 Available under license
1.100 hostapd 2.9
1.100.1 Available under license
1.101 d-bus 1.12.18
1.101.1 Available under license
1.102 fuse 2.9.3
1.102.1 Available under license
1.103 memcached 1.5.7
1.103.1 Available under license
1.104 util-linux 2.30.2
1.104.1 Available under license
1.105 pcre 8.44
1.105.1 Available under license
1.106 libjitterentropy 3.4.1
1.106.1 Available under license
1.107 libevent 2.1.5-beta
1.107.1 Available under license
1.108 iputils 20101006
1.108.1 Available under license
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1.109.1 Available under license
1.110 php 7.4.29
1.110.1 Available under license
1.111 pciutils 3.4.0
1.111.1 Available under license
1.112 netbsd-resolv 2.23

1.112.1 Available under license
1.113 e2fsprogs 1.44.1
1.113.1 Available under license
1.114 zlib 1.2.3
1.114.1 Available under license
1.115 zlib 1.2.13
1.115.1 Available under license
1.116 linux-kernel 5.4.220
1.116.1 Available under license
1.117 libwebsockets 2.4.2
1.117.1 Available under license

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1.1.1 Available under license :

```
# /*
#   * SHA-512
#   * Implementation derived from LibTomCrypt (Tom St Denis)
#   *
#   * LibTomCrypt is a library that provides various cryptographic
#   * algorithms in a highly modular and flexible manner.
#   *
#   * The library is free for all purposes without any express
#   * guarantee it works.
#   *
#   * Tom St Denis, tomstdenis@gmail.com, http://libtomcrypt.org
#   */
```

1.2 csrp 1.0

1.2.1 Available under license :

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1.3 libtommath 0.42.0

1.3.1 Available under license :

LibTomMath is hereby released into the Public Domain.

-- Tom St Denis

1.4 libvirt 1.2.15

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1.6 enum34 1.1.6

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1.7 rsync 3.1.3

1.8 bzip2 1.0.8

1.9 ebtables 2.0.10

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1.11 glibc 2.23

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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.

@item
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.

You must give prominent notice with each copy of the work that the Library is used in it and that the Library and its use are covered by this License. You must supply a copy of this License. If the work during execution displays copyright notices, you must include the copyright notice for the Library among them, as well as a reference directing the user to the copy of
this License. Also, you must do one
of these things:

@enumerate a
@item
Accompany the work with the complete corresponding machine-readable source code for the Library including whatever changes were used in the work (which must be distributed under Sections 1 and 2 above); and, if the work is an executable linked

with the Library, with the complete machine-readable ``work that
uses the Library'', as object code and/or source code, so that the
user can modify the Library and then relink to produce a modified
executable containing the modified Library. (It is understood
that the user who changes the contents of definitions files in the
Library will not necessarily be able to recompile the application
to use the modified definitions.)

@item
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.

@item
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.

@item
If distribution of the work is made by offering access to copy
from a designated place, offer equivalent access to copy the above
specified materials from the same place.

@item
Verify that the user has already received a copy of these
materials or that you have already sent this user a copy.
@end enumerate

 For an executable, the required form of the ``work that uses the
Library'' must include any data and utility programs needed for
reproducing the executable from it. However, as a special exception,
the materials to be distributed need not include anything that
 is
normally distributed (in either source or binary form) with the major
components (compiler, kernel, and so on) of the operating system on
which the executable runs, unless that component itself accompanies the
executable.

 It may happen that this requirement contradicts the license
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use both them and the Library together in an executable that you

distribute.

@item
You may place library facilities that are a work based on the
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facilities not covered by this License, and distribute such a combined
library, provided that the separate distribution of the work based on
the Library and of the other library facilities is otherwise
permitted, and provided that you do these two things:

@enumerate a
@item
Accompany the combined library with a copy of the same work
based on the Library,
 uncombined with any other library
facilities. This must be distributed under the terms of the
Sections above.

@item
Give prominent notice with the combined library of the fact
that part of it is a work based on the Library, and explaining
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@end enumerate

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@subheading END OF TERMS AND CONDITIONS

@page
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smallexample

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@var{signature of Ty Coon}, 1 April 1990
Ty Coon, President of Vice
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such linking only if the
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In other cases, permission to use a particular library in non-free programs enables a greater number of people to use a large body of free software. For example, permission to use the GNU C Library in non-free programs enables many more people to use the whole GNU operating system, as well as its variant, the GNU/Linux operating system.

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The precise terms and conditions for copying, distribution and

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A "library" means a collection of software functions and/or data prepared so as to be conveniently linked with application programs (which use some of those functions and data) to form executables.

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"Source code" for a work means the preferred form of the work for making modifications to it. For a library, complete source code means all the source code for all modules it contains, plus any associated interface definition files, plus the scripts used to control compilation and installation of the library.

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b) You must cause the files modified to carry prominent notices stating that you changed the files and the date of any change.

c) You must cause the whole of the work to be licensed at no charge to all third parties under the terms of this License.

d) If a facility in the modified Library refers to a function or a table of data to be supplied by an application program that uses the facility, other than as an argument passed when the facility is invoked, then you must make a good faith effort to ensure that, in the event an application does not supply such function or table, the facility still operates, and performs whatever part of its purpose remains meaningful.

(For example, a function in a library to compute square roots has a purpose that is entirely well-defined independent of the application. Therefore, Subsection 2d requires that any application-supplied function or table used by this function must be optional: if the application does not supply it, the square root function must still compute square roots.)

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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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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5. A program that contains no derivative of any portion of the Library, but is designed to work with the Library by being compiled or linked with it, is called a "work that uses the Library". Such a work, in isolation, is not a derivative work of the Library, and therefore falls outside the scope of this License.

However, linking a "work that uses the Library" with the Library

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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.

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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
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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.

d) If distribution of the work is made by offering access to copy from a designated place, offer equivalent access to copy the above specified materials from the same place.

e) Verify that the user has already received a copy of these materials or that you have already sent this user a copy.

For an executable, the required form of the "work that uses the Library" must include any data and utility programs needed for reproducing the executable from it. However, as a special exception, the materials to be distributed need not include anything that is normally
distributed (in either source or binary form) with the major components (compiler, kernel, and so on) of the operating system on which the executable runs, unless that component itself accompanies the executable.

It may happen that this requirement contradicts the license restrictions of other proprietary libraries that do not normally accompany the operating system. Such a contradiction means you cannot use both them and the Library together in an executable that you distribute.

7. You may place library facilities that are a work based on the Library side-by-side in a single library together with other library facilities not covered by this License, and distribute such a combined library, provided that the separate distribution of the work based on the Library and of the other library facilities is otherwise

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1.13 bridgeutils 1.5

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1.14 popt 1.16

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==========

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1.17 json-c 0.12

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1.18 jansson 2.10

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1.19 libpcap 1.9.1

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1.21 dosfs-tools 4.1

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1.26 libnettle6 3.5.1

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27. [29]Poul-Henning Kamp <phk@FreeBSD.ORG> Oncore driver (Original author)
28. [30]Frank Kardel [31]<kardel (at) ntp (dot) org> PARSE <GENERIC> (driver 14 reference clocks), STREAMS modules for PARSE, support scripts, syslog cleanup, dynamic interface handling
29. [32]Johannes Maximilian Kuehn <kuehn@ntp.org> Rewrote sntp to comply with NTPv4 specification, ntpq saveconfig
30. [33]William L. Jones <jones@hermes.chpc.utexas.edu> RS/6000 AIX modifications, HPUX modifications
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34. [37]Louis A. Mamakos <louie@ni.umd.edu> MD5-based authentication
35. [38]Lars H. Mathiesen <thorinn@diku.dk> adaptation of foundation code for Version 3 as specified in RFC-1305
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38. [41]Wolfgang Moeller <moeller@gwdgv1.dnet.gwdg.de> VMS port
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42. [45]Derek Mulcahy <derek@toybox.demon.co.uk> and [46]Damon Hart-Davis <d@hd.org> ARCRON MSF clock driver
43. [47]Rob Neal <neal@ntp.org> Bancomm refclock and config/parse code maintenance
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45. [49]Dirce Richards <dirce@zk3.dec.com> Digital UNIX V4.0 port
46. [50]Wilfredo Snchez <wsanchez@apple.com> added support for NetInfo
47. [51]Nick Sayer <mrapple@quack.kfu.com> SunOS streams modules
48. [52]Jack Sasportas <jack@innovativeinternet.com> Saved a Lot of space on the stuff in the html/pic/ subdirectory
49. [53]Ray Schnitzler <schnitz@unipress.com> Unixware1 port
50. [54]Michael Shields <shields@tembel.org> USNO clock driver
51. [55]Jeff Steinman <jss@pebbles.jpl.nasa.gov> Datum PTS clock driver
52. [56]Harlan Stenn <harlan@pfcs.com> GNU automake/autoconfigure makeover, various other bits (see the ChangeLog)
53. [57]Kenneth Stone <ken@sdd.hp.com> HP-UX port
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57. [61]Loganaden Velvindron <loganaden@gmail.com> Sandboxing (libseccomp) support
58. [62]Paul A Vixie <vixie@vix.com> TrueTime GPS driver, generic TrueTime clock driver
59. [63]Ulrich Windl <Ulrich.Windl@rz.uni-regensburg.de> corrected and validated HTML documents according to the HTML DTD

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Version 3, 29 June 2007

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1.28 pcre 10.35

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Contributors to bttv:

Michael Chu <mmchu@pobox.com>
AverMedia fix and more flexible card recognition

Alan Cox <alan@lxorguk.ukuu.org.uk>
Video4Linux interface and 2.1.x kernel adaptation

Chris Kleitsch
Hardware I2C

Gerd Knorr <kraxel@cs.tu-berlin.de>
Radio card (ITT sound processor)

bigfoot <bigfoot@net-way.net>
Ragnar Hojland Espinosa <ragnar@macula.net>
ConferenceTV card

