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1.2 dh-lua 24

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This is dh-lua, written and maintained by Enrico Tassi
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1.3 go 1.16.7

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1.4 protobuf 1.25.0

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```
* /opt/cola/permits/1212202758_1634074081.68/0/grpc-protobuf-1-25-0-sources-1-
jar/io/grpc/protobuf/ProtoServiceDescriptorSupplier.java
* /opt/cola/permits/1212202758_1634074081.68/0/grpc-protobuf-1-25-0-sources-1-jar/io/grpc/protobuf/package-
info.java
* /opt/cola/permits/1212202758_1634074081.68/0/grpc-protobuf-1-25-0-sources-1-
jar/io/grpc/protobuf/ProtoMethodDescriptorSupplier.java
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* /opt/cola/permits/1212202758_1634074081.68/0/grpc-protobuf-1-25-0-sources-1-
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* /opt/cola/permits/1212202758_1634074081.68/0/grpc-protobuf-1-25-0-sources-1-jar/io/grpc/protobuf/ProtoUtils.java

1.5 mgo 2.0.0-20160801194620-b6121c6199b7

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mgo - MongoDB driver for Go

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1.6 go-codec 1.2.7

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1.7 libwindheimdal 7.5.0+dfsg-1

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Source: <https://github.com/heimdal/heimdal>

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GSS-API mechglue layer.

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@heading Vincent Rijmen, Antoon Bosselaers, Paulo Barreto

AES in libcrypto

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rijndael-alg-fst.c

@version 3.0 (December 2000)

Optimised ANSI C code for the Rijndael cipher (now AES)

@author Vincent Rijmen <vincent.rijmen@esat.kuleuven.ac.be>
@author Antoon Bosselaers <antoon.bosselaers@esat.kuleuven.ac.be>
@author Paulo Barreto <paulo.barreto@terra.com.br>

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DES core in libcrypto

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D3DES (V5.09) -

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Thanks to: Dan Hoey for his excellent Initial and Inverse permutation code; Jim Gillogly & Phil Karn for the DES key schedule code; Dennis Ferguson, Eric Young and Dana How for comparing notes; and Ray Lau, for humouring me on.

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Windows support

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lib/hcrypto/test_dh.c

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1.9 bluesuncorp-validator 8.18.2

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1.10 pborman-uuid 1.2.1

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1.11 viper 1.4.0

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1.12 fsnotify 1.4.9

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1.13 kerberos 1.16-2ubuntu0.2

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lib/libgss/g_verify.c
lib/libgss/gssd_pname_to_uid.c
uts/common/gssapi/include/gssapi_err_generic.h
uts/common/gssapi/include/mechglueP.h

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"src/lib/gssapi", including the following files:

lib/gssapi/generic/gssapi_err_generic.et
lib/gssapi/mechglue/g_accept_sec_context.c
lib/gssapi/mechglue/g_acquire_cred.c
lib/gssapi/mechglue/g_canon_name.c
lib/gssapi/mechglue/g_compare_name.c
lib/gssapi/mechglue/g_context_time.c
lib/gssapi/mechglue/g_delete_sec_context.c
lib/gssapi/mechglue/g_dsp_name.c
lib/gssapi/mechglue/g_dsp_status.c
lib/gssapi/mechglue/g_dup_name.c
lib/gssapi/mechglue/g_exp_sec_context.c
lib/gssapi/mechglue/g_export_name.c
lib/gssapi/mechglue/g_glue.c
lib/gssapi/mechglue/g_imp_name.c
lib/gssapi/mechglue/g_imp_sec_context.c
lib/gssapi/mechglue/g_init_sec_context.c
lib/gssapi/mechglue/g_initialize.c
lib/gssapi/mechglue/g_inquire_context.c
lib/gssapi/mechglue/g_inquire_cred.c
lib/gssapi/mechglue/g_inquire_names.c
lib/gssapi/mechglue/g_process_context.c
lib/gssapi/mechglue/g_rel_buffer.c
lib/gssapi/mechglue/g_rel_cred.c
lib/gssapi/mechglue/g_rel_name.c
lib/gssapi/mechglue/g_rel_oid_set.c
lib/gssapi/mechglue/g_seal.c
lib/gssapi/mechglue/g_sign.c
lib/gssapi/mechglue/g_store_cred.c
lib/gssapi/mechglue/g_unseal.c
lib/gssapi/mechglue/g_userok.c
lib/gssapi/mechglue/g_utils.c
lib/gssapi/mechglue/g_verify.c
lib/gssapi/mechglue/gssd_pname_to_uid.c
lib/gssapi/mechglue/mglueP.h
lib/gssapi/mechglue/oid_ops.c
lib/gssapi/spnego/gssapiP_spnego.h
lib/gssapi/spnego/spnego_mech.c

and the initial implementation of incremental propagation, including
the following new or changed files:

include/iprop_hdr.h

kadmin/server/ipropd_svc.c
lib/kdb/iprop.x
lib/kdb/kdb_convert.c
lib/kdb/kdb_log.c
lib/kdb/kdb_log.h
lib/krb5/error_tables/kdb5_err.et
kprop/kpropd_rpc.c
kprop/kproplog.c

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1.14 golang-protobuf-extensions 1.0.1

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1.16 form3tech-oss-jwt-go 3.2.3+incompatible

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1.17 goprotobuf 1.5.2

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1.18 bytearraypool 1.0.0

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* Tim Martin

* Rob Earhart

* Rob Siemborski

*/

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* Tim Martin
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* Rob Earhart
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* Rob Siemborski
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1.23 lua 5.1.5-8.1build2

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1.24 govaluate 3.0.0

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1.25 etree 1.1.0

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1.26 protobuf 1.28.0

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1.27 mitchellh-mapstructure 1.1.2

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1.28 libgcc-7-dev 7.5.0-3ubuntu1~18.04

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winsup\testsuite\winsup.api\msgtest.c  
winsup\testsuite\winsup.api\semtest.c  
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```
winsup\cygserver\sysv_shm.cc
```

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

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1.29 sse 0.1.0

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1.35 libncurses 6.1-1ubuntu1.18.04

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`-- vile: txtmode file-encoding=utf-8`

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This package was put together by Vaidhyanathan G Mayilrangam `<vaidhy@debian.org>` and Joel Klecker `<espy@debian.org>`, using sources obtained from `ftp://ftp.gnu.org/gnu/ncurses/ncurses-5.0.tar.gz`. Current versions of the `ncurses` sources are found at `ftp://invisible-island.net/ncurses/`.

It is based somewhat on work done by Bruce Perens `<Bruce@Pixar.com>`, David Engel `<david@elo.ods.com>`. Michael Alan Dorman

<mdorman@debian.org>, Richard Braakman <dark@xs4all.nl>, James Troup <jjttroup@comp.brad.ac.uk>, J.H.M. Dassen (Ray) <jdassen@wi.LeidenUniv.nl>, and Galen Hazelwood <galenh@micron.net> over various years.

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-- vile:txtmode fc=72

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Files: progs/tset.c ncurses/tinfo/read_termcap.c

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1.36 safestring 1.0.0

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1.37 spf13-pflag 1.0.5

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1.38 x-text 0.3.7

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1.39 nghttp2 1.30.0-1ubuntu1

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set yrange [0:]

set terminal pngcairo font 'Sans, 8' lw 1 size 1400,1024

set xtics rotate by -45

set style histogram errorbars gap 2 lw 1

set style fill solid border -1

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1.40 libcilkrts 7.5.0-3ubuntu1~18.04

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<signature of Ty Coon>, 1 April 1989
Ty Coon, President of Vice
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Julian Seward, jseward@bzip.org
bzip2/libbzip2 version 1.0.6 of 6 September 2010

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@c man begin SEEALSO

gfdl(7), fsf-funding(7).

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```
winsup\cygserver\sysv_shm.cc
```

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Version 2, June 1991

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1.41 cpp 7.5.0 3ubuntu1~18.04

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Julian Seward, jseward@bzip.org
bzip2/libbzip2 version 1.0.6 of 6 September 2010

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

That's all there is to it!
GCC RUNTIME LIBRARY EXCEPTION

Version 3.1, 31 March 2009

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@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).

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@node Copying

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@center Version 3, 29 June 2007

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Version 3, 29 June 2007

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1.42 go-playground-locales 0.14.0

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1.43 rcrowley-go-metrics 0.0.0-

20181016184325-3113b8401b8a

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Files-Excluded: doc/doxyout

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AES in libcrypto

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rijndael-alg-fst.c

@version 3.0 (December 2000)

Optimised ANSI C code for the Rijndael cipher (now AES)

@author Vincent Rijmen <vincent.rijmen@esat.kuleuven.ac.be>

@author Antoon Bosselaers <antoon.bosselaers@esat.kuleuven.ac.be>

@author Paulo Barreto <paulo.barreto@terra.com.br>

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

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#+STARTUP: showall

* DNS resolver (dirmngr/dns.c)

dns.c - Recursive, Reentrant DNS Resolver.

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1.48 kerberos 1.16

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cmd/krb5/ipropl/ipropl_hdr.h
cmd/krb5/kadmin/server/ipropl_svc.c
cmd/krb5/kproplog/kproplog.c
cmd/krb5/slave/kpropd_rpc.c
lib/gss_mechs/mech_krb5/et/kdb5_err.c
lib/gss_mechs/mech_spnego/mech_gssapiP_spnego.h
lib/gss_mechs/mech_spnego/mech_spnego_mech.c
lib/krb5/kadm5/kadm_host_srv_names.c
lib/krb5/kdb/kdb_convert.c
lib/krb5/kdb/kdb_hdr.h
lib/krb5/kdb/kdb_log.c
lib/krb5/kdb/kdb_log.h
lib/libgss/g_accept_sec_context.c
lib/libgss/g_acquire_cred.c
lib/libgss/g_canon_name.c
lib/libgss/g_compare_name.c
lib/libgss/g_context_time.c
```

lib/libgss/g_delete_sec_context.c
lib/libgss/g_dsp_name.c
lib/libgss/g_dsp_status.c
lib/libgss/g_dup_name.c
lib/libgss/g_exp_sec_context.c
lib/libgss/g_export_name.c
lib/libgss/g_glue.c
lib/libgss/g_imp_name.c
lib/libgss/g_imp_sec_context.c
lib/libgss/g_init_sec_context.c
lib/libgss/g_initialize.c
lib/libgss/g_inquire_context.c
lib/libgss/g_inquire_cred.c
lib/libgss/g_inquire_names.c
lib/libgss/g_process_context.c
lib/libgss/g_rel_buffer.c
lib/libgss/g_rel_cred.c
lib/libgss/g_rel_name.c
lib/libgss/g_rel_oid_set.c
lib/libgss/g_seal.c
lib/libgss/g_sign.c
lib/libgss/g_store_cred.c
lib/libgss/g_unseal.c
lib/libgss/g_userok.c
lib/libgss/g_utils.c
lib/libgss/g_verify.c
lib/libgss/gssd_pname_to_uid.c
uts/common/gssapi/include/gssapi_err_generic.h
uts/common/gssapi/include/mechglueP.h

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```
<!DOCTYPE html PUBLIC "-//W3C//DTD XHTML 1.0 Transitional//EN"
"http://www.w3.org/TR/xhtml1/DTD/xhtml1-transitional.dtd">
```

```
<html xmlns="http://www.w3.org/1999/xhtml">
<head>
  <meta http-equiv="Content-Type" content="text/html; charset=utf-8" />
  <title>MIT Kerberos License information &#8212; MIT Kerberos Documentation</title>
  <link rel="stylesheet" href="_static/agogo.css" type="text/css" />
  <link rel="stylesheet" href="_static/pygments.css" type="text/css" />
  <link rel="stylesheet" href="_static/kerb.css" type="text/css" />
  <script type="text/javascript">
    var DOCUMENTATION_OPTIONS = {
      URL_ROOT:    '.',
      VERSION:    '1.17',
      COLLAPSE_INDEX: false,
      FILE_SUFFIX: '.html',
      HAS_SOURCE:  true,
      SOURCELINK_SUFFIX: '.txt'
    };
  </script>
  <script type="text/javascript" src="_static/jquery.js"></script>
  <script type="text/javascript" src="_static/underscore.js"></script>
  <script type="text/javascript" src="_static/doctools.js"></script>
  <link rel="author" title="About these documents" href="about.html" />
  <link rel="index" title="Index" href="genindex.html" />
  <link rel="search" title="Search" href="search.html" />
  <link rel="copyright" title="Copyright" href="copyright.html" />
  <link rel="next" title="Copyright" href="copyright.html" />
  <link rel="prev" title="MIT Kerberos features" href="mitK5features.html" />
</head>
<body>
  <div class="header-wrapper">
    <div class="header">

      <h1><a href="index.html">MIT Kerberos Documentation</a></h1>

      <div class="rel">

        <a href="index.html" title="Full Table of Contents"
          accesskey="C">Contents</a> |
        <a href="mitK5features.html" title="MIT Kerberos features"
          accesskey="P">previous</a> |
```

```

<a href="copyright.html" title="Copyright"
  accesskey="N">next</a> |
<a href="genindex.html" title="General Index"
  accesskey="I">index</a> |
<a href="search.html" title="Enter search criteria"
  accesskey="S">Search</a> |
<a href="mailto:krb5-bugs@mit.edu?subject=Documentation__MIT Kerberos License
information">feedback</a>
  </div>
</div>
</div>

<div class="content-wrapper">
<div class="content">
  <div class="document">

<div class="documentwrapper">
  <div class="bodywrapper">
    <div class="body" role="main">

<div class="section" id="mit-kerberos-license-information">
<span id="mitk5license"></span><h1>MIT Kerberos License information<a class="headerlink" href="#mit-
kerberos-license-information" title="Permalink to this headline"></a></h1>
<div class="toctree-wrapper compound">
</div>
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<code class="docutils literal">src/lib/gssapi</code>, including the following files:</p>

<div class="highlight-default"><div class="highlight"><pre>lib<span

class="o">gssapi<span

class="n">genericgssapi_err_generic<span

class="o">et

libgssapi<span

class="o">mechglue<span

class="n">g_accept_sec_contextc

libgssapi<span

class="o">mechglue<span

class="n">g_acquire_credc

libgssapi<span

class="o">mechglue<span

class="n">g_canon_namec

libgssapi<span

class="o">mechglue<span

class="n">g_compare_namec

libgssapi<span

class="o">mechglue<span

class="n">g_context_timec

libgssapi<span

class="o">mechglue<span

class="n">g_delete_sec_contextc

libgssapi<span

class="o">mechglue<span

class="n">g_dsp_namec

libgssapi<span

class="o">mechglue<span

class="n">g_dsp_statusc

libgssapi<span


