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FlashPoint Driver Developer's Kit

Version 1.0

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That's all there is to it!

/\* 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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## 1.5 busybox 1.18.4

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jseward@bzip.org

bzip2/libbzip2 version 1.0.4 of 20 December 2006

## 1.6 cksum.c 1.1.1.1

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```
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/* $NetBSD: in_cksum.c,v 1.11 1996/04/08 19:55:37 jonathan Exp $ */

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*
*      @(#)in_cksum.c  8.1 (Berkeley) 6/10/93
*/

```

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```

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```
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 * cramfsck - check a cramfs file system
 *
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 *
 * 1999/12/03: Linus Torvalds (cramfs tester and unarchive program)
 * 2000/06/03: Daniel Quinlan (CRC and length checking program)
 * 2000/06/04: Daniel Quinlan (merged programs, added options, support
 *                for special files, preserve permissions and
 *                ownership, cramfs superbblock v2, bogus mode
 *                test, pathname length test, etc.)
 * 2000/06/06: Daniel Quinlan (support for holes, pretty-printing,
 *                symlink size test)
 * 2000/07/11: Daniel Quinlan (file length tests, start at offset 0 or 512,
 *                fsck-compatible exit codes)
 * 2000/07/15: Daniel Quinlan (initial support for block devices)
 * 2002/01/10: Daniel Quinlan (additional checks, test more return codes,
 *                use read if mmap fails, standardize messages)
 */
```

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\* mkcramfs - make a cramfs file system

\*

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## 1.9 curl 7.21.0

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/\*\*\*\*\*

- \*
- \* This example source code introduces a c library buffered I/O interface to
- \* URL reads it supports fopen(), fread(), fgets(), feof(), fclose(),
- \* rewind(). Supported functions have identical prototypes to their normal c
- \* lib namesakes and are preceeded by url\_ .
- \*
- \* Using this code you can replace your program's fopen() with url\_fopen()
- \* and fread() with url\_fread() and it become possible to read remote streams
- \* instead of (only) local files. Local files (ie those that can be directly
- \* fopened) will drop back to using the underlying clib implementations
- \*

```

* See the main() function at the bottom that shows an app that retrives from a
* specified url using fgets() and fread() and saves as two output files.
*
* Copyright (c) 2003 Simtec Electronics
*
* Re-implemented by Vincent Sanders <vince@kyllicki.org> with extensive
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# without express or implied warranty.
#
# Calling this script install-sh is preferred over install.sh, to prevent
# `make' implicit rules from creating a file called install from it
# when there is no Makefile.
#

```

# This script is compatible with the BSD install script, but was written  
# from scratch. It can only install one file at a time, a restriction  
# shared with many OS's install programs.

# 1.10 dnsmasq 2.47

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```
<program> Copyright (C) <year> <name of author>
This program 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, your program's commands might be different; for a GUI interface, you would use an "about box".

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From: Simon Kelley <[simon@thekelleys.org.uk](mailto:simon@thekelleys.org.uk)>  
Sent: 18 September 2013 14:08  
To: Damian Le Gresley (damlegre)  
Subject: Re: dnsmasq licencing

Damian,

All the code in dnsmasq carries the following statement, so you elect to use the entire application under the terms of GPLv2.

This program is free software; you can redistribute it and/or modify it under the terms of the GNU General Public License as published by the Free Software Foundation; version 2 dated June, 1991, or (at your option) version 3 dated 29 June, 2007.

BTW, what's a "small cell product"?

Cheers,

Simon.

On 18/09/13 14:03, Damian Le Gresley (damlegre) wrote:

> Dear Simon,  
>  
> We would like to use your dnsmasq application in one of our Small Cell  
> products but it is not clear to us whether the GPLv2 or GPLv3 licencing  
> terms stated in the two COPYING files are disjunctive or conjunctive.  
> i.e. Can we choose whether to use it under GPLv2 licencing only, or are  
> parts of it also licenced under GPLv3 and hence we must respect the most  
> restrictive licence.

>  
> I found your post from back in 2007 where you were asking for opinions  
> on what should be done:  
> <http://lists.thekelleys.org.uk/pipermail/dnsmasq-discuss/2007q3/001566.html>  
>  
> I cannot find the conclusion of this discussion but I think you chose  
> option 3 (disjunctive licence) as your CHANGELOG has the comment &#147;Added  
> GPL version 3 as a licence option&#148;; hence we can choose to only apply  
> the GPLv2 licence.  
>  
> I welcome your clarification.  
>  
> Best regards,  
>  
> Damian  
>  
> <http://www.cisco.com/web/europe/images/email/signature/logo02.jpg>  
>  
> \*Damian Le Gresley\*  
> Senior Software Engineering Manager  
> Small Cells Technology Group

## 1.11 ethtool 6.0

### 1.11.1 Available under license :

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Version 2, June 1991

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```
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```
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```

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

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## 1.12 gmp 4.2.1

### 1.12.1 Available under license :

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If such an object file uses only numerical parameters, data structure layouts and accessors, and small macros and small inline functions (ten lines or less in length), then the use of the object file is unrestricted, regardless of whether it is legally a derivative work. (Executables containing this object code plus portions of the Library will still fall under Section 6.)