+ many more (please mail me if you are missing in this list and would
like to be mentioned)
/* nicstar.c v0.22 Jawaid Bazyar (bazyar@hypermall.com)
* nicstar.c, M. Welsh (matt.welsh@cl.cam.ac.uk)
*
* Hacked October, 1997 by Jawaid Bazyar, Interlink Advertising Services Inc.
* http://www.hypermall.com/
* 10/1/97 - commented out CFG_PHYIE bit - we don't care when the PHY

```
* interrupts us (except possibly for removal/insertion of the cable?)
* 10/4/97 - began heavy inline documentation of the code. Corrected typos
* and spelling mistakes.
* 10/5/97 - added code to handle PHY interrupts, disable PHY on
* loss of link, and correctly re-enable PHY when link is
* re-established. (put back CFG_PHYIE)
*
*   Modified to work with the IDT7721 nicstar -- AAL5 (tested) only.
*
* R. D. Rechenmacher <ron@fnal.gov>, Aug. 6, 1997
*
* Linux driver for the IDT77201 NICStAR PCI ATM controller.
* PHY component is expected to be 155 Mbps S/UNI-Lite or IDT 77155;
* see init_nicstar() for PHY initialization to change this. This driver
* expects the Linux ATM stack to support scatter-gather
 lists
* (skb->atm.iovcnt != 0) for Rx skb's passed to vcc->push.
*
* Implementing minimal-copy of received data:
*   IDT always receives data into a small buffer, then large buffers
*     as needed. This means that data must always be copied to create
*     the linear buffer needed by most non-ATM protocol stacks (e.g. IP)
*     Fix is simple: make large buffers large enough to hold entire
*     SDU, and leave <small_buffer_data> bytes empty at the start. Then
*     copy small buffer contents to head of large buffer.
*   Trick is to avoid fragmenting Linux, due to need for a lot of large
*     buffers. This is done by 2 things:
*       1) skb->destructor / skb->atm.recycle_buffer
*            combined, allow nicstar_free_rx_skb to be called to
*            recycle large data buffers
*       2) skb_clone of received buffers
*   See nicstar_free_rx_skb and linearize_buffer for implementation
*     details.
*
*
*
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*
* M. Welsh, 6 July 1996
*
*
*/

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(in case you are wondering where CyberLogin is, EON changed its login procedure and CyberLogin is no longer used.)

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for the nxt2004 frontend driver

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single nxt200x frontend driver.

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"Source code" for a work means the preferred form of the work for

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(For example, a function in a library to compute square roots has

a purpose that is entirely well-defined independent of the application. Therefore, Subsection 2d requires that any application-supplied function or table used by this function must be optional: if the application does not supply it, the square root function must still compute square roots.)

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(For example, a function in a library to compute square roots has a purpose that is entirely well-defined independent of the application. Therefore, Subsection 2d requires that any application-supplied function or table used by this function must be optional: if the application does not supply it, the square root function must still compute square roots.)

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ordinary GNU General Public License has appeared, then you can specify
that version instead if you wish.) Do not make any other change in
these notices.

Once this change is made in a given copy, it is irreversible for that
copy, so the ordinary GNU General Public License applies to all
subsequent copies and derivative works made from that copy.

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

@sp 1
@item
You may copy and distribute the Library (or a portion or derivative of
it, under Section 2)
 in object code or executable form under the terms
of Sections 1 and 2 above provided that you accompany it with the
complete corresponding machine-readable source code, which must be
distributed under the terms of Sections 1 and 2 above on a medium
customarily used for software interchange.

If distribution of object code is made by offering access to copy from a
designated place, then offering equivalent access to copy the source
code from the same place satisfies the requirement to distribute the
source code, even though third parties are not compelled to copy the
source along with the object code.

@sp 1
@item
A program that contains no derivative of any portion of the Library, but
is designed to work with the Library by being compiled or linked with
it, is called a ``work that uses the Library''. Such a work, in
isolation, is not a derivative work of the Library, and therefore falls
outside the scope of this License.

However, linking a ``work that uses the Library'' with the Library
 creates
an executable that is a derivative of the Library (because it contains
portions of the Library), rather than a ``work that uses the library''.
The executable is therefore covered by this License. Section 6 states
terms for distribution of such executables.

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.

@sp 1
@item
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.

You must give prominent notice with each copy of the work that the Library is used in it and that the Library and its use are covered by this License. You must supply a copy of this License. If the work during execution displays copyright notices, you must include the copyright notice for the Library among them, as well as a reference directing the user to the copy of this License. Also, you must do one of these things:

@enumerate a

@sp 1
@item
Accompany the work with the complete corresponding machine-readable source code for the Library including whatever changes were used in the work (which must be distributed under Sections 1 and 2 above); and, if the work is an executable linked with the Library, with the complete machine-readable ``work that uses the Library'', as object code and/or source code, so that the user can modify the Library and then relink to produce a modified executable containing the modified Library. (It is understood that the user who changes the contents of definitions files in the Library will not necessarily be able to recompile the application

to use the modified definitions.)

@sp 1
@item
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.

@sp 1
@item
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.

@sp 1
@item
If distribution of the work is made by offering access to copy from a designated place, offer equivalent access to copy the above specified materials from the same place.

@sp 1
@item
Verify that the user has already received a copy of these materials or that you have already sent this user a copy.

@end enumerate

For an executable, the required form of the ``work that uses the Library'' must include any data and utility programs needed for reproducing the executable from
it. However, as a special exception, the materials to
be distributed need not include anything that is normally distributed (in either source or binary form) with the major components (compiler, kernel, and so on) of the operating system on which the executable runs, unless that component itself accompanies the executable.

It may happen that this requirement contradicts the license restrictions of other proprietary libraries that do not normally accompany the operating system. Such a contradiction means you cannot use both them and the Library together in an executable that you distribute.

@sp 1
@item

You may place library facilities that are a work based on the Library
side-by-side in a single library together with other library facilities
not covered by this License, and distribute such a combined library,
provided that the separate distribution of the work based on the Library
and of the other library facilities is otherwise permitted, and provided
that you do these two things:

@enumerate
a

@sp 1
@item
Accompany the combined library with a copy of the same work based on the
Library, uncombined with any other library facilities. This must be
distributed under the terms of the Sections above.

@sp 1
@item
Give prominent notice with the combined library of the fact that part of
it is a work based on the Library, and explaining where to find the
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If any portion of this section is held invalid or unenforceable under any particular circumstance, the balance of the section is intended to apply, and the section as a whole is intended to apply in other circumstances.

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such claims; this section has the sole purpose of protecting the integrity of the free software distribution system which is implemented by public license practices. Many people have made generous contributions to the wide range of software distributed through that system in reliance on consistent application of that system; it is up to the author/donor to decide if he or she is willing to distribute software through any other system and a licensee cannot impose that choice.

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@end enumerate

@sp 1
@center END OF TERMS AND CONDITIONS
@sp 1
@page
@center How to Apply These Terms to Your New Libraries

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terms of
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To apply these terms, attach the following notices to the library. It
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at least the ``copyright'' line and a pointer to where the full notice is
found.

@format
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}
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Also add information on how to contact you by electronic and paper mail.

You should also get your employer (if you work as a programmer) or your
school, if any, to sign a ``copyright disclaimer'' for the library, if
necessary. Here is a sample; alter the names:

@format
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Yoyodyne, Inc., hereby disclaims all copyright interest in the
library `Frob' (a library for tweaking knobs) written by James Random Hacker.

<signature of Ty Coon>, 1 April 1990
Ty Coon, President of Vice
}
@end format

That's all there is to it!

@c @bye

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Version 2.1, February 1999

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it in new free programs; and that you are informed that you can do
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code. If you link other code with the library, you must provide
complete object files to the recipients, so that they can relink them
with the library after making changes to the library and recompiling
it. And you must show them these terms so they know their rights.

We protect your rights with a two-step method: (1) we copyright the
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introduced by others.

Finally, software
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any free program. We wish to make sure that a company cannot
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When a program is linked with a library, whether statically or using a shared library, the combination of the two is legally speaking a combined work, a derivative of the original library. The ordinary General Public License therefore permits
such linking only if the
entire combination fits its criteria of freedom. The Lesser General Public License permits more lax criteria for linking other code with the library.

We call this license the "Lesser" General Public License because it does Less to protect the user's freedom than the ordinary General Public License. It also provides other free software developers Less of an advantage over competing non-free programs. These disadvantages are the reason we use the ordinary General Public License for many libraries. However, the Lesser license provides advantages in certain special circumstances.

For example, on rare occasions, there may be a special need to encourage the widest possible use of a certain library, so that it becomes a de-facto standard. To achieve this, non-free programs must be allowed to use the library. A more frequent case is that a free library does the same job as widely used non-free libraries. In this case, there is little to gain by limiting
the free library to free
software only, so we use the Lesser General Public License.

In other cases, permission to use a particular library in non-free programs enables a greater number of people to use a large body of free software. For example, permission to use the GNU C Library in non-free programs enables many more people to use the whole GNU operating system, as well as its variant, the GNU/Linux operating system.

Although the Lesser General Public License is Less protective of the users' freedom, it does ensure that the user of a program that is linked with the Library has the freedom and the wherewithal to run that program using a modified version of the Library.

The precise terms and conditions for copying, distribution and modification follow. Pay close attention to the difference between a

"work based on the library" and a "work that uses the library". The former contains code derived from the library, whereas the latter must be combined with the library in order
to run.

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A "library" means a collection of software functions and/or data prepared so as to be conveniently linked with application programs (which use some of those functions and data) to form executables.

The "Library", below, refers to any such software library or work which has been distributed under these terms. A "work based on the Library" means either the Library or any derivative work under copyright law: that is to say, a work containing the Library or a portion of it, either verbatim or with modifications and/or translated straightforwardly into
another language. (Hereinafter, translation is
included without limitation in the term "modification".)

"Source code" for a work means the preferred form of the work for making modifications to it. For a library, complete source code means all the source code for all modules it contains, plus any associated interface definition files, plus the scripts used to control compilation and installation of the library.

Activities other than copying, distribution and modification are not covered by this License; they are outside its scope. The act of running a program using the Library is not restricted, and output from such a program is covered only if its contents constitute a work based on the Library (independent of the use of the Library in a tool for writing it). Whether that is true depends on what the Library does and what the program that uses the Library does.

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a) The modified work must itself be a software library.

b) You must cause the files modified to carry prominent notices stating that you changed the files and the date of any change.

c) You must cause the whole of the work to be licensed at no charge to all third parties under the terms of this License.

d) If a facility in the modified Library refers to a function or a table of data to be supplied by an application program that uses the facility, other than as an argument passed when the facility is invoked, then you must make a good faith effort to ensure that, in the event an application does not supply such function or table, the facility still operates, and performs whatever part of its purpose remains meaningful.

(For example, a function in a library to compute square roots has a purpose that is entirely well-defined independent of the application. Therefore, Subsection 2d requires that any application-supplied function or table used by this function must be optional: if the application does not supply it, the square root function must still compute square roots.)

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.

Thus, it is not the intent of this section to claim rights or contest

your rights to work written entirely by you; rather, the intent is to exercise the right to control the distribution of derivative or collective works based on the Library.

In addition, mere aggregation of another work not based on the Library with the Library (or with a work based on the Library) on a volume of a storage or distribution medium does not bring the other work under the scope of this License.

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Once this change is made in a given copy, it is irreversible for that copy, so the ordinary GNU General Public License applies to all subsequent copies and derivative works made from that copy.

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

4. You may copy and distribute the Library (or a portion or derivative of it, under Section 2) in object code or executable form under the terms of Sections 1 and 2 above provided that you accompany it with the complete corresponding machine-readable source code, which must be distributed under the terms of Sections 1 and 2 above on a medium customarily used for software interchange.

If distribution of object code is made by offering access to copy from a designated place, then offering equivalent access to copy the source code from the same place satisfies the requirement to distribute the source code, even though third parties are not compelled to copy the source along with the object code.

5. A program that contains no derivative of any portion of the Library, but is designed to work with the Library by being compiled or linked with it, is called a "work that uses the Library". Such a work, in isolation, is not a derivative work of the Library, and therefore falls outside the scope of this License.

However, linking a "work that uses the Library" with the Library creates an executable that is a derivative of the Library (because it

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library". The executable is therefore covered by this License.
Section 6 states terms for distribution of such executables.

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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a) Accompany the work with the complete corresponding machine-readable source code for the Library including whatever changes were used in the work (which must be distributed under Sections 1 and 2 above); and, if the work is an executable linked with the Library, with the complete machine-readable "work that uses the Library", as object code and/or source code, so that the user can modify the Library and then relink to produce a modified

executable containing the modified Library. (It is understood that the user who changes the contents of definitions files in the Library will not necessarily be able to recompile the application to use the modified definitions.)

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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For an executable, the required form of the "work that uses the Library" must include any data and utility programs needed for reproducing the executable from it. However, as a special exception, the materials to be distributed need not include anything that is normally
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It may happen that this requirement contradicts the license restrictions of other proprietary libraries that do not normally accompany the operating system. Such a contradiction means you cannot use both them and the Library together in an executable that you distribute.

7. You may place library facilities that are a work based on the Library side-by-side in a single library together with other library facilities not covered by this License, and distribute such a combined library, provided that the separate distribution of the work based on the Library and of the other library facilities is otherwise permitted, and provided that you do these two things:

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b) Give prominent notice with the combined library of the fact that part of it is a work based on the Library, and explaining where to find the accompanying uncombined form of the same work.

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a) Accompany
the work with the complete corresponding
machine-readable source code for the Library including whatever changes were used in the work (which must be distributed under Sections 1 and 2 above); and, if the work is an executable linked with the Library, with the complete machine-readable "work that uses the Library", as object code and/or source code, so that the user can modify the Library and then relink to produce a modified executable containing the modified Library. (It is understood that the user who changes the contents of definitions files in the Library will not necessarily be able to recompile the application to use the modified definitions.)

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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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other library
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<one line to give the library's name and a brief idea of what it does.>
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library `Frob' (a library for tweaking knobs) written by James Random Hacker.

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

That's all there is to it!

1.39 lua 5.4.2

1.39.1 Available under license :

No license file was found, but licenses were detected in source scan.

Lua is free software,
more details.

Found in path(s):
* /opt/cola/permits/1117084974_1608110407.29/0/lua-lua-v5-4-2-0-g9d067ab-tar-gz/lua-lua-9d067ab/manual/manual.of
No license file was found, but licenses were detected in source scan.

```
#!/usr/bin/env lua5.3



-- special marks:
-- \1 - paragraph (empty line)
-- \4 - remove spaces around it
-- \3 - ref (followed by label|)

------------------------------------------------------------------
header = [[
<!DOCTYPE html PUBLIC "-//W3C//DTD HTML 3.2 Final//EN">
<html>

<head>
<title>Lua 5.4 Reference Manual</title>
<meta http-equiv="Content-Type" content="text/html;charset=utf-8">
<link rel="stylesheet" href="lua.css">
<link rel="stylesheet" href="manual.css">
</head>

<body bgcolor="#FFFFFF">

<hr>
<h1>
<a href="http://www.lua.org/home.html"><img src="logo.gif" alt="[Lua logo]" border="0"></a>
Lua 5.4 Reference Manual
</h1>
```

```
by Roberto Ierusalimschy, Luiz Henrique de Figueiredo, Waldemar Celes
<p>
<small>
<a href="http://www.lua.org/copyright.html">Copyright</a>
&copy; 2020 Lua.org, PUC-Rio.  All rights reserved.
</small>
<hr>

<!-- ====================================================================== -->
<p>

]]

footer
 = "\n\n</body></html>\n\n"

local seefmt = '(see %s)'

if arg[1] == 'port' then
 seefmt = '(ver %s)'
 header = string.gsub(header, "by (.-)\n",
 "%1\n<p>Tradu&ccedil;&atilde;o: S&eacute;rgio Queiroz de Medeiros", 1)
 header = string.gsub(header, "Lua (%d+.%d+) Reference Manual",
                         "Manual de Refer&ecirc;ncia de Lua %1")
 header = string.gsub(header, "All rights reserved",
                         "Todos os direitos reservados")
end


---------------------------------------------------------------

local function compose (f,g)
 assert(f and g)
 return function (s) return g(f(s)) end
end

local function concat (f, g)
 assert(f and g)
 return function (s) return f(s) .. g(s) end
end


local Tag = {}


setmetatable(Tag, {
 __index = function (t, tag)
```

```
    local v = function (n, att)
      local e = ""
      if type(att) == "table" then
        for k,v in pairs(att) do e = string.format('%s %s="%s"', e, k, v) end
      end
       if n then
        return string.format("<%s%s>%s</%s>", tag, e, n, tag)
      else
        return string.format("<%s%s>", tag, e)
      end
    end
    t[tag] = v
    return v
 end
})



------------------------------------------------------------------
local labels = {}


local function anchor (text, label, link, textlink)
 if labels[label] then
   error("label " .. label .. " already defined")
 end
 labels[label] = {text = textlink, link = link}
 return Tag.a(text, {name=link})
end

local function makeref (label)
 assert(not string.find(label, "|"))
 return string.format("\3%s\3", label)
end

local function ref (label)
 local l = labels[label]
 if not l then
   io.stderr:write("label ", label, " undefined\n")
   return "@@@@@@@@"
 else
   return Tag.a(l.text, {href="#"..l.link})
 end
end

------------------------------------------------------------------
local function nopara (t)
 t = string.gsub(t, "\1", "\n\n")
```

```
 t = string.gsub(t, "<p>%s*</p>", "")
  return t
end

local function fixpara (t)
 t = string.gsub(t, "\1", "\n</p>\n\n<p>\n")
 t = string.gsub(t, "<p>%s*</p>", "")
 return t
end

local function antipara (t)
 return "</p>\n" .. t .. "<p>"
end


Tag.pre = compose(Tag.pre, antipara)
Tag.ul = compose(Tag.ul, antipara)

-----------------------------------------------------------------
local Gfoots = 0
local footnotes = {}

local line = Tag.hr(nil)

local function dischargefoots ()
 if #footnotes == 0 then return "" end
 local fn = table.concat(footnotes)
 footnotes = {}
 return line .. Tag.h3"footnotes:" .. fn .. line
end


local Glists = 0
local listings = {}

local function dischargelist ()
 if #listings == 0 then return "" end
 local l = listings
 listings = {}
 return line .. table.concat(l, line..line) .. line
end

-----------------------------------------------------------------
local counters = {
h1 = {val = 1},
h2 = {father = "h1", val = 1},
h3 = {father = "h2", val = 1},
listing = {father = "h1", val = 1},
```

```
}

local
 function inccounter (count)
 counters[count].val = counters[count].val + 1
 for c, v in pairs(counters) do
  if v.father == count then v.val = 1 end
 end
end

local function getcounter (count)
 local c = counters[count]
 if c.father then
  return getcounter(c.father) .. "." .. c.val
 else
  return c.val .. ""
 end
end
-------------------------------------------------------------------


local function fixed (x)
 return function () return x end
end

local function id (x) return x end


local function prepos (x, y)
 assert(x and y)
 return function (s) return string.format("%s%s%s", x, s, y) end
end


local rw = Tag.b




local function LuaName (name)
 return Tag.code(name)
end


local function getparam (s)
 local i, e = string.find(s, "^[^%s@|]+|")
 if not i then return nil, s
 else return string.sub(s, i, e - 1), string.sub(s, e + 1)
```

```
 end
end


local function gettitle (h)
 local title, p = assert(string.match(h, "<title>(.-)</title>()"))
 return title, string.sub(h,
 p)
end

local function getparamtitle (what, h, nonum)
  local label, title, c, count
  label, h = getparam(h)
  title, h = gettitle(h)
  if not nonum then
    count = getcounter(what)
    inccounter(what)
    c = string.format("%s &ndash; ", count)
  else
    c = ""
  end
  label = label or count
  if label then
    title = anchor(title, label, count, "&sect;"..count)
  end
  title = string.format("%s%s", c, title)
  return title, h
end

local function section (what, nonum)
 return function (h)
  local title
  title, h = getparamtitle(what, h, nonum)
  local fn = what == "h1" and dischargefoots() or ""
  h = fixpara(Tag.p(h))
  return "</p>\n" .. Tag[what](title) .. h .. fn ..
        dischargelist() .. "<p>"
 end
end


local function verbatim (s)
 s = nopara(s)
 s = string.gsub(s, "\n", "\n     ")
 s = string.gsub(s, "\n%s*$", "\n")
 return Tag.pre(s)
end
```