```
class="n">kdb_log</span><span class="o">.</span><span class="n">c</span>
<span class="n">lib</span><span class="o">.</span><span class="n">kdb</span><span class="o">.</span><span class="n">kdb_log</span><span class="o">.</span><span class="n">h</span>
<span class="n">lib</span><span class="o">.</span><span class="n">krb5</span><span class="o">.</span><span class="n">error_tables</span><span class="o">.</span><span class="n">kdb5_err</span><span class="o">.</span><span class="n">et</span>
<span class="n">kprop</span><span class="o">.</span><span class="n">kpropd_rpc</span><span class="o">.</span><span class="n">c</span>
<span class="n">kprop</span><span class="o">.</span><span class="n">kproplog</span><span class="o">.</span><span class="n">c</span>
</pre></div>
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.. parsed-literal::

```
lib/gssapi/generic/gssapi_err_generic.et  
lib/gssapi/mechglue/g_accept_sec_context.c  
lib/gssapi/mechglue/g_acquire_cred.c  
lib/gssapi/mechglue/g_canon_name.c  
lib/gssapi/mechglue/g_compare_name.c  
lib/gssapi/mechglue/g_context_time.c  
lib/gssapi/mechglue/g_delete_sec_context.c  
lib/gssapi/mechglue/g_dsp_name.c  
lib/gssapi/mechglue/g_dsp_status.c  
lib/gssapi/mechglue/g_dup_name.c  
lib/gssapi/mechglue/g_exp_sec_context.c  
lib/gssapi/mechglue/g_export_name.c  
lib/gssapi/mechglue/g_glue.c  
lib/gssapi/mechglue/g_imp_name.c  
lib/gssapi/mechglue/g_imp_sec_context.c  
lib/gssapi/mechglue/g_init_sec_context.c  
lib/gssapi/mechglue/g_initialize.c  
lib/gssapi/mechglue/g_inquire_context.c  
lib/gssapi/mechglue/g_inquire_cred.c  
lib/gssapi/mechglue/g_inquire_names.c  
lib/gssapi/mechglue/g_process_context.c  
lib/gssapi/mechglue/g_rel_buffer.c  
lib/gssapi/mechglue/g_rel_cred.c  
lib/gssapi/mechglue/g_rel_name.c  
lib/gssapi/mechglue/g_rel_oid_set.c  
lib/gssapi/mechglue/g_seal.c  
lib/gssapi/mechglue/g_sign.c  
lib/gssapi/mechglue/g_store_cred.c  
lib/gssapi/mechglue/g_unseal.c  
lib/gssapi/mechglue/g_userok.c  
lib/gssapi/mechglue/g_utils.c  
lib/gssapi/mechglue/g_verify.c  
lib/gssapi/mechglue/gssd_pname_to_uid.c  
lib/gssapi/mechglue/mglueP.h  
lib/gssapi/mechglue/oid_ops.c  
lib/gssapi/spnego/gssapiP_spnego.h  
lib/gssapi/spnego/spnego_mech.c
```

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the following new or changed files:

.. parsed-literal::

```
include/ipropr_hdr.h
kadmin/server/ipropr_svc.c
lib/kdb/ipropr.x
lib/kdb/kdb_convert.c
lib/kdb/kdb_log.c
lib/kdb/kdb_log.h
lib/krb5/error_tables/kdb5_err.et
kprop/kpropd_rpc.c
kprop/kproplog.c
```

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```
/* -*- mode: c; c-basic-offset: 4; indent-tabs-mode: nil -*- */
/*
```

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"http://www.w3.org/TR/xhtml1/DTD/xhtml1-transitional.dtd">
```

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<html xmlns="http://www.w3.org/1999/xhtml">
<head>
 <meta http-equiv="Content-Type" content="text/html; charset=utf-8" />
 <title>Copyright — MIT Kerberos Documentation</title>
 <link rel="stylesheet" href="_static/agogo.css" type="text/css" />
 <link rel="stylesheet" href="_static/pygments.css" type="text/css" />
 <link rel="stylesheet" href="_static/kerb.css" type="text/css" />
 <script type="text/javascript">
 var DOCUMENTATION_OPTIONS = {
 URL_ROOT: './',
 VERSION: '1.17',
 COLLAPSE_INDEX: false,
 FILE_SUFFIX: '.html',
 HAS_SOURCE: true,
 SOURCELINK_SUFFIX: '.txt'
 };
 </script>
 <script type="text/javascript" src="_static/jquery.js"></script>
 <script type="text/javascript" src="_static/underscore.js"></script>
 <script type="text/javascript" src="_static/doctools.js"></script>
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```

```

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</head>
<body>
<div class="header-wrapper">
 <div class="header">

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 <div class="rel">

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 accesskey="C">Contents |
 <a href="mitK5license.html" title="MIT Kerberos License information"
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 <a href="build_this.html" title="How to build this documentation from the source"
 accesskey="N">next |
 <a href="genindex.html" title="General Index"
 accesskey="I">index |
 <a href="search.html" title="Enter search criteria"
 accesskey="S">Search |
 feedback
 </div>
 </div>
</div>

<div class="content-wrapper">
 <div class="content">
 <div class="document">

 <div class="documentwrapper">
 <div class="bodywrapper">
 <div class="body" role="main">

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 </div>

 </div>
 </div>
 </div>
 </div>
 </div>
</div>

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 <div class="sidebar">
 <h2>On this page</h2>

 Copyright

 <h2>Table of contents</h2>

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 <li class="toctree-l1">For plugin module
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 <li class="toctree-l1">Building Kerberos V5
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 <input type="text" name="q" size="18" />
 <input type="submit" value="Go" />
 <input type="hidden" name="check_keywords" value="yes" />
 <input type="hidden" name="area" value="default" />
 </form>
 </div>
 <div class="clearer"></div>
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 <div class="footer-wrapper">
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 <div class="right" ><i>Release: 1.17</i>

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 <div class="left">

 <a href="index.html" title="Full Table of Contents"
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>previous |
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"src/lib/gssapi", including the following files:

lib/gssapi/generic/gssapi\_err\_generic.et  
lib/gssapi/mechglue/g\_accept\_sec\_context.c  
lib/gssapi/mechglue/g\_acquire\_cred.c  
lib/gssapi/mechglue/g\_canon\_name.c  
lib/gssapi/mechglue/g\_compare\_name.c  
lib/gssapi/mechglue/g\_context\_time.c  
lib/gssapi/mechglue/g\_delete\_sec\_context.c

lib/gssapi/mechglue/g\_dsp\_name.c  
lib/gssapi/mechglue/g\_dsp\_status.c  
lib/gssapi/mechglue/g\_dup\_name.c  
lib/gssapi/mechglue/g\_exp\_sec\_context.c  
lib/gssapi/mechglue/g\_export\_name.c  
lib/gssapi/mechglue/g\_glue.c  
lib/gssapi/mechglue/g\_imp\_name.c  
lib/gssapi/mechglue/g\_imp\_sec\_context.c  
lib/gssapi/mechglue/g\_init\_sec\_context.c  
lib/gssapi/mechglue/g\_initialize.c  
lib/gssapi/mechglue/g\_inquire\_context.c  
lib/gssapi/mechglue/g\_inquire\_cred.c  
lib/gssapi/mechglue/g\_inquire\_names.c  
lib/gssapi/mechglue/g\_process\_context.c  
lib/gssapi/mechglue/g\_rel\_buffer.c  
lib/gssapi/mechglue/g\_rel\_cred.c  
lib/gssapi/mechglue/g\_rel\_name.c  
lib/gssapi/mechglue/g\_rel\_oid\_set.c  
lib/gssapi/mechglue/g\_seal.c  
lib/gssapi/mechglue/g\_sign.c  
lib/gssapi/mechglue/g\_store\_cred.c  
lib/gssapi/mechglue/g\_unseal.c  
lib/gssapi/mechglue/g\_userok.c  
lib/gssapi/mechglue/g\_utils.c  
lib/gssapi/mechglue/g\_verify.c  
lib/gssapi/mechglue/gssd\_pname\_to\_uid.c  
lib/gssapi/mechglue/mglueP.h  
lib/gssapi/mechglue/oid\_ops.c  
lib/gssapi/spnego/gssapiP\_spnego.h  
lib/gssapi/spnego/spnego\_mech.c

and the initial implementation of incremental propagation, including the following new or changed files:

include/ipropr\_hdr.h  
kadmin/server/ipropr\_svc.c  
lib/kdb/ipropr.x  
lib/kdb/kdb\_convert.c  
lib/kdb/kdb\_log.c  
lib/kdb/kdb\_log.h  
lib/krb5/error\_tables/kdb5\_err.et  
kprop/kpropd\_rpc.c  
kprop/kproplog.c

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import sys
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 print '%s: %d: %s' % (fname, ln + 1, msg)

def indicates_license(line):
 return 'Copyright' in line or 'COPYRIGHT' in line or 'License' in line

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is a license statement.
def check_comment(comment, fname, ln, code_seen, nonlicense_seen):
 text_seen = False
 is_license = False
 for line in comment:
 if not is_license and indicates_license(line):
 is_license = True
 if text_seen:
 warn(fname, ln, 'License begins after first line of comment')
 elif code_seen:
 warn(fname, ln, 'License after code')
 elif nonlicense_seen:
 warn(fname, ln, 'License after non-license comments')
 break
 # DB2 licenses start with '/*-' and we don't want to change them.
 if line != " and line != '-':
 text_seen = True
 return is_license

def check_file(lines, fname):
 # Skip emacs mode line if present.
 ln = 0
 if ' -*- mode: c;' in lines[ln]:
 ln += 1

 # Check filename comment if present.
 m = re.match(r'^* ([^]*)(- .*)? */', lines[ln])

