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Julian Seward, Cambridge, UK.

jseward@bzip.org

bzip2/libbzip2 version 1.0.4 of 20 December 2006

## 1.2 crc32.c N/A

### 1.2.1 Available under license :

- \*
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- \*
  - \* First, the polynomial itself and its table of feedback terms. The
  - \* polynomial is
  - \*  $X^{32}+X^{26}+X^{23}+X^{22}+X^{16}+X^{12}+X^{11}+X^{10}+X^8+X^7+X^5+X^4+X^2+X^1+X^0$
- \*
  - \* Note that we take it "backwards" and put the highest-order term in
  - \* the lowest-order bit. The  $X^{32}$  term is "implied"; the LSB is the
  - \*  $X^{31}$  term, etc. The  $X^0$  term (usually shown as "+1") results in
  - \* the MSB being 1
- \*
  - \* Note that the usual hardware shift register implementation, which
  - \* is what we're using (we're merely optimizing it by doing eight-bit
  - \* chunks at a time) shifts bits into the lowest-order term. In our
  - \* implementation, that means shifting towards the right. Why do we
  - \* do it this way? Because the calculated CRC must be transmitted in
  - \* order from highest-order term to lowest-order term. UARTs transmit
  - \* characters in order from LSB to MSB. By storing the CRC this way
  - \* we hand it to the UART in the order low-byte to high-byte; the UART
  - \* sends each low-bit to high-bit; and the result is transmission bit
  - \* by bit from highest- to lowest-order term without requiring any bit
  - \* shuffling on our part. Reception works similarly
- \*
  - \* The feedback terms table consists of 256, 32-bit entries. Notes
- \*
  - \* The table can be generated at runtime if desired; code to do so
  - \* is shown later. It might not be obvious, but the feedback
  - \* terms simply represent the results of eight shift/xor opera
  - \* tions for all combinations of data and CRC register values

```
*
* The values must be right-shifted by eight bits by the "updcrc
* logic; the shift must be unsigned (bring in zeroes). On some
* hardware you could probably optimize the shift in assembler by
* using byte-swap instructions
* polynomial $edb88320
*/
```

## 1.3 Decompression utility 1.0

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

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

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

\*/

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# File Name   : src.mk
# Version    :
# Author     : Vinod Kumar Mishra
# Type of file : makefile
# Project    :
# Description : Script to define C source files for compiling smp
#
#####

```

## 1.6 libusb 1.0.8

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## 1.8 mem devices 1.0

## 1.9 multicom 4.0.6 :P3

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## 1.10 ST Linux kernel 2.6.32.59 :stm24\_0211

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for his contributions to the dvb-net driver

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for CyberLogin for Linux which allows logging onto EON  
(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 or51211 and or51132 frontend drivers, and  
for merging the nxt2002 and nxt2004 modules into a  
single nxt200x frontend driver.

(If you think you should be in this list, but you are not, drop a  
line to the DVB mailing list)

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ConferenceTV card

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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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\*  
\* M. Welsh, 6 July 1996  
\*  
\*  
\*/

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## 1.11 uClibc 0.9.32

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by localhost (Postfix) with ESMTP id B8C814E4F

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

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

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

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Wed, 1 Mar 2006 20:30:42 +0100 (CET)  
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by mail.bridge.intra (Postfix) with ESMTP id C8C73794D  
for <mps@bridge.intra>; Wed, 1 Mar 2006 20:30:38 +0100 (CET)  
X-Flags: 0000  
Delivered-To: GMX delivery to ps.m@gmx.net  
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Message-Id: <200603011923.OAA86112@raptor.research.att.com>  
Organization: AT&T Research  
X-Mailer: mailx (AT&T/BSD) 9.9 2005-04-21  
Mime-Version: 1.0  
Content-Type: text/plain; charset=us-ascii  
Content-Transfer-Encoding: 7bit  
References: <Pine.LNX.4.44.0603012011250.6386-100000@lnx.bridge.intra>  
To: mps@bridge.intra  
Subject: Re: testregex licensing question  
X-GMX-Antivirus: -1 (not scanned, may not use virus scanner)  
X-GMX-Antispam: 0 (Mail was not recognized as spam)  
X-GMX-UID: lJF3ZO9DeSEkJ2TcbHQhaXN1IGRvb0Ca  
X-Virus-Scanned: by amavisd-new at localhost  
Status: RO  
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X-Keywords:  
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also pass on any new tests you cook up

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

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

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

> Thanks, Peter

> --

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

```
/*
 * checklist.c -- implements the checklist box
 *
 * ORIGINAL AUTHOR: Savio Lam (lam836@cs.cuhk.hk)
 * Stuart Herbert - S.Herbert@sheffield.ac.uk: radiolist extension
 * Alessandro Rubini - rubini@ipvis.unipv.it: merged the two
 * MODIFIED FOR LINUX KERNEL CONFIG BY: William Roadcap (roadcap@cfw.com)
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 */
```

## 1.12 uClibc/GPLv2 0.9.32

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Version 2, June 1991

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```
/*
```

```
* checklist.c -- implements the checklist box
```

```
*
```

```
* ORIGINAL AUTHOR: Savio Lam (lam836@cs.cuhk.hk)
```

\* Stuart Herbert - S.Herbert@sheffield.ac.uk: radiolist extension  
\* Alessandro Rubini - rubini@ipvis.unipv.it: merged the two  
\* MODIFIED FOR LINUX KERNEL CONFIG BY: William Roadcap (roadcap@cfw.com)  
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