```
local function verb (s)
 return Tag.code(s)
end


local function lua2link
 (e)
 return string.find(e, "luaL?_") and e or "pdf-"..e
end


local verbfixed = verb


local Tex = {

ANSI = function (func)
         return "ISO C function " .. Tag.code(func)
       end,
At = fixed"@",
B = Tag.b,
bigskip = fixed"",
bignum = id,
C = fixed"",
Ci = prepos("<!-- ", " -->"),
CId = function (func)
      return "C function " .. Tag.code(func)
    end,
chapter = section"h1",
Char = compose(verbfixed, prepos("'", "'")),
Cdots = fixed"&middot;&middot;&middot;",
Close = fixed"}",
col = Tag.td,
defid = function (name)
         local l = lua2link(name)
         local c = Tag.code(name)
         return anchor(c, l, l, c)
       end,
def = Tag.em,
description = compose(nopara, Tag.ul),
Em = fixed("\4" .. "&mdash;" .. "\4"),
emph = Tag.em,
emphx = Tag.em,    -- emphasis plus index (if there was an index)
En = fixed("&ndash;"),
format = fixed"",
["false"] = fixed(Tag.b"false"),
id = Tag.code,
```

```
idx = Tag.code,
index = fixed"",
Lidx = fixed"",  -- Tag.code,
ldots
 = fixed"...",
x = id,
itemize = compose(nopara, Tag.ul),
leq = fixed"&le;",
Lid = function (s)
      return makeref(lua2link(s))
    end,
M = Tag.em,
N = function (s) return (string.gsub(s, " ", " ")) end,
NE = id,        -- tag"foreignphrase",
num = id,
["nil"] = fixed(Tag.b"nil"),
fail = fixed(Tag.b"fail"),
Open = fixed"{",
part = section("h1", true),
Pat = compose(verbfixed, prepos("""", """")),
preface = section("h1", true),
psect = section("h2", true),
Q = prepos("", ""),
refchp = makeref,
refcode = makeref,
refsec = makeref,

pi = fixed"&pi;",
rep = Tag.em,  -- compose(prepos("&lt;", "&gt;"), Tag.em),
Rw = rw,
rw = rw,
sb = Tag.sub,
sp = Tag.sup,
St = compose(verbfixed, prepos("", "")),
sect1 = section"h1",
sect2 = section"h2",
sect3 = section"h3",
sect4 = section("h4", true),
simplesect = id,
Tab2 = function (s) return Tag.table(s, {border=1}) end,
row = Tag.tr,
title = Tag.title,
todo = Tag.todo,
["true"] = fixed(Tag.b"true"),
T = verb,

item = function (s)
```

```
    local t, p = string.match(s, "^([^\n|]+)|()")
      if t then
        s = string.sub(s, p)
        s = Tag.b(t..": ") .. s
      end
      return Tag.li(fixpara(s))
    end,

verbatim = verbatim,

manual = id,


-- for the manual

link =function (s)
 local l, t = getparam(s)
 assert(l)
 return string.format("%s (%s)", t, makeref(l))
end,

see = function (s) return string.format(seefmt, makeref(s)) end,
See = makeref,
seeC = function (s)
       return string.format(seefmt, makeref(s))
     end,

seeF = function (s)
       return string.format(seefmt, makeref(lua2link(s)))
     end,

APIEntry = function (e)
 local h, name
 h, e = string.match(e, "^%s*(.-)%s*|(.*)$")
 name = string.match(h, "(luaL?_[%w_]+)%)? +%(") or
       string.match(h, "luaL?_[%w_]+")
 local a = anchor(Tag.code(name), name, name, Tag.code(name))
 local apiicmd, ne = string.match(e, "^(.-</span>)(.*)")
--io.stderr:write(e)
 if not apiicmd then
   return antipara(Tag.hr() .. Tag.h3(a))
 .. Tag.pre(h) .. e
 else
   return antipara(Tag.hr() .. Tag.h3(a)) .. apiicmd .. Tag.pre(h) .. ne
 end
end,

LibEntry = function (e)
```

```
 local h, name
 h, e = string.match(e, "^(.-)|(.*)$")
 name = string.gsub(h, " (.+", "")
 local l = lua2link(name)
 local a = anchor(Tag.code(h), l, l, Tag.code(name))
 return Tag.hr() .. Tag.h3(a) .. e
end,

Produc = compose(nopara, Tag.pre),
producname = prepos("\t", " ::= "),
Or = fixed" | ",
VerBar = fixed"&#124;",  -- vertical bar
OrNL = fixed" | \4",
bnfNter = prepos("", ""),
bnfopt = prepos("[", "]"),
bnfrep = prepos("{", "}"),
bnfter = compose(Tag.b, prepos("&lsquo;", "&rsquo;")),
producbody = function (s)
        s = string.gsub(s, "%s+", " ")
        s = string.gsub(s, "\4", "\n\t\t")
        return s
      end,

apii = function (s)
      local pop,push,err = string.match(s, "^(.-),(.-),(.*)$")
      if pop ~= "?" and string.find(pop, "%W") then
        pop = "(" .. pop .. ")"
      end
      if push ~= "?"
 and string.find(push, "%W") then
        push = "(" .. push .. ")"
      end
      err = (err == "-") and "&ndash;" or Tag.em(err)
      return Tag.span(
            string.format("[-%s, +%s, %s]", pop, push, err),
            {class="apii"}
          )
    end,
}

local others = prepos("?? "," ??")

local function trata (t)
 t = string.gsub(t, "@(%w+)(%b{})", function (w, f)
      f = trata(string.sub(f, 2, -2))
      if type(Tex[w]) ~= "function" then
       io.stderr:write(w .. "\n")
       return others(f)
```

```
      else
       return Tex[w](f, w)
      end
    end)
 return t
end


--------------------------------------------------------------------
--------------------------------------------------------------------

-- read whole book
t = io.read"*a"

t = string.gsub(t, "[<>&\128-\255]",
 {["<"] = "&lt;",
  [">"] = "&gt;",
  ["&"] = "&amp;",
  ["\170"] = "&ordf;",
  ["\186"] = "&ordm;",
  ["\192"] = "&Agrave;",
  ["\193"] = "&Aacute;",
   ["\194"] = "&Acirc;",
  ["\195"] = "&Atilde;",
  ["\199"] = "&Ccedil;",
  ["\201"] = "&Eacute;",
  ["\202"] = "&Ecirc;",
  ["\205"] = "&Iacute;",
  ["\211"] = "&Oacute;",
  ["\212"] = "&Ocirc;",
  ["\218"] = "&Uacute;",
  ["\224"] = "&agrave;",
  ["\225"] = "&aacute;",
  ["\226"] = "&acirc;",
  ["\227"] = "&atilde;",
  ["\231"] = "&ccedil;",
  ["\233"] = "&eacute;",
  ["\234"] = "&ecirc;",
  ["\237"] = "&iacute;",
  ["\243"] = "&oacute;",
  ["\244"] = "&ocirc;",
  ["\245"] = "&otilde;",
  ["\250"] = "&uacute;",
  ["\252"] = "&uuml;"
 })

t = string.gsub(t, "\n\n+", "\1")
```

```
-- complete macros with no arguments
t = string.gsub(t, "(@%w+)([^{%w])", "%1{}%2")

t = trata(t)

-- correct references
t = string.gsub(t, "\3(.-)\3", ref)

-- remove extra space (??)
t = string.gsub(t, "%s*\4%s*", "")

t = nopara(t)

-- HTML 3.2 does not need </p> (but complains when it is in wrong places :)
t = string.gsub(t, "</p>", "")

io.write(header, t, footer)
```

Found in path(s):
*
/opt/cola/permits/1117084974_1608110407.29/0/lua-lua-v5-4-2-0-g9d067ab-tar-gz/lua-lua-9d067ab/manual/2html
No license file was found, but licenses were detected in source scan.

```
--[[
******************************************************************************
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*
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* a copy of this software and associated documentation files (the
* "Software"), to deal in the Software without restriction, including
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* /opt/cola/permits/1117084974_1608110407.29/0/lua-lua-v5-4-2-0-g9d067ab-tar-gz/lua-lua-9d067ab/testes/all.lua
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1.40 json-cpp 1.6.2

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1.41 websocket-client 0.47.0

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1.42 expat 2.2.8

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1.44 dmalloc 5.5.2

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```
#!/usr/bin/perl5 -w
#
# dmalloc_summarize -- summarizes dmalloc log files
#
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#
# $Id: dmalloc_summarize.pl,v 1.1.1.1 2012/09/18
```

09:28:11 mohammr1 Exp $
#
/*
*
* Copyright (c) 1994, Textil Computer Design GmbH, Dresden
*
* Author: J"org Wunsch
*
* Dumb atexit() implementation. It is far from being elegant. It is
* only here to provide a workaround for systems where the existing
* atexit() implementation is known to cause problems due to doing
* own mallocs. The problem arose originally on a Data General
* machine running DG/UX 5.4R*, along with gcc compiling C++ code.
* In order to have global and static variables called their const-
* ructors, a chunk of code has been placed by the compiler that
* ran before invoking main(). This code registered the desctructors
* with atexit() at this very early stage, but the existing atexit()
* bypassed the normal memory allocation scheme, and hence caused
* grievous troubles in combination with the dmalloc library.
*
* Known problem for DG/UX: the crt0.o (at least in a COFF environ-
* ment) passes the return value from main() to _real_exit() instead
* of exit().
Hence programs which return from main instead of calling
* exit() do not work as expected. I do not see any good workaround
* for this so far (since crt0.o always happens to reference the
* _real_exit() from the library, even if we would provide our very
* own symbol for it).
*
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1.45 libestr 0.1.11

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Version 2.1, February 1999

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1.47 libev 4.22

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1.49 futures 3.0.5

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1.52 backports-functools-lru-cache 1.5

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1.53 pyserial 2.7

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1.54 pycurl 7.43.0

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1.56 procps 3.2.7

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(For example, a function in a library to compute square roots has a purpose that is entirely well-defined independent of the application. Therefore, Subsection 2d requires that any application-supplied function or table used by
this function must
be optional: if the application does not supply it, the square root function must still compute square roots.)

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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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If distribution of object code is made by offering access to copy

from a designated place, then offering equivalent access to copy the source code from the same place satisfies the requirement to distribute the source code, even though third parties are not compelled to copy the source along with the object code.

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However, linking a "work that uses the Library" with the Library creates an executable that is a derivative of the Library (because it contains portions of the Library), rather than a "work that uses the library". The executable is therefore covered by this License. Section 6 states terms for distribution of such executables.

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 compile 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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during execution displays copyright notices, you must include the
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of these things:

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with the Library, with the complete machine-readable "work that
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to use the modified definitions.)

b) Accompany
the work with a written offer, valid for at
least three years, to give the same user the materials
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c) If distribution of the work is made by offering access to copy
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d) Verify that the user has already received a copy of these
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7. You may place library facilities that are a work based on the

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The "source code" for a work means the preferred form of the work
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(if any) on which the executable work runs, or a compiler used to
produce the work, or an object code interpreter used to run it.

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work) run the object code and to modify the work, including
scripts to
control those activities. However, it does not include the work's
System Libraries, or general-purpose tools or generally available free
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which are not part of the work. For example, Corresponding Source
includes interface definition files associated with source files for
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Corresponding Source fixed on a durable
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customarily used for software interchange.

b) Convey the object code in, or embodied in, a physical product
(including a physical distribution medium), accompanied by a
written offer, valid for at least three years and valid for as
long as you offer spare parts or customer support for that product
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1.59 ncurses 6.3

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1.60 cheroot 6.4.0

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1.61 safeclib 4.1.9

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1.62 wireless-tools 29

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Name: wsgiref
Version: 0.1.2
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 *
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 *
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 * @author Antoon Bosselaers <antoon.bosselaers@esat.kuleuven.ac.be>
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1.72 protobuf 3.21.12

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* Optimize Java serialization of strings so that UTF-8 encoding happens only
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* Provide a type alias field ValueType
on EnumTypeWrapper
* Match service argument names to abstract interface

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1.78 policycoreutils 2.8

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1.85 libvirt-python 1.2.15

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/* Tests for res_query in libresolv

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/* BZ #17977 _res_hconf_reorder_addrs test.

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1.87 ntpclient 2010-365

1.87.1 Available under license :

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```
/*
* ntpclient.c - NTP client
*
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*
*  Possible future improvements:
*      - Write more documentation  :-(
*      - Support leap second processing
*      - Support IPv6
*      - Support multiple
 (interleaved) servers
*
*  Compile with -DPRECISION_SIOCGSTAMP if your machine really has it.
*  There are patches floating around to add this to Linux, but
*  usually you only get an answer to the nearest jiffy.
*  Hint for Linux hacker wannabes: look at the usage of get_fast_time()
```

```
*  in net/core/dev.c, and its definition in kernel/time.c .
*
*  If the compile gives you any flak, check below in the section
*  labelled "XXX fixme - non-automatic build configuration".
*/
```

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* /opt/cola/permits/1755469597_1693800303.0886743/0/ntpclient-2010-bcm32-tar/ntpclient-2010/ntpclient.c
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```
/*
* adjtimex_1.c - read, and possibly modify, the Linux kernel `timex' variables.
*
* Originally written: October 1997
* Last hack: May 2003
* Copyright 1997, 2000, 2003 Larry Doolittle <larry@doolittle.boa.org>
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*
* This adjtimex(1) is very similar in intent to adjtimex(8) by Steven
* Dick <ssd@nevets.oau.org>
 and Jim Van Zandt <jrv@vanzandt.mv.com>
* (see http://metalab.unc.edu/pub/Linux/system/admin/time/adjtimex*).
* That version predates this one, and is _much_ bigger and more
* featureful.  My independently written version was very similar to
* Steven's from the start, because they both follow the kernel timex
* structure.  I further tweaked this version to be equivalent to Steven's
* where possible, but I don't like getopt_long, so the actual usage
* syntax is incompatible.
*
* Amazingly enough, my Red Hat 5.2 sys/timex (and sub-includes)
* don't actually give a prototype for adjtimex(2), so building
* this code (with -Wall) gives a warning.  Later versions of
* glibc fix this issue.
*
* This program is too simple for a Makefile, just build with:
*  gcc -Wall -O adjtimex_1.c -o adjtimex
*/
```

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```
/*
* phaselock.c - Phase locking for NTP client
*
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* Last hack: 30 December, 2007
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*
*  Possible future improvements:
*      - Subtract configurable amount from errorbar
*      - Build in general run-time access to tune parameters
 *      - Sculpt code so it's legible, this version is out of control
*      - Write documentation  :-(
*/
```

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ntpclient is an NTP (RFC-1305, RFC-4330) 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.icarus.com/ntpclient/

Joachim Nilsson created a fork of ntpclient that he maintains at
http://vmlinux.org/jocke/ntpclient.shtml. We don't have the same
maintainance and build system sensibilities; some people may prefer his.
In
 particular, he has converted his ntpclient to daemon and syslog.
The basic functionality of the two versions should be identical.