```

```

if m:
 if m.group(1) != fname:
 warn(fname, ln, 'Wrong filename in comment')
 ln += 1

Scan for license statements.
in_comment = False
code_seen = False
nonlicense_seen = False
for line in lines[ln:]:
 # Strip out whitespace and comments contained within a line.
 if not in_comment:
 line = re.sub(r'\s*.*?\s*/', '', line)
 line = line.strip()

 if not in_comment and '/' in line:
 (line, sep, comment_part) = line.partition('/')
 comment = [comment_part.strip()]
 comment_starts_at = ln
 in_comment = True
 elif in_comment and '/' not in line:
 comment.append(line.lstrip('*').rstrip())
 elif in_comment:
 (comment_part, sep, line) = line.partition('/')
 comment.append(comment_part.strip())
 is_license = check_comment(comment, fname, comment_starts_at,
 code_seen, nonlicense_seen)
 nonlicense_seen = nonlicense_seen or not is_license
 in_comment = False
 elif line.strip() != "":
 code_seen = True

 ln += 1

for fname in sys.argv[1:]:
 if fname.startswith('./'):
 fname = fname[2:]
 f = open(fname)
 lines = f.readlines()
 f.close()
 check_file(lines, fname)
.. _mitK5license:

MIT Kerberos License information
=====

.. toctree::
 :hidden:

```



copyright.rst

```
.. include:: notice.rst
```

Copyright

```
=====
```

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```
/* -*- mode: c; c-basic-offset: 4; indent-tabs-mode: nil -*- */
/*
```

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```
*/
```

## 1.49 nwaples-tacplus 0.0.3

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## 1.50 libpsl 0.19.1-5build1

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Upstream-Name: libpsl

Source: <https://github.com/rockdaboot/libpsl>

Files: \*

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Files: debian/\*

Copyright: 2014-2016 Daniel Kahn Gillmor

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Files: src/psl-make-dafsa src/lookup\_string\_in\_fixed\_set.c

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Julian Seward, jseward@bzip.org  
bzip2/libbzip2 version 1.0.6 of 6 September 2010

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c) Accompany the work with a written offer, valid for at least three years, to give the same user the materials specified in Subsection 6a, above, for a charge no more than the cost of performing this distribution.

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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.

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

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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.

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@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".

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@enumerate a

@item

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@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

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@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

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@end enumerate

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```
winsup\testsuite\winsup.api\msgtest.c
winsup\testsuite\winsup.api\semtest.c
winsup\testsuite\winsup.api\shmtest.c
```

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```
winsup\cygserver\sysv_shm.cc
```

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Version 3.1, 31 March 2009

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Version 2, June 1991

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Otherwise, if the work is a derivative of the Library, you may distribute the object code for the work under the terms of Section 6. Any executables containing that work also fall under Section 6, whether or not they are linked directly with the Library itself.

6. As an exception to the Sections above, you may also compile or link a "work that uses the Library" with the Library to produce a work containing portions of the Library, and distribute that work under terms of your choice, provided that the terms permit modification of the work for the customer's own use and reverse engineering for debugging such modifications.

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- b. Accompany the work with a written offer, valid for at least three years, to give the same user the materials specified in Subsection 6a, above, for a charge no more than the cost of performing this distribution.
- c. If distribution of the work is made by offering access to copy from a designated place, offer equivalent access to copy the above specified materials from the same place.
- d. Verify that the user has already received a copy of these materials or that you have already sent this user a copy.

For an executable, the required form of the "work that uses the Library" must include any data and utility programs needed for reproducing the executable from it. However, as a special exception, the 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.



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

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When a "work that uses the Library" uses material from a header file that is part of the Library, the object code for the work may be a derivative work of the Library even though the source code is not. Whether this is true is especially significant if the work can be linked without the Library, or if the work is itself a library. The threshold for this to be true is not precisely defined by law.

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

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</appendix>

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/\* Definitions for BSD assembler syntax for Intel 386  
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adapted to BSD conventions for symbol names and debugging.)  
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```

/* Use the Sequent Symmetry assembler syntax. */

/* Define the syntax of pseudo-ops, labels and comments. */

/* Prefix for internally generated assembler labels. If we aren't using
underscores, we are using prefix `.'s to identify labels that should
be ignored, as in `i386/gas.h' --karl@cs.umb.edu */

#define LPREFIX "L"

/* Assembler pseudos to introduce constants of various size. */

#define ASM_BYTE "\t.byte\t"
#define ASM_SHORT "\t.word\t"
#define ASM_LONG "\t.long\t"
#define ASM_QUAD "\t.quad\t" /* Should not be used for 32bit compilation. */

/* This was suggested, but it shouldn't be right for DBX output. -- RMS
#define ASM_OUTPUT_SOURCE_FILENAME(FILE, NAME) */

/* Define the syntax of labels and symbol definitions/declarations. */

/* This is how to output an assembler line
that says to advance the location counter by SIZE bytes. */

#define ASM_OUTPUT_SKIP(FILE,SIZE) \
fprintf (FILE, "\t.space " HOST_WIDE_INT_PRINT_UNSIGNED"\n", (SIZE))

/* Define the syntax of labels and symbol definitions/declarations. */

/* This says how to output an assembler line
to define a global common symbol. */

#define ASM_OUTPUT_COMMON(FILE, NAME, SIZE, ROUNDED) \
(fputs (".comm ", (FILE)), \
assemble_name ((FILE), (NAME)), \
fprintf ((FILE), "%u\n", (int)(ROUNDED)))

/* This says how to output an assembler line
to define a local common symbol. */

#define ASM_OUTPUT_LOCAL(FILE, NAME, SIZE, ROUNDED) \
(fputs (".lcomm ", (FILE)), \
assemble_name ((FILE), (NAME)), \
fprintf ((FILE), "%u\n", (int)(ROUNDED)))

```

```

#ifdef HAVE_GAS_LCOMM_WITH_ALIGNMENT
#define ASM_OUTPUT_ALIGNED_LOCAL(FILE, NAME, SIZE, ALIGNMENT) \
(fputs (".lcomm ", (FILE)), \
assemble_name ((FILE), (NAME)), \
fprintf ((FILE), "%u,%u\n", (int)(SIZE), (int)(ALIGNMENT) / BITS_PER_UNIT))
#endif

/* This is how to output an assembler line
that says to advance the location counter
to a multiple of 2**LOG bytes. */

#define ASM_OUTPUT_ALIGN(FILE,LOG) \
if ((LOG)!=0) fprintf ((FILE), "\t.align %d\n", (LOG))

/* This is how to store into the string BUF
the symbol_ref name of an internal numbered label where
PREFIX is the class of label and NUM is the number within the class.
This is suitable for output with `assemble_name'. */

#define ASM_GENERATE_INTERNAL_LABEL(BUF,PREFIX,NUMBER) \
sprintf ((BUF), "%s%ld", (PREFIX), (long)(NUMBER))

/* The prefix to add to user-visible assembler symbols. */

#define USER_LABEL_PREFIX "_"

/* Sequent has some changes in the format of DBX symbols. */
#define DBX_NO_XREFS 1

/* Don't split DBX symbols into continuations. */
#define DBX_CONTIN_LENGTH 0

```

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@c Set file name and title for man page.

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```
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Most GNU software, including some libraries, is covered by the ordinary GNU General Public License. This license, the GNU Lesser General Public License, applies to certain designated libraries, and is quite different from the ordinary General Public License. We use this license for certain libraries in order to permit linking those libraries into non-free programs.

When a program is linked with a library, whether statically or using a shared library, the combination of the two is legally speaking a combined work, a derivative of the original library. The ordinary General Public License therefore permits such linking only if the entire combination fits its criteria of freedom. The Lesser General Public License permits more lax criteria for linking other code with the library.

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

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



case, there is little to gain by limiting the free library to free software only, so we use the Lesser General Public License.

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

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

The precise terms and conditions for copying, distribution and modification follow. Pay close attention to the difference between a "work based on the library" and a "work that uses the library". The former contains code derived from the library, whereas the latter must be combined with the library in order to run.

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0. This License Agreement applies to any software library or other program which contains a notice placed by the copyright holder or other authorized party saying it may be distributed under the terms of this Lesser General Public License (also called "this License"). Each licensee is addressed as "you".

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

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

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

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

1. You may copy and distribute verbatim copies of the Library's complete 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 distribute a copy of this License along with the Library.

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 Library or any portion of it, thus forming a work based on the Library, 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) The modified work must itself be a software library.
- b) You must cause the files modified to carry prominent notices stating that you changed the files and the date of any change.
- c) You must cause the whole of the work to be licensed at no charge to all third parties under the terms of this License.
- d) If a facility in the modified Library refers to a function or a table of data to be supplied by an application program that uses the facility, other than as an argument passed when the facility is invoked, then you must make a good faith effort to ensure that, in the event an application does not supply such function or table, the facility still operates, and performs whatever part of its purpose remains meaningful.

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

These requirements apply to the modified work as a whole. If identifiable sections of that work are not derived from the Library, and can be reasonably considered independent and separate works in themselves, then this License, and its terms, do not apply to those sections when you distribute them as separate works. But when you distribute the same sections as part of a whole which is a work based on the Library, the distribution of the whole must be on the terms of this License, whose permissions for other licensees extend to the entire whole, and thus to each and every part regardless of who wrote it.

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

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

3. You may opt to apply the terms of the ordinary GNU General Public License instead of this License to a given copy of the Library. To do this, you must alter all the notices that refer to this License, so that they refer to the ordinary GNU General Public License, version 2, instead of to this License. (If a newer version than version 2 of the ordinary GNU General Public License has appeared, then you can specify that version instead if you wish.) Do not make any other change in these notices.

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

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

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

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

compelled to copy the source along with the object code.

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

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

When a "work that uses the Library" uses material from a header file that is part of the Library, the object code for the work may be a derivative work of the Library even though the source code is not. Whether this is true is especially significant if the work can be linked without the Library, or if the work is itself a library. The threshold for this to be true is not precisely defined by law.

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

Otherwise, if the work is a derivative of the Library, you may distribute the object code for the work under the terms of Section 6. Any executables containing that work also fall under Section 6, whether or not they are linked directly with the Library itself.

6. As an exception to the Sections above, you may also combine or link a "work that uses the Library" with the Library to produce a work containing portions of the Library, and distribute that work under terms of your choice, provided that the terms permit modification of the work for the customer's own use and reverse engineering for debugging such modifications.

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

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

b) Use a suitable shared library mechanism for linking with the Library. A suitable mechanism is one that (1) uses at run time a copy of the library already present on the user's computer system, rather than copying library functions into the executable, and (2) will operate properly with a modified version of the library, if the user installs one, as long as the modified version is interface-compatible with the version that the work was made with.

c) Accompany the work with a written offer, valid for at least three years, to give the same user the materials specified in Subsection 6a, above, for a charge no more than the cost of performing this distribution.

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

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

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

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

7. You may place library facilities that are a work based on the

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

- a) Accompany the combined library with a copy of the same work based on the Library, uncombined with any other library facilities. This must be distributed under the terms of the Sections above.
- b) Give prominent notice with the combined library of the fact that part of it is a work based on the Library, and explaining where to find the accompanying uncombined form of the same work.

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## END OF TERMS AND CONDITIONS

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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.

```
<one line to give the library's name and a brief idea of what it does.>
Copyright (C) <year> <name of author>
```

```
This library is free software; you can redistribute it and/or
modify it under the terms of the GNU Lesser General Public
```



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

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

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

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

That's all there is to it!

