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Text Part Number: 78EE117C99-2526336835

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From gsf@research.att.com Wed Mar 1 20:30:54 2006

Return-Path: <gsf@research.att.com>

X-Original-To: mps@bridge.intra

Delivered-To: mps@bridge.intra

Received: from localhost (localhost [127.0.0.1])

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)

with LMTP id 05987-03 for <mps@bridge.intra>;

Wed, 1 Mar 2006 20:30:42 +0100 (CET)

Received: from pop.gmx.net (localhost [127.0.0.1])

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

Received: (qmail invoked by alias); 01 Mar 2006 19:23:46 -0000

Received: from mail-red.research.att.com (EHLO mail-white.research.att.com) [192.20.225.110]

by mx0.gmx.net (mx085) with SMTP; 01 Mar 2006 20:23:46 +0100

Received: from raptor.research.att.com (raptor.research.att.com

[135.207.23.32])

by mail-blue.research.att.com (Postfix) with ESMTP id B7929147CBB

for <ps.m@gmx.net>; Wed, 1 Mar 2006 14:23:45 -0500 (EST)

Received: (from gsf@localhost)

by raptor.research.att.com (SGI-8.9.3p2/8.8.7) id OAA86112

for ps.m@gmx.net; Wed, 1 Mar 2006 14:23:45 -0500 (EST)

Date: Wed, 1 Mar 2006 14:23:45 -0500 (EST)

From: Glenn Fowler <gsf@research.att.com>

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  
X-Status:  
X-Keywords:  
  
X-UID: 44736

you may include it directly  
retain the testregex.c header comment  
it uses a very free license to maximize distribution  
you can copy that .c comment to any test data files you use  
using # comment style to be complete

let me know how it works with your libc  
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  
Licensed under the LGPL v2.1, see the file COPYING.LIB in this tarball.

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## 1.13 gpt-fdisk 0.8.8

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## 1.16 linux-kernel 4.9.189

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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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concluded that weaker conditions might promote sharing better.

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=====

loginrec.c

loginrec.h

atomicio.h

atomicio.c

and strlcat() (included in util.c) are from OpenSSH 3.6.1p2, and are licensed under the 2 point BSD license.

loginrec is written primarily by Andre Lucas, atomicio.c by Theo de Raadt.

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Import code in keyimport.c is modified from PuTTY's import.c, licensed as follows:

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```
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- \*
- \* curve25519-donna: Curve25519 elliptic curve, public key function
- \*
- \* <http://code.google.com/p/curve25519-donna/>
- \*
- \* Adam Langley <agl@imperialviolet.org>
- \*
- \* Derived from public domain C code by Daniel J. Bernstein <djb@cr.yp.to>
- \*
- \* More information about curve25519 can be found here
- \* <http://cr.yp.to/ecdh.html>
- \*
- \* djb's sample implementation of curve25519 is written in a special assembly
- \* language called qhasm and uses the floating point registers.
- \*
- \* This is, almost, a clean room reimplementaion from the curve25519 paper. It
- \* uses many of the tricks described therein. Only the crecip function is taken
- \* from the sample implementation.
- \*/

## 1.22 errors v0.9.1

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## 1.24 glibc 1.1.6

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## 1.28 tdb 1.42.13

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## 1.29 uniseg 0.2.0

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## 1.32 fgprof 0.9.3

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## 1.33 edk2 edk2-stable202202

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#### Key Dates

-----

\* August 3, 2017

Update the TianoCore Contribution Agreement from Version 1.0 to Version 1.1 to cover open source documentation associated

with the TianoCore project.

Version 1.0 covers source code files. Version 1.1 is a backwards compatible extension that adds support for document files in both source form and compiled form.

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#### Proposals (RFCs):

<https://lists.01.org/pipermail/edk2-devel/2017-March/008654.html>

#### TianoCore Bugzilla:

[https://bugzilla.tianocore.org/show\\_bug.cgi?id=629](https://bugzilla.tianocore.org/show_bug.cgi?id=629)

\* April 9, 2019

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<https://lists.01.org/pipermail/edk2-devel/2019-February/036260.html>

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2. Your commit message must include your "Signed-off-by" signature, and "Contributed-under" message.
3. Your "Contributed-under" message explicitly states that the contribution is made under the terms of the specified contribution agreement. Your "Contributed-under" message must include the name of contribution agreement and version.  
For example: Contributed-under: TianoCore Contribution Agreement 1.1  
The "TianoCore Contribution Agreement" is included below in this document.
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```
=====
= Change Description / Commit Message / Patch Email =
=====
```

Your change description should use the standard format for a commit message, and must include your "Signed-off-by" signature and the "Contributed-under" message.

```
== Sample Change Description / Commit Message =
```

```
=== Start of sample patch email message ===
```

```
From: Contributor Name <contributor@example.com>
Subject: [Repository/Branch PATCH] Module: Brief-single-line-summary
```

```
Full-commit-message
```

```
Contributed-under: TianoCore Contribution Agreement 1.1
Signed-off-by: Contributor Name <contributor@example.com>
---
```

An extra message for the patch email which will not be considered part of the commit message can be added here.

```
Patch content inline or attached
```

```
=== End of sample patch email message ===
```

```
=== Notes for sample patch email ===
```

- \* The first line of commit message is taken from the email's subject line following [Repository/Branch PATCH]. The remaining portion of the commit message is the email's content until the '---' line.

\* git format-patch is one way to create this format

==== Definitions

for sample patch email ====

\* "Repository" is the identifier of the repository the patch applies.

This identifier should only be provided for repositories other than 'edk2'. For example 'edk2-BuildSpecification' or 'staging'.

\* "Branch" is the identifier of the branch the patch applies. This identifier should only be provided for branches other than 'edk2/master'. For example 'edk2/UDK2015', 'edk2-BuildSpecification/release/1.27', or 'staging/edk2-test'.

\* "Module" is a short identifier for the affected code or documentation. For example 'MdePkg', 'MdeModulePkg/UsbBusDxe', 'Introduction', or 'EDK II INF File Format'.

\* "Brief-single-line-summary" is a short summary of the change.

\* The entire first line should be less than ~70 characters.

\* "Full-commit-message" a verbose multiple line comment describing the change. Each line should be less than ~70 characters.

\* "Contributed-under" explicitly states that the contribution is

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2. Your commit message must include your "Signed-off-by" signature,  
and "Contributed-under"  
message.
3. Your "Contributed-under" message explicitly states that the  
contribution is made under the terms of the specified  
contribution agreement. Your "Contributed-under" message  
must include the name of contribution agreement and version.  
For example: Contributed-under: TianoCore Contribution Agreement 1.0  
The "TianoCore Contribution Agreement" is included below in



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4. Submit your code to the TianoCore project using the process that the project documents on its web page. If the process is not documented, then submit the code on development email list for the project.
5. It is preferred that contributions are submitted using the same copyright license as the base project. When that is not possible, then contributions using the following licenses can be accepted:
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=====  
= Change Description / Commit Message / Patch Email =  
=====

Your change description should use the standard format for a commit message, and must include your "Signed-off-by" signature and the "Contributed-under" message.

== Sample Change Description / Commit Message =

=== Start of sample patch email message ===

From: Contributor Name <contributor@example.com>  
Subject: [PATCH] CodeModule: Brief-single-line-summary

Full-commit-message

Contributed-under:  
TianoCore Contribution Agreement 1.0  
Signed-off-by: Contributor Name <contributor@example.com>  
---

An extra message for the patch email which will not be considered part of the commit message can be added here.

Patch content inline or attached

=== End of sample patch email message ===

=== Notes for sample patch email ===

- \* The first line of commit message is taken from the email's subject line following [PATCH]. The remaining portion of the commit message is the email's content until the '---' line.
- \* git format-patch is one way to create this format

=== Definitions for sample patch email ===

- \* "CodeModule" is a short identifier for the affected code. For example MdePkg, or MdeModulePkg UsbBusDxe.
- \* "Brief-single-line-summary" is a short summary of the change.
- \* The entire first line should be less than ~70 characters.
- \* "Full-commit-message" a verbose multiple line comment describing the change.

Each line should be less than ~70 characters.

- \* "Contributed-under" explicitly states that the contribution is made under the terms of the contribution agreement. This agreement is included below in this document.
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# 1.34 grub2 2.02

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# 1.35 grub2 2.16

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## 1.37 gofrs-uuid 4.4.0+incompatible

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## 1.38 efivar 38

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## 1.40 flock 0.8.1

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\* /project-nisei-cobra-v1-7-0-0-g008e1ef-1-tar-gz/Project-NISEI-cobra-008e1ef/app/assets/javascripts/awesomeplete.js



# 1.46 lvm2 1.02.84

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Version 2.1, February 1999

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## 1.47 e2fsprogs 1.42.13

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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

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Index: tdbsa/tdb.c

-----  
--- 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)

\*/

/\*

- Unix SMB/CIFS implementation.
- + trivial database library - standalone version

- trivial database library - private includes

-

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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

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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) \$(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)
```

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Theodore Ts'o  
23-June-2007

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## 1.52 busybox 1.25.1

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## 1.53 twmb-franz-go-plugin-kzap 1.1.2

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## 1.55 logrus v1.9.3

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## 1.56 golang-protobuf-extensions 1.0.4

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## 1.57 lib-pq v1.10.9

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```
//go:build go1.10
// +build go1.10

package pq

import (
    "context"
    "database/sql/driver"
)

// NoticeHandler returns the notice handler on the given connection, if any. A
// runtime panic occurs if c is not a pq connection. This is rarely used
// directly, use ConnectorNoticeHandler and ConnectorWithNoticeHandler instead.
func NoticeHandler(c driver.Conn) func(*Error) {
    return c.(*conn).noticeHandler
}

// SetNoticeHandler sets the given notice handler on the given connection. A
// runtime panic occurs if c is not a pq connection. A nil handler may be used
// to unset it. This is rarely used directly, use ConnectorNoticeHandler and
// ConnectorWithNoticeHandler instead.
//
// Note: Notice handlers are executed synchronously by pq meaning commands
// won't continue to be processed until the handler returns.
func SetNoticeHandler(c driver.Conn, handler func(*Error)) {
    c.(*conn).noticeHandler = handler
}

// NoticeHandlerConnector wraps a regular connector and sets a notice handler
//
// on it.
type NoticeHandlerConnector struct {
    driver.Connector
    noticeHandler func(*Error)
}
```

```

// Connect calls the underlying connector's connect method and then sets the
// notice handler.
func (n *NoticeHandlerConnector) Connect(ctx context.Context) (driver.Conn, error) {
    c, err := n.Connector.Connect(ctx)
    if err == nil {
        SetNoticeHandler(c, n.noticeHandler)
    }
    return c, err
}