To build on Linux, type "make". Solaris and other Unix users will
probably need to adjust the Makefile slightly. It's not complex.
For changing the system clock frequency, only the Linux adjtimex(2)
interface is implemented at this time. Non-Linux systems can only
use ntpclient to measure time differences and set the system clock,
by way of the POSIX 1003.1-2001 standard routines clock_gettime() and
clock_settime(). Also see "Bugs", below.

There are a few compile-time configurations possible, which require
editing the Makefile. Either do or don't define
 ENABLE_DEBUG
 ENABLE_REPLAY
 USE_OBSOLETE_GETTIMEOFDAY
 PRECISION_SIOCGSTAMP
Try it first without changing the default: that will give you a full-
featured ntpclient, that uses modern POSIX time functions, and works
reasonably with any Linux kernel. There are comments in ntpclient.c
that you should
 read before experimenting with PRECISION_SIOCGSTAMP.

Some older but otherwise (almost) serviceable Linux systems (e.g., Red Hat
EL-3.0 and Ubuntu 4.10) have a totally broken POSIX clock_settime()
implementation. If you get "clock_settime: Invalid argument" when you
run ntpclient -s, rebuild with -DUSE_OBSOLETE_GETTIMEOFDAY. Linux systems
that are even older won't even compile without that switch set.

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)
-g goodness causes ntpclient to stop after getting a result more accurate
                than goodness (microseconds, default 0 means go forever)
-h hostname (mandatory) NTP server, 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")
-q min_delay minimum packet delay for transaction (default 800 microseconds)
-r replay analysis code based on stdin
-s simple clock set (implies -c 1)
-t trust network and server, no RFC-4330 recommended cross-checks

Mortal users can use this program for monitoring, but not clock setting
(with the -s or -l switches). The -l switch is designed to be robust
in any network environment, but has seen the most extensive testing in
a low latency (less than 2 ms) Ethernet environment. Users in other
environments should study ntpclient's behavior, and be prepared to adjust
internal tuning parameters. A long description of how and why to use
ntpclient is in the HOWTO file. ntpclient always sends packets to the
server's UDP port 123.

One commonly needed tuning parameter for lock mode is min_delay, the
shortest possible round-trip transaction time. This can be set with the
command line -q switch. The historical default of 800
microseconds was
good for local Ethernet hardware a few years ago. If it is set too high,
you will get a lot of "inconsistent" lines in the log file when time locking
(-l switch). The only true future-proof value is 0, but that will cause the
local time to wander more than it should. I use 200 on my workstation.

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
36765 00180.386    1398.0     40.3  953773.9    793.5  -1240000
36765 00780.382    1358.0     41.3  954329.0    915.5  -1240000
36765 01380.381    1439.0     56.0  954871.3    915.5  -1240000
```

day, second: time of measurement, UTC, relative to NTP epoch (Jan 1, 1900)
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)

A relatively new feature is a series of sanity checks on
UDP packets received, generally as recommended by RFC-4330. If it
fails one of these tests, the line described above is replaced by
36765 01380.381 rejected packet
or, if ENABLE_DEBUG was selected at compile time, one of
36765 01380.381 rejected packet: LI==3

36765 01380.381 rejected packet: VN<3
36765 01380.381 rejected packet: MODE!=3
36765 01380.381 rejected packet: ORG!=sent
36765 01380.381 rejected packet: XMT==0
36765 01380.381 rejected packet: abs(DELAY)>65536
36765 01380.381 rejected packet: abs(DISP)>65536
36765 01380.381 rejected packet: STRATUM==0
To see the actual values of the rejected packet, start ntpclient with the
-d option; this will give a human-readable printout of every packet received,
including the rejected ones. To skip these checks, use the -t switch.

test.dat
 is suitable for piping into ntpclient -r. I have over 200000
samples (lines) archived for study, that I don't include here.
They are generally spaced 10 minutes apart, representing over three
years of data logging (from a variety of machines, and not continuous,
unfortunately).

As a special, added bonus, I also include my adjtimex(1) program.
See its man page and the HOWTO file for more information.

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

Changes since the widely distributed ntpclient_2000_345 version:
-- new -g option (has had limited testing)
-- changed max frequency adjustment from 91 ppm to 150 ppm
-- fixed "inconsistent" bug in phaselock.c triggered by large freq errors
-- new files: HOWTO, adjtimex.c, adjtimex.1, rate.awk, log2date.pl
-- minor source code cleanups
-- source is now as 64-bit clean as practical; tested on Alpha
-- optional patches provided by Andy Warner, see andyw.patch
 -- optional patches provided by Linksys, see linksys.patch
-- removed unreasonable 15020 day offset in date column (xntpd has this
    offset, which turns days-since-1900-epoch into Modified Julian Day)

Changes since the widely distributed ntpclient_2003_194 version:
-- default build is now -std=c99, but c89 sill works too
-- switch default compile from gettimeofday() to POSIX clock_gettime()
-- more sanity checking on the NTP reply packet, reference RFC-4330
-- fractional second printing in debug output changed to traditional decimal
-- new -f switch to set initial frequency
-- works to specify both -s and -l, will jump-set first and then phase lock
-- bug fix for select() error handling, thanks to Walter Harms
-- new man page, contributed by Walter Harms
-- most subroutines are now flagged static to the compiler
-- structural changes to the code, such as the new ntpclient.h file
-- dropped (mostly) obsolete patches from Linksys and Andy Warner

Changes since ntpclient_2006_318:
-- adjustable min_delay parameter, used to be hard-coded 800 microseconds
-- remove useless listen() call, thanks to Alexander Indenbaum
-- fix length passed to recvfrom(), thanks to Alexander Indenbaum
-- tidy up 32-bit integer declarations, prodding from Brian McAllister
-- added rate2.awk, contributed by Lou Sortman
-- provide easy way to override 15 second MIN_INTERVAL at compile time
-- relax MIN_INTERVAL enforcement for one-shot use, thanks to Mihai Buha

Changes since ntpclient_2007_365:
-- fixed type of sa_xmit_len, thanks vapier
-- dropped underscores in spelling of adjtimex(2), might make uClibc happier
-- include netdb.h and always define _BSD_SOURCE to get prototype for herror
-- minor formatting to align with Nilsson's fork
-- add -fno-strict-aliasing as needed by traditional network coding style

Bugs:
-- Doesn't understand the LI (Leap second Indicator) field of an NTP packet
-- Doesn't interact with adjtimex(2) status value
-- Can't query
multiple servers
-- IPv4 only
-- Requires Linux-style select() semantics, where timeout value is modified
-- Always returns success (0)

Adherence to RFC-4330 chapter 10, Best practices:
1. enforced, unless someone tinkers with the source code
2. no backoff, but no retry either; this isn't TCP
3. not in scope for the upstream source
4. not in scope for the upstream source
5. not in scope for the upstream source
6. supported
7. not supported
8. not supported (scary opportunity to DOS the _client_)

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

Found in path(s):
* /opt/cola/permits/1755469597_1693800303.0886743/0/ntpclient-2010-bcm32-tar/ntpclient-2010/README
No license file was found, but licenses were detected in source scan.

Package: ntpclient
Version: 2010_365-1
Depends: libc, librt, libpthread, libosc, librt
Source: package/network/utils/ntpclient
License: GPL-2.0
Section: net

Maintainer: Ted Hess <thess@kitschensync.net>
Architecture: ax-bcm32
Installed-Size: 12960
Description: NTP client for setting system time from NTP servers.

Found in path(s):
* /opt/cola/permits/1755469597_1693800303.0886743/0/ntpclient-2010-bcm32-tar/ntpclient-2010/ipkg-ax-bcm32/ntpclient/CONTROL/control

1.88 libnettle6 3.5.1

1.88.1 Available under license :

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1.91 cyrus-sasl 2.1.28

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Python was created in the early 1990s by Guido van Rossum at Stichting Mathematisch Centrum (CWI, see http://www.cwi.nl) in the Netherlands as a successor of a language called ABC. Guido remains Python's principal author, although it includes many contributions from others.

In 1995, Guido continued his work on Python at the Corporation for National Research Initiatives (CNRI, see http://www.cnri.reston.va.us) in Reston, Virginia where he released several versions of the software.

In May 2000, Guido and the Python core development team moved to BeOpen.com to form the BeOpen PythonLabs team. In October of the same year, the PythonLabs team moved to Digital Creations, which became Zope Corporation. In 2001, the Python Software Foundation (PSF, see https://www.python.org/psf/) was formed, a non-profit organization created specifically to own Python-related Intellectual Property. Zope Corporation was a sponsoring member of the PSF.

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Release	Derived from	Year	Owner	GPL-compatible? (1)
0.9.0 thru 1.2		1991-1995	CWI	yes
1.3 thru 1.5.2	1.2	1995-1999	CNRI	yes
1.6	1.5.2	2000	CNRI	no
2.0	1.6	2000	BeOpen.com	no
1.6.1	1.6	2001	CNRI	yes (2)
2.1	2.0+1.6.1	2001	PSF	no
2.0.1	2.0+1.6.1	2001	PSF	yes
2.1.1	2.1+2.0.1	2001	PSF	yes
2.1.2	2.1.1	2002	PSF	yes
2.1.3	2.1.2	2002	PSF	yes
2.2 and above	2.1.1	2001-now	PSF	yes

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its purpose remains meaningful.

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Accompany the work with the complete corresponding
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Julian Seward, Cambridge, UK.
jseward@bzip.org
bzip2/libbzip2 version 1.0.4 of 20 December 2006
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c) Accompany it with the information you received as to the offer to distribute corresponding source code. (This alternative is allowed only for noncommercial distribution and only if you received the program in object code or executable form with such an offer, in accord with Subsection b above.)

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1.102 fuse 2.9.3

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1.103 memcached 1.5.7

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A list is generated from git here: http://memcached.org/about

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1.104 util-linux 2.30.2

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This script will read the license file into memory, strip out the copyright, and then
generate an MD5 that is not unique and can be matched against a known MIT MD5 sum.
set -e

calculate_md5_sum() {
 local FILE="$1"

 # Read the contents of the file into a variable
 local raw_license_text=$(<"$FILE")

 # Convert to lowercase
 local lowercase_license_text="${raw_license_text,,}"

 # Remove anything before the beginning of the license
 local stripped_license_text=$(awk '/permission is hereby granted,/{p=1} p' <<< "$lowercase_license_text")

 # Replace line breaks (Windows or Linux) with a single space
 local replaced_linebreaks=$(tr '\r\n' ' ' <<< "$stripped_license_text")

 # Replace multiple spaces with a single space
 local normalized_license_text=$(tr -s ' ' <<< "$replaced_linebreaks")

 # Strip away any non-printable, non-whitespace characters
 local clean_unprintable_license_text=$(tr
 -cd '[:print:][:space:]' <<< "$normalized_license_text")

 # Remove punctuation and special characters
 local clean_license_text=$(echo "$clean_unprintable_license_text" | sed 's/[^a-zA-Z]//g')

 # Calculate the MD5 sum of the cleaned license text
 local MD5SUM=$(echo -n "$clean_license_text" | md5sum | awk '{print $1}')

```
 # Output the MD5 sum
 echo "$MD5SUM"
}

# Check if the FILE argument is provided
if [ -z "$1" ]; then
 echo "Please provide a FILE as an argument."
 exit 1
fi

# Invoke the function with the provided FILE argument
calculate_md5_sum "$1"
```

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1.105 pcre 8.44

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1.106 libjitterentropy 3.4.1

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1.108 iputils 20101006

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```
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*  2 of the License, or (at your option) any later version.
*
* Authors: Alexey Kuznetsov, <kuznet@ms2.inr.ac.ru>
*/
```

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* /opt/cola/permits/1826454257_1697752738.11816/0/iputils-s20101006-tar-gz/iputils-s20101006/rarpd.c
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*
* @(#)tftp.h 8.1 (Berkeley) 6/2/93
*/

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Found in path(s):
* /opt/cola/permits/1826454257_1697752738.11816/0/iputils-s20101006-tar-gz/iputils-s20101006/doc/clockdiff.sgml
* /opt/cola/permits/1826454257_1697752738.11816/0/iputils-s20101006-tar-gz/iputils-s20101006/doc/tracepath.sgml
* /opt/cola/permits/1826454257_1697752738.11816/0/iputils-s20101006-tar-gz/iputils-s20101006/doc/arping.sgml
* /opt/cola/permits/1826454257_1697752738.11816/0/iputils-s20101006-tar-gz/iputils-s20101006/doc/rarpd.sgml
* /opt/cola/permits/1826454257_1697752738.11816/0/iputils-s20101006-tar-gz/iputils-s20101006/doc/traceroute6.sgml
* /opt/cola/permits/1826454257_1697752738.11816/0/iputils-s20101006-tar-gz/iputils-s20101006/doc/pg3.sgml
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=head1 NAME

docbook2man-spec - convert DocBook RefEntries to Unix manpages

=head1 SYNOPSIS

The SGMLSpm package from CPAN. This contains the sgmlspl script which
is used to grok this file. Use it like this:

nsgmls some-docbook-document.sgml | sgmlspl docbook2man-spec.pl

=head1 DESCRIPTION

This is a sgmlspl spec file that produces Unix-style
manpages from RefEntry markup.

See the accompanying RefEntry man page for 'plain new' documentation. :)

=head1 LIMITATIONS

Trying docbook2man on non-DocBook or non-conformant SGML results in
undefined behavior. :-)

This program is a slow, dodgy Perl script.

This program does not come close to supporting all the possible markup
in DocBook, and will produce wrong output in some cases with supported
markup.

=head1 TODO

Add new element handling and fix existing handling. Be robust.
Produce cleanest, readable man output as possible (unlike some
other converters). Follow
 Linux man(7) convention.
If this results in added logic in this script,
that's okay. The code should still be reasonably organized.

Make it faster. If Perl sucks port it to another language.

=head1 COPYRIGHT

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Software Foundation, 675 Mass Ave, Cambridge, MA 02139, USA.