```
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 <acronym>GNU</acronym> General Public License version 3
</title></info>
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<para>
 Version 3, 29 June 2007
```

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</para>
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<para>
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<http://www.fsf.org/>

```
</para>
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```
<para>
```

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```
</para>
```

```
<bridgehead xml:id="gpl-3-preamble" renderas="sect1">
```

Preamble

```
</bridgehead>
```

```
<para>
```

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</para>

<para>

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</para>

<para>

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.

</para>

<para>

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.

</para>

<para>

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.

</para>

<para>

Developers that use the <acronym>GNU</acronym> <acronym>GPL</acronym> 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.

</para>

<para>

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

</para>

<para>

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 <acronym>GPL</acronym> 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 <acronym>GPL</acronym>, as needed to protect the freedom of users.

</para>

<para>

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 <acronym>GPL</acronym> assures that patents cannot be used to render the program non-free.

</para>

<para>

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

</para>

<bridgehead>

TERMS AND CONDITIONS

</bridgehead>

<bridgehead xml:id="gpl-3-definitions" renderas="sect1">

0. Definitions.

</bridgehead>

<para>

This License refers to version 3 of the <acronym>GNU</acronym> General Public License.

</para>

<para>

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

</para>

<para>

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.

</para>

<para>

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.

</para>

<para>

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

</para>

<para>

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.

</para>

<para>

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.

</para>

<para>

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.

</para>

<bridgehead xml:id="SourceCode" renderas="sect1">

1. Source Code.

</bridgehead>

<para>

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.

</para>

<para>

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.

</para>

<para>

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.

</para>

<para>

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 works 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.

</para>

<para>

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

</para>

<para>

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

</para>

<bridgehead xml:id="BasicPermissions" renderas="sect1">

2. Basic Permissions.

</bridgehead>

<para>

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.

</para>

<para>

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.

</para>

<para>

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

</para>

<bridgehead xml:id="Protecting" renderas="sect1">

3. Protecting Users Legal Rights From Anti-Circumvention Law.

</bridgehead>

<para>

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.

</para>

<para>

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 works users, your or third parties legal rights to forbid circumvention of technological measures.

</para>

<bridgehead xml:id="ConveyingVerbatim" renderas="sect1">

4. Conveying Verbatim Copies.

</bridgehead>

<para>

You may convey verbatim copies of the Programs 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.

</para>

<para>

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.

</para>

<bridgehead xml:id="ConveyingModified" renderas="sect1">

5. Conveying Modified Source Versions.

</bridgehead>

<para>

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:

```
</para>
<orderedlist numeration="loweralpha" inheritnum="ignore" continuation="restarts">
 <listitem>
 <para>
 The work must carry prominent notices stating that you modified it, and
 giving a relevant date.
 </para>
 </listitem>
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 <para>
 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.
 </para>
 </listitem>
 <listitem>
 <para>
 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.
 </para>
 </listitem>
 <listitem>
 <para>
 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.
 </para>
 </listitem>
</orderedlist>
<para>
 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
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 or legal rights of the compilations 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.
</para>
<bridgehead xml:id="ConveyingNonSource" renderas="sect1">
 6. Conveying Non-Source Forms.
```

</bridgehead>

<para>

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:

</para>

<orderedlist numeration="loweralpha" inheritnum="ignore" continuation="restarts">

<listitem>

<para>

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.

</para>

</listitem>

<listitem>

<para>

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.

</para>

</listitem>

<listitem>

<para>

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.

</para>

</listitem>

<listitem>

<para>

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.

</para>

</listitem>

<listitem>

<para>

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.

</para>

</listitem>

</orderedlist>

<para>

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.

</para>

<para>

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.

</para>

<para>

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.

</para>

<para>

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

<acronym>ROM</acronym>).

</para>

<para>

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.

</para>

<para>

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.

</para>

<bridgehead xml:id="AdditionalTerms" renderas="sect1">

7. Additional Terms.

</bridgehead>

<para>

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</para>

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</para>

<orderedlist numeration="loweralpha" inheritnum="ignore" continuation="restarts">

<listitem>

<para>

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</para>

</listitem>

<listitem>

<para>

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</para>

</listitem>

<listitem>

<para>

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</para>

</listitem>

<listitem>

<para>

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</para>

</listitem>

<listitem>

<para>

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</para>

</listitem>

<listitem>

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</listitem>

</orderedlist>

<para>

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</para>

<para>

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</para>

<para>

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</para>

<bridgehead xml:id="gpl-3-termination" renderas="sect1">

8. Termination.

</bridgehead>

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</para>

<para>

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</para>

<para>

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</para>

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</para>

<bridgehead xml:id="AcceptanceNotRequired" renderas="sect1">

## 9. Acceptance Not Required for Having Copies.

</bridgehead>

<para>

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</para>

<bridgehead xml:id="AutomaticDownstream" renderas="sect1">

## 10. Automatic Licensing of Downstream Recipients.

</bridgehead>

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</para>

<para>

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</para>

<bridgehead xml:id="Patents" renderas="sect1">

## 11. Patents.

</bridgehead>

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</para>

<para>

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</para>

<bridgehead xml:id="NoSurrender" renderas="sect1">

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</bridgehead>

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</para>

<bridgehead xml:id="UsedWithAGPL" renderas="sect1">

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</bridgehead>

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</para>

<bridgehead xml:id="RevisedVersions" renderas="sect1">

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</bridgehead>

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</para>

<para>

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</para>

<bridgehead xml:id="WarrantyDisclaimer" renderas="sect1">

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</bridgehead>

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</para>

<bridgehead xml:id="LiabilityLimitation" renderas="sect1">

#### 16. Limitation of Liability.

</bridgehead>

<para>



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</para>

<bridgehead xml:id="InterpretationSecs1516" renderas="sect1">

17. Interpretation of Sections 15 and 16.

</bridgehead>

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</para>

<bridgehead>

END OF TERMS AND CONDITIONS

</bridgehead>

<bridgehead xml:id="HowToApply" renderas="sect1">

How to Apply These Terms to Your New Programs

</bridgehead>

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</para>

<para>

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</para>

<screen>

<replaceable>one line to give the programs name and a brief idea of what it does.</replaceable>

Copyright (C) <replaceable>year</replaceable> <replaceable>name of author</replaceable>

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You should have received a copy of the <acronym>GNU</acronym> General Public License  
along with this program. If not, see <link xmlns:xlink="http://www.w3.org/1999/xlink"  
xlink:href="http://www.gnu.org/licenses/">http://www.gnu.org/licenses/</link>.

</screen>

<para>

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

</para>

<para>

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

</para>

<screen>

<replaceable>program</replaceable> Copyright (C) <replaceable>year</replaceable> <replaceable>name of  
author</replaceable>

This program comes with ABSOLUTELY NO WARRANTY; for details type <literal>show w</literal>.

This is free software, and you are welcome to redistribute it  
under certain conditions; type <literal>show c</literal> for details.

</screen>

<para>

The hypothetical commands <literal>show w</literal> and  
<literal>show c</literal> should show the appropriate parts of  
the General Public License. Of course, your programs commands might be  
different; for a GUI interface, you would use an about box.

</para>

<para>

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  
<acronym>GNU</acronym> <acronym>GPL</acronym>, see  
<link xmlns:xlink="http://www.w3.org/1999/xlink"  
xlink:href="http://www.gnu.org/licenses/">http://www.gnu.org/licenses/</link>.

</para>

<para>

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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 <acronym>GNU</acronym> Lesser General Public License instead of this  
License. But first, please read <link xmlns:xlink="http://www.w3.org/1999/xlink"  
xlink:href="http://www.gnu.org/philosophy/why-not-lgpl.html">http://www.gnu.org/philosophy/why-not-  
lgpl.html</link>.

</para>

</appendix>

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```
winsup\testsuite\winsup.api\msgtest.c
winsup\testsuite\winsup.api\semtest.c
winsup\testsuite\winsup.api\shmttest.c
```

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winsup\cygserver\sysv\_shm.cc

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GCC RUNTIME LIBRARY EXCEPTION

Version 3.1, 31 March 2009

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The "Compilation Process" transforms code entirely represented in non-intermediate languages designed for human-written code, and/or in Java Virtual Machine byte code, into Target Code. Thus, for example, use of source code generators and preprocessors need not be considered part of the Compilation Process, since the Compilation Process can be understood as starting with the output of the generators or preprocessors.

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```
<?xml version="1.0" encoding="UTF-8"?>
```

```
<!DOCTYPE article PUBLIC "-//OASIS//DTD DocBook V4.5//EN"
```

"http://www.oasis-open.org/docbook/xml/4.5/docbookx.dtd">

<!-- faq-copyright.xml -->

<qandadiv id="faq.copyright">

<title>Copyright</title>

<qandaentry id="faq.what.copyright">

<question><para>What are the copyrights?</para></question>

<answer>

<para>Please see <ulink url="http://cygwin.com/licensing.html"/>

for more information about Cygwin copyright and licensing.</para>

</answer>

</qandaentry>

</qandadiv>

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=====

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Developed by:

LLVM Team

University of Illinois at Urbana-Champaign

<http://llvm.org>

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```

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```

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Julian Seward, [jseward@bzip.org](mailto:jseward@bzip.org)  
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title="Chapter1.Status" /><link rel="prev" href="status.html" title="Chapter1.Status" /><link rel="next"
href="bugs.html" title="Bugs" /></head><body><div class="navheader"><table width="100%"
summary="Navigation header"><tr><th colspan="3" align="center">License</th></tr><tr><td width="20%"
align="left">Prev</td><th width="60%"
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align="center">Chapter1.Status</th><td width="20%" align="right"><a accesskey="n" href="bugs.html">Next</a></td></tr></table><hr /></div><div class="section"><div class="titlepage"><div><div><h2 class="title" style="clear: both"><a id="manual.intro.status.license"></a>License</h2></div></div></div><p>

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@end display

@enumerate 0

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@c Local Variables:

@c ispell-local-pdict: "ispell-dict"

@c End:

```

.\" Automatically generated by Pod::Man 2.27 (Pod::Simple 3.28)
.\"
.\" Standard preamble:
.\" =====
.de Sp \" Vertical space (when we can't use .PP)
.if t .sp .5v
.if n .sp
..
.de Vb \" Begin verbatim text
.ft CW
.nf
.ne \\$1
..
.de Ve \" End verbatim text
.ft R
.fi
..
.\" Set up some character translations and predefined strings. *(-- will
.\" give an unbreakable dash, *(PI will give pi, *(L\" will give a left
.\" double quote, and *(R\" will give a right double quote. *(C+ will
.\" give a nicer C++. Capital omega is used to do unbreakable dashes and
.\" therefore won't be available. *(C` and *(C' expand to ` in nroff,
.\" nothing in troff, for use with C<>.
.tr *(W-
.ds C+ C\v'-.1v'h'-1p's-2+h'-1p'+\s0\v'.1v'h'-1p'
.ie n {\
. ds -- *(W-
. ds PI pi
. if (\n(.H=4u)&(1m=24u) .ds -- *(W'h'-12u'*(W'h'-12u'-\" diablo 10 pitch
. if (\n(.H=4u)&(1m=20u) .ds -- *(W'h'-12u'*(W'h'-8u'-\" diablo 12 pitch
. ds L\" ""
. ds R\" ""
. ds C` ""
. ds C' ""
'br\}
.el{\
. ds -- \\\(em\
. ds PI *(p
. ds L\" ``
. ds R\" "
. ds C`
. ds C'
'br\}
.\"
.\" Escape single quotes in literal strings from groff's Unicode transform.
.ie \n(.g .ds Aq \(\a
.el .ds Aq '
.\"