// ConnectorNoticeHandler returns the currently set notice handler, if any. If
// the given connector is not a result of ConnectorWithNoticeHandler, nil is
// returned.
func ConnectorNoticeHandler(c driver.Connector) func(*Error) {
    if c, ok := c.(*NoticeHandlerConnector); ok {
        return c.noticeHandler
    }
    return nil
}

// ConnectorWithNoticeHandler creates or sets the given handler for the given
// connector. If the given connector is a result of calling this function
// previously, it is simply set on the given connector and returned. Otherwise,
// this returns a new connector wrapping the given one and
// setting the notice
// handler. A nil notice handler may be used to unset it.
//
// The returned connector is intended to be used with database/sql.OpenDB.
//
// Note: Notice handlers are executed synchronously by pq meaning commands
// won't continue to be processed until the handler returns.
func ConnectorWithNoticeHandler(c driver.Connector, handler func(*Error)) *NoticeHandlerConnector {
    if c, ok := c.(*NoticeHandlerConnector); ok {
        c.noticeHandler = handler
        return c
    }
    return &NoticeHandlerConnector{Connector: c, noticeHandler: handler}
}

```

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## 1.64 procfs 0.15.1

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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.>  
Copyright (C) 19yy <name of author>

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; either version 2 of the License,  
or  
(at your option) any later version.

This program is distributed in the hope that it will be useful,  
but WITHOUT ANY WARRANTY; without even the implied warranty of MERCHANTABILITY or FITNESS FOR A PARTICULAR PURPOSE. See the GNU General Public License for more details.

You should have received a copy of the GNU General Public License along with this program; if not, write to the Free Software Foundation, Inc., 51 Franklin Street, Fifth Floor, Boston, MA 02110-1301 USA

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:

Gnomovision version 69, Copyright (C) 19yy name of author  
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:

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

This General Public License does not permit incorporating your program into proprietary programs. If your program is a subroutine library, you may consider it more useful to permit linking proprietary applications with the library. If this is what you want to do, use the GNU Library General Public License instead of this License.

```
@ignore
@c Set file name and title for man page.
@setfilename gpl
@settitle GNU General Public License
@c man begin SEEALSO
gfdl(7), fsf-funding(7).
@c man end
@c man begin COPYRIGHT
Copyright @copyright{ } 2007 Free Software Foundation, Inc.
```

Everyone is permitted to copy and distribute verbatim copies of this license document, but changing it is not allowed.

```
@c man end
@end ignore
@node Copying
@c man begin DESCRIPTION
@unnumbered GNU General Public License
@center Version 3, 29 June 2007
```