=cut

$Id: docbook2man-spec.pl,v 1.1 2000/07/21 20:22:30 rosalia Exp $

use SGMLS;   # Use the SGMLS package.
use SGMLS::Output; # Use stack-based output.
use SGMLS::Refs;

```
##############################################################################
# SGMLSPL script produced automatically by
 the script sgmlspl.pl
#
# Document Type: any, but processes only RefEntries
# Edited by: me :)
##############################################################################

$write_manpages = 0;
$blank_xrefs = 0;

sgml('start', sub {
 push_output('nul');
 $raw_cdata = 1;   # Makes it a bit faster.

 # Links file
 open(LINKSFILE, ">manpage.links");

 $Refs = new SGMLS::Refs("manpage.refs");
});
sgml('end', sub {
 close(LINKSFILE);
 if($blank_xrefs) {
  print STDERR "Warning: output contains unresolved XRefs\n";
 }
});




##############################################################################
#
# Output helpers
#
##############################################################################

# Our own version of sgml() and output() to allow simple string output
# to play well with roff's stupid whitespace rules.

sub man_sgml
{
 if(ref($_[1]) eq 'CODE') {
  return &sgml;
 }

 my $s = $_[1];
```

```
 $s =~ s/\\/\\\\/g;
 $s =~ s/'/\\'/g;

 # \n at the beginning means start at beginning of line
 if($s
 =~ s/^\n//) {
  $sub = 'sub { output "\n" unless $newline_last++; ';
  if($s eq '') {
   sgml($_[0], eval('sub { output "\n" unless $newline_last++; }'));
  } elsif($s =~ /\n$/) {
   sgml($_[0], eval("sub { output \"\\n\" unless \$newline_last++; output '$s'; }"));
  } else {
   sgml($_[0], eval("sub { output \"\\n\" unless \$newline_last; output '$s'; \$newline_last = 0; }"));
  }
 } else {
  if($s =~ /\n$/) {
   sgml($_[0], eval("sub { output '$s'; \$newline_last = 1; }"));
  } else {
   sgml($_[0], eval("sub { output '$s'; \$newline_last = 0; }"));
  }
 }
}

sub man_output
{
 $_ = shift;
 if(s/^\n//) {
  output "\n" unless $newline_last++;
 }
 return if $_ eq '';

 output $_;

 if(@_) {
  output @_;
  $newline_last = (pop(@_) =~ /\n$/);
 } else {
  $newline_last = ($_ =~ /\n$/)
 }
}

# Fold lines into one, quote some characters
sub fold_string
{
 $_ = shift;

 s/\\/\\\\/g;
 s/'/\\&'/g;
```

```
 # Change tabs to spaces
 tr/\t\n/  /;

 # Trim whitespace from beginning and end.
 s/^ +//;
 s/
 +$//;

 return $_;
}

sub save_cdata()
{
 $raw_cdata++;
 push_output('string');
}

sub bold_on()
{
 # If the last font is also bold, don't change anything.
 # Basically this is to just get more readable man output.
 if($fontstack[$#fontstack] ne 'bold') {
  if(!$raw_cdata) {
   output '\fB';
   $newline_last = 0;
  }
 }
 push(@fontstack, 'bold');
}

sub italic_on()
{
 # If the last font is also italic, don't change anything.
 if($fontstack[$#fontstack] ne 'italic') {
  if(!$raw_cdata) {
   output '\fI';
   $newline_last = 0;
  }
 }
 push(@fontstack, 'italic');
}

sub font_off()
{
 my $thisfont = pop(@fontstack);
 my $lastfont = $fontstack[$#fontstack];
```

```
 # Only output font change if it is different
 if($thisfont ne $lastfont) {
  if($raw_cdata)   { return; }
  elsif($lastfont eq 'bold')  { output '\fB'; }
  elsif($lastfont eq 'italic') { output '\fI'; }
  else    { output '\fR'; }

  $newline_last = 0;
 }
}
```

```
##############################################################################
#
#
 Manpage management
#
##############################################################################

sgml('<REFENTRY>', sub {
 # This will be overwritten at end of REFMETA, when we know the name of the page.
 pop_output();

 $write_manpages = 1;  # Currently writing manpage.

 $nocollapse_whitespace = 0; # Current whitespace collapse counter.
 $newline_last = 1;  # At beginning of line?
  # Just a bit of warning, you will see this variable manipulated
  # manually a lot.  It makes the code harder to follow but it
  # saves you from having to worry about collapsing at the end of
  # parse, stopping at verbatims, etc.
 $raw_cdata = 0;                # Instructs certain output functions to
    # leave CDATA alone, so we can assign
    # it to a string and process it, etc.
 @fontstack = ();  # Fonts being activated.

 $manpage_title = '';  # Needed for indexing.
 $manpage_sect = '';
 @manpage_names = ();

 $manpage_misc = '';

 $list_nestlevel = 0;  # Indent certain nested
```

```
 content.
});
sgml('</REFENTRY>', sub {
 if(!$newline_last) {
  output "\n";
 }

 $write_manpages = 0;
 $raw_cdata = 1;
 push_output('nul');
});

sgml('</REFMETA>', sub {
 push_output('file', "$manpage_title.$manpage_sect");

 output <<_END_BANNER;
.\\" This manpage has been automatically generated by docbook2man
.\\" from a DocBook document.  This tool can be found at:
.\\" <http://shell.ipoline.com/~elmert/comp/docbook2X/>
.\\" Please send any bug reports, improvements, comments, patches,
.\\" etc. to Steve Cheng <steve\@ggi-project.org>.
_END_BANNER

 my $manpage_date = `date "+%d %B %Y"`;

 output '.TH "';

 # If the title is not mixed-case, convention says to
 # uppercase the whole title.  (The canonical title is
 # lowercase.)
 if($manpage_title =~ /[A-Z]/) {
  output fold_string($manpage_title);
 } else {
  output uc(fold_string($manpage_title));
 }

 output  '" "', fold_string($manpage_sect),
  '" "', fold_string(`date "+%d %B %Y"`),
  '" "', $manpage_misc,
  '" "',
 $manpage_manual,
  "\"\n";

 $newline_last = 1;

 # References to this RefEntry.
 my $id = $_[0]->parent->attribute('ID')->value;
 if($id ne '') {
```

```
  # The 'package name' part of the section should
  # not be used when citing it.
  my ($sectnum) = ($manpage_sect =~ /([0-9]*)/);

  if($_[0]->parent->attribute('XREFLABEL')->value eq '') {
   $Refs->put("refentry:$id", "$manpage_title($sectnum)");
  } else {
   $Refs->put("refentry:$id",
    $_[0]->parent->attribute('XREFLABEL')->value .
    "($sectnum)");
  }
 }
});

sgml('<REFENTRYTITLE>', sub {
 if($_[0]->in('REFMETA')) {
  save_cdata();
 } else {
  # Manpage citations are in bold.
  bold_on();
 }
});
sgml('</REFENTRYTITLE>', sub {
 if($_[0]->in('REFMETA')) {
  $raw_cdata--;
  $manpage_title = pop_output();
 }
 else { font_off(); }
});

sgml('<MANVOLNUM>', sub {
 if($_[0]->in('REFMETA')) {
  save_cdata();
 } else {
  # Manpage citations use ().
  output '(';
 }
});
sgml('</MANVOLNUM>', sub {
 if($_[0]->in('REFMETA')) {
  $raw_cdata--;
  $manpage_sect
 = pop_output();
 }
 else { output ')' }
});

sgml('<REFMISCINFO>', \&save_cdata);
```

```
sgml('</REFMISCINFO>', sub {
 $raw_cdata--;
 $manpage_misc = fold_string(pop_output());
});


# NAME section
man_sgml('<REFNAMEDIV>', "\n.SH NAME\n");

sgml('<REFNAME>', \&save_cdata);
sgml('</REFNAME>', sub {
 $raw_cdata--;
 push(@manpage_names, pop_output());
});

sgml('<REFPURPOSE>', \&save_cdata);
sgml('</REFPURPOSE>', sub {
 $raw_cdata--;
 my $manpage_purpose = fold_string(pop_output());

 for(my $i = 0; $i < $#manpage_names; $i++) {
  output fold_string($manpage_names[$i]), ', ';
 }

 output fold_string($manpage_names[$#manpage_names]);
 output " \\- $manpage_purpose\n";

 $newline_last = 1;

 foreach(@manpage_names) {
  # Don't link to itself
  if($_ ne $manpage_title) {
   print LINKSFILE "$manpage_title.$manpage_sect $_.$manpage_sect\n";
  }
 }
});

man_sgml('<REFCLASS>', "\n.sp\n");

#RefDescriptor




################################################################################
#
#
```

```
 SYNOPSIS section and synopses
#
###############################################################################

man_sgml('<REFSYNOPSISDIV>', "\n.SH SYNOPSIS\n");
man_sgml('</REFSYNOPSISDIV>', "\n");

## FIXME! Must be made into block elements!!
#sgml('<FUNCSYNOPSIS>', \&bold_on);
#sgml('</FUNCSYNOPSIS>', \&font_off);
#sgml('<CMDSYNOPSIS>', \&bold_on);
#sgml('</CMDSYNOPSIS>', \&font_off);

man_sgml('<FUNCSYNOPSIS>', sub {
 man_output("\n.sp\n");
 bold_on();
});
man_sgml('</FUNCSYNOPSIS>', sub {
 font_off();
 man_output("\n");
});

man_sgml('<CMDSYNOPSIS>', "\n\n");
man_sgml('</CMDSYNOPSIS>', "\n\n");

man_sgml('<FUNCPROTOTYPE>', "\n.sp\n");

# Arguments to functions.  This is C convention.
man_sgml('<PARAMDEF>', '(');
man_sgml('</PARAMDEF>', ");\n");
man_sgml('<VOID>', "(void);\n");



sub arg_start
{
 # my $choice = $_[0]->attribute('CHOICE')->value;

 # The content model for CmdSynopsis doesn't include #PCDATA,
 # so we won't see any of the whitespace in the source file,
 #
 so we have to add it after each component.
 output ' ';

 if($_[0]->attribute('CHOICE')->value =~ /opt/i) {
  output '[ ';
 }
 bold_on();
```

```
}
sub arg_end
{
 font_off();
 if($_[0]->attribute('REP')->value =~ /^Repeat/i) {
  italic_on();
  output ' ...';
  font_off();
 }
 if($_[0]->attribute('CHOICE')->value =~ /opt/i) {
  output '] ';
 }
}

sgml('<ARG>', \&arg_start);
sgml('</ARG>', \&arg_end);
sgml('<GROUP>', \&arg_start);
sgml('</GROUP>', \&arg_end);

sgml('<OPTION>', \&bold_on);
sgml('</OPTION>', \&font_off);

# FIXME: This is one _blank_ line.
man_sgml('<SBR>', "\n\n");


###############################################################################
#
# General sections
#
###############################################################################

# The name of the section is handled by TITLE.  This just sets
# up the roff markup.
man_sgml('<REFSECT1>', "\n.SH ");
man_sgml('<REFSECT2>', "\n.SS ");
man_sgml('<REFSECT3>', "\n.SS ");


###############################################################################
#
#
 Titles, metadata.
#
###############################################################################

sgml('<TITLE>', sub {
 if($_[0]->in('REFERENCE') or $_[0]->in('BOOK')) {
```

```
 $write_manpages = 1;
 }
 save_cdata();
});
sgml('</TITLE>', sub {
 my $title = fold_string(pop_output());
 $raw_cdata--;

 if($_[0]->in('REFERENCE') or $_[0]->in('BOOK')) {
  # We use TITLE of enclosing Reference or Book as manual name
  $manpage_manual = $title;
  $write_manpages = 0;
 }
 elsif(exists $_[0]->parent->ext->{'title'}) {
  # By far the easiest case.  Just fold the string as
  # above, and then set the parent element's variable.
  $_[0]->parent->ext->{'title'} = $title;
 }
 else {
  # If the parent element's handlers are lazy,
  # output the folded string for them :)
  # We assume they want uppercase and a newline.
  output "", uc($title), "\"\n";
  $newline_last = 1;
 }
});

sgml('<ATTRIBUTION>', sub { push_output('string') });
sgml('</ATTRIBUTION>', sub { $_[0]->parent->ext->{'attribution'}
 = pop_output(); });


# IGNORE.
sgml('<DOCINFO>', sub { push_output('nul'); });
sgml('</DOCINFO>', sub { pop_output(); });
sgml('<REFSECT1INFO>', sub { push_output('nul'); });
sgml('</REFSECT1INFO>', sub { pop_output(); });
sgml('<REFSECT2INFO>', sub { push_output('nul'); });
sgml('</REFSECT2INFO>', sub { pop_output(); });
sgml('<REFSECT3INFO>', sub { push_output('nul'); });
sgml('</REFSECT3INFO>', sub { pop_output(); });

sgml('<INDEXTERM>', sub { push_output('nul'); });
sgml('</INDEXTERM>', sub { pop_output(); });


##############################################################################
#
```

```
# Set bold on enclosed content
#
#############################################################################

sgml('<APPLICATION>', \&bold_on); sgml('</APPLICATION>', \&font_off);

sgml('<CLASSNAME>', \&bold_on);  sgml('</CLASSNAME>', \&font_off);
sgml('<STRUCTNANE>', \&bold_on); sgml('</STRUCTNAME>', \&font_off);
sgml('<STRUCTFIELD>', \&bold_on); sgml('</STRUCTFIELD>', \&font_off);
sgml('<SYMBOL>',
 \&bold_on);  sgml('</SYMBOL>', \&font_off);
sgml('<TYPE>', \&bold_on);  sgml('</TYPE>', \&font_off);

sgml('<ENVAR>', \&bold_on); sgml('</ENVAR>', \&font_off);

sgml('<FUNCTION>', \&bold_on); sgml('</FUNCTION>', \&font_off);

sgml('<EMPHASIS>', \&bold_on); sgml('</EMPHASIS>', \&font_off);

sgml('<ERRORNAME>', \&bold_on); sgml('</ERRORNAME>', \&font_off);
# ERRORTYPE

sgml('<COMMAND>', \&bold_on); sgml('</COMMAND>', \&font_off);

sgml('<GUIBUTTON>', \&bold_on); sgml('</GUIBUTTON>', \&font_off);
sgml('<GUIICON>', \&bold_on); sgml('</GUIICON>', \&font_off);
# GUILABEL
# GUIMENU
# GUIMENUITEM
# GUISUBMENU
# MENUCHOICE
# MOUSEBUTTON

sgml('<ACCEL>', \&bold_on); sgml('</ACCEL>', \&font_off);
sgml('<KEYCAP>', \&bold_on); sgml('</KEYCAP>', \&font_off);
sgml('<KEYSYM>', \&bold_on); sgml('</KEYSYM>', \&font_off);
# KEYCODE
# KEYCOMBO
# SHORTCUT

sgml('<USERINPUT>', \&bold_on); sgml('</USERINPUT>', \&font_off);

sgml('<INTERFACEDEFINITION>', \&bold_on);
sgml('</INTERFACEDEFINITION>', \&font_off);

#
 May need to look at the CLASS
sgml('<SYSTEMITEM>', \&bold_on);
```

```
sgml('</SYSTEMITEM>', \&font_off);




###############################################################################
#
# Set italic on enclosed content
#
###############################################################################

sgml('<FIRSTTERM>', \&italic_on); sgml('</FIRSTTERM>', \&font_off);

sgml('<FILENAME>', \&italic_on); sgml('</FILENAME>', \&font_off);
sgml('<PARAMETER>', \&italic_on); sgml('</PARAMETER>', \&font_off);
sgml('<PROPERTY>', \&italic_on); sgml('</PROPERTY>', \&font_off);

sgml('<REPLACEABLE>', sub {
 italic_on();
 if($_[0]->in('TOKEN')) {
  # When tokenizing, follow more 'intuitive' convention
  output "<";
 }
});
sgml('</REPLACEABLE>', sub {
 if($_[0]->in('TOKEN')) {
  output ">";
 }
 font_off();
});

sgml('<CITETITLE>', \&italic_on); sgml('</CITETITLE>', \&font_off);
sgml('<FOREIGNPHRASE>', \&italic_on); sgml('</FOREIGNPHRASE>', \&font_off);

sgml('<LINEANNOTATION>', \&italic_on); sgml('</LINEANNOTATION>',
 \&font_off);




###############################################################################
#
# Other 'inline' elements
#
###############################################################################
```

```
man_sgml('<EMAIL>', '<');
man_sgml('</EMAIL>', '>');
man_sgml('<OPTIONAL>', '[');
man_sgml('</OPTIONAL>', ']');

man_sgml('</TRADEMARK>', "\\u\\s-2TM\\s+2\\d");

man_sgml('<COMMENT>', "[Comment: ");
man_sgml('</COMMENT>', "]");

man_sgml('<QUOTE>', "``");
man_sgml('</QUOTE>', "''");

#man_sgml('<LITERAL>', "");
#man_sgml('</LITERAL>', "");

# No special presentation:

# AUTHOR
# AUTHORINITIALS

# ABBREV
# ACTION
# ACRONYM
# ALT
# CITATION
# PHRASE
# QUOTE
# WORDASWORD

# COMPUTEROUTPUT
# MARKUP
# PROMPT
# RETURNVALUE
# SGMLTAG
# TOKEN

# DATABASE
# HARDWARE
# INTERFACE
# MEDIALABEL

# There doesn't seem to be a good way to represent LITERAL in -man



##############################################################################
```

```
#
# Paragraph and paragraph-like elements
#
##############################################################################

sub
 para_start {
 output "\n" unless $newline_last++;

 # In lists, etc., don't start paragraph with .PP since
 # the indentation will be gone.

 if($_[0]->parent->ext->{'nobreak'}==1) {
  # Usually this is the FIRST element of
  # a hanging tag, so we MUST not do a full
  # paragraph break.
  $_[0]->parent->ext->{'nobreak'} = 2;
 } elsif($_[0]->parent->ext->{'nobreak'}==2) {
  # Usually these are the NEXT elements of
  # a hanging tag.  If we break using a blank
  # line, we're okay.
  output "\n";
 } else {
  # Normal case. (For indented blocks too, at least
  # -man isn't so braindead in this area.)
  output ".PP\n";
 }
}
# Actually applies to a few other block elements as well
sub para_end {
 output "\n" unless $newline_last++;
}

sgml('<PARA>', \&para_start);
sgml('</PARA>', \&para_end);
sgml('<SIMPARA>', \&para_start);
sgml('</SIMPARA>', \&para_end);

# Nothing special, except maybe FIXME set nobreak.
sgml('<INFORMALEXAMPLE>',
 \&para_start);
sgml('</INFORMALEXAMPLE>', \&para_end);




##############################################################################
```

```
#
# Blocks using SS sections
#
##############################################################################

# FIXME: We need to consider the effects of SS
# in a hanging tag :(

# Complete with the optional-title dilemma (again).
sgml('<ABSTRACT>', sub {
 $_[0]->ext->{'title'} = 'ABSTRACT';
 output "\n" unless $newline_last++;
 push_output('string');
});
sgml('</ABSTRACT>', sub {
 my $content = pop_output();

 # As ABSTRACT is never on the same level as RefSect1,
 # this leaves us with only .SS in terms of -man macros.
 output ".SS \"", uc($_[0]->ext->{'title'}), "\"\n";

 output $content;
 output "\n" unless $newline_last++;
});

# Ah, I needed a break.  Example always has a title.
man_sgml('<EXAMPLE>', "\n.SS ");
sgml('</EXAMPLE>', \&para_end);

# Same with sidebar.
man_sgml('<SIDEBAR>', "\n.SS ");
sgml('</SIDEBAR>', \&para_end);

# NO title.
man_sgml('<HIGHLIGHTS>',
 "\n.SS HIGHLIGHTS\n");
sgml('</HIGHLIGHTS>', \&para_end);




##############################################################################
#
# Indented 'Block' elements
#
##############################################################################

sub indent_block_start
```

```
{
 output "\n" unless $newline_last++;
 output ".sp\n.RS\n";
}
sub indent_block_end
{
 output "\n" unless $newline_last++;
 output ".RE\n";
}

# This element is almost like an admonition (below),
# only the default title is blank :)

sgml('<BLOCKQUOTE>', sub {
 $_[0]->ext->{'title'} = '';
 output "\n" unless $newline_last++;
 push_output('string');
});
sgml('</BLOCKQUOTE>', sub {
 my $content = pop_output();

 indent_block_start();

 if($_[0]->ext->{'title'}) {
  output ".B \"", $_[0]->ext->{'title'}, ":\"\n";
 }

 output $content;

 if($_[0]->ext->{'attribution'}) {
  output "\n" unless $newline_last++;
  # One place where roff's space-sensitivity makes sense :)
  output "\n               -- ";
  output
 $_[0]->ext->{'attribution'} . "\n";
 }

 indent_block_end();
});

# Set off admonitions from the rest of the text by indenting.
# FIXME: Need to check if this works inside paragraphs, not enclosing them.
sub admonition_end {
 my $content = pop_output();

 indent_block_start();

 # When the admonition is only one paragraph,
```

```
 # it looks nicer if the title was inline.
 my $num_para;
 while ($content =~ /^\.PP/gm) { $num_para++ }
 if($num_para==1) {
  $content =~ s/^\.PP\n//;
 }

 output ".B \"" . $_[0]->ext->{'title'} . ":\"\n";
 output $content;

 indent_block_end();
}

sgml('<NOTE>', sub {
 # We can't see right now whether or not there is a TITLE
 # element, so we have to save the output now and add it back
 # at the end of this admonition.
 $_[0]->ext->{'title'} = 'Note';

 # Although admonition_end's indent_block_start will do this,
 # we need to synchronize the output _now_
 output "\n" unless $newline_last++;

 push_output('string');
});
sgml('</NOTE>', \&admonition_end);

#
 Same as above.
sgml('<WARNING>', sub {
 $_[0]->ext->{'title'} = 'Warning';
 output "\n" unless $newline_last++;
 push_output('string');
});
sgml('</WARNING>', \&admonition_end);

sgml('<TIP>', sub {
 $_[0]->ext->{'title'} = 'Tip';
 output "\n" unless $newline_last++;
 push_output('string');
});
sgml('</TIP>', \&admonition_end);
sgml('<CAUTION>', sub {
 $_[0]->ext->{'title'} = 'Caution';
 output "\n" unless $newline_last++;
 push_output('string');
});
sgml('</CAUTION>', \&admonition_end);
```

```
sgml('<IMPORTANT>', sub {
 $_[0]->ext->{'title'} = 'Important';
 output "\n" unless $newline_last++;
 push_output('string');
});
sgml('</IMPORTANT>', \&admonition_end);
```

```
##############################################################################
#
# Verbatim displays.
#
##############################################################################

sub verbatim_start {
 output "\n" unless $newline_last++;

 if($_[0]->parent->ext->{'nobreak'}==1) {
  # Usually this is the FIRST element of
  #
 a hanging tag, so we MUST not do a full
  # paragraph break.
  $_[0]->parent->ext->{'nobreak'} = 2;
 } else {
  output "\n";
 }

 output(".nf\n") unless $nocollapse_whitespace++;
}

sub verbatim_end {
 output "\n" unless $newline_last++;
 output(".fi\n") unless --$nocollapse_whitespace;
}

sgml('<PROGRAMLISTING>', \&verbatim_start);
sgml('</PROGRAMLISTING>', \&verbatim_end);
```

```
sgml('<SCREEN>', \&verbatim_start);
sgml('</SCREEN>', \&verbatim_end);

sgml('<LITERALLAYOUT>', \&verbatim_start);
sgml('</LITERALLAYOUT>', \&verbatim_end);

#sgml('<SYNOPSIS>', sub {
# if($_[0]->attribute('FORMAT')->value =~ /linespecific/i) {
#  &verbatim_start;
# } else {
#  roffcmd("");
# }
#});
#
#sgml('</SYNOPSIS>', sub {
# if($_[0]->attribute('FORMAT')->value =~ /linespecific/i) {
#  &verbatim_end;
# }
# else {
#  roffcmd("");# not sure about this.
# }
#});
sgml('<SYNOPSIS>', \&verbatim_start);
sgml('</SYNOPSIS>', \&verbatim_end);









##############################################################################
#
#
 Lists
#
##############################################################################

# Indent nested lists.
sub indent_list_start {
 if($list_nestlevel++) {
  output "\n" unless $newline_last++;
  output ".RS\n";
 }
}
```

```
sub indent_list_end {
 if(--$list_nestlevel) {
  output "\n" unless $newline_last++;
  output ".RE\n";
 }
}

sgml('<VARIABLELIST>', \&indent_list_start);
sgml('</VARIABLELIST>', \&indent_list_end);
sgml('<ITEMIZEDLIST>', \&indent_list_start);
sgml('</ITEMIZEDLIST>', \&indent_list_end);
sgml('<ORDEREDLIST>', sub {
 indent_list_start();
 $_[0]->ext->{'count'} = 1;
});
sgml('</ORDEREDLIST>', \&indent_list_end);

# Output content on one line, bolded.
sgml('<TERM>', sub {
 output "\n" unless $newline_last++;
 output ".TP\n";
 bold_on();
 push_output('string');
});
sgml('</TERM>', sub {
 my $term = pop_output();
 $term =~ tr/\n/ /;
 output $term;
 font_off();
 output "\n";
 $newline_last = 1;
});

sgml('<LISTITEM>', sub {
 # A bulleted list.
 if($_[0]->in('ITEMIZEDLIST'))
 {
  output "\n" unless $newline_last++;
  output ".TP 0.2i\n\\(bu\n";
 }

 # Need numbers.
 # Assume Arabic numeration for now.
 elsif($_[0]->in('ORDEREDLIST')) {
  output "\n" unless $newline_last++;
  output ".TP ", $_[0]->parent->ext->{'count'}++, ". \n";
 }
```

```
 $_[0]->ext->{'nobreak'} = 1;
});

sgml('<SIMPLELIST>', sub {
 $_[0]->ext->{'first_member'} = 1;
});

sgml('<MEMBER>', sub {
 my $parent = $_[0]->parent;

 if($parent->attribute('TYPE')->value =~ /Inline/i) {
  if($parent->ext->{'first_member'}) {
   # If this is the first member don't put any commas
   $parent->ext->{'first_member'} = 0;
  } else {
   output ", ";
  }
 } elsif($parent->attribute('TYPE')->value =~ /Vert/i) {
  output "\n" unless $newline_last++;
  output "\n";
 }
});




################################################################################
#
# Stuff we don't know how to handle (yet)
#
################################################################################

# Address blocks:

# Credit stuff:
#
 ACKNO
# ADDRESS
# AFFILIATION
# ARTPAGENUMS
# ATTRIBUTION
# AUTHORBLURB
# AUTHORGROUP
# OTHERCREDIT
# HONORIFIC

# Areas:
```

```
# AREA
# AREASET
# AREASPEC




##############################################################################
#
# Linkage, cross references
#
##############################################################################

# Print the URL
sgml('</ULINK>', sub {
# output ' <URL:', $_[0]->attribute('URL')->value, '>';
 $newline_last = 0;
});

# If cross reference target is a RefEntry,
# output CiteRefEntry-style references.
sgml('<XREF>', sub {
 my $id = $_[0]->attribute('LINKEND')->value;
 my $manref = $Refs->get("refentry:$id");

 if($manref) {
  my ($title, $sect) = ($manref =~ /(.*)(\(.*\))/);
  bold_on();
  output $title;
  font_off();
  output $sect;
 } else {
  $blank_xrefs++ if $write_manpages;
  output "[XRef to $id]";
 }

 $newline_last = 0;
});

# Anchor




##############################################################################
#
# Other handlers
```

```
#
##############################################################################

man_sgml('|[lt
   ]|', '<');
man_sgml('|[gt    ]|', '>');
man_sgml('|[amp   ]|', '&');

#
# Default handlers (uncomment these if needed).  Right now, these are set
# up to gag on any unrecognised elements, sdata, processing-instructions,
# or entities.
#
# sgml('start_element',sub { die "Unknown element: " . $_[0]->name; });
# sgml('end_element','');

# This is for weeding out and escaping certain characters.
# This looks like it's inefficient since it's done on every line, but
# in reality, SGMLSpm and sgmlspl parsing ESIS takes _much_ longer.

sgml('cdata', sub
{
 if(!$write_manpages) { return; }
 elsif($raw_cdata) { output $_[0]; return; }

 # Escape backslashes
 $_[0] =~ s/\\/\\\\/g;

 # In non-'pre'-type elements:
 if(!$nocollapse_whitespace) {
  # Change tabs to spaces
  $_[0] =~ tr/\t/ /;

  # Do not allow indents at beginning of line
  # groff chokes on that.
  if($newline_last) {
   $_[0] =~ s/^ +//;

   # If the
 line is all blank, don't do anything.
   if($_[0] eq '') { return; }

   $_[0] =~ s/^\./\\\&\./;

   # Argh... roff doesn't like ' either...
   $_[0] =~ s/^\'/\\\&\'/;
  }
 }
```

```
 $newline_last = 0;

 output $_[0];
});


# When in whitespace-collapsing mode, we disallow consecutive newlines.

sgml('re', sub
{
 if($nocollapse_whitespace || !$newline_last) {
  output "\n";
 }

 $newline_last = 1;
});

sgml('sdata',sub { die "Unknown SDATA: " . $_[0]; });
sgml('pi',sub { die "Unknown processing instruction: " . $_[0]; });
sgml('entity',sub { die "Unknown external entity: " . $_[0]->name; });
sgml('start_subdoc',sub { die "Unknown subdoc entity: " . $_[0]->name; });
sgml('end_subdoc','');
sgml('conforming','');

1;
```

Found in path(s):
* /opt/cola/permits/1826454257_1697752738.11816/0/iputils-s20101006-tar-gz/iputils-s20101006/doc/docbook2man-spec.pl
No license file was found, but licenses were detected in source scan.

```
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* OUT OF THE USE OF THIS SOFTWARE, EVEN IF ADVISED OF THE POSSIBILITY OF
* SUCH DAMAGE.
*/
/*
*   P I N G . C
*
 * Using the InterNet Control Message Protocol (ICMP) "ECHO" facility,
* measure round-trip-delays and packet loss across network paths.
*
* Author -
* Mike Muuss
* U. S. Army Ballistic Research Laboratory
* December, 1983
*
* Status -
* Public Domain. Distribution Unlimited.
* Bugs -
* More statistics could always be gathered.
* This program has to run SUID to ROOT to access the ICMP socket.
*/

Found in path(s):
* /opt/cola/permits/1826454257_1697752738.11816/0/iputils-s20101006-tar-gz/iputils-s20101006/ping.c
* /opt/cola/permits/1826454257_1697752738.11816/0/iputils-s20101006-tar-gz/iputils-s20101006/ping6.c
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* tracepath.c
*
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*
* Authors: Alexey Kuznetsov, <kuznet@ms2.inr.ac.ru>
*/

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* /opt/cola/permits/1826454257_1697752738.11816/0/iputils-s20101006-tar-gz/iputils-s20101006/tracepath.c
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* tracepath6.c
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*
* Authors: Alexey Kuznetsov, <kuznet@ms2.inr.ac.ru>
*/

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Found in path(s):
* /opt/cola/permits/1826454257_1697752738.11816/0/iputils-s20101006-tar-gz/iputils-s20101006/doc/tftpd.sgml
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/* pg3.c: Packet Generator for packet performance testing.
*
* Copyright 2001 by Robert Olsson <robert.olsson@its.uu.se>
*   Uppsala University, Sweden
*
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* it under the terms of the GNU General Public License as published by
* the Free Software Foundation; either version 2 of the License, or
* (at your option) any later version.
*
*
*
*/

Found in path(s):
* /opt/cola/permits/1826454257_1697752738.11816/0/iputils-s20101006-tar-gz/iputils-s20101006/Modules/pg3.c
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*/
```