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## 1.13 gnutls - library only 2.8.5

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## 1.14 iniparser 2.17

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## 1.19 libgpg-error 1.7

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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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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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## 1.20 libgpg-error\_library 1.7

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Replied: Fri, 16 Feb 2001 14:12:54 -0500  
Replied: "Darren Reed <darrenr@reed.wattle.id.au> "  
Received: from [139.134.6.79] by whimsy.udel.edu id aa15476;  
16 Feb 2001 04:21 EST  
Received: from CPE-61-9-164-106.vic.bigpond.net.au  
([139.134.4.52]) by mailin6.bigpond.com (Netscape Messaging  
Server 4.15) with SMTP id G8UFIB00.4QI for  
<stenn@whimsy.udel.edu>; Fri, 16 Feb 2001 19:25:23 +1000  
Received: from CPE-61-9-164-110.vic.bigpond.net.au ([61.9.164.110]) by mail5.bigpond.com (Claudes-Retiring-MailRouter V2.9c 9/11963672); 16 Feb 2001 19:20:45  
Received: (from root@localhost)  
by CPE-61-9-164-106.vic.bigpond.net.au (8.11.0/8.11.0) id f1G92GC29158  
for <stenn@whimsy.udel.edu>; Fri, 16 Feb 2001 20:02:16 +1100  
From: Darren Reed <darrenr@reed.wattle.id.au>  
Message-Id: <200102160901.UAA23657@avalon.reed.wattle.id.au>  
Subject: Re: arlib?  
In-Reply-To: <901.982219274@whimsy.udel.edu> from Harlan Stenn at "Feb 15, 1 01:41:14 am"  
To: Harlan Stenn <stenn@whimsy.udel.edu>

Date: Fri, 16 Feb 2001 20:01:46 +1100  
X-Mailer: ELM [version 2.4ME+ PL37 (25)]  
MIME-Version: 1.0  
Content-Type: text/plain; charset=US-ASCII  
Content-Transfer-Encoding: 7bit

In some email I received from Harlan Stenn, sie wrote:

> Darren,  
>  
> I'm looking for an async resolver library that I can use with NTP.  
>  
> I noticed your code in the contrib/ subdir of later bind8 distribution  
> and I noticed the Copyright notice in arlib.c:  
>  
> \* arlib.c (C)copyright 1993 Darren Reed. All rights reserved.  
> \* This file may not be distributed without the author's permission in any  
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>  
> so I thought I'd ask your permission to distribute your files if I can  
> figure out how to make it all work with ntpd.

<http://coombs.anu.edu.au/~avalon/arlib.tar.gz>

a few bug fixes (inc. buffer overflow :) and stuff in there.

But otherwise, go for it.

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```
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```

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```
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```

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

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  25. [28]William L. Jones <jones@hermes.chpc.utexas.edu> RS/6000 AIX modifications, HPUX modifications
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  28. [31]George Lindholm <lindholm@ucs.ubc.ca> SunOS 5.1 port
  29. [32]Louis A. Mamakos <louie@ni.umd.edu> MD5-based authentication
  30. [33]Lars H. Mathiesen <thorinn@diku.dk> adaptation of foundation code for Version 3 as specified in RFC-1305
  31. [34]Danny Mayer <mayer@ntp.org>Network I/O, Windows Port, Code Maintenance
  32. [35]David L. Mills <mills@udel.edu> Version 4 foundation: clock discipline, authentication, precision kernel; clock drivers: Spectracom, Austron, Arbiter, Heath, ATOM, ACTS, KSI/Odetics; audio clock drivers: CHU, WWV/H, IRIG
  33. [36]Wolfgang Moeller <moeller@gwdgv1.dnet.gwdg.de> VMS port
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  41. [45]Nick Sayer <mrapple@quack.kfu.com> SunOS streams modules
  42. [46]Jack Sasportas <jack@innovativeinternet.com> Saved a Lot of space on the stuff in the html/pic/ subdirectory

43. [47]Ray Schnitzler <schnitz@unipress.com> Unixware1 port
  44. [48]Michael Shields <shields@tembel.org> USNO clock driver
  45. [49]Jeff Steinman <jss@pebbles.jpl.nasa.gov> Datum PTS clock driver
  46. [50]Harlan Stenn <harlan@pfcs.com> GNU automake/autoconfigure makeover, various other bits (see the ChangeLog)
  47. [51]Kenneth Stone <ken@sdd.hp.com> HP-UX port
  48. [52]Ajit Thyagarajan <ajit@ee.udel.edu>IP multicast/anycast support
  49. [53]Tomoaki TSURUOKA <tsuruoka@nc.fukuoka-u.ac.jp>TRAK clock driver
  50. [54]Paul A Vixie <vixie@vix.com> TrueTime GPS driver, generic TrueTime clock driver
  51. [55]Ulrich Windl <Ulrich.Windl@rz.uni-regensburg.de> corrected and validated HTML documents according to the HTML DTD
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## 1.27 popt 1.10.4

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```
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 *  
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 */
```

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---

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