```
@c This file is intended to be included in another file.
```

```
@display
Copyright @copyright{ } 2007 Free Software Foundation, Inc. @url{http://fsf.org/}
```

Everyone is permitted to copy and distribute verbatim copies of this license document, but changing it is not allowed.

@end display

@heading Preamble

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To protect your rights, we need to prevent others from denying you these rights or asking you to surrender the rights. Therefore, you have certain responsibilities if you distribute copies of the software, or if you modify it: responsibilities to respect the freedom of others.

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Developers that use the GNU GPL protect your rights with two steps: (1) assert copyright on the software, and (2) offer you this License giving you legal permission to copy, distribute and/or modify it.

For the developers' and authors' protection, the GPL clearly explains that there is no warranty for this free software. For both users' and authors' sake, the GPL requires that modified versions be marked as changed, so that their problems will not be attributed erroneously to authors of previous versions.

Some devices are designed to deny users access to install or run



modified versions of the software  
inside them, although the  
manufacturer can do so. This is fundamentally incompatible with the  
aim of protecting users' freedom to change the software. The  
systematic pattern of such abuse occurs in the area of products for  
individuals to use, which is precisely where it is most unacceptable.  
Therefore, we have designed this version of the GPL to prohibit the  
practice for those products. If such problems arise substantially in  
other domains, we stand ready to extend this provision to those  
domains in future versions of the GPL, as needed to protect the  
freedom of users.

Finally, every program is threatened constantly by software patents.  
States should not allow patents to restrict development and use of  
software on general-purpose computers, but in those that do, we wish  
to avoid the special danger that patents applied to a free program  
could make it effectively proprietary. To prevent this, the GPL  
assures that patents cannot be used to render the program non-free.

The precise  
terms and conditions for copying, distribution and  
modification follow.

@heading TERMS AND CONDITIONS

@enumerate 0

@item Definitions.

``This License" refers to version 3 of the GNU General Public License.

``Copyright" also means copyright-like laws that apply to other kinds  
of works, such as semiconductor masks.

``The Program" refers to any copyrightable work licensed under this  
License. Each licensee is addressed as ``you". ``Licensees" and  
``recipients" may be individuals or organizations.

To ``modify" a work means to copy from or adapt all or part of the work  
in a fashion requiring copyright permission, other than the making of  
an exact copy. The resulting work is called a ``modified version" of  
the earlier work or a work ``based on" the earlier work.

A ``covered work" means either the unmodified Program or a work based  
on the Program.

To ``propagate" a work means to do anything with it that, without  
permission, would make you directly or secondarily liable

for  
infringement under applicable copyright law, except executing it on a computer or modifying a private copy. Propagation includes copying, distribution (with or without modification), making available to the public, and in some countries other activities as well.

To “convey” a work means any kind of propagation that enables other parties to make or receive copies. Mere interaction with a user through a computer network, with no transfer of a copy, is not conveying.

An interactive user interface displays “Appropriate Legal Notices” to the extent that it includes a convenient and prominently visible feature that (1) displays an appropriate copyright notice, and (2) tells the user that there is no warranty for the work (except to the extent that warranties are provided), that licensees may convey the work under this License, and how to view a copy of this License. If the interface presents a list of user commands or options, such as a menu, a prominent item in the list meets this criterion.

@item Source Code.

The “source code” for a work means the preferred form of the work for making modifications to it. “Object code” means any non-source form of a work.

A “Standard Interface” means an interface that either is an official standard defined by a recognized standards body, or, in the case of interfaces specified for a particular programming language, one that is widely used among developers working in that language.

The “System Libraries” of an executable work include anything, other than the work as a whole, that (a) is included in the normal form of packaging a Major Component, but which is not part of that Major Component, and (b) serves only to enable use of the work with that Major Component, or to implement a Standard Interface for which an implementation is available to the public in source code form. A “Major Component”, in this context, means a major essential component (kernel, window system, and so on) of the specific operating system (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.

The “Corresponding Source” for a work in object code form means all the source code needed to generate, install, and (for an executable 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 programs which are used unmodified in performing those activities but which are not part of the work. For example, Corresponding Source includes interface definition files associated with source files for the work, and the source code for shared libraries and dynamically linked subprograms that the work is specifically designed to require, such as by intimate data communication or control flow between those subprograms and other parts of the work.

The Corresponding Source need not include anything that users can regenerate automatically from other parts of the Corresponding Source.

The Corresponding Source for a work in source code form is that same work.

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All rights granted under this License are granted for the term of copyright on the Program, and are irrevocable provided the stated conditions are met. This License explicitly affirms your unlimited permission to run the unmodified Program. The output from running a covered work is covered by this License only if the output, given its content, constitutes a covered work. This License acknowledges your rights of fair use or other equivalent, as provided by copyright law.

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Conveying under any other circumstances is permitted solely under the conditions stated below. Sublicensing is not allowed; section 10 makes it unnecessary.

@item Protecting Users' Legal Rights From Anti-Circumvention Law.

No covered work shall be deemed part of an effective technological measure under any applicable law fulfilling obligations under article 11 of the WIPO copyright treaty adopted on 20 December 1996, or similar laws prohibiting or restricting circumvention of such

measures.

When you convey a covered work, you waive any legal power to forbid circumvention of technological measures to the extent such circumvention is effected by exercising rights under this License with respect to the covered work, and you disclaim any intention to limit operation or modification of the work as a means of enforcing, against the work's users, your or third parties' legal rights to forbid circumvention of technological measures.

@item Conveying Verbatim Copies.

You may convey verbatim copies of the Program's source code as you receive it, in any medium, provided that you conspicuously and appropriately publish on each copy an appropriate copyright notice; keep intact all notices stating that this License and any non-permissive terms added in accord with section 7 apply to the code; keep intact all notices of the absence of any warranty; and give all recipients a copy of this License along with the Program.

You may charge any price or no price for each copy that you convey, and you may offer support or warranty protection for a fee.

@item Conveying Modified Source Versions.

You may convey a work based on the Program, or the modifications to produce it from the Program, in the form of source code under the terms of section 4, provided that you also meet all of these conditions:

@enumerate a

@item

The work must carry prominent notices stating that you modified it, and giving a relevant date.

@item

The work must carry prominent notices stating that it is released under this License and any conditions added under section 7. This requirement modifies the requirement in section 4 to ``keep intact all notices".

@item

You must license the entire work, as a whole, under this License to anyone who comes into possession of a copy. This License will therefore apply, along with any applicable section 7 additional terms, to the whole of the work, and all its parts, regardless of how they

are packaged. This License gives no permission to license the work in any other way, but it does not invalidate such permission if you have separately received it.

@item

If the work has interactive user interfaces, each must display

Appropriate

Legal Notices; however, if the Program has interactive interfaces that do not display Appropriate Legal Notices, your work need not make them do so.

@end enumerate

A compilation of a covered work with other separate and independent works, which are not by their nature extensions of the covered work, and which are not combined with it such as to form a larger program, in or on a volume of a storage or distribution medium, is called an ``aggregate" if the compilation and its resulting copyright are not used to limit the access or legal rights of the compilation's users beyond what the individual works permit. Inclusion of a covered work in an aggregate does not cause this License to apply to the other parts of the aggregate.

@item Conveying Non-Source Forms.

You may convey a covered work in object code form under the terms of sections 4 and 5, provided that you also convey the machine-readable Corresponding Source under the terms of this License, in one of these ways:

@enumerate

a

@item

Convey the object code in, or embodied in, a physical product (including a physical distribution medium), accompanied by the Corresponding Source fixed on a durable physical medium customarily used for software interchange.

@item

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 model, to give anyone who possesses the object code either (1) a copy of the Corresponding Source for all the software in the product that is covered by this License, on a durable physical medium customarily used for software interchange, for a price no more than your reasonable cost of physically performing this conveying of source, or (2) access to copy the Corresponding Source from a network server at no charge.

@item

Convey individual copies of the object code with a copy of the written offer

to provide the Corresponding Source. This alternative is allowed only occasionally and noncommercially, and only if you received the object code with such an offer, in accord with subsection 6b.

@item

Convey the object code by offering access from a designated place (gratis or for a charge), and offer equivalent access to the Corresponding Source in the same way through the same place at no further charge. You need not require recipients to copy the Corresponding Source along with the object code. If the place to copy the object code is a network server, the Corresponding Source may be on a different server (operated by you or a third party) that supports equivalent copying facilities, provided you maintain clear directions next to the object code saying where to find the Corresponding Source. Regardless of what server hosts the Corresponding Source, you remain obligated to ensure that it is available for as long as needed to satisfy these requirements.

@item

Convey the object code using peer-to-peer transmission, provided you inform other peers where the object code and Corresponding Source of the work are being offered to the general public at no charge under subsection 6d.

@end enumerate

A separable portion of the object code, whose source code is excluded from the Corresponding Source as a System Library, need not be included in conveying the object code work.

A ``User Product'' is either (1) a ``consumer product'', which means any tangible personal property which is normally used for personal, family, or household purposes, or (2) anything designed or sold for incorporation into a dwelling. In determining whether a product is a consumer product, doubtful cases shall be resolved in favor of coverage. For a particular product received by a particular user, ``normally used'' refers to a typical or common use of that class of product, regardless of the status of the particular user or of the way in which the particular user actually uses, or expects or is expected to use, the product. A product is a consumer product regardless of whether the product has substantial commercial, industrial or

non-consumer uses, unless such uses represent the only significant mode of use of the product.

“Installation Information” for a User Product means any methods, procedures, authorization keys, or other information required to install and execute modified versions of a covered work in that User Product from a modified version of its Corresponding Source. The information must suffice to ensure that the continued functioning of the modified object code is in no case prevented or interfered with solely because modification has been made.

If you convey an object code work under this section in, or with, or specifically for use in, a User Product, and the conveying occurs as part of a transaction in which the right of possession and use of the User Product is transferred to the recipient in perpetuity or for a fixed term (regardless of how the transaction is characterized), the Corresponding Source conveyed under this section must be accompanied by the Installation Information. But this requirement does not apply if neither you nor any third party retains the ability to install modified object code on the User Product (for example, the work has been installed in ROM).

The requirement to provide Installation Information does not include a requirement to continue to provide support service, warranty, or updates for a work that has been modified or installed by the recipient, or for the User Product in which it has been modified or installed. Access to a network may be denied when the modification itself materially and adversely affects the operation of the network or violates the rules and protocols for communication across the network.

Corresponding Source conveyed, and Installation Information provided, in accord with this section must be in a format that is publicly documented (and with an implementation available to the public in source code form), and must require no special password or key for unpacking, reading or copying.

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@enumerate a

@item

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or

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@item Revised Versions of this License.

The Free Software Foundation may publish revised and/or new versions of the GNU General Public License from time to time. Such new versions will be similar in spirit to the present version, but may differ in detail to address new problems or concerns.

Each version is given a distinguishing version number. If the Program

specifies that a certain numbered version of the GNU General Public License ``or any later version" applies to it, you have the option of following the terms and conditions either of that numbered version or of any later version published by the Free Software Foundation. If the Program does not specify a version number of the GNU General Public License, you may choose any version ever published by the Free Software Foundation.

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@item Interpretation of Sections 15 and 16.

If the disclaimer of warranty and limitation of liability provided above cannot be given local legal effect according to their terms,

reviewing courts shall apply local law that most closely approximates an absolute waiver of all civil liability in connection with the Program, unless a warranty or assumption of liability accompanies a copy of the Program in return for a fee.

@end enumerate

@heading END OF TERMS AND CONDITIONS

@heading How to Apply These Terms to Your New Programs

If you develop a new program, and you want it to be of the greatest possible use to the public, the best way to achieve this is to make it free software which everyone can redistribute and change under these terms.

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 state the exclusion of warranty; and each file should have at least the ``copyright" line and a pointer to where the full notice is found.

@smallexample

@var{one line to give the program's name and a brief idea of what it does.}

Copyright (C) @var{year} @var{name of author}

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, either version 3 of the License, or (at your option) any later version.

This program is distributed in the hope that it will be useful, but WITHOUT ANY WARRANTY; without even the implied warranty of MERCHANTABILITY or FITNESS FOR A PARTICULAR PURPOSE. See the GNU General Public License for more details.

You should have received a copy of the GNU General Public License along with this program. If

not, see @url{<http://www.gnu.org/licenses/>}.

@end smallexample

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

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

@smallexample

@var{program} Copyright (C) @var{year} @var{name of author}

This program comes with ABSOLUTELY NO WARRANTY; for details type @samp{show w}.  
This is free software, and you are welcome to redistribute it  
under certain conditions; type @samp{show c} for details.  
@end smallexample

The hypothetical commands @samp{show w} and @samp{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".

You should also get your employer (if you work as a programmer) or school,  
if any, to sign a ``copyright disclaimer" for the program, if necessary.  