```



```

.\" If the F register is turned on, we'll generate index entries on stderr for
.\" titles (.TH), headers (.SH), subsections (.SS), items (.Ip), and index
.\" entries marked with X<> in POD. Of course, you'll have to process the
.\" output yourself in some meaningful fashion.
.\"
.\" Avoid warning from groff about undefined register 'F'.
.de IX
..
.nr rF 0
.if \n(.g .if rF .nr rF 1
.if (\n(rF:(\n(.g==0)) \{
. if \nF \{
. de IX
. tm Index:\$1\t\n%t"\$2"
..
. if !\nF==2 \{
. nr % 0
. nr F 2
. \}
. \}
.\}
.rr rF
.\"
.\" Accent mark definitions (@(#)ms.acc 1.5 88/02/08 SMI; from UCB 4.2).
.\" Fear. Run. Save yourself. No user-serviceable parts.
. \" fudge factors for nroff and troff
.if n \{
. ds #H 0
. ds #V .8m
. ds #F .3m
. ds #[\f1
. ds #] \fP
.\}
.if t \{
. ds #H ((1u-(\\n(.fu%2u)).13m)
. ds #V .6m
. ds #F 0
. ds #[\&
. ds #] \&
.\}
. \" simple accents for nroff and troff
.if n \{
. ds ' \&
. ds ` \&
. ds ^ \&
. ds , \&
. ds ~ ~
. ds /

```

```

.\}
.if t \{\
. ds ' \k:h'-(\n(.wu*8/10-*(#H)^\h''\n:u"
. ds ` \k:h'-(\n(.wu*8/10-*(#H)^\h''\n:u'
. ds ^ \k:h'-(\n(.wu*10/11-*(#H)^\h''\n:u'
. ds , \k:h'-(\n(.wu*8/10)',h''\n:u'
. ds ~ \k:h'-(\n(.wu-*(#H-.1m)~\h''\n:u'
. ds / \k:h'-(\n(.wu*8/10-*(#H)\z(\sl'h''\n:u'
.\}
. \ " troff and (daisy-wheel) nroff accents
.ds : \k:h'-(\n(.wu*8/10-*(#H+.1m+*(#F)\v'-*(#V)\z.\h'.2m+*(#F'.\h''\n:u\v'*(#V'
.ds 8 \h''*(#H'(*b)h'-*(#H'
.ds o \k:h'-(\n(.wu+|w'\(de'u-*(#H)/2u\v'-.3n''*(#[z|(de\v'.3n'h''\n:u''*(#)
.ds d- \h''*(#H'(\pd|h'-\w'~\u\v'-.25m^f2(\hy|fP\v'.25m^h'-*(#H'
.ds D- D\k:h'-\w'D'u\v'-.11m^z(\hy\v'.11m^h''\n:u'
.ds th *(#[v'.3m^s+1I\s-1\v'-.3m^h'-(\w'Iu*2/3)\s-1o\s+1*(#)
.ds Th *(#[s+2I\s-2|h'-\w'Iu*3/5\v'-.3m'o\v'.3m''*(#)
.ds ae a|h'-(\w'a'u*4/10)'e
.ds Ae A|h'-(\w'A'u*4/10)'E
. \ " corrections for vroff
.if v .ds ~ \k:h'-(\n(.wu*9/10-*(#H)\s-2\u~\d\s+2h''\n:u'
.if v .ds ^ \k:h'-(\n(.wu*10/11-*(#H)\v'-.4m^v'.4m^h''\n:u'
. \ " for low resolution devices (crt and lpr)
.if \n(.H>23 .if \n(.V>19 \
\{\
. ds : e
. ds 8 ss
. ds o a
. ds d- d|h'-1^\(ga
. ds D- D|h'-1^\(hy
. ds th \o'bp'
. ds Th \o'LP'
. ds ae ae
. ds Ae AE
.\}
.rm #[#] #H #V #F C
.\" =====
.\"
.IX Title "GPL 7"
.TH GPL 7 "2018-12-06" "gcc-7.4.0" "GNU"
.\" For nroff, turn off justification. Always turn off hyphenation; it makes
.\" way too many mistakes in technical documents.
.if n .ad l
.nh
.SH "NAME"
gpl \- GNU General Public License
.SH "DESCRIPTION"
.IX Header "DESCRIPTION"

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.IP "0. Definitions." 4

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.Sp

To \\*(L"propagate\\*(R" a work means to do anything with it that, without

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.Sp

An interactive user interface displays \\*(L"Appropriate Legal Notices\\*(R" 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.

.IP "1. Source Code." 4

.IX Item "1. Source Code."

The \\*(L"source code\\*(R" for a work means the preferred form of the work for making modifications to it. \\*(L"Object code\\*(R" means any non-source form of a work.

.Sp

A \\*(L"Standard Interface\\*(R" 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.

.Sp

The \\*(L"System Libraries\\*(R" 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 \&\\*(L"Major Component\\*(R", 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.

.Sp

The \\*(L"Corresponding Source\\*(R" 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.

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

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

.IP "2. Basic Permissions." 4

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.IP "3. Protecting Users' Legal Rights From Anti-Circumvention Law." 4

.IX Item "3. Protecting Users' Legal Rights From Anti-Circumvention Law."

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.IP "5. Conveying Modified Source Versions." 4

.IX Item "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:

.RS 4

.IP "a." 4

.IX Item "a."

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

.IP "b." 4

.IX Item "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 \\*(L"keep intact all notices\\*(R".

.IP "c." 4

.IX Item "c."

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.IP "d." 4

.IX Item "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.

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.RS 4

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.RE

.IP "6. Conveying Non-Source Forms." 4

.IX Item "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:

.RS 4

.IP "a." 4

.IX Item "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.

.IP "b." 4

.IX Item "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.

.IP "c." 4

.IX Item "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.

.IP "d." 4

.IX Item "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.

.IP "e." 4

.IX Item "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.

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.RS 4

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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.

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A \\*(L"User Product\\*(R" is either (1) a \\*(L"consumer product\\*(R", 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, \&\\*(L"normally used\\*(R" 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.

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\&\\*(L"Installation Information\\*(R" 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.

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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).

.Sp

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.RE

.IP "7. Additional Terms." 4

.IX Item "7. Additional Terms."

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.RS 4

.IP "a." 4

.IX Item "a."

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.IX Item "b."

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.IX Item "c."

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.RS 4

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.IP "17. Interpretation of Sections 15 and 16." 4

.IX Item "17. Interpretation of Sections 15 and 16."

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.SS "\s-1END OF TERMS AND CONDITIONS\s0"

.IX Subsection "END OF TERMS AND CONDITIONS"

.SS "How to Apply These Terms to Your New Programs"

.IX Subsection "How to Apply These Terms to Your New Programs"

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.PP

.Vb 2

\& <one line to give the program\\*(Aqs name and a brief idea of what it does.>

\& Copyright (C) <year> <name of author>

\&

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.Ve

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

.PP

If the program does terminal interaction, make it output a short



notice like this when it starts in an interactive mode:

.PP

.Vb 4

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\& This program comes with ABSOLUTELY NO WARRANTY; for details type "show w".

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.Ve

.PP

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.PP

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```
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iconv (Charset Conversion Library) v2.0

(28) Artem Bityuckiy (--enable-newlib-iconv)

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at Electronni Visti IA, Kiev, Ukraine.  
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```
#!/usr/bin/python
#
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#
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so that they have the form:
#
Copyright XXXX-YYYY Free Software Foundation, Inc.
#
It doesn't change code that is known to be maintained elsewhere or
that carries a non-FSF copyright.
#
The script also doesn't change testsuite files, except those in
libstdc++-v3. This is because libstdc++-v3 has a conformance testsuite,
while most tests in other directories are just things that failed at some
point in the past.
#
Pass --this-year to the script if you want it to add the current year
to all applicable notices. Pass --quilt if you are using quilt and
want files to be added to the quilt before being changed.
#
By default the script will update all directories for which the
output has been vetted. You can instead pass the names of individual
directories, including those that haven't been approved. So:
#
update-copyright.py --this-year
#
is the command that would be used at the beginning of a year to update
all copyright notices (and possibly at other times to check whether
new files have been added with old years). On the other hand:
#
update-copyright.py --this-year libitm
#
would run the script on just libitm/.
#
Note that things like --version output strings must be updated before
this script is run. There's already a separate procedure for that.

import os
import re
import sys
import time
import subprocess
```

```

class Errors:
 def __init__(self):
 self.num_errors = 0

 def report (self, filename, string):
 if filename:
 string = filename + ': ' + string
 sys.stderr.write (string + '\n')
 self.num_errors += 1

 def ok (self):
 return self.num_errors == 0

```

```

class GenericFilter:
 def __init__(self):
 self.skip_files = set()
 self.skip_dirs = set()
 self.skip_extensions = set()
 self.fossilised_files = set()
 self.own_files = set()

 self.skip_files |= set ([
 # Skip licence files.
 'COPYING',
 'COPYING.LIB',
 'COPYING3',
 'COPYING3.LIB',
 'LICENSE',
 'fdl.texi',
 'gpl_v3.texi',
 'fdl-1.3.xml',
 'gpl-3.0.xml',

 # Skip auto- and libtool-related files
 'aclocal.m4',
 'compile',
 'config.guess',
 'config.sub',
 'depcomp',
 'install-sh',
 'libtool.m4',
 'ltmain.sh',
 'ltoptions.m4',
 'ltsugar.m4',
 'ltversion.m4',
 'lt~obsolete.m4',
 'missing',

```

```

'mkdep',
'mkinstalldirs',
'move-if-change',
'shlibpath.m4',
'symlink-tree',
'ylwrap',

Skip FSF mission statement, etc.
'gnu.texi',
'funding.texi',
'appendix_free.xml',

Skip imported texinfo files.
'texinfo.tex',
])

def get_line_filter (self, dir, filename):
 if filename.startswith ('ChangeLog'):
 # Ignore references to copyright in changelog entries.
 return re.compile ('\t')

 return None

def skip_file (self, dir, filename):
 if filename in self.skip_files:
 return True

 (base, extension) = os.path.splitext (os.path.join (dir, filename))
 if extension in self.skip_extensions:
 return True

 if extension == '.in':
 # Skip .in files produced by automake.
 if os.path.exists (base + '.am'):
 return True

 # Skip files produced by autogen
 if (os.path.exists (base + '.def')
 and os.path.exists (base + '.tpl')):
 return True

 # Skip configure files produced by autoconf
 if filename == 'configure':
 if os.path.exists (base + '.ac'):
 return True

 if os.path.exists (base + '.in'):
 return True

```



```

return False

def skip_dir (self, dir, subdir):
 return subdir in self.skip_dirs

def is_fossilised_file (self, dir, filename):
 if filename in self.fossilised_files:
 return True
 # Only touch current current ChangeLogs.
 if filename != 'ChangeLog' and filename.find ('ChangeLog') >= 0:
 return True
 return False

def by_package_author (self, dir, filename):
 return filename in self.own_files

class Copyright:
 def __init__ (self, errors):
 self.errors = errors

 # Characters in a range of years. Include '.' for typos.
 ranges = '[0-9](?:[-0-9.,\s]|\s+and\s+)*[0-9]'

 # Non-whitespace characters in a copyright holder's name.
 name = '[\w.,-]'

 # Matches one year.
 self.year_re = re.compile ('[0-9]+')

 # Matches part of a year or copyright holder.
 self.continuation_re = re.compile (ranges + '|' + name)

 # Matches a full copyright notice:
 self.copyright_re = re.compile (
 # 1: 'Copyright (C)', etc.
 '[Cc]opyright'
 '|[Cc]opyright\s+\([Cc]\)'
 '|[Cc]opyright\s+%s'
 '|[Cc]opyright\s+©'
 '|[Cc]opyright\s+@copyright{ }'
 '|copyright = u\"
 '@set\s+copyright[\w-]+)'

 # 2: the years. Include the whitespace in the year, so that
 # we can remove any excess.
 '\s*(?:' + ranges + ',?'
 '@value\{[^\}]*\})\s*')

```

```

3: 'by ', if used
'(by\s+)?'

4: the copyright holder. Don't allow multiple consecutive
spaces, so that right-margin gloss doesn't get caught
(e.g. gnat_ugn.texi).
>(' + name + '(?:\s? + name + ')*?)

A regexp for notices that might have slipped by. Just matching
'copyright' is too noisy, and 'copyright.*[0-9]' falls foul of
HTML header markers, so check for 'copyright' and two digits.
self.other_copyright_re = re.compile('copyright.*[0-9][0-9]',
 re.IGNORECASE)
self.comment_re = re.compile('#+[*]+;+|%+//+|@c |dnl ')
self.holders = { '@copying': '@copying' }
self.holder_prefixes = set()

True to 'quilt add' files before changing them.
self.use_quilt = False

If set, force all notices to include this year.
self.max_year = None

Goes after the year(s). Could be ', '.
self.separator = ' '

def add_package_author (self, holder, canon_form = None):
 if not canon_form:
 canon_form = holder
 self.holders[holder] = canon_form
 index = holder.find (' ')
 while index >= 0:
 self.holder_prefixes.add (holder[:index])
 index = holder.find (' ', index + 1)

def add_external_author (self, holder):
 self.holders[holder] = None

class BadYear():
 def __init__ (self, year):
 self.year = year

 def __str__ (self):
 return 'unrecognised year: ' + self.year

def parse_year (self, string):
 year = int (string)

```

```

if len (string) == 2:
 if year > 70:
 return year + 1900
elif len (string) == 4:
 return year
raise self.BadYear (string)

def year_range (self, years):
 year_list = [self.parse_year (year)
 for year in self.year_re.findall (years)]
 assert len (year_list) > 0
 return (min (year_list), max (year_list))

def set_use_quilt (self, use_quilt):
 self.use_quilt = use_quilt

def include_year (self, year):
 assert not self.max_year
 self.max_year = year

def canonicalise_years (self, dir, filename, filter, years):
 # Leave texinfo variables alone.
 if years.startswith ('@value'):
 return years

 (min_year, max_year) = self.year_range (years)

 # Update the upper bound, if enabled.
 if self.max_year and not filter.is_fossilised_file (dir, filename):
 max_year = max (max_year, self.max_year)

 # Use a range.
 if min_year == max_year:
 return '%d' % min_year
 else:
 return '%d-%d' % (min_year, max_year)

def strip_continuation (self, line):
 line = line.lstrip()
 match = self.comment_re.match (line)
 if match:
 line = line[match.end():].lstrip()
 return line

def is_complete (self, match):
 holder = match.group (4)
 return (holder
 and (holder not in self.holder_prefixes)

```

```
 or holder in self.holders))
```

```
def update_copyright (self, dir, filename, filter, file, line, match):
 orig_line = line
 next_line = None
 pathname = os.path.join (dir, filename)

 intro = match.group (1)
 if intro.startswith ('@set'):
 # Texinfo year variables should always be on one line
 after_years = line[match.end (2):].strip()
 if after_years != "":
 self.errors.report (pathname,
 'trailing characters in @set: '
 + after_years)
 return (False, orig_line, next_line)
 else:
 # If it looks like the copyright is incomplete, add the next line.
 while not self.is_complete (match):
 try:
 next_line = file.next()
 except StopIteration:
 break

 # If the next line doesn't look like a proper continuation,
 # assume that what we've got is complete.
 continuation = self.strip_continuation (next_line)
 if not self.continuation_re.match (continuation):
 break

 # Merge the lines for matching purposes.
 orig_line += next_line
 line = line.rstrip() + ' ' + continuation
 next_line = None

 # Rematch with the longer line, at the original position.
 match = self.copyright_re.match (line, match.start())
 assert match

 holder = match.group (4)

 # Use the filter to test cases where markup is getting in the way.
 if filter.by_package_author (dir, filename):
 assert holder not in self.holders

 elif not holder:
 self.errors.report (pathname, 'missing copyright holder')
 return (False, orig_line, next_line)
```

```

elif holder not in self.holders:
 self.errors.report (pathname,
 'unrecognised copyright holder: ' + holder)
 return (False, orig_line, next_line)

else:
 # See whether the copyright is associated with the package
 # author.
 canon_form = self.holders[holder]
 if not canon_form:
 return (False, orig_line, next_line)

 # Make sure the author is given in a consistent way.
 line = (line[:match.start (4)]
 + canon_form
 + line[match.end (4):])

 # Remove any 'by'
 line = line[:match.start (3)] + line[match.end (3):]

Update the copyright years.
years = match.group (2).strip()
try:
 canon_form = self.canonicalise_years (dir, filename, filter, years)
except self.BadYear as e:
 self.errors.report (pathname, str (e))
 return (False, orig_line, next_line)

line = (line[:match.start (2)]
 + (" if intro.startswith ('copyright = ') else ' ')
 + canon_form + self.separator
 + line[match.end (2):])

Use the standard (C) form.
if intro.endswith ('right'):
 intro += ' (C)'
elif intro.endswith ('(c)'):
 intro = intro[:-3] + '(C)'
line = line[:match.start (1)] + intro + line[match.end (1):]

Strip trailing whitespace
line = line.rstrip() + '\n'

return (line != orig_line, line, next_line)

def process_file (self, dir, filename, filter):
 pathname = os.path.join (dir, filename)

```

```

if filename.endswith ('.tmp'):
 # Looks like something we tried to create before.
 try:
 os.remove (pathname)
 except OSError:
 pass
 return

lines = []
changed = False
line_filter = filter.get_line_filter (dir, filename)
mode = None
with open (pathname, 'r') as file:
 prev = None
 mode = os.fstat (file.fileno()).st_mode
 for line in file:
 while line:
 next_line = None
 # Leave filtered-out lines alone.
 if not (line_filter and line_filter.match (line)):
 match = self.copyright_re.search (line)
 if match:
 res = self.update_copyright (dir, filename, filter,
 file, line, match)
 (this_changed, line, next_line) = res
 changed = changed or this_changed

 # Check for copyright lines that might have slipped by.
 elif self.other_copyright_re.search (line):
 self.errors.report (pathname,
 'unrecognised copyright: %s'
 % line.strip())
 lines.append (line)
 line = next_line

If something changed, write the new file out.
if changed and self.errors.ok():
 tmp_pathname = pathname + '.tmp'
 with open (tmp_pathname, 'w') as file:
 for line in lines:
 file.write (line)
 os.fchmod (file.fileno(), mode)
 if self.use_quilt:
 subprocess.call (['quilt', 'add', pathname])
 os.rename (tmp_pathname, pathname)

def process_tree (self, tree, filter):
 for (dir, subdirs, filenames) in os.walk (tree):

```

```

Don't recurse through directories that should be skipped.
for i in xrange (len (subdirs) - 1, -1, -1):
 if filter.skip_dir (dir, subdirs[i]):
 del subdirs[i]

Handle the files in this directory.
for filename in filenames:
 if filter.skip_file (dir, filename):
 sys.stdout.write ('Skipping %s\n'
 % os.path.join (dir, filename))
 else:
 self.process_file (dir, filename, filter)

class CmdLine:
 def __init__ (self, copyright = Copyright):
 self.errors = Errors()
 self.copyright = copyright (self.errors)
 self.dirs = []
 self.default_dirs = []
 self.chosen_dirs = []
 self.option_handlers = dict()
 self.option_help = []

 self.add_option ('--help', 'Print this help', self.o_help)
 self.add_option ('--quilt', '"quilt add" files before changing them',
 self.o_quilt)
 self.add_option ('--this-year', 'Add the current year to every notice',
 self.o_this_year)

 def add_option (self, name, help, handler):
 self.option_help.append ((name, help))
 self.option_handlers[name] = handler

 def add_dir (self, dir, filter = GenericFilter()):
 self.dirs.append ((dir, filter))

 def o_help (self, option = None):
 sys.stdout.write ('Usage: %s [options] dir1 dir2...\n\n'
 'Options:\n' % sys.argv[0])
 format = '%-15s %s\n'
 for (what, help) in self.option_help:
 sys.stdout.write (format % (what, help))
 sys.stdout.write ('\nDirectories:\n')

 format = '%-25s'
 i = 0
 for (dir, filter) in self.dirs:
 i += 1

```

```

 if i % 3 == 0 or i == len (self.dirs):
 sys.stdout.write (dir + '\n')
 else:
 sys.stdout.write (format % dir)
sys.exit (0)

def o_quilt (self, option):
 self.copyright.set_use_quilt (True)

def o_this_year (self, option):
 self.copyright.include_year (time.localtime().tm_year)

def main (self):
 for arg in sys.argv[1:]:
 if arg[:1] != '-':
 self.chosen_dirs.append (arg)
 elif arg in self.option_handlers:
 self.option_handlers[arg] (arg)
 else:
 self.errors.report (None, 'unrecognised option: ' + arg)
 if self.errors.ok():
 if len (self.chosen_dirs) == 0:
 self.chosen_dirs = self.default_dirs
 if len (self.chosen_dirs) == 0:
 self.o_help()
 else:
 for chosen_dir in self.chosen_dirs:
 canon_dir = os.path.join (chosen_dir, "")
 count = 0
 for (dir, filter) in self.dirs:
 if (dir + os.sep).startswith (canon_dir):
 count += 1
 self.copyright.process_tree (dir, filter)
 if count == 0:
 self.errors.report (None, 'unrecognised directory: '
 + chosen_dir)
 sys.exit (0 if self.errors.ok() else 1)

```

#-----

```

class TopLevelFilter (GenericFilter):
 def skip_dir (self, dir, subdir):
 return True

class ConfigFilter (GenericFilter):
 def __init__ (self):
 GenericFilter.__init__ (self)

```



```

def skip_file (self, dir, filename):
 if filename.endswith ('.m4'):
 pathname = os.path.join (dir, filename)
 with open (pathname) as file:
 # Skip files imported from gettext.
 if file.readline().find ('gettext-') >= 0:
 return True
 return GenericFilter.skip_file (self, dir, filename)

class GCCFilter (GenericFilter):
 def __init__ (self):
 GenericFilter.__init__ (self)

 self.skip_files |= set ([
 # Not part of GCC
 'math-68881.h',
])

 self.skip_dirs |= set ([
 # Better not create a merge nightmare for the GNAT folks.
 'ada',

 # Handled separately.
 'testsuite',
])

 self.skip_extensions |= set ([
 # Maintained by the translation project.
 '.po',

 # Automatically-generated.
 '.pot',
])

 self.fossilised_files |= set ([
 # Old news won't be updated.
 'ONEWS',
])

class TestsuiteFilter (GenericFilter):
 def __init__ (self):
 GenericFilter.__init__ (self)

 self.skip_extensions |= set ([
 # Don't change the tests, which could be woened by anyone.
 '.c',
 '.C',
 '.cc',

```

```
'h',
'hs',
'f',
'f90',
'go',
'inc',
'java',
)
```

```
def skip_file (self, dir, filename):
 # g++.niklas/README contains historical copyright information
 # and isn't updated.
 if filename == 'README' and os.path.basename (dir) == 'g++.niklas':
 return True
 # Similarly params/README.
 if filename == 'README' and os.path.basename (dir) == 'params':
 return True
 return GenericFilter.skip_file (self, dir, filename)
```

```
class LibCppFilter (GenericFilter):
 def __init__ (self):
 GenericFilter.__init__ (self)

 self.skip_extensions |= set ([
 # Maintained by the translation project.
 '.po',

 # Automatically-generated.
 '.pot',
])
```

```
class LibGCCFilter (GenericFilter):
 def __init__ (self):
 GenericFilter.__init__ (self)

 self.skip_dirs |= set ([
 # Imported from GLIBC.
 'soft-fp',
])
```

```
class LibStdCxxFilter (GenericFilter):
 def __init__ (self):
 GenericFilter.__init__ (self)

 self.skip_files |= set ([
 # Contains no copyright of its own, but quotes the GPL.
 'intro.xml',
])
```

```

self.skip_dirs |= set ([
 # Contains automatically-generated sources.
 'html',

 # The testsuite data files shouldn't be changed.
 'data',

 # Contains imported images
 'images',
])

self.own_files |= set ([
 # Contains markup around the copyright owner.
 'spine.xml',
])

def get_line_filter (self, dir, filename):
 if filename == 'boost_concept_check.h':
 return re.compile ('// \ (C\) Copyright Jeremy Siek')
 return GenericFilter.get_line_filter (self, dir, filename)

class GCCCopyright (Copyright):
 def __init__ (self, errors):
 Copyright.__init__ (self, errors)

 canon_fsf = 'Free Software Foundation, Inc.'
 self.add_package_author ('Free Software Foundation', canon_fsf)
 self.add_package_author ('Free Software Foundation.', canon_fsf)
 self.add_package_author ('Free Software Foundation Inc.', canon_fsf)
 self.add_package_author ('Free Software Foundation, Inc', canon_fsf)
 self.add_package_author ('Free Software Foundation, Inc.', canon_fsf)
 self.add_package_author ('The Free Software Foundation', canon_fsf)
 self.add_package_author ('The Free Software Foundation, Inc.', canon_fsf)
 self.add_package_author ('Software Foundation, Inc.', canon_fsf)

 self.add_external_author ('ARM')
 self.add_external_author ('AdaCore')
 self.add_external_author ('Ami Tavory and Vladimir Dreizin, IBM-HRL.')
 self.add_external_author ('Cavium Networks.')
 self.add_external_author ('Faraday Technology Corp.')
 self.add_external_author ('Florida State University')
 self.add_external_author ('Greg Colvin and Beman Dawes.')
 self.add_external_author ('Hewlett-Packard Company')
 self.add_external_author ('Intel Corporation')
 self.add_external_author ('Information Technology Industry Council.')
 self.add_external_author ('James Theiler, Brian Gough')
 self.add_external_author ('Makoto Matsumoto and Takuji Nishimura,')

```

```

self.add_external_author ('National Research Council of Canada.')
self.add_external_author ('NVIDIA Corporation')
self.add_external_author ('Peter Dimov and Multi Media Ltd.')
self.add_external_author ('Peter Dimov')
self.add_external_author ('Pipeline Associates, Inc.')
self.add_external_author ('Regents of the University of California.')
self.add_external_author ('Silicon Graphics Computer Systems, Inc.')
self.add_external_author ('Silicon Graphics')
self.add_external_author ('Stephen L. Moshier')
self.add_external_author ('Sun Microsystems, Inc. All rights reserved.')
self.add_external_author ('The Go Authors. All rights reserved.')
self.add_external_author ('The Go Authors. All rights reserved.')
self.add_external_author ('The Go Authors.')
self.add_external_author ('The Regents of the University of California.')
self.add_external_author ('Unicode, Inc.')
self.add_external_author ('University of Toronto.')

```

```

class GCCCmdLine (CmdLine):

```

```

 def __init__ (self):
 CmdLine.__init__ (self, GCCCopyright)

 self.add_dir ('.', TopLevelFilter())
 # Boehm-gc is imported from upstream.
 self.add_dir ('config', ConfigFilter())
 # contrib isn't really part of GCC.
 self.add_dir ('fixincludes')
 self.add_dir ('gcc', GCCFilter())
 self.add_dir (os.path.join ('gcc', 'testsuite'), TestsuiteFilter())
 self.add_dir ('gnattools')
 self.add_dir ('gotools')
 self.add_dir ('include')
 # intl is imported from upstream.
 self.add_dir ('libada')
 self.add_dir ('libatomic')
 self.add_dir ('libbacktrace')
 self.add_dir ('libcc1')
 # libcilkrts is imported from upstream.
 self.add_dir ('libcpp', LibCppFilter())
 self.add_dir ('libdecnumber')
 # libffi is imported from upstream.
 self.add_dir ('libgcc', LibGCCFilter())
 self.add_dir ('libgfortran')
 # libgo is imported from upstream.
 self.add_dir ('libgomp')
 self.add_dir ('libhsail-rt')
 self.add_dir ('libiberty')
 self.add_dir ('libitm')
 self.add_dir ('libobjc')

```

```
liboffloadmic is imported from upstream.
self.add_dir('libquadmath')
libsanitizer is imported from upstream.
self.add_dir('libssp')
self.add_dir('libstdc++-v3', LibStdCxxFilter())
self.add_dir('libvtv')
self.add_dir('lto-plugin')
maintainer-scripts maintainer-scripts
zlib is imported from upstream.

self.default_dirs = [
 'gcc',
 'include',
 'libada',
 'libatomic',
 'libbacktrace',
 'libcc1',
 'libcpp',
 'libdecnumber',
 'libgcc',
 'libgfortran',
 'libgomp',
 'libhsail-rt',
 'libiberty',
 'libitm',
 'libobjc',
 'libssp',
 'libstdc++-v3',
 'libvtv',
 'lto-plugin',
]
```

```
GCCCmdLine().main()
```

## 1.54 go-playground-universal-translator

### 0.18.0

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## 1.56 github.com/mendsley/gojwk 0.0.0-20141217222730-4d5ec6e58103

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## 1.57 luarocks 2.4.2+dfsg-1

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## 1.65 mpplib 1.1.0 1

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Version 3, 29 June 2007

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@end macro
```

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@end macro
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@macro copyrightend{ }
@end macro
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@heading Vincent Rijmen, Antoon Bosselaers, Paulo Barreto

AES in libhcrypto

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rijndael-alg-fst.c

@version 3.0 (December 2000)

Optimised ANSI C code for the Rijndael cipher (now AES)

@author Vincent Rijmen <vincent.rijmen@esat.kuleuven.ac.be>

@author Antoon Bosselaers <antoon.bosselaers@esat.kuleuven.ac.be>

@author Paulo Barreto <paulo.barreto@terra.com.br>

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DES core in libcrypto

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D3DES (V5.09) -

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Thanks to: Dan Hoey for his excellent Initial and Inverse permutation code; Jim Gillogly & Phil Karn for the DES key schedule code; Dennis Ferguson, Eric Young and Dana How for comparing notes; and Ray Lau, for humouring me on.

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Windows support

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lib/hcrypto/test\_dh.c

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

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

These requirements apply to the modified work as a whole. If identifiable sections of that work are not derived from the Library, and can be reasonably considered independent and separate works in themselves, then this License, and its terms, do not apply to those sections when you distribute them as separate works. But when you distribute the same sections as part of a whole which is a work based on the Library, the distribution of the whole must be on the terms of this License, whose permissions for other licensees extend to the entire whole, and thus to each and every part regardless of who wrote it.

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

collective works based on the Library.

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

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

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

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

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

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

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

When a "work that uses the Library" uses material from a header file that is part of the Library, the object code for the work may be a derivative work of the Library even though the source code is not. Whether this is true is especially significant if the work can be linked without the Library, or if the work is itself a library. The threshold for this to be true is not precisely defined by law.

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

Otherwise, if the work is a derivative of the Library, you may distribute the object code for the work under the terms of Section 6. Any executables containing that work also fall under Section 6, whether or not they are linked directly with the Library itself.

6. As an exception to the Sections above, you may also combine or link a "work that uses the Library" with the Library to produce a work containing portions of the Library, and distribute that work under terms of your choice, provided that the terms permit modification of the work for the customer's own use and reverse engineering for debugging such modifications.

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

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

b) Use a suitable shared library mechanism for linking with the Library. A suitable mechanism is one that (1) uses at run time a



copy of the library already present on the user's computer system, rather than copying library functions into the executable, and (2) will operate properly with a modified version of the library, if the user installs one, as long as the modified version is interface-compatible with the version that the work was made with.

c) Accompany the work with a written offer, valid for at least three years, to give the same user the materials specified in Subsection 6a, above, for a charge no more than the cost of performing this distribution.

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

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

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

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

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

@heading TERMS AND CONDITIONS

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

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@item

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@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

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@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

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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

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```
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```

```
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```

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underneath the "Written by" line would be adequate.

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\*\*\*\*\*

Version 2, June 1991

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[This is the first released version of the library GPL. It is  
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### Preamble

=====

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iconv (Charset Conversion Library) v2.0

(28) Artem Bityuckiy (--enable-newlib-iconv)

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-----

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---

The original unzip source code has been extensively modified and almost entirely rewritten (changes include random zipfile access rather than sequential; replacement of unimplode() with explode(); replacement of old unshrink() with new (unrelated) unshrink(); replacement of output routines; addition of inflate(), wildcards, filename-mapping, text translation, ...; etc.). As far as we can tell, only the core code of the unreduce method remained substantially similar to Mr. Smith's original source. As of UnZip 5.42, the complete core code is now covered by the Info-ZIP Licence. Therefore, support for the reduce method has been removed.

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```
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*
* A collection of File Manager and related routines
*
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\*  
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\*  
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\* -----  
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"He says that he thought that whoever contacted him understood that he has no objection to the Info-ZIP group's inclusion of his code. His primary concern is that it remain freely distributable, he said."

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The decompression core code for the deflate method (inflate.[ch], explode.c) was originally written by Mark Adler who submitted it as public domain code.

-----

## 1.79 crewjam-saml 0.4.6

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Upstream-Name: heimdal

Upstream-Contact: heimdal@h5l.org

Source: <https://github.com/heimdal/heimdal>

Files-Excluded: doc/doxyout

lib/wind/rfc3490.txt

lib/wind/rfc3491.txt

lib/wind/rfc4013.txt

lib/wind/rfc4518.txt

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```

```
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@vskip 20pt plus 1fil
@end macro
```

```
@macro copyrightstart{ }
@end macro
```

```
@macro copyrightend{ }
@end macro
```

```
@node Copyrights and Licenses, , Acknowledgments, Top
@comment node-name, next, previous, up
@appendix Copyrights and Licenses
```

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@verbatim
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Fortuna in libhcrypto

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@heading Vincent Rijmen, Antoon Bosselaers, Paulo Barreto

AES in libcrypto

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rijndael-alg-fst.c

@version 3.0 (December 2000)

Optimised ANSI C code for the Rijndael cipher (now AES)

@author Vincent Rijmen <vincent.rijmen@esat.kuleuven.ac.be>

@author Antoon Bosselaers <antoon.bosselaers@esat.kuleuven.ac.be>

@author Paulo Barreto <paulo.barreto@terra.com.br>

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DES core in libhcrypto

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D3DES (V5.09) -

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Thanks to: Dan Hoey for his excellent Initial and Inverse permutation code; Jim Gillogly & Phil Karn for the DES key schedule code; Dennis Ferguson, Eric Young and Dana How for comparing notes; and Ray Lau, for humouring me on.

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Windows support

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AES in libcrypto

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rijndael-alg-fst.c

@version 3.0 (December 2000)

Optimised ANSI C code for the Rijndael cipher (now AES)

@author Vincent Rijmen <vincent.rijmen@esat.kuleuven.ac.be>

@author Antoon Bosselaers <antoon.bosselaers@esat.kuleuven.ac.be>

@author Paulo Barreto <paulo.barreto@terra.com.br>

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kdc/announce.c

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DES core in libcrypto

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D3DES (V5.09) -

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lib/hcrypto/test\_dh.c

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That's all there is to it!  
DRuntime: Runtime Library for the D Programming Language

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Written By David Vinayak Henkel-Wallace, June 1992

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Version 3.1, 31 March 2009

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## 1.109 mendsley-gojwk 0.0.0-20141217222730-4d5ec6e58103

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## 1.113.1 Available under license :

procfs provides functions to retrieve system, kernel and process metrics from the pseudo-filesystem proc.

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AES in libcrypto

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rijndael-alg-fst.c

@version 3.0 (December 2000)

Optimised ANSI C code for the Rijndael cipher (now AES)

@author Vincent Rijmen <vincent.rijmen@esat.kuleuven.ac.be>

@author Antoon Bosselaers <antoon.bosselaers@esat.kuleuven.ac.be>

@author Paulo Barreto <paulo.barreto@terra.com.br>

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kdc/announce.c

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DES core in libcrypto

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D3DES (V5.09) -

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lib/hcrypto/test\_dh.c

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## 1.122 structs 1.1.0

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## 1.125 properties 1.8.0

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goproperties - properties file decoder for Go

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## 1.127 cpp-7 7.5.0-3ubuntu1~18.04

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Julian Seward, jseward@bzip.org  
bzip2/libbzip2 version 1.0.6 of 6 September 2010

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

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

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

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

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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.

6. As an exception to the Sections above, you may also combine or

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b) Use a suitable shared library mechanism for linking with the Library. A suitable mechanism is one that (1) uses at run time a copy of the library already present on the user's computer system, rather than copying library functions into the executable, and (2) will operate properly with a modified version of the library, if the user installs one, as long as the modified version is interface-compatible with the version that the work was made with.

c) Accompany the work with a written offer, valid for at least three years, to give the same user the materials specified in Subsection 6a, above, for a charge no more than the cost of performing this distribution.

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

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

For an executable, the required form of the "work that uses the Library" must include any data and utility programs needed for



reproducing the executable from it. However, as a special exception, the materials to be distributed need not include anything that is normally distributed (in either source or binary form) with the major components (compiler, kernel, and so on) of the operating system on which the executable runs, unless that component itself accompanies the executable.

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

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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.

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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".

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@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

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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.

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```
winsup\testsuite\winsup.api\msgtest.c
winsup\testsuite\winsup.api\semtest.c
winsup\testsuite\winsup.api\shmttest.c
```

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```
winsup\cygserver\sysv_shm.cc
```

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```
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Version 2, June 1991

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[This is the first released version of the library GPL. It is numbered 2 because it goes with version 2 of the ordinary GPL.]

Preamble  
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Because of this blurred distinction, using the ordinary General Public License for libraries did not effectively promote software sharing, because most developers did not use the libraries. We concluded that weaker conditions might promote sharing better.

However, unrestricted linking of non-free programs would deprive the users of those programs of all benefit from the free status of the libraries themselves. This Library General Public License is intended to permit developers of non-free programs to use free libraries, while preserving your freedom as a user of such programs to change the free libraries that are incorporated in them. (We have not seen how to achieve this as regards changes in header files, but we have achieved it as regards changes in the actual functions of the Library.) The hope is that this will lead to faster development of free libraries.

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- b. Accompany the work with a written offer, valid for at least three years, to give the same user the materials specified in Subsection 6a, above, for a charge no more than the cost of performing this distribution.
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binaryheap

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etlua

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go-codec

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go-diffliB

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go-spew

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inspect

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kong-lapis

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kong-plugin-aws-lambda

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kong-plugin-request-transformer

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kong-plugin-zipkin

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kong-prometheus-plugin

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lrandom

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lua-cassandra

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lua-MessagePack

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lua-resty-acme

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lua-resty-cookie

<https://github.com/cloudflare/lua-resty-cookie>

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lua-resty-counter

<https://github.com/Kong/lua-resty-worker-events>

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lua-resty-dns-client

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lua-resty-healthcheck

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lua-resty-http

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lua-resty-iputils

<https://github.com/hamishforbes/lua-resty-iputils>

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lua-resty-jit-uuid

<http://thibaultcha.github.io/lua-resty-jit-uuid/>  
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lua-resty-lrucache

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lua-resty-mediator

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lua-resty-mlcache

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lua-resty-openssl

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lua-resty-timer

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lua-resty-worker-events

<https://github.com/Kong/lua-resty-worker-events>

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lua\_pack

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lua\_system\_constants

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LuaFileSystem

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luaLogging

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luaossl

<http://25thandclement.com/~william/projects/luaoSSL.html>

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LuaSocket

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luasyslog

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luatz

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lyaml

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mimetypes

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penlight

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pgmoon

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## 1.132 linux-libc-dev 4.15.0-187.198

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```
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```
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<signature of Ty Coon>, 1 April 1990

Ty Coon, President of Vice

That's all there is to it!

```
/* nicstar.c v0.22 Jawaid Bazyar (bazyar@hypermall.com)
* nicstar.c, M. Welsh (matt.welsh@cl.cam.ac.uk)
*
* Hacked October, 1997 by Jawaid Bazyar, Interlink Advertising Services Inc.
* http://www.hypermall.com/
* 10/1/97 - commented out CFG_PHYIE bit - we don't care when the PHY
* interrupts us (except possibly for removal/insertion of the cable?)
* 10/4/97 - began heavy inline documentation of the code. Corrected typos
* and spelling mistakes.
* 10/5/97 - added code to handle PHY interrupts, disable PHY on
* loss of link, and correctly re-enable PHY when link is
* re-established. (put back CFG_PHYIE)
*
* Modified to work with the IDT7721 nicstar -- AAL5 (tested) only.
*
* R. D. Rechenmacher <ron@fnal.gov>, Aug. 6, 1997
*
* Linux driver for the IDT77201 NICStAR PCI ATM controller.
* PHY component is expected to be 155 Mbps S/UNI-Lite or IDT 77155;
* see init_nicstar() for PHY initialization to change this. This driver
* expects the Linux ATM stack to support scatter-gather lists
* (skb->atm.iovcnt != 0) for Rx skb's passed to vcc->push.
*
* Implementing minimal-copy of received data:
* IDT always receives data into a small buffer, then large buffers
* as needed. This means that data must always be copied to create
* the linear buffer needed by most non-ATM protocol stacks (e.g. IP)
* Fix is simple: make large buffers large enough to hold entire
* SDU, and leave <small_buffer_data> bytes empty at the start. Then
* copy small buffer contents to head of large buffer.
* Trick is to avoid fragmenting Linux, due to need for a lot of large
* buffers. This is done by 2 things:
* 1) skb->destructor / skb->atm.recycle_buffer
* combined, allow nicstar_free_rx_skb to be called to
* recycle large data buffers
* 2) skb_clone of received buffers
* See nicstar_free_rx_skb and linearize_buffer for implementation
* details.
*
*
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\* along with this program; if not, write to the Free Software  
\* Foundation, Inc., 675 Mass Ave, Cambridge, MA 02139, USA.  
\*  
\* M. Welsh, 6 July 1996  
\*  
\*  
\*/

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@vskip 20pt plus 1fil
@end macro
```

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@macro copyrightstart{ }
@end macro
```

```
@macro copyrightend{ }
@end macro
```

```
@node Copyrights and Licenses, , Acknowledgments, Top
@comment node-name, next, previous, up
@appendix Copyrights and Licenses
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@item GSS-API CFX, SPNEGO, naming extensions, API extensions.

@item KCM credential cache.

@item HDB LDAP backend.

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@heading Vincent Rijmen, Antoon Bosselaers, Paulo Barreto

AES in libcrypto

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rijndael-alg-fst.c

@version 3.0 (December 2000)

Optimised ANSI C code for the Rijndael cipher (now AES)

@author Vincent Rijmen <vincent.rijmen@esat.kuleuven.ac.be>  
@author Antoon Bosselaers <antoon.bosselaers@esat.kuleuven.ac.be>  
@author Paulo Barreto <paulo.barreto@terra.com.br>

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DES core in libcrypto

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D3DES (V5.09) -

A portable, public domain, version of the Data Encryption Standard.

Written with Symantec's THINK (Lightspeed) C by Richard Outerbridge.

Thanks to: Dan Hoey for his excellent Initial and Inverse permutation code; Jim Gillogly & Phil Karn for the DES key schedule code; Dennis Ferguson, Eric Young and Dana How for comparing notes; and Ray Lau, for humouring me on.

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Windows support

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lib/hcrypto/test\_dh.c

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@version 3.0 (December 2000)

Optimised ANSI C code for the Rijndael cipher (now AES)

@author Vincent Rijmen <vincent.rijmen@esat.kuleuven.ac.be>

@author Antoon Bosselaers <antoon.bosselaers@esat.kuleuven.ac.be>

@author Paulo Barreto <paulo.barreto@terra.com.br>

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## 1.143 go-isatty 0.0.14

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## 1.148 xxhash 2.1.2

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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.

6. As an exception to the Sections above, you may also combine or link a "work that uses the Library" with the Library to produce a work containing portions of the Library, and distribute that work under terms of your choice, provided that the terms permit modification of the work for the customer's own use and reverse engineering for debugging such modifications.

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b) Use a suitable shared library mechanism for linking with the Library. A suitable mechanism is one that (1) uses at run time a copy of the library already present on the user's computer system, rather than copying library functions into the executable, and (2) will operate properly with a modified version of the library, if the user installs one, as long as the modified version is interface-compatible with the version that the work was made with.

c) Accompany the work with a written offer, valid for at least three years, to give the same user the materials specified in Subsection 6a, above, for a charge no more than the cost of performing this distribution.

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

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gfdl(7), fsf-funding(7).

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DRuntime: Runtime Library for the D Programming Language

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Version 3, 29 June 2007

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## 1.150 [github.com/rangelreale/osin](https://github.com/rangelreale/osin) 1.0.1

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## 1.152 validator 8.18.2

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## 1.153 errors 0.9.1

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## 1.155 go-toml 1.4.0

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```
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```

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## 1.157 golang-jwt v4.1.0

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## 1.158 procfs 0.3.0

### 1.158.1 Available under license :

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

'License :: OSI Approved :: BSD License',

Found in path(s):

\* /opt/cola/permits/1325652042\_1652325992.1821346/0/procfs-0-3-0-tar-gz/procfs-0.3.0/setup.py

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Metadata-Version: 1.1

Name: procfs

Version: 0.3.0

Summary: Python API for the Linux /proc virtual filesystem

Home-page: <https://github.com/pmuller/procfs>

Author: Philippe Muller

Author-email: philippe.muller@gmail.com

License: BSD

Description: procfs

-----

.. image:: <https://pypi.in/download/procfs/badge.png>

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

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Easy to use

-----

::

```
>>> from procfs import Proc
```

```
>>> proc = Proc()
```

```
>>> proc.loadavg
```

```
{'average': {1: 0.0, 5: 0.0, 15: 0.0},
```

```
'entities': {'current': 1, 'total': 117},
```

```
'last_pid': 3068}
```

```
>>> proc.net.dev.eth1.receive.bytes
```

```
117997558
```

```
>>> proc.meminfo.MemFree
```

```
57044
```

```
>>> proc.net.snmp.Udp
```

```
{'InDatagrams': 3394, 'OutDatagrams': 3399, 'RcvbufErrors': 0,
```

```
'InErrors': 0, 'SndbufErrors': 0, 'NoPorts': 4}
```

Process information

-----

::



```

>>> proc.self
<Process 3068: python>

>>> proc.self.parent
<Process 17423: bash>

>>> proc.self.uptime
datetime.timedelta(0, 346, 380262)

>>> proc.processes
<Processes: [<Process 1: init>, <Process 2: kthreadd>, <Process 3: migration/0>, <Process 4: ksoftirqd/0>,
<Process 5: watchdog/0>, <Process 6: migration/1>, <Process 7: ksoftirqd/1>, <Process 8: watchdog/1>, <Process
9: events/0>, <Process 10: events/1>, ...]>
>>> len(proc.processes)
110

>>> proc.processes.cmdline('(vim|ssh)')
<Processes: [<Process 2956: vim>, <Process 3044: vim>, <Process 3136: vim>, <Process 10422: sshd>,
<Process 10440: sshd>, <Process 10504: sshd>]>

>>> proc.processes.uid(1000)
<Processes: [<Process 1120: bash>, <Process 2593: bash>, <Process 2956: vim>, <Process 3044: vim>,
<Process 3093: python>, <Process 10504: sshd>, <Process 10505: bash>, <Process 10875: screen>, <Process
10876: screen>, <Process 12908: bash>, ...]>

>>> proc.processes.user('pmuller').cmdline('python')[0]
<Process 3093: python>

```

## Links

\*\*\*\*

\* `documentation` <<http://packages.python.org/procfs/>>`\_`

\* `github` <<http://github.com/pmuller/procfs>>`\_`

.. image:: <https://d2weczshv1823v0.cloudfront.net/pmuller/procfs/trend.png>

:alt: Bitdeli badge

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Keywords: linux proc procfs system kernel

Platform: Linux

Classifier: Development Status :: 3 - Alpha

Classifier: Intended Audience :: System Administrators

Classifier: Intended Audience :: Developers

Classifier: License :: OSI Approved :: BSD License

Classifier: Operating System :: POSIX :: Linux

Classifier: