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1.1 AES_MODES_SOURCE_CODE 23-07-09

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Issue Date: 17/07/2009

My thanks to Colin Sinclair for finding an error and suggesting a number of improvements to this code. My thanks also to John Viega and David McGrew for their support in developing this code and to David for testing it on a big-endian system.

*/

1.2 Arp 1.3.2

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*

* source in this file came from

* the Mach ethernet boot written by Leendert van Doorn.

*

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*

* Description: ROMMON ARP processing module. Inherited from PIX Monitor-Mode

* Code base.

*

* This code was originally taken from the NetBSD 1.3.2 distribution.

* It has been rather extensively modified, including removing RARP

* and fixing a lot of bugs.

*

*-----

* \$Id: //depot/acmilan/main/Xpix/boot/rommon/nb_arp.c#2 \$

* \$Source: \$

*/

1.3 base64.c 1.3

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```

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 * __FBSDID("$FreeBSD: /repoman/r/ncvs/src/sys/dev/bce/if_bce.c,
 * v 1.18 2006/10/31 03:28:25 scottl Exp $");
 */

```

1.6 busybox 1.16.1

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*modifications, HPUX modifications)
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/*$NetBSD: errno.h,v 1.14 1997/01/23 07:01:50 mikel Exp $*/
```

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1.14 fnmatch.c 1.11

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*/

1.15 fnmatch.h 1.7

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```
*  
*@(#)fnmatch.h8.1 (Berkeley) 6/2/93  
*/
```

1.16 gcc 4.0.2

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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 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.

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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.

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 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 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 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.

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

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1.21 libusb 0.1.12 ASA

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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

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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.

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.

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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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- 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

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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 interface-compatible with the version that the work was made with.

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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
 *
 * 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-
 *
 * 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
* 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-
*     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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1.26 lzma 4.43

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1.28 module-init-tools 3.10 ASA

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1.32 NRL IPsec key.h 1.1a

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1.33 NTP 3

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1.34 numactl 2.0.3 ASA

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src/sys/dev/e1000/

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1.36 openssl 0.9.8l ASA

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1.39 Packet allocation and deallocation routines 1.3.2

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1.40 pci.ids 2009.10.22 ASA

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1.41 pciutils 3.1.4 ASA

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1.45 qsort.c 1.1.1.1

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1.46 queue.h 1.32.2.7

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```
*  
*@(##)queue.h8.5 (Berkeley) 8/20/94  
* $FreeBSD: src/sys/sys/queue.h,v 1.32.2.7 2002/04/17 14:21:02 des Exp $  
*/
```

1.47 queue.h 1.18

1.47.1 Available under license :

```
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1.48 rand.c 1.6

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1.49 readline 5.2 ASA

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 */

```

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1.52 SHA-2 1.0

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 * Last update: 02/02/2007
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1.58 strcat_end strcat_end.c8.1 (Berkeley) 6/4/93

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1.59 strcspn.c 1.5

1.59.1 Available under license :

```
/*$NetBSD: strcspn.c,v 1.5 1997/07/13 20:24:24 christos Exp $*/
```

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1.60 strlcat.c 1.2

1.60.1 Available under license :

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/*$OpenBSD: strlcat.c,v 1.2 1999/06/17 16:28:58 millert Exp $*/

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1.61 strcpy.c 1.4

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1.62 strnstr UNKNOWN

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1.63 strpbrk.c 1.7

1.63.1 Available under license :

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/*$NetBSD: strpbrk.c,v 1.7 1998/02/03 18:49:22 perry Exp $*/
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1.64 strsep.c 1.11

1.64.1 Available under license :

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1.65 strspn.c 1.5

1.65.1 Available under license :

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1.66 strstr.c 1.1.1.1

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1.67 strtod.c 1.50

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1.68 strtok.c 1.5

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1.69 strtol.c 1.10

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1.70 strtq.c 1.10

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1.71 strtoul.c 1.10

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1.72 strtouq.c 1.9

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1.73 struct.h 1.1.1.2

1.73.1 Available under license :

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*@(##)struct.h8.1 (Berkeley) 6/2/93  
*/
```

1.74 types.h 1.1

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bzip2/libbzip2 version 1.0.4 of 20 December 2006

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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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