For more information on this, and how to apply and follow the GNU  
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The GNU General Public License does not permit incorporating your  
program into proprietary programs. If your program is a subroutine  
library, you may consider it more useful to permit linking proprietary  
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first, please read @url{http://www.gnu.org/philosophy/why-not-lgpl.html}.  
@c man end

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Version 2.1, February 1999

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Any

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Version 3.1, 31 March 2009

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This is an attempt to acknowledge early contributions to the garbage collector. Later contributions should instead be mentioned in README.changes.

## HISTORY -

Early versions of this collector were developed as a part of research projects supported in part by the National Science Foundation and the Defense Advance Research Projects Agency.

The garbage collector originated as part of the run-time system for the Russell programming language implementation. The first version of the garbage collector was written primarily by Al Demers. It was then refined and mostly rewritten, primarily by Hans-J. Boehm, at Cornell U., the University of Washington, Rice University (where it was first used for C and assembly code), Xerox PARC, SGI, and HP Labs. However, significant contributions have also been made by many others.

Some other contributors:

More recent contributors are mentioned in the modification history in README.changes. My apologies for any omissions.

The SPARC specific code was originally contributed by Mark Weiser.

The Encore Multimax modifications were supplied by Kevin Kenny (kenny@m.cs.uiuc.edu). The adaptation to the IBM PC/RT is largely due to Vernon Lee, on machines made available to Rice by IBM.

Much of the HP specific code and a number of good suggestions for improving the generic code are due to Walter Underwood.

Robert Brazile (brazile@diamond.bbn.com) originally supplied the ULTRIX code. Al Dosser (dosser@src.dec.com) and Regis Cridlig (Regis.Cridlig@cl.cam.ac.uk) subsequently provided updates and information on variation between ULTRIX systems. Parag Patel (parag@netcom.com) supplied the A/UX code.

Jesper Peterson(jep@mtiame.mtia.oz.au), Michel Schinz, and Martin Tauchmann (martintauchmann@bigfoot.com) supplied the Amiga port. Thomas Funke (thf@zelator.in-berlin.de(?)) and

Brian D.Carlstrom (bdc@clark.lcs.mit.edu) supplied the NeXT ports.

Douglas Steel (doug@wg.icl.co.uk) provided ICL DRS6000 code.

Bill Janssen (janssen@parc.xerox.com) supplied the SunOS dynamic loader

specific code. Manuel Serrano (serrano@cornas.inria.fr) supplied linux and Sony News specific code. Al Dosser provided Alpha/OSF/1 code. He and Dave Detlefs(detlefs@src.dec.com) also provided several generic bug fixes.

Alistair G. Crooks(agg@uts.amdahl.com) supplied the NetBSD and 386BSD ports.

Jeffrey Hsu (hsu@soda.berkeley.edu) provided the FreeBSD port.

Brent Benson (brent@jade.ssd.csd.harris.com) ported the collector to a Motorola 88K processor running CX/UX (Harris NightHawk).

Ari Huttunen (Ari.Huttunen@hut.fi) generalized the OS/2 port to nonIBM development environments (a nontrivial task).  
Patrick Beard (beard@cs.ucdavis.edu) provided the initial MacOS port.  
David Chase, then at Olivetti Research, suggested several improvements.  
Scott Schwartz (schwartz@groucho.cse.psu.edu) supplied some of the code to save and print call stacks for leak detection on a SPARC.  
Jesse Hull and John Ellis supplied the C++ interface code.  
Zhong Shao performed much of the experimentation that led to the current typed allocation facility. (His dynamic type inference code hasn't made it into the released version of the collector, yet.)  
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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.

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.

@iftex

@appendixsubsec TERMS AND CONDITIONS FOR COPYING, DISTRIBUTION AND MODIFICATION

@end iftex

@ifinfo

@center GNU LESSER GENERAL PUBLIC LICENSE

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@end ifinfo

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@item

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the files modified to carry prominent notices

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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.)

@end enumerate

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@item

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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.

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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.)

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

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@item

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@item

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

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@end enumerate

@iftex

@heading END OF TERMS AND CONDITIONS

@end iftex

@ifinfo

@center END OF TERMS AND CONDITIONS

@end ifinfo

@page

@appendixsubsec How to Apply These Terms to Your New Libraries

If you develop a new library, and you want it to be of the greatest possible use to the public, we recommend making it free software that everyone can redistribute and change. You can do so by permitting redistribution under these terms (or, alternatively, under the terms of the ordinary General Public License).

To apply these terms, attach the following notices to the library. 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.

@smallexample

@var{one line to give the library's name and an idea of what it does.}

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@end smallexample

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:

@smallexample

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

@var{signature of Ty Coon}, 1 April 1990

Ty Coon, President of Vice

@end smallexample

That's all there is to it!

## 1.73 grafana-pyroscope-go-godeltaprof 0.1.8

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\* that any problems introduced by others will not reflect on the original  
\* authors' reputations.

\*

\* Finally, any free program is threatened constantly by software  
\* patents. We wish to avoid the danger that redistributors  
of a free  
\* program will individually obtain patent licenses, in effect making the  
\* program proprietary. To prevent this, we have made it clear that any  
\* patent must be licensed for everyone's free use or not licensed at all.

\*

\* The precise terms and conditions for copying, distribution and  
\* modification follow.

\*

\* GNU GENERAL PUBLIC LICENSE  
\* TERMS AND CONDITIONS FOR COPYING, DISTRIBUTION AND MODIFICATION

\*

\* 0. This License applies to any program or other work which contains  
\* a notice placed by the copyright holder saying it may be distributed  
\* under the terms of this General Public License. The "Program", below,  
\* refers to any such program or work, and a "work based on the Program"  
\* means either the Program or any derivative work under copyright law:  
\* that is to say, a work containing the Program or a portion of it,  
\* either verbatim or with modifications and/or translated into another  
\* language. (Hereinafter, translation is

included without limitation in

\* the term "modification".) Each licensee is addressed as "you".

\*

\* Activities other than copying, distribution and modification are not

\* covered by this License; they are outside its scope. The act of

\* running the Program is not restricted, and the output from the Program

\* is covered only if its contents constitute a work based on the

\* Program (independent of having been made by running the Program).

\* Whether that is true depends on what the Program does.

\*

\* 1. You may copy and distribute verbatim copies of the Program's

\* source code as you receive it, in any medium, provided that you

\* conspicuously and appropriately publish on each copy an appropriate

\* copyright notice and disclaimer of warranty; keep intact all the

\* notices that refer to this License and to the absence of any warranty;

\* and give any other recipients of the Program a copy of this License

\* along with the Program.

\*

\* You may charge a fee for the physical

act of transferring a copy, and

\* you may at your option offer warranty protection in exchange for a fee.

\*

\* 2. You may modify your copy or copies of the Program or any portion

\* of it, thus forming a work based on the Program, and copy and

\* distribute such modifications or work under the terms of Section 1

\* above, provided that you also meet all of these conditions:

\*

\* a) You must cause the modified files to carry prominent notices

\* stating that you changed the files and the date of any change.

\*

\* b) You must cause any work that you distribute or publish, that in

\* whole or in part contains or is derived from the Program or any

\* part thereof, to be licensed as a whole at no charge to all third

\* parties under the terms of this License.

\*

\* c) If the modified program normally reads commands interactively

\* when run, you must cause it, when started running for such

\* interactive use in the most ordinary way, to print or display

an

\* announcement including an appropriate copyright notice and a

\* notice that there is no warranty (or else, saying that you provide

\* a warranty) and that users may redistribute the program under

\* these conditions, and telling the user how to view a copy of this

\* License. (Exception: if the Program itself is interactive but

\* does not normally print such an announcement, your work based on

\* the Program is not required to print an announcement.)

\*

\* These requirements apply to the modified work as a whole. If

\* identifiable sections of that work are not derived from the Program,  
\* 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 Program, 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 Program.

\*

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

\*

\* 3. You may copy and distribute the Program (or a work based on it,  
\* under Section 2) in object code or executable form under the terms of  
\* Sections 1 and 2 above provided that you also do one of the following:

\*

\* a) 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; or,

\*

\* b) Accompany it with a written offer, valid for at least three  
\* years, to give any third party, for a charge no more than your  
\* cost of physically performing source distribution, a complete  
\* machine-readable copy of the corresponding source code, to be  
\* distributed under the terms of Sections 1 and 2 above on a medium  
\* customarily used for software interchange; or,

\*

\* 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.)

\*

\* The source code for a work means the preferred form of the work for  
\* making modifications to it. For an executable work, 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 executable. However, as a

- \* special exception, the source code 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.

\*

- \* If distribution of executable or 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 counts as
- \* distribution of the source code, even though third parties are not
- \* compelled to copy the source along with the object code.

\*

- \* 4. You may not copy, modify, sublicense, or distribute the Program
- \* except as expressly provided under this License. Any attempt

\*

- otherwise to copy, modify, sublicense or distribute the Program is
- \* void, and will automatically terminate your rights under this License.
- \* However, parties who have received copies, or rights, from you under
- \* this License will not have their licenses terminated so long as such
- \* parties remain in full compliance.

\*

- \* 5. You are not required to accept this License, since you have not
- \* signed it. However, nothing else grants you permission to modify or
- \* distribute the Program or its derivative works. These actions are
- \* prohibited by law if you do not accept this License. Therefore, by
- \* modifying or distributing the Program (or any work based on the
- \* Program), you indicate your acceptance of this License to do so, and
- \* all its terms and conditions for copying, distributing or modifying
- \* the Program or works based on it.

\*

- \* 6. Each time you redistribute the Program (or any work based on the
- \* Program), the recipient automatically receives a license from
- the

- \* original licensor to copy, distribute or modify the Program subject to
- \* these terms and conditions. You may not impose any further
- \* restrictions on the recipients' exercise of the rights granted herein.
- \* You are not responsible for enforcing compliance by third parties to
- \* this License.

\*

- \* 7. If, as a consequence of a court judgment or allegation of patent
- \* infringement or for any other reason (not limited to patent issues),
- \* conditions are imposed on you (whether by court order, agreement or
- \* otherwise) that contradict the conditions of this License, they do not
- \* excuse you from the conditions of this License. If you cannot
- \* distribute so as to satisfy simultaneously your obligations under this
- \* License and any other pertinent obligations, then as a consequence you
- \* may not distribute the Program at all. For example, if a patent
- \* license would not permit royalty-free redistribution of the Program by

- \* all those who receive copies directly or indirectly through you, then
- \* the only way you could satisfy both it and this License would be to
- \* refrain entirely from distribution of the Program.
- \*
- \* 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.
- \*
- \* It is not the purpose of this section to induce you to infringe any
- \* patents or other property right claims or to contest validity of any
- \* 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.
- \*
- \* This section is intended to make thoroughly clear what is believed to
- \* be a consequence of the rest of this License.
- \*
- \* 8. If the distribution and/or use of the Program is restricted in
- \* certain countries either by patents or by copyrighted interfaces, the
- \* original copyright holder who places the Program under this License
- \* may add an explicit geographical distribution limitation excluding
- \* those countries, so that distribution is permitted only in or among
- \* countries not thus excluded. In such case, this License incorporates
- \* the limitation as if written in the body of this License.
- \*
- \* 9. The Free Software Foundation may publish revised and/or new versions
- \* of the General Public License from time to time. Such new versions will
- \* be similar in spirit to the present version, but may differ in detail to
- \* address new problems or concerns.
- \*
- \* Each version is given a distinguishing version number. If the Program
- \* specifies a version number of this License which applies to it and "any
- \* later version", you have the option of following the terms and conditions
- \* either of that version or of any later version published by the Free
- \* Software Foundation. If the Program does not specify a version number of
- \* this License, you may choose any version ever published by the Free Software
- \* Foundation.
- \*
- \* 10. If you wish to incorporate parts of the Program into other free
- \* programs whose distribution conditions are different, write to the author

\* to ask for permission. For software which is copyrighted by the Free  
 \* Software Foundation, write to the Free Software Foundation; we sometimes  
 \* make exceptions for this. Our decision will be guided by the two goals  
 \* of preserving the free status of all derivatives of our free software and  
 \* of promoting the sharing and reuse of software generally.

\*  
 \* NO WARRANTY  
 \*

\* 11. BECAUSE THE PROGRAM IS LICENSED FREE OF CHARGE, THERE  
 IS NO WARRANTY  
 \* FOR THE PROGRAM, TO THE EXTENT PERMITTED BY APPLICABLE LAW. EXCEPT WHEN  
 \* OTHERWISE STATED IN WRITING THE COPYRIGHT HOLDERS AND/OR OTHER PARTIES  
 \* PROVIDE THE PROGRAM "AS IS" WITHOUT WARRANTY OF ANY KIND, EITHER EXPRESSED  
 \* OR IMPLIED, INCLUDING, BUT NOT LIMITED TO, THE IMPLIED WARRANTIES OF  
 \* MERCHANTABILITY AND FITNESS FOR A PARTICULAR PURPOSE. THE ENTIRE RISK AS  
 \* TO THE QUALITY AND PERFORMANCE OF THE PROGRAM IS WITH YOU. SHOULD THE  
 \* PROGRAM PROVE DEFECTIVE, YOU ASSUME THE COST OF ALL NECESSARY SERVICING,  
 \* REPAIR OR CORRECTION.

\*  
 \* 12. IN NO EVENT UNLESS REQUIRED BY APPLICABLE LAW OR AGREED TO IN WRITING  
 \* WILL ANY COPYRIGHT HOLDER, OR ANY OTHER PARTY WHO MAY MODIFY AND/OR  
 \* REDISTRIBUTE THE PROGRAM AS PERMITTED ABOVE, BE LIABLE TO YOU FOR DAMAGES,  
 \* INCLUDING ANY GENERAL, SPECIAL, INCIDENTAL OR CONSEQUENTIAL DAMAGES ARISING  
 \* OUT OF THE USE OR INABILITY TO USE THE PROGRAM (INCLUDING BUT NOT LIMITED  
 \* TO LOSS OF DATA OR DATA BEING RENDERED INACCURATE  
 OR LOSSES SUSTAINED BY  
 \* YOU OR THIRD PARTIES OR A FAILURE OF THE PROGRAM TO OPERATE WITH ANY OTHER  
 \* PROGRAMS), EVEN IF SUCH HOLDER OR OTHER PARTY HAS BEEN ADVISED OF THE  
 \* POSSIBILITY OF SUCH DAMAGES.

\*  
 \* END OF TERMS AND CONDITIONS  
 \*/

2. union-fsck imported and modified from initramfs-tools version 0.91e

(<http://anonscm.debian.org/cgit/kernel/initramfs-tools.git/tag/?h=0.91e>) using GPL v2 or any later version

3. boot0 imported from <https://github.com/aristanetworks/sonic> using GNU GENERAL PUBLIC LICENSE Version 3

/\* GNU GENERAL PUBLIC LICENSE  
 \* Version 3, 29 June 2007  
 \*  
 \* Copyright (C) 2007 Free Software Foundation, Inc. <<http://fsf.org/>>  
 \* Everyone is permitted to copy and distribute verbatim copies  
 \* of this license document, but changing it is not allowed.  
 \*  
 \* Preamble  
 \*

- \* The GNU General Public License is a free, copyleft license for
- \* software and other kinds of works.
- \*
- \* The licenses for most software and other practical works are designed
- \* to take away your freedom to share and change the works. By contrast,
- \* the GNU General Public License is intended to guarantee your freedom to
- \* share and change all versions of a program--to make sure it remains free
- \* software for all its users. We, the Free Software Foundation, use the
- \* GNU General Public License for most of our software; it applies also to