Found in path(s):
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*
/opt/cola/permits/1826454257_1697752738.11816/0/iputils-s20101006-tar-gz/iputils-s20101006/tftpsubs.c
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```
/*
* arping.c
*
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*  modify it under the terms of the GNU General Public License
*  as published by the Free Software Foundation; either version
*  2 of the License, or (at your option) any later version.
*
* Authors: Alexey Kuznetsov, <kuznet@ms2.inr.ac.ru>
*/
```

Found in path(s):
* /opt/cola/permits/1826454257_1697752738.11816/0/iputils-s20101006-tar-gz/iputils-s20101006/arping.c

1.109 tftp-hpa 5.2

1.109.1 Available under license :

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```
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```

Found in path(s):
* /opt/cola/permits/1833546142_1698379726.218706/0/tftp-hpa-5-2-r0-tar-bz2/tftp-hpa-5.2-r0/tftp-hpa-5.2/tftp-hpa-5.2/tftpd/tftpd.8.in
No license file was found, but licenses were detected in source scan.

Summary: The client for the Trivial File Transfer Protocol (TFTP).
Name: tftp
Version: 5.2
Release: 1
License: BSD
Group: Applications/Internet
Source0: http://www.kernel.org/pub/software/network/tftp/tftp-hpa-%{version}.tar.gz
BuildRequires: tcp_wrappers-devel
BuildRoot: %{_tmppath}/%{name}-root

%description
The Trivial File Transfer Protocol (TFTP) is normally used only for
booting diskless workstations. The tftp package provides the user
interface for TFTP, which allows users to transfer files to and from a
remote machine. This program and TFTP provide very little security,
and should not be enabled unless it is expressly needed.

%package server
Group: System Environment/Daemons
Summary: The server for the Trivial File Transfer Protocol (TFTP).
Requires: xinetd

%description server
The Trivial File Transfer Protocol (TFTP) is normally used only for
booting diskless workstations. The tftp-server package provides
 the
server for TFTP, which allows users to transfer files to and from a
remote machine. TFTP provides very little security, and should not be
enabled unless it is expressly needed. The TFTP server is run from
/etc/xinetd.d/tftp, and is disabled by default on Red Hat Linux systems.

%prep
%setup -q -n tftp-hpa-%{version}

%build

%configure
make %{?_smp_mflags}

%install
rm -rf ${RPM_BUILD_ROOT}
mkdir -p ${RPM_BUILD_ROOT}%{_bindir}
mkdir -p ${RPM_BUILD_ROOT}%{_mandir}/man{1,8}

```
mkdir -p ${RPM_BUILD_ROOT}%{_sbindir}

make INSTALLROOT=${RPM_BUILD_ROOT} \
   SBINDIR=%{_sbindir} MANDIR=%{_mandir} \
 install
install -m755 -d ${RPM_BUILD_ROOT}%{_sysconfdir}/xinetd.d/ ${RPM_BUILD_ROOT}/tftpboot
install -m644 tftp-xinetd ${RPM_BUILD_ROOT}%{_sysconfdir}/xinetd.d/tftp

%post server
/sbin/service xinetd reload > /dev/null 2>&1 || :

%postun server
if [ $1 = 0 ]; then
   /sbin/service xinetd reload > /dev/null 2>&1 || :
fi

%clean
rm -rf ${RPM_BUILD_ROOT}

%files
%defattr(-,root,root)
%{_bindir}/tftp
%{_mandir}/man1/*

%files
 server
%defattr(-,root,root)
%config(noreplace) %{_sysconfdir}/xinetd.d/tftp
%dir /tftpboot
%{_sbindir}/in.tftpd
%{_mandir}/man8/*

%changelog
* Tue Sep 14 2004 H. Peter Anvin <hpa@zytor.com>
- removed completely broken "Malta" patch.
- integrated into build machinery so rpm -ta works.

* Fri Feb 13 2004 Elliot Lee <sopwith@redhat.com>
- rebuilt

* Wed Jun 04 2003 Elliot Lee <sopwith@redhat.com>
- rebuilt

* Fri Apr 11 2003 Elliot Lee <sopwith@redhat.com>
- 0.33
- Add /tftpboot directory (#88204)

* Mon Feb 24 2003 Elliot Lee <sopwith@redhat.com>
```

- rebuilt

* Sun Feb 23 2003 Tim Powers <timp@redhat.com>
- add BuildPreReq on tcp_wrappers

* Wed Jan 22 2003 Tim Powers <timp@redhat.com>
- rebuilt

* Mon Nov 11 2002 Elliot Lee <sopwith@redhat.com> 0.32-1
- Update to 0.32

* Wed Oct 23 2002 Elliot Lee <sopwith@redhat.com> 0.30-1
- Fix #55789
- Update to 0.30

* Thu Jun 27 2002 Elliot Lee <sopwith@redhat.com>
- Try applying HJ's patch from #65476

* Fri Jun
21 2002 Tim Powers <timp@redhat.com>
- automated rebuild

* Mon Jun 17 2002 Elliot Lee <sopwith@redhat.com>
- Update to 0.29

* Thu May 23 2002 Tim Powers <timp@redhat.com>
- automated rebuild

* Wed Jan 09 2002 Tim Powers <timp@redhat.com>
- automated rebuild

* Tue Dec 18 2001 Elliot Lee <sopwith@redhat.com> 0.17-15
- Add patch4: netkit-tftp-0.17-defaultport.patch for bug #57562
- Update to tftp-hpa-0.28 (bug #56131)
- Remove include/arpa/tftp.h to fix #57259
- Add resource limits in tftp-xinetd (#56722)

* Sun Jun 24 2001 Elliot Lee <sopwith@redhat.com>
- Bump release + rebuild.

* Tue Jun 12 2001 Helge Deller <hdeller@redhat.de> (0.17-13)
- updated tftp-hpa source to tftp-hpa-0.17
- tweaked specfile with different defines for tftp-netkit and tftp-hpa version
- use hpa's tftpd.8 man page instead of the netkits one

* Mon May 07 2001 Helge Deller <hdeller@redhat.de>
- rebuilt in 7.1.x

* Wed Apr 18 2001 Helge Deller <hdeller@redhat.de>
- fix tftp client's put problems (#29529)
- update
 to tftp-hpa-0.16

* Wed Apr 4 2001 Jakub Jelinek <jakub@redhat.com>
- don't let configure to guess compiler, it can pick up egcs

* Thu Feb 08 2001 Helge Deller <hdeller@redhat.de>
- changed "wait" in xinetd file to "yes" (hpa-tftpd forks and exits) (#26467)
- fixed hpa-tftpd to handle files greater than 32MB (#23725)
- added "-l" flag to hpa-tftpd for file-logging (#26467)
- added description for "-l" to the man-page

* Thu Feb 08 2001 Helge Deller <hdeller@redhat.de>
- updated tftp client to 0.17 stable (#19640),
- drop dependency on xinetd for tftp client (#25051),

* Wed Jan 17 2001 Jeff Johnson <jbj@redhat.com>
- xinetd shouldn't wait on tftp (which forks) (#23923).

* Sat Jan 6 2001 Jeff Johnson <jbj@redhat.com>
- fix to permit tftp put's (#18128).
- startup as root with chroot to /tftpboot with early reversion to nobody
 is preferable to starting as nobody w/o ability to chroot.
- %%post is needed by server, not client. Add %%postun for erasure as well.

* Wed Aug 23 2000
 Nalin Dahyabhai <nalin@redhat.com>
- default to being disabled

* Thu Aug 17 2000 Jeff Johnson <jbj@redhat.com>
- correct group.

* Tue Jul 25 2000 Nalin Dahyabhai <nalin@redhat.com>
- change user from root to nobody

* Sat Jul 22 2000 Jeff Johnson <jbj@redhat.com>
- update to tftp-hpa-0.14 (#14003).
- add server_args (#14003).
- remove -D_BSD_SOURCE (#14003).

* Fri Jul 21 2000 Nalin Dahyabhai <nalin@redhat.com>
- cook up an xinetd config file for tftpd

* Wed Jul 12 2000 Prospector <bugzilla@redhat.com>
- automatic rebuild

* Sun Jun 18 2000 Jeff Johnson <jbj@redhat.com>
- FHS packaging.
- update to 0.17.

* Fri May 5 2000 Matt Wilson <msw@redhat.com>
- use _BSD_SOURCE for hpa's tftpd so we get BSD signal semantics.

* Fri Feb 11 2000 Bill Nottingham <notting@redhat.com>
- fix description

* Wed Feb 9 2000 Jeff Johnson <jbj@redhat.com>
- compress man pages (again).

* Wed Feb 02 2000 Cristian Gafton <gafton@redhat.com>
- man pages are compressed
- fix description and summary

* Tue
Jan 4 2000 Bill Nottingham <notting@redhat.com>
- split client and server

* Tue Dec 21 1999 Jeff Johnson <jbj@redhat.com>
- update to 0.16.

* Sat Aug 28 1999 Jeff Johnson <jbj@redhat.com>
- update to 0.15.

* Wed Apr 7 1999 Jeff Johnson <jbj@redhat.com>
- tftpd should truncate file when overwriting (#412)

* Sun Mar 21 1999 Cristian Gafton <gafton@redhat.com>
- auto rebuild in the new build environment (release 22)

* Mon Mar 15 1999 Jeff Johnson <jbj@redhat.com>
- compile for 6.0.

* Fri Aug 7 1998 Jeff Johnson <jbj@redhat.com>
- build root

* Mon Apr 27 1998 Prospector System <bugs@redhat.com>
- translations modified for de, fr, tr

* Mon Sep 22 1997 Erik Troan <ewt@redhat.com>
- added check for getpwnam() failure

* Tue Jul 15 1997 Erik Troan <ewt@redhat.com>
- initial build

Found in path(s):
* /opt/cola/permits/1833546142_1698379726.218706/0/tftp-hpa-5-2-r0-tar-bz2/tftp-hpa-5.2-r0/tftp-hpa-5.2/tftp-hpa-5.2/tftp.spec
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.\"   without specific prior written permission.

Found in path(s):
* /opt/cola/permits/1833546142_1698379726.218706/0/tftp-hpa-5-2-r0-tar-bz2/tftp-hpa-5.2-r0/tftp-hpa-5.2/tftp-hpa-5.2/tftp/tftp.1.in
No license file was found, but licenses were detected in source scan.

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*
* -- */

Found in path(s):
* /opt/cola/permits/1833546142_1698379726.218706/0/tftp-hpa-5-2-r0-tar-bz2/tftp-hpa-5.2-r0/tftp-hpa-5.2/tftp-hpa-5.2/config.h
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* -- */

Found in path(s):
* /opt/cola/permits/1833546142_1698379726.218706/0/tftp-hpa-5-2-r0-tar-bz2/tftp-hpa-5.2-r0/tftp-hpa-5.2/tftp-hpa-5.2/tftpd/remap.h
* /opt/cola/permits/1833546142_1698379726.218706/0/tftp-hpa-5-2-r0-tar-bz2/tftp-hpa-5.2-r0/tftp-hpa-5.2/tftp-hpa-5.2/tftpd/remap.c
* /opt/cola/permits/1833546142_1698379726.218706/0/tftp-hpa-5-2-r0-tar-bz2/tftp-hpa-5.2-r0/tftp-hpa-5.2/tftp-hpa-5.2/tftpd/misc.c
No license file was found, but licenses were detected in source scan.

Summary: The client for the Trivial File Transfer Protocol (TFTP).
Name: tftp
Version: @@VERSION@@
Release: 1
License: BSD
Group: Applications/Internet
Source0: http://www.kernel.org/pub/software/network/tftp/tftp-hpa-%{version}.tar.gz
BuildRequires: tcp_wrappers-devel
BuildRoot: %{_tmppath}/%{name}-root

%description
The Trivial File Transfer Protocol (TFTP) is normally used only for
booting diskless workstations. The tftp package provides the user
interface for TFTP, which allows users to transfer files to and from a
remote machine. This program and TFTP provide very little security,
and should not be enabled unless it is expressly needed.

%package server
Group: System Environment/Daemons
Summary: The server for the Trivial File Transfer Protocol (TFTP).
Requires: xinetd

%description server
The Trivial File Transfer Protocol (TFTP) is normally used only for
booting diskless workstations. The tftp-server package
 provides the
server for TFTP, which allows users to transfer files to and from a
remote machine. TFTP provides very little security, and should not be
enabled unless it is expressly needed. The TFTP server is run from
/etc/xinetd.d/tftp, and is disabled by default on Red Hat Linux systems.

%prep
%setup -q -n tftp-hpa-%{version}

%build

%configure
make %{?_smp_mflags}

```
%install
rm -rf ${RPM_BUILD_ROOT}
mkdir -p ${RPM_BUILD_ROOT}%{_bindir}
mkdir -p ${RPM_BUILD_ROOT}%{_mandir}/man{1,8}
mkdir -p ${RPM_BUILD_ROOT}%{_sbindir}

make INSTALLROOT=${RPM_BUILD_ROOT} \
   SBINDIR=%{_sbindir} MANDIR=%{_mandir} \
 install
install -m755 -d ${RPM_BUILD_ROOT}%{_sysconfdir}/xinetd.d/ ${RPM_BUILD_ROOT}/tftpboot
install -m644 tftp-xinetd ${RPM_BUILD_ROOT}%{_sysconfdir}/xinetd.d/tftp

%post server
/sbin/service xinetd reload > /dev/null 2>&1 || :

%postun server
if [ $1 = 0 ]; then
   /sbin/service xinetd reload > /dev/null 2>&1 || :
fi

%clean
rm -rf ${RPM_BUILD_ROOT}

%files
%defattr(-,root,root)
%{_bindir}/tftp
%{_mandir}/man1/*

%files
 server
%defattr(-,root,root)
%config(noreplace) %{_sysconfdir}/xinetd.d/tftp
%dir /tftpboot
%{_sbindir}/in.tftpd
%{_mandir}/man8/*

%changelog
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- removed completely broken "Malta" patch.
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- 0.33
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- don't let configure to guess compiler, it can pick up egcs

* Thu Feb 08 2001 Helge Deller <hdeller@redhat.de>
- changed "wait" in xinetd file to "yes" (hpa-tftpd forks and exits) (#26467)
- fixed hpa-tftpd to handle files greater than 32MB (#23725)
- added "-l" flag to hpa-tftpd for file-logging (#26467)
- added description for "-l" to the man-page

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- updated tftp client to 0.17 stable (#19640),
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- xinetd shouldn't wait on tftp (which forks) (#23923).

* Sat Jan 6 2001 Jeff Johnson <jbj@redhat.com>
- fix to permit tftp put's (#18128).
- startup as root with chroot to /tftpboot with early reversion to nobody
is preferable to starting as nobody w/o ability to chroot.
- %%post is needed by server, not client. Add %%postun for erasure as well.

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23 2000 Nalin Dahyabhai <nalin@redhat.com>
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- update to tftp-hpa-0.14 (#14003).
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- remove -D_BSD_SOURCE (#14003).

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* Sun Jun 18 2000 Jeff Johnson <jbj@redhat.com>
- FHS packaging.
- update to 0.17.

* Fri May 5 2000 Matt Wilson <msw@redhat.com>
- use _BSD_SOURCE for hpa's tftpd so we get BSD signal semantics.

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- compile for 6.0.

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- build root

* Mon Apr 27 1998 Prospector System <bugs@redhat.com>
- translations modified for de, fr, tr

* Mon Sep 22 1997 Erik Troan <ewt@redhat.com>
- added check for getpwnam() failure

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- initial build

Found in path(s):
* /opt/cola/permits/1833546142_1698379726.218706/0/tftp-hpa-5-2-r0-tar-bz2/tftp-hpa-5.2-r0/tftp-hpa-5.2/tftp-hpa-5.2/tftp.spec.in
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Found in path(s):
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* /opt/cola/permits/1833546142_1698379726.218706/0/tftp-hpa-5-2-r0-tar-bz2/tftp-hpa-5.2-r0/tftp-hpa-5.2/tftp-hpa-5.2/tftpd/recvfrom.c
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*
* -- */

Found in path(s):
* /opt/cola/permits/1833546142_1698379726.218706/0/tftp-hpa-5-2-r0-tar-bz2/tftp-hpa-5.2-r0/tftp-hpa-5.2/tftp-hpa-5.2/tftpd/tftpd.h
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Found in path(s):
* /opt/cola/permits/1833546142_1698379726.218706/0/tftp-hpa-5-2-r0-tar-bz2/tftp-hpa-5.2-r0/tftp-hpa-5.2/tftp-hpa-5.2/MCONFIG.in

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 in path(s):
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*
 /opt/cola/permits/1833546142_1698379726.218706/0/tftp-hpa-5-2-r0-tar-bz2/tftp-hpa-5.2-r0/tftp-hpa-5.2/tftp-hpa-5.2/common/tftpsubs.h
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*
/opt/cola/permits/1833546142_1698379726.218706/0/tftp-hpa-5-2-r0-tar-bz2/tftp-hpa-5.2-r0/tftp-hpa-5.2/tftp-hpa-5.2/tftp/main.c
* /opt/cola/permits/1833546142_1698379726.218706/0/tftp-hpa-5-2-r0-tar-bz2/tftp-hpa-5.2-r0/tftp-hpa-5.2/tftp-hpa-5.2/tftp/tftp.c

1.110 php 7.4.29

1.110.1 Available under license :

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d) If a facility in the modified Library refers to a function or a table of data to be supplied by an application program that uses the facility, other than as an argument passed when the facility is invoked, then you must make a good faith effort to ensure that, in the event an application does not supply such function or table, the facility still operates, and performs whatever part of its purpose remains meaningful.

(For example, a function in a library to compute square roots has a purpose that is entirely well-defined independent of the application. Therefore, Subsection 2d requires that any application-supplied function or table used by this function must be optional: if the application does not supply it, the square root function must still compute square roots.)

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
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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.

4. You may copy and distribute the Library (or a portion or derivative of it, under Section 2) in object code or executable form under the terms of Sections 1 and 2 above provided that you accompany it with the complete corresponding
machine-readable source code, which
must be distributed under the terms of Sections 1 and 2 above on a medium customarily used for software interchange.

If distribution of object code is made by offering access to copy from a designated place, then offering equivalent access to copy the source code from the same place satisfies the requirement to distribute the source code, even though third parties are not compelled to copy the source along with the object code.

5. A program that contains no derivative of any portion of the Library, but is designed to work with the Library by being compiled or linked with it, is called a "work that uses the Library". Such a work, in isolation, is not a derivative work of the Library, and therefore falls outside the scope of this License.

However, linking a "work that uses the Library" with the Library creates an executable that is a derivative of the Library (because it contains portions of the Library), rather than a "work that
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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
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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.

d) If distribution of the work is made by offering access to copy
from a designated place, offer equivalent access to copy the above
specified materials from the same place.

e) Verify that the user has already received a copy of these
materials or that you have already sent this user a copy.

For an executable, the required form of the "work that uses the
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(For example, a function in a library to compute square roots has a purpose that is entirely well-defined independent of the application. Therefore, Subsection 2d requires that any application-supplied function or table used by this function must be optional: if the application does not supply it, the square root function must still compute square roots.)

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
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Thus, it is not the intent of this section to claim rights or contest your rights to work written entirely by you; rather, the intent is to exercise the right to control the distribution of derivative or collective works based on the Library.

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For an executable, the required form of the "work that uses the Library" must include any data and utility programs needed for reproducing the executable from it. However, as a special exception, the materials to be distributed need not include anything that is normally distributed (in either source or binary form) with the major components (compiler, kernel, and so on) of the operating system on which the executable runs, unless that component itself accompanies the executable.

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1.111 pciutils 3.4.0

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1.112 netbsd-resolv 2.23

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+++ glibc-2.21/include/features.h
@@ -145,7 +145,10 @@
  transitioned to use the new macro. */
#if (defined _BSD_SOURCE || defined _SVID_SOURCE) \
   && !defined _DEFAULT_SOURCE
+/* Don't #warn about _BSD_SOURCE || _SVID_SOURCE, as it breaks -Werror
+   and we don't have time to check/fix everything before vivid release
# warning "_BSD_SOURCE and _SVID_SOURCE are deprecated, use _DEFAULT_SOURCE"
+*/
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define _DEFAULT_SOURCE 1
#endif
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1.113 e2fsprogs 1.44.1

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===
--- tdbsa.orig/tdb.c
+++ tdbsa/tdb.c
@@ -4,11 +4,11 @@ Rev: 23371
Last Changed Date: 2007-06-06 20:14:06 -0400 (Wed, 06 Jun 2007)
*/
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+   trivial database library - standalone version

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Appendix: How to Apply These Terms to Your New Programs

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To do so, attach the following notices to the program. It is safest to attach them to the start of each source file to most effectively convey the exclusion of warranty; and each file should have at least the "copyright" line and a pointer to where the full notice is found.

<one line to give the program's name and a brief idea of what it does.>
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```
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  under certain conditions; type `show c' for details.
```

The hypothetical commands `show w' and `show c' should show the appropriate parts of the General Public License. Of course, the commands you use may be called something other than `show w' and `show c'; they could even be mouse-clicks or menu items--whatever suits your program.

You should also get your employer (if you work as a programmer) or your school, if any, to sign a "copyright disclaimer" for the program, if necessary. Here is a sample; alter the names:

```
 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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before you ship. The release schedules for this package are flexible, if you give me enough lead time.

Theodore Ts'o
23-June-2007

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Version 2, June 1991

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the Program is not required to print an announcement.)

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c) Accompany it with the information you received as to the offer to distribute corresponding source code. (This alternative is allowed only for noncommercial distribution and only if you received the program in object code or executable form with such an offer, in accord with Subsection b above.)

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Also add information on how to contact you by electronic and paper mail.

If the program is interactive, make it output a short notice like this when it starts in an interactive mode:

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

The hypothetical commands `show w' and `show c' should show the appropriate parts of the General Public License. Of course, the commands you use may be called something other than `show w' and `show c'; they could even be mouse-clicks or menu items--whatever suits your program.

You should also get your employer (if you work as a programmer) or your school, if any, to sign a "copyright disclaimer" for the program, if necessary. Here is a sample; alter the names:

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`Gnomovision' (which makes passes at compilers) written by James Hacker.

<signature of Ty Coon>, 1 April 1989
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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.

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medium customarily used for software interchange.

If distribution of object code is made by offering access to copy
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source code from the same place satisfies the requirement to
distribute the source code, even though third parties are not
compelled
to copy the source along with the object code.

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However, linking a "work that uses the Library" with the Library
creates an executable that is a derivative of the Library (because it
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Section 6 states terms for distribution of such executables.

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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.)

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6. As an exception to the Sections above, you may also compile 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
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This is the Debian GNU/Linux prepackaged version of the EXT2 file
system utilities (e2fsck, mke2fs, etc.). The EXT2 utilities were
written by Theodore Ts'o <tytso@mit.edu> and Remy Card <card@masi.ibp.fr>.

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This package was added to the e2fsprogs debian source package by
Theodore Ts'o <tytso@mit.edu> on Sat Mar 15 15:33:37 EST 2003

It is part of the main e2fsprogs distribution, which can be found at:

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Upstream Author: Theodore Ts'o <tytso@mit.edu>

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#
This is a Makefile stub which handles the creation of BSD shared
libraries.
#
In order to use this stub, the following makefile variables must be defined.
#
BSDLIB_VERSION = 1.0
BSDLIB_IMAGE = libce
BSDLIB_MYDIR = et
BSDLIB_INSTALL_DIR = $(SHLIBDIR)
#

all:: image

real-subdirs:: Makefile
 @echo " MKDIR pic"
 @mkdir -p pic

BSD_LIB = $(BSDLIB_IMAGE).so.$(BSDLIB_VERSION)
BSDLIB_PIC_FLAG = -fpic

```
image:  $(BSD_LIB)

$(BSD_LIB): $(OBJS)
 (cd pic; ld -Bshareable -o $(BSD_LIB) $(LDFLAGS_SHLIB) $(OBJS))
 $(MV) pic/$(BSD_LIB) .
 $(RM) -f ../$(BSD_LIB)
 (cd ..; $(LN) $(LINK_BUILD_FLAGS) \
  `echo $(my_dir) | sed -e 's;lib/;;'`/$(BSD_LIB) $(BSD_LIB))

install-shlibs install:: $(BSD_LIB)
 @echo " INSTALL_PROGRAM $(BSDLIB_INSTALL_DIR)/$(BSD_LIB)"
 @$(INSTALL_PROGRAM) $(BSD_LIB) \
  $(DESTDIR)$(BSDLIB_INSTALL_DIR)/$(BSD_LIB)
 @-$(LDCONFIG)

install-strip: install

install-shlibs-strip: install-shlibs

uninstall-shlibs uninstall::
 $(RM) -f $(DESTDIR)$(BSDLIB_INSTALL_DIR)/$(BSD_LIB)

clean::
 $(RM)
 -rf pic
 $(RM) -f $(BSD_LIB)
 $(RM) -f ../$(BSD_LIB)
```

This is the Debian GNU/Linux prepackaged version of the ss
command-line interface parsing library. It is currently
distributed together with the EXT2 file system utilities, which are
otherwise packaged as "e2fsprogs".

This package was put together by Yann Dirson <dirson@debian.org>,
from sources obtained from a mirror of:
tsx-11.mit.edu:/pub/linux/packages/ext2fs/

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1.114 zlib 1.2.3

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1.115 zlib 1.2.13

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1.116 linux-kernel 5.4.220

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/* nicstar.c v0.22 Jawaid Bazyar (bazyar@hypermall.com)
* nicstar.c, M. Welsh (matt.welsh@cl.cam.ac.uk)
*
* Hacked October, 1997 by Jawaid Bazyar, Interlink Advertising Services Inc.
* http://www.hypermall.com/
* 10/1/97 - commented out CFG_PHYIE bit - we don't care when the PHY
* interrupts us (except possibly for removal/insertion of the cable?)
* 10/4/97 - began heavy inline documentation of the code. Corrected typos
* and spelling mistakes.

```
* 10/5/97 - added code to handle PHY interrupts, disable PHY on
* loss of link, and correctly re-enable PHY when link is
* re-established. (put back CFG_PHYIE)
*
*   Modified to work with the IDT7721 nicstar -- AAL5 (tested) only.
*
* R. D. Rechenmacher <ron@fnal.gov>, Aug. 6, 1997
*
* Linux driver for the IDT77201 NICStAR PCI ATM controller.
* PHY component is expected to be 155 Mbps S/UNI-Lite or IDT 77155;
* see init_nicstar() for PHY initialization to change this. This driver
* expects the Linux ATM stack to support scatter-gather
 lists
* (skb->atm.iovcnt != 0) for Rx skb's passed to vcc->push.
*
* Implementing minimal-copy of received data:
*   IDT always receives data into a small buffer, then large buffers
*    as needed. This means that data must always be copied to create
*    the linear buffer needed by most non-ATM protocol stacks (e.g. IP)
*    Fix is simple: make large buffers large enough to hold entire
*    SDU, and leave <small_buffer_data> bytes empty at the start. Then
*    copy small buffer contents to head of large buffer.
*   Trick is to avoid fragmenting Linux, due to need for a lot of large
*    buffers. This is done by 2 things:
*      1) skb->destructor / skb->atm.recycle_buffer
*          combined, allow nicstar_free_rx_skb to be called to
*          recycle large data buffers
*      2) skb_clone of received buffers
*   See nicstar_free_rx_skb and linearize_buffer for implementation
*    details.
*
*
*
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*   Foundation, Inc., 675 Mass Ave, Cambridge, MA 02139, USA.
*
* M. Welsh, 6 July 1996
*
*
*/

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- lib/misc/sha-1.c - 3-clause BSD license retained, link to original
- win32port/zlib - ZLIB license (see zlib.h)
- lib/tls/mbedtls/wrapper - Apache 2.0 (only built if linked against mbedtls)
- lib/misc/base64-decode.c - already MIT

Relicensed to MIT:

- lib/misc/daemonize.c - relicensed from Public Domain to MIT,
  link to original Public Domain version
- lib/plat/windows/windows-resolv.c - relicensed from "Beerware v42" to MIT

Public Domain (CC-zero) to simplify reuse:

- test-apps/*.c
- test-apps/*.h
- minimal-examples/*
- lwsws/*

Although libwebsockets is available
under a permissive license, it does not
change the reality of dealing with large lumps of external code... if your
copy diverges it is guaranteed to contain security problems after a while
and can be very painful to pick backports (especially since historically,
we are very hot on cleaning and refactoring the codebase). The least
painful and lowest risk way remains sending your changes and fixes upstream
to us so you can easily use later releases and fixes.

MIT License applied to libwebsockets:

https://opensource.org/licenses/MIT

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