- \* any other work released this way by its authors. You can apply it to
- \* your programs, too.
- \*
- \* When we speak of free software, we are referring to freedom, not
- \* price. Our General Public Licenses are designed to make sure that you
- \* have the freedom to distribute copies of free software (and charge for
- \* them if you wish), that you receive source code or can get it if you
- \* want it, that you can change the software or use pieces of it in new
- \* free programs, and that you know you can do these things.
- \*
- \* To protect your
- rights, we need to prevent others from denying you
- \* these rights or asking you to surrender the rights. Therefore, you have
- \* certain responsibilities if you distribute copies of the software, or if
- \* you modify it: responsibilities to respect the freedom of others.
- \*
- \* For example, if you distribute copies of such a program, whether
- \* gratis or for a fee, you must pass on to the recipients the same
- \* freedoms that you received. You must make sure that they, too, receive
- \* or can get the source code. And you must show them these terms so they
- \* know their rights.
- \*
- \* Developers that use the GNU GPL protect your rights with two steps:
- \* (1) assert copyright on the software, and (2) offer you this License
- \* giving you legal permission to copy, distribute and/or modify it.
- \*
- \* For the developers' and authors' protection, the GPL clearly explains
- \* that there is no warranty for this free software. For both users' and
- \* authors' sake, the GPL requires that modified
- versions be marked as
- \* changed, so that their problems will not be attributed erroneously to
- \* authors of previous versions.
- \*
- \* Some devices are designed to deny users access to install or run
- \* modified versions of the software inside them, although the manufacturer
- \* can do so. This is fundamentally incompatible with the aim of
- \* protecting users' freedom to change the software. The systematic
- \* pattern of such abuse occurs in the area of products for individuals to
- \* use, which is precisely where it is most unacceptable. Therefore, we



\* have designed this version of the GPL to prohibit the practice for those  
\* products. If such problems arise substantially in other domains, we  
\* stand ready to extend this provision to those domains in future versions  
\* of the GPL, as needed to protect the freedom of users.

\*

\* Finally, every program is threatened constantly by software patents.  
\* States should not allow patents to restrict development and use of  
\* software  
on general-purpose computers, but in those that do, we wish to  
\* avoid the special danger that patents applied to a free program could  
\* make it effectively proprietary. To prevent this, the GPL assures that  
\* patents cannot be used to render the program non-free.

\*

\* The precise terms and conditions for copying, distribution and  
\* modification follow.

\*

## \* TERMS AND CONDITIONS

\*

### \* 0. Definitions.

\*

\* "This License" refers to version 3 of the GNU General Public License.

\*

\* "Copyright" also means copyright-like laws that apply to other kinds of  
\* works, such as semiconductor masks.

\*

\* "The Program" refers to any copyrightable work licensed under this  
\* License. Each licensee is addressed as "you". "Licensees" and  
\* "recipients" may be individuals or organizations.

\*

\* To "modify" a work means to copy from or adapt all or part of the work  
\* in a fashion requiring copyright permission, other than the making of an  
\* exact copy.

The resulting work is called a "modified version" of the  
\* earlier work or a work "based on" the earlier work.

\*

\* A "covered work" means either the unmodified Program or a work based  
\* on the Program.

\*

\* To "propagate" a work means to do anything with it that, without  
\* permission, would make you directly or secondarily liable for  
\* infringement under applicable copyright law, except executing it on a  
\* computer or modifying a private copy. Propagation includes copying,  
\* distribution (with or without modification), making available to the  
\* public, and in some countries other activities as well.

\*

\* To "convey" a work means any kind of propagation that enables other  
\* parties to make or receive copies. Mere interaction with a user through  
\* a computer network, with no transfer of a copy, is not conveying.

- \*
  - \* An interactive user interface displays "Appropriate Legal Notices"
  - \* to the extent that it includes a convenient and prominently visible
  - \* feature
  - that (1) displays an appropriate copyright notice, and (2)
  - \* tells the user that there is no warranty for the work (except to the
  - \* extent that warranties are provided), that licensees may convey the
  - \* work under this License, and how to view a copy of this License. If
  - \* the interface presents a list of user commands or options, such as a
  - \* menu, a prominent item in the list meets this criterion.
- \*
  - \* 1. Source Code.
- \*
  - \* The "source code" for a work means the preferred form of the work
  - \* for making modifications to it. "Object code" means any non-source
  - \* form of a work.
- \*
  - \* A "Standard Interface" means an interface that either is an official
  - \* standard defined by a recognized standards body, or, in the case of
  - \* interfaces specified for a particular programming language, one that
  - \* is widely used among developers working in that language.
- \*
  - \* The "System Libraries" of an executable work include anything, other
  - \* than the work as a whole, that (a) is included
  - in the normal form of
  - \* packaging a Major Component, but which is not part of that Major
  - \* Component, and (b) serves only to enable use of the work with that
  - \* Major Component, or to implement a Standard Interface for which an
  - \* implementation is available to the public in source code form. A
  - \* "Major Component", in this context, means a major essential component
  - \* (kernel, window system, and so on) of the specific operating system
  - \* (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.
- \*
  - \* The "Corresponding Source" for a work in object code form means all
  - \* the source code needed to generate, install, and (for an executable
  - \* 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
  - \* programs which are used unmodified in performing
  - those activities but
  - \* which are not part of the work. For example, Corresponding Source
  - \* includes interface definition files associated with source files for
  - \* the work, and the source code for shared libraries and dynamically
  - \* linked subprograms that the work is specifically designed to require,
  - \* such as by intimate data communication or control flow between those
  - \* subprograms and other parts of the work.
- \*
  -

- \* The Corresponding Source need not include anything that users
- \* can regenerate automatically from other parts of the Corresponding
- \* Source.
- \*
- \* The Corresponding Source for a work in source code form is that
- \* same work.
- \*
- \* 2. Basic Permissions.
- \*
- \* All rights granted under this License are granted for the term of
- \* copyright on the Program, and are irrevocable provided the stated
- \* conditions are met. This License explicitly affirms your unlimited
- \* permission to run the unmodified Program. The output from running a
- \* covered work is covered
- by this License only if the output, given its
- \* content, constitutes a covered work. This License acknowledges your
- \* rights of fair use or other equivalent, as provided by copyright law.
- \*
- \* You may make, run and propagate covered works that you do not
- \* convey, without conditions so long as your license otherwise remains
- \* in force. You may convey covered works to others for the sole purpose
- \* of having them make modifications exclusively for you, or provide you
- \* with facilities for running those works, provided that you comply with
- \* the terms of this License in conveying all material for which you do
- \* not control copyright. Those thus making or running the covered works
- \* for you must do so exclusively on your behalf, under your direction
- \* and control, on terms that prohibit them from making any copies of
- \* your copyrighted material outside their relationship with you.
- \*
- \* Conveying under any other circumstances is permitted solely under
- \* the conditions
- stated below. Sublicensing is not allowed; section 10
- \* makes it unnecessary.
- \*
- \* 3. Protecting Users' Legal Rights From Anti-Circumvention Law.
- \*
- \* No covered work shall be deemed part of an effective technological
- \* measure under any applicable law fulfilling obligations under article
- \* 11 of the WIPO copyright treaty adopted on 20 December 1996, or
- \* similar laws prohibiting or restricting circumvention of such
- \* measures.
- \*
- \* When you convey a covered work, you waive any legal power to forbid
- \* circumvention of technological measures to the extent such circumvention
- \* is effected by exercising rights under this License with respect to
- \* the covered work, and you disclaim any intention to limit operation or
- \* modification of the work as a means of enforcing, against the work's
- \* users, your or third parties' legal rights to forbid circumvention of

- \* technological measures.
- \*
- \* 4. Conveying Verbatim Copies.
- \*
- \* You may convey verbatim copies of the Program's source code as you
  - \* receive it, in any medium, provided that you conspicuously and
  - \* appropriately publish on each copy an appropriate copyright notice;
  - \* keep intact all notices stating that this License and any
  - \* non-permissive terms added in accord with section 7 apply to the code;
  - \* keep intact all notices of the absence of any warranty; and give all
  - \* recipients a copy of this License along with the Program.
- \*
- \* You may charge any price or no price for each copy that you convey,
- \* and you may offer support or warranty protection for a fee.
- \*
- \* 5. Conveying Modified Source Versions.
- \*
- \* You may convey a work based on the Program, or the modifications to
  - \* produce it from the Program, in the form of source code under the
  - \* terms of section 4, provided that you also meet all of these conditions:
- \*
- \* a) The work must carry prominent notices stating that you modified
  - \* it, and giving a relevant date.
- \*
- \* b) The work must carry prominent
  - notices stating that it is
  - \* released under this License and any conditions added under section
  - \* 7. This requirement modifies the requirement in section 4 to
  - \* "keep intact all notices".
- \*
- \* c) You must license the entire work, as a whole, under this
  - \* License to anyone who comes into possession of a copy. This
  - \* License will therefore apply, along with any applicable section 7
  - \* additional terms, to the whole of the work, and all its parts,
  - \* regardless of how they are packaged. This License gives no
  - \* permission to license the work in any other way, but it does not
  - \* invalidate such permission if you have separately received it.
- \*
- \* d) If the work has interactive user interfaces, each must display
  - \* Appropriate Legal Notices; however, if the Program has interactive
  - \* interfaces that do not display Appropriate Legal Notices, your
  - \* work need not make them do so.
- \*
- \* A compilation of a covered work with other
  - separate and independent
  - \* works, which are not by their nature extensions of the covered work,
  - \* and which are not combined with it such as to form a larger program,

\* in or on a volume of a storage or distribution medium, is called an  
\* "aggregate" if the compilation and its resulting copyright are not  
\* used to limit the access or legal rights of the compilation's users  
\* beyond what the individual works permit. Inclusion of a covered work  
\* in an aggregate does not cause this License to apply to the other  
\* parts of the aggregate.

\*

\* 6. Conveying Non-Source Forms.

\*

\* You may convey a covered work in object code form under the terms  
\* of sections 4 and 5, provided that you also convey the  
\* machine-readable Corresponding Source under the terms of this License,  
\* in one of these ways:

\*

\* a) Convey the object code in, or embodied in, a physical product  
\* (including a physical distribution medium), accompanied by the  
\* Corresponding Source fixed  
on a durable physical medium  
\* 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  
\* model, to give anyone who possesses the object code either (1) a  
\* copy of the Corresponding Source for all the software in the  
\* product that is covered by this License, on a durable physical  
\* medium customarily used for software interchange, for a price no  
\* more than your reasonable cost of physically performing this  
\* conveying of source, or (2) access to copy the  
\* Corresponding Source from a network server at no charge.

\*

\* c) Convey individual copies of the object code with a copy of the  
\* written offer to provide the Corresponding Source. This  
\* alternative is allowed  
only occasionally and noncommercially, and  
\* only if you received the object code with such an offer, in accord  
\* with subsection 6b.

\*

\* d) Convey the object code by offering access from a designated  
\* place (gratis or for a charge), and offer equivalent access to the  
\* Corresponding Source in the same way through the same place at no  
\* further charge. You need not require recipients to copy the  
\* Corresponding Source along with the object code. If the place to  
\* copy the object code is a network server, the Corresponding Source  
\* may be on a different server (operated by you or a third party)  
\* that supports equivalent copying facilities, provided you maintain  
\* clear directions next to the object code saying where to find the

- \* Corresponding Source. Regardless of what server hosts the
- \* Corresponding Source, you remain obligated to ensure that it is
- \* available for as long as needed to satisfy these requirements.
- \*
- \* e) Convey the object code using peer-to-peer transmission, provided
- \* you inform other peers where the object code and Corresponding
- \* Source of the work are being offered to the general public at no
- \* charge under subsection 6d.
- \*
- \* A separable portion of the object code, whose source code is excluded
- \* from the Corresponding Source as a System Library, need not be
- \* included in conveying the object code work.
- \*
- \* A "User Product" is either (1) a "consumer product", which means any
- \* tangible personal property which is normally used for personal, family,
- \* or household purposes, or (2) anything designed or sold for incorporation
- \* into a dwelling. In determining whether a product is a consumer product,
- \* doubtful cases shall be resolved in favor of coverage. For a particular
- \* product received by a particular user, "normally used" refers to a
- \* typical or common use of that class of product, regardless of the status
- \* of the particular
- user or of the way in which the particular user
- \* actually uses, or expects or is expected to use, the product. A product
- \* is a consumer product regardless of whether the product has substantial
- \* commercial, industrial or non-consumer uses, unless such uses represent
- \* the only significant mode of use of the product.
- \*
- \* "Installation Information" for a User Product means any methods,
- \* procedures, authorization keys, or other information required to install
- \* and execute modified versions of a covered work in that User Product from
- \* a modified version of its Corresponding Source. The information must
- \* suffice to ensure that the continued functioning of the modified object
- \* code is in no case prevented or interfered with solely because
- \* modification has been made.
- \*
- \* If you convey an object code work under this section in, or with, or
- \* specifically for use in, a User Product, and the conveying occurs as
- \* part of a transaction in which the right of possession
- and use of the
- \* User Product is transferred to the recipient in perpetuity or for a
- \* fixed term (regardless of how the transaction is characterized), the
- \* Corresponding Source conveyed under this section must be accompanied
- \* by the Installation Information. But this requirement does not apply
- \* if neither you nor any third party retains the ability to install
- \* modified object code on the User Product (for example, the work has
- \* been installed in ROM).
- \*
- \* The requirement to provide Installation Information does not include a

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4. apt-clean, apt-gzip-indexes, apt-no-languages imported from docker v1.11.1

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- \* Source: <https://github.com/daveolson53/tacplus-auth>

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 *  
 * Description:  
 * This modules does with PEAP-MSCHAPv2 user authentication  
 *  
 * Portions are of this code are extracted from freeradius-1.1.4,  
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 *  
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## 1.84 go-internal 1.12.0

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## 1.86 go-redis 9.0.5

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Metadata-Version: 1.1

Name: terminaltables

Version: 3.1.0

Summary: Generate simple tables in terminals from a nested list of strings.

Home-page: <https://github.com/Robpol86/terminaltables>

Author: @Robpol86

Author-email: [robpol86@gmail.com](mailto:robpol86@gmail.com)

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Description: =====

terminaltables

=====

Easily draw tables in terminal/console applications from a list of lists of strings. Supports multi-line rows.

\* Python 2.6, 2.7, PyPy, PyPy3, 3.3, 3.4, and 3.5 supported on Linux and OS X.

\* Python 2.7, 3.3, 3.4, and 3.5 supported on Windows (both 32 and 64 bit versions of Python).

Full documentation: <https://robpol86.github.io/terminaltables>

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.. image:: <https://img.shields.io/pypi/v/terminaltables.svg?style=flat-square&label=Latest>

:target: <https://pypi.python.org/pypi/terminaltables>

:alt: Latest Version

Quickstart

=====

Install:

.. code:: bash

```
pip install terminaltables
```

Usage:

.. code::

```
from terminaltables import AsciiTable
```

```
table_data = [
    ['Heading1', 'Heading2'],
    ['row1 column1', 'row1 column2'],
    ['row2 column1', 'row2 column2'],
    ['row3 column1', 'row3 column2']
]
table = AsciiTable(table_data)
print table.table
+-----+-----+
| Heading1 | Heading2 |
+-----+-----+
| row1 column1 | row1 column2 |
| row2 column1 | row2 column2 |
| row3 column1 | row3 column2 |
+-----+-----+
```

Example Implementations

=====

.. image:: <https://raw.githubusercontent.com/Robpol86/terminaltables/v3.1.0/docs/examples.png?raw=true>  
:alt: Example Scripts Screenshot

Source code for examples: ``example1.py`

<<https://github.com/Robpol86/terminaltables/blob/master/example1.py>>`\_,

``example2.py` <<https://github.com/Robpol86/terminaltables/blob/master/example2.py>>`\_,

and

``example3.py` <<https://github.com/Robpol86/terminaltables/blob/master/example3.py>>`\_

.. changelog-section-start

Changelog

=====

This project adheres to `Semantic Versioning`\_ <<http://semver.org/>>`\_.

3.1.0 - 2016-10-16

-----

#### Added

- \* ``git --porcelain``-like table by liiight: <https://github.com/Robpol86/terminaltables/pull/31>

3.0.0 - 2016-05-30

-----

#### Added

- \* Support for <https://pypi.python.org/pypi/colorama>
- \* Support for <https://pypi.python.org/pypi/termcolor>
- \* Support for RTL characters (Arabic and Hebrew).
- \* Support for non-string items in ``table\_data`` like integers.

#### Changed

- \* Refactored again, but this time entire project including tests.

#### Removed

- \* ``padded\_table\_data`` property and ``join\_row()``. Moving away from repeated string joining/splitting.

#### Fixed

- \* ``set\_terminal\_title()`` Unicode handling on Windows.
- \* <https://github.com/Robpol86/terminaltables/issues/18>
- \* <https://github.com/Robpol86/terminaltables/issues/20>
- \* <https://github.com/Robpol86/terminaltables/issues/23>
- \* <https://github.com/Robpol86/terminaltables/issues/26>

2.1.0 - 2015-11-02

-----

#### Added

- \* GitHub Flavored Markdown table by bcho: <https://github.com/Robpol86/terminaltables/pull/12>
- \* Python 3.5 support (Linux/OS X and Windows).

2.0.0 - 2015-10-11

-----

#### Changed

- \* Refactored code. No new features.
- \* Breaking changes: ``UnixTable``/``WindowsTable``/``WindowsTableDouble`` moved. Use ``SingleTable``/``DoubleTable``

instead.

1.2.1 - 2015-09-03

-----

#### Fixed

- \* CJK character width fixed by zqqf16 and bcho: <https://github.com/Robpol86/terminaltables/pull/9>

1.2.0 - 2015-05-31

-----

Added

- \* Bottom row separator.

1.1.1 - 2014-11-03

-----

Fixed

- \* Python 2.7 64-bit terminal width bug on Windows.

1.1.0 - 2014-11-02

-----

Added

- \* Windows support.
- \* Double-lined table.

1.0.2 - 2014-09-18

-----

Added

- \* ``table\_width`` and ``ok`` properties.

1.0.1 - 2014-09-12

-----

Added

- \* Terminal width/height defaults for testing.
- \* ``terminaltables.DEFAULT\_TERMINAL\_WIDTH``
- \* ``terminaltables.DEFAULT\_TERMINAL\_HEIGHT``

1.0.0 - 2014-09-11

-----

- \* Initial release.

.. changelog-section-end

Keywords: Shell Bash ANSI ASCII terminal tables

Platform: UNKNOWN

Classifier: Development Status :: 5 - Production/Stable

Classifier: Environment :: Console

Classifier: Environment :: MacOS X

Classifier: Environment :: Win32 (MS Windows)

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Classifier: Topic :: Text Processing :: Markup

Found in path(s):

\* /terminaltables-3-1-0-1-tar-gz/terminaltables-3.1.0/PKG-INFO  
\* /terminaltables-3-1-0-1-tar-gz/terminaltables-3.1.0/terminaltables.egg-info/PKG-INFO

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## 0.20241226095751-7ff70d4ea61c

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# 1.104 liip-sheriff 0.12.0

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# 1.105 bougou-go-ipmi 0.7.2

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# 1.106 zmap-go-dns-root-anchors 0.0.0-20241218192521-63aee68224b6

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# 1.109 zmap-zflags 1.4.0-beta.1.0.20200204220219-9d95409821b6

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# 1.110 zmap-rc2 0.0.0-20190804163417-abaa70531248

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"Hate" shall mean the feeling I feel about all of you with the heat of a thousand suns.

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# 1.111 stmcginnis-gofish 0.19.0

## 1.111.1 Available under license :

```
//
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//

package redfish

import (
    "encoding/json"
    "fmt"
    "strings"
    "testing"
)

var licenseBody = strings.NewReader(
`{
    "@odata.context": "/redfish/v1/$metadata#License.License",
    "@odata.id": "/redfish/v1/LicenseService/Licenses/FD00000032890062",
    "@odata.type": "#License.v1_1_1.License",
    "AuthorizationScope": "Service",
    "Description": "iDRAC9 16G Datacenter License",
    "DownloadURI": "/redfish/v1/LicenseService/Licenses/FD00000032890062/DownloadURI",
    "EntitlementId": "FD00000032890062",
    "ExpirationDate": null,
    "Id": "FD00000032890062",
    "InstallDate": null,
    "LicenseInfoURI": "",
    "LicenseOrigin": "Installed",
    "LicenseType": "Production",
    "Links": {},
    "Name": "FD00000032890062",
    "Removable": true,
    "Status": {
        "Health": "OK",
        "State": "Enabled"
    }
}`)

// TestLicense tests the parsing of License objects.
func TestLicense(t *testing.T) {
    var result License
    err := json.NewDecoder(licenseBody).Decode(&result)

    if
    err != nil {
        t.Errorf("Error decoding JSON: %s", err)
    }
    assertEquals(t, "FD00000032890062", result.ID)
```

```
assertEquals(t, "FD00000032890062", result.Name)
assertEquals(t, "Installed", string(result.LicenseOrigin))
assertEquals(t, "true", fmt.Sprintf("%t", result.Removable))
}
```

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//

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//

package redfish

```
import (
    "encoding/json"
```

```
    "github.com/stmcginnis/gofish/common"
)
```

// AuthorizationScope shall describe the authorization scope for this license.

type AuthorizationScope string



```

const (
    // DeviceAuthorizationScope shall indicate the license authorizes functionality for one or more specific device
    // instances, listed as values of the AuthorizedDevices property.
    DeviceAuthorizationScope AuthorizationScope = "Device"
    // CapacityAuthorizationScope shall indicate the license authorizes functionality for one or more device instances
    // limited to a maximum number of devices specified by the value of the MaxAuthorizedDevices property. In an
    // aggregator, the aggregating service shall represent the applicable services in the TargetServices property in
    // the Links property.
    CapacityAuthorizationScope AuthorizationScope = "Capacity"
    // ServiceAuthorizationScope shall indicate the license authorizes product-level or service-level
    functionality for
    // a service. This may include hardware or software features not tied to a specific device or subsystem. License
    // resources using this value shall not include the AuthorizedDevices nor the MaxAuthorizedDevices properties. In
    // an aggregator, the aggregating service shall represent the applicable services in the TargetServices property in
    // the Links property.
    ServiceAuthorizationScope AuthorizationScope = "Service"
)

```

```

type LicenseOrigin string

```

```

const (
    // BuiltInLicenseOrigin A license was provided with the product.
    BuiltInLicenseOrigin LicenseOrigin = "BuiltIn"
    // InstalledLicenseOrigin A license installed by user.
    InstalledLicenseOrigin LicenseOrigin = "Installed"
)

```

```

type LicenseType string

```

```

const (
    // ProductionLicenseType shall indicate a license purchased or obtained for use in production environments.
    ProductionLicenseType LicenseType = "Production"
    // PrototypeLicenseType shall indicate a license that is designed for development or internal
    use.
    PrototypeLicenseType LicenseType = "Prototype"
    // TrialLicenseType shall indicate a trial version of a license.
    TrialLicenseType LicenseType = "Trial"
)

```

```

// ContactInfo shall contain contact information for an individual or organization responsible for this license.
type ContactInfo struct {
    // ContactName shall contain the name of a person or organization to contact for information about this license.
    ContactName string
    // EmailAddress shall contain the email address for a person or organization to contact for information about this
    // license.
    EmailAddress string
    // PhoneNumber shall contain the phone number for a person or organization to contact for information about this

```

```

// license.
PhoneNumber string
}

// License shall represent a license for a Redfish implementation.
type License struct {
    common.Entity
    // ODataContext is the odata context.
    ODataContext string `json:"@odata.context"`
    // ODataEtag is the odata etag.
    ODataEtag string `json:"@odata.etag"`
    //
    ODataType is the odata type.
    ODataType string `json:"@odata.type"`
    // AuthorizationScope shall contain the authorization scope of the license.
    AuthorizationScope AuthorizationScope
    // Contact shall contain an object containing information about the contact of the license.
    Contact ContactInfo
    // Description provides a description of this resource.
    Description string
    // DownloadURI shall contain the URI from which to download the license file, using the Redfish protocol and
    // authentication methods. The service provides this URI for the download of the OEM-specific binary file of
    // license data. An HTTP GET from this URI shall return a response payload of MIME type 'application/octet-
    // stream'.
    DownloadURI string
    // EntitlementID shall contain the entitlement identifier for this license, used to display a license key, partial
    // license key, or other value used to identify or differentiate license instances.
    EntitlementID string
    // ExpirationDate shall contain the date
    and time when the license expires.
    ExpirationDate string
    // GracePeriodDays shall contain the number of days that the license is still usable after the date and time
    // specified by the ExpirationDate property.
    GracePeriodDays int
    // InstallDate shall contain the date and time when the license was installed.
    InstallDate string
    // LicenseInfoURI shall contain the URI at which to provide more information about the license. The information
    // provided at the URI is intended to be general product-related and not tied to a specific user, customer, or
    // license instance.
    LicenseInfoURI string
    // LicenseOrigin shall contain the origin for the license.
    LicenseOrigin LicenseOrigin
    // LicenseString shall contain the Base64-encoded string of the license. This property shall not appear in response
    // payloads.
    LicenseString string
    // LicenseType shall contain the type for the license.
    LicenseType LicenseType
    // Manufacturer shall represent the name of the manufacturer or producer

```

```

of this license.
Manufacturer string
// MaxAuthorizedDevices shall contain the maximum number of devices that are authorized by the license. This
// property shall only be present if the AuthorizationScope property contains the value 'Capacity'.
MaxAuthorizedDevices int
// Oem shall contain the OEM extensions. All values for properties that this object contains shall conform to the
// Redfish Specification-described requirements.
OEM json.RawMessage `json:"Oem"`
// PartNumber shall contain the manufacturer-provided part number for the license.
PartNumber string
// RemainingDuration shall contain the remaining usage duration before the license expires. This property shall
// only be present for licenses that are based on usage time.
RemainingDuration string
// RemainingUseCount shall contain the remaining usage count before the license expires. This property shall only
// be present for licenses that are based on usage count.
RemainingUseCount int
// Removable shall
// indicate whether a user can remove the license with an HTTP DELETE operation.
Removable bool
// SKU shall contain the SKU number for this license.
SKU string
// SerialNumber shall contain a manufacturer-allocated number that identifies the license.
SerialNumber string
// Status shall contain the status of license.
Status common.Status

// AuthorizedDevices shall contain an array of links to the devices that are authorized by the license.
AuthorizedDevices []string
// AuthorizedDevicesCount is the number of authorized devices.
AuthorizedDevicesCount int
targetServices []string
// TargetServicesCount is the number of target services where the license is installed.
TargetServicesCount int
}

// UnmarshalJSON unmarshals a License object from the raw JSON.
func (license *License) UnmarshalJSON(b []byte) error {
    type temp License
    type Links struct {
        // AuthorizedDevices shall contain an array of links to the devices that are authorized by the license. Clients can
        //
        // provide this property when installing a license to apply the license to specific devices. If not provided when
        // installing a license, the service may determine the devices to which the license applies. This property shall
        // not be present if the AuthorizationScope property contains the value 'Service'.
        AuthorizedDevices common.Links
        // AuthorizedDevices@odata.count
        AuthorizedDevicesCount int `json:"AuthorizedDevices@odata.count"`
        // TargetServices shall contain an array of links to resources of type Manager that represent the services where

```

```

// the license is installed, such as remote Redfish services. This property shall only be present in aggregators
// when the AuthorizationScope property contains 'Service' or 'Capacity'.
TargetServices common.Links
// TargetServices@odata.count
TargetServicesCount int `json:"TargetServices@odata.count"`
}
var t struct {
    temp
    Links Links
}

err := json.Unmarshal(b, &t)
if err != nil {
    return err
}

*license =
License(t.temp)

// Extract the links to other entities for later
license.AuthorizedDevices = t.Links.AuthorizedDevices.ToStrings()
license.AuthorizedDevicesCount = t.Links.AuthorizedDevicesCount
license.targetServices = t.Links.TargetServices.ToStrings()
license.TargetServicesCount = t.Links.TargetServicesCount

return nil
}

// TargetServices gets a set of Manager objects that represent the services where
// the license is installed, such as remote Redfish services.
func (license *License) TargetServices() ([]*Manager, error) {
    return common.GetObjects[Manager](license.GetClient(), license.targetServices)
}

// GetLicense will get a License instance from the service.
func GetLicense(c common.Client, uri string) (*License, error) {
    return common.GetObject[License](c, uri)
}

// ListReferencedLicenses gets the collection of License from
// a provided reference.
func ListReferencedLicenses(c common.Client, link string) ([]*License, error) {
    return common.GetCollectionObjects[License](c,
        link)
}

```

# 1.112 zmap-zdns v2.0.0

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Version 2.0, January 2004

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# 1.113 golang-jwt 3.2.2+incompatible

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\* /jansson-2-tar-gz/jansson/strbuffer.c

\* /jansson-2-tar-gz/jansson/strbuffer.h

\* /jansson-2-tar-gz/jansson/jansson.h

\* /jansson-2-tar-gz/jansson/value.c

\* /jansson-2-tar-gz/jansson/utf.h

\* /jansson-2-tar-gz/jansson/jansson\_private.h

\* /jansson-2-tar-gz/jansson/utf.c

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```
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 *
 *
 * This file specifies a part of the site-specific configuration for
 * Jansson, namely those things that affect the public API in
 * jansson.h.
 *
 * The configure script copies this file to jansson_config.h and
 * replaces @var@ substitutions by values that fit your system. If you
 * cannot run the configure script, you can do the value substitution
 * by hand.
 */
```

Found in path(s):

```
* /jansson-2-tar-gz/jansson/jansson_config.h.in
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```

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```
/*
```

-----  
lookup3.c, by Bob Jenkins, May 2006, Public Domain.

These are functions for producing 32-bit hashes for hash table lookup. hashword(), hashlittle(), hashlittle2(), hashbig(), mix(), and final() are externally useful functions. Routines to test the hash are included if SELF\_TEST is defined. You can use this free for any purpose. It's in the public domain. It has no warranty.

You probably want to use hashlittle(). hashlittle() and hashbig() hash byte arrays. hashlittle() is faster than hashbig() on little-endian machines. Intel and AMD are little-endian machines. On second thought, you probably want hashlittle2(), which is identical to hashlittle() except it returns two 32-bit hashes for the price of one. You could implement hashbig2() if you wanted but I haven't bothered here.

If you want to find a hash of, say, exactly

7 integers, do

```
a = i1; b = i2; c = i3;
```

```
mix(a,b,c);
```

```
a += i4; b += i5; c += i6;
```

```
mix(a,b,c);
```

```
a += i7;
```

final(a,b,c);  
then use c as the hash value. If you have a variable length array of  
4-byte integers to hash, use hashword(). If you have a byte array (like  
a character string), use hashlittle(). If you have several byte arrays, or  
a mix of things, see the comments above hashlittle().

Why is this so big? I read 12 bytes at a time into 3 4-byte integers,  
then mix those integers. This is fast (you can do a lot more thorough  
mixing with 12\*3 instructions on 3 integers than you can with 3 instructions  
on 1 byte), but shoehorning those bytes into integers efficiently is messy.

-----  
\*/

Found in path(s):  
\* /jansson-2-tar-gz/jansson/lookup3.h

# 1.115 genproto-googleapis-rpc 0.0.0- 20230822172742-b8732ec3820d

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## 1.119 multierr 1.10.0

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Initialize empty image

f1c9645dbc14efddc7d8a322685f26eb bsd.img

Create new DOS partition table

57e721e38d1266c2df055067c18f2cf9 bsd.img

---layout-----

Disk <removed>: 10 MiB, 10485760 bytes, 20480 sectors

Units: sectors of 1 \* 512 = 512 bytes

Sector size (logical/physical): 512 bytes / 512 bytes

I/O size (minimum/optimal): 512 bytes / 512 bytes

Disklabel type: dos

Disk identifier: <removed>

-----

Create 1st primary partition

ada64ace122978d00d1d1c0e5ee45d26 bsd.img

---layout-----

Disk <removed>: 10 MiB, 10485760 bytes, 20480 sectors

Units: sectors of 1 \* 512 = 512 bytes

Sector size (logical/physical): 512 bytes / 512 bytes

I/O size (minimum/optimal): 512 bytes / 512 bytes

Disklabel type: dos

Disk identifier: <removed>

Device	Boot	Start	End	Sectors	Size	Id	Type
--------	------	-------	-----	---------	------	----	------

<removed>1		2048	4095	2048	1M	83	Linux
------------	--	------	------	------	----	----	-------

-----

Create 2st primary partition

1bebf87248e05d6e4e62b749da65d023 bsd.img

Set 2nd partition type

2d8e8dff51a88a045db233418dd73fbe

bsd.img

---layout-----

Disk <removed>: 10 MiB, 10485760 bytes, 20480 sectors

Units: sectors of 1 \* 512 = 512 bytes  
Sector size (logical/physical): 512 bytes / 512 bytes  
I/O size (minimum/optimal): 512 bytes / 512 bytes  
Disklabel type: dos  
Disk identifier: <removed>

Device	Boot	Start	End	Sectors	Size	Id	Type
<removed>1		2048	4095	2048	1M	83	Linux
<removed>2		4096	20479	16384	8M	a5	FreeBSD

-----

Create default BSD  
2e1cee529cb59c9341afef0443f196a1 bsd.img

---layout-----

Welcome to fdisk <removed>.  
Changes will remain in memory only, until you decide to write them.  
Be careful before using the write command.

Command (m for help): Entering nested BSD disklabel.

Command (m for help): Disk <removed>2: 10 MiB, 10485760 bytes, 20480 sectors  
Geometry: 255 heads, 63 sectors/track, 1 cylinders  
Units: sectors of 1 \* 512 = 512 bytes  
Sector size (logical/physical): 512 bytes / 512 bytes  
I/O size (minimum/optimal): 512 bytes / 512 bytes  
Disklabel  
type: bsd

Slice	Start	End	Sectors	Size	Type	Fsize	Bsize	Cpg
c	4096	20479	16384	8M	unused	0	0	0
d	0	16064	16065	7.9M	unused	0	0	0

Partition table entries are not in disk order.

Command (m for help): Leaving nested disklabel.

Command (m for help):  
-----

b5c121c2091b2ff26b880551feac7112 bsd.img

---layout-----

Welcome to fdisk <removed>.  
Changes will remain in memory only, until you decide to write them.

Be careful before using the write command.

Command (m for help): Entering nested BSD disklabel.

Command (m for help): Disk <removed>2: 10 MiB, 10485760 bytes, 20480 sectors

Geometry: 255 heads, 63 sectors/track, 1 cylinders

Units: sectors of 1 \* 512 = 512 bytes

Sector size (logical/physical): 512 bytes / 512 bytes

I/O size (minimum/optimal): 512 bytes / 512 bytes

Disklabel type: bsd

Slice	Start	End	Sectors	Size	Type	Fsize	Bsize	Cpg
a	4096	6144	2049	1M	4.2BSD	0	0	0
c	4096							
	20479	16384	8M	unused		0	0	0
d	0	16064	16065	7.9M	unused	0	0	0

Partition table entries are not in disk order.

Command (m for help): Leaving nested disklabel.

Command (m for help):

-----

Changes will remain in memory only, until you decide to write them.

Be careful before using the write command.

Command (m for help): Entering nested BSD disklabel.

Command (m for help):

0	unused	5	4.1BSD	9	4.4LFS	d	boot
1	swap	6	Eighth Edition	a	unknown	e	ADOS
2	Version 6	7	4.2BSD	b	HPFS	f	HFS
3	Version 7	8	MS-DOS	c	ISO-9660	10	AdvFS
4	System V						

Command (m for help):

```
#ifndef UTIL_LINUX_PT_BSD_H
```

```
#define UTIL_LINUX_PT_BSD_H
```

```
#define BSD_MAXPARTITIONS 16
```

```
#define BSD_FS_UNUSED 0
```

```
#ifndef BSD_DISKMAGIC
```

```

#define BSD_DISKMAGIC ((uint32_t) 0x82564557)
#endif

#define BSD_LINUX_BOOTDIR "/usr/ucb/mdec"

#if defined (__alpha__) || defined (__powerpc__) || \
    defined (__ia64__) || defined (__hppa__)
#define BSD_LABELSECTOR 0
#define BSD_LABELOFFSET 64
#else
#define BSD_LABELSECTOR 1
#define BSD_LABELOFFSET 0
#endif

#define BSD_BBSIZE      8192 /* size of boot area, with label */
#define BSD_SBSIZE      8192 /* max size of fs superblock */

struct bsd_disklabel {
    uint32_t d_magic; /* the magic number */
    int16_t d_type; /* drive type */
    int16_t d_subtype; /* controller/d_type specific */
    char d_typename[16]; /* type name, e.g. "eagle" */
    char d_packname[16]; /* pack identifier */

    /* disk geometry: */
    uint32_t d_sectsize; /* # of bytes per sector */
    uint32_t d_nsectors; /* # of data sectors per track */
    uint32_t d_ntracks; /*
# of tracks per cylinder */
    uint32_t d_ncylinders; /* # of data cylinders per unit */
    uint32_t d_sectpercyl; /* # of data sectors per cylinder */
    uint32_t d_secperunit; /* # of data sectors per unit */

    /*
 * Spares (bad sector replacements) below
 * are not counted in d_nsectors or d_sectpercyl.
 * Spare sectors are assumed to be physical sectors
 * which occupy space at the end of each track and/or cylinder.
 */
    uint16_t d_sparespertack; /* # of spare sectors per track */
    uint16_t d_sparespercyl; /* # of spare sectors per cylinder */

    /*
 * Alternate cylinders include maintenance, replacement,
 * configuration description areas, etc.
 */
    uint32_t d_acylinders; /* # of alt. cylinders per unit */

```

```

/* hardware characteristics: */
/*
* d_interleave, d_trackskew and d_cylskew describe perturbations
* in the media format used to compensate for a slow controller.
* Interleave is physical sector interleave, set up by the formatter
* or controller
when formatting. When interleaving is in use,
* logically adjacent sectors are not physically contiguous,
* but instead are separated by some number of sectors.
* It is specified as the ratio of physical sectors traversed
* per logical sector. Thus an interleave of 1:1 implies contiguous
* layout, while 2:1 implies that logical sector 0 is separated
* by one sector from logical sector 1.
* d_trackskew is the offset of sector 0 on track N
* relative to sector 0 on track N-1 on the same cylinder.
* Finally, d_cylskew is the offset of sector 0 on cylinder N
* relative to sector 0 on cylinder N-1.
*/
uint16_t d_rpm; /* rotational speed */
uint16_t d_interleave; /* hardware sector interleave */
uint16_t d_trackskew; /* sector 0 skew, per track */
uint16_t d_cylskew; /* sector 0 skew, per cylinder */
uint32_t d_headswitch; /* head switch time, usec */
uint32_t d_trkseek; /* track-to-track seek, usec */
uint32_t d_flags; /* generic flags */
uint32_t d_drivedata[5]; /*
drive-type specific information */
uint32_t d_spare[5]; /* reserved for future use */
uint32_t d_magic2; /* the magic number (again) */
uint16_t d_checksum; /* xor of data incl. partitions */

/* filesystem and partition information: */
uint16_t d_npartitions; /* number of partitions in following */
uint32_t d_bbsize; /* size of boot area at sn0, bytes */
uint32_t d_sbsize; /* max size of fs superblock, bytes */

struct bsd_partition { /* the partition table */
    uint32_t p_size; /* number of sectors in partition */
    uint32_t p_offset; /* starting sector */
    uint32_t p_fsize; /* filesystem basic fragment size */
    uint8_t p_fstype; /* filesystem type, see below */
    uint8_t p_frag; /* filesystem fragments per block */
    uint16_t p_cpg; /* filesystem cylinders per group */
} __attribute__((packed)) d_partitions[BSD_MAXPARTITIONS]; /* actually may be more */
} __attribute__((packed));

/* d_type values:

```

```

*/
#define BSD_DTYPE_SMD 1 /* SMD, XSMD; VAX hp/up */
#define BSD_DTYPE_MSCP 2 /* MSCP */
#define BSD_DTYPE_DEC 3 /* other DEC (rk, rl) */
#define BSD_DTYPE_SCSI 4 /* SCSI */
#define BSD_DTYPE_ESDI 5 /* ESDI interface */
#define BSD_DTYPE_ST506 6 /* ST506 etc. */
#define BSD_DTYPE_HPIB 7 /* CS/80 on HP-IB */
#define BSD_DTYPE_HPFL 8 /* HP Fiber-link */
#define BSD_DTYPE_FLOPPY 10 /* floppy */

/* d_subtype values: */
#define BSD_DSTYPE_INDOSPART 0x8 /* is inside dos partition */
#define BSD_DSTYPE_DOSPART(s) ((s) & 3) /* dos partition number */
#define BSD_DSTYPE_GEOMETRY 0x10 /* drive params in label */

/*
 * Filesystem type and version.
 * Used to interpret other filesystem-specific
 * per-partition information.
 */
#define BSD_FS_UNUSED 0 /* unused */
#define BSD_FS_SWAP 1 /* swap */
#define BSD_FS_V6 2 /* Sixth Edition */
#define BSD_FS_V7 3 /* Seventh Edition */
#define BSD_FS_SYSV 4 /* System V */
#define BSD_FS_V71K 5 /* V7
with 1K blocks (4.1, 2.9) */
#define BSD_FS_V8 6 /* Eighth Edition, 4K blocks */
#define BSD_FS_BSDFFS 7 /* 4.2BSD fast file system */
#define BSD_FS_BSDLFS 9 /* 4.4BSD log-structured file system */
#define BSD_FS_OTHER 10 /* in use, but unknown/unsupported */
#define BSD_FS_HPFS 11 /* OS/2 high-performance file system */
#define BSD_FS_ISO9660 12 /* ISO-9660 filesystem (cdrom) */
#define BSD_FS_ISOFS BSD_FS_ISO9660
#define BSD_FS_BOOT 13 /* partition contains bootstrap */
#define BSD_FS_ADOS 14 /* AmigaDOS fast file system */
#define BSD_FS_HFS 15 /* Macintosh HFS */
#define BSD_FS_ADVFS 16 /* Digital Unix AdvFS */

/* this is annoying, but it's also the way it is :( */
#ifdef __alpha__
#define BSD_FS_EXT2 8 /* ext2 file system */
#else
#define BSD_FS_MSDOS 8 /* MS-DOS file system */
#endif

/*

```

\* flags shared by various drives:

\*/

#define BSD\_D\_REMOVABLE 0x01 /\* removable media \*/

#define BSD\_D\_ECC 0x02 /\* supports ECC \*/

#define BSD\_D\_BADSECT 0x04 /\* supports  
bad sector forw. \*/

#define BSD\_D\_RAMDISK 0x08 /\* disk emulator \*/

#define BSD\_D\_CHAIN 0x10 /\* can do back-back transfers \*/

#define BSD\_D\_DOSPART 0x20 /\* within MSDOS partition \*/

#endif /\* UTIL\_LINUX\_PT\_BSD\_H \*/

/\*

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# 1.131 x-sys v0.0.0-20190412213103-97732733099d

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## 1.132 protobuf-go v1.20.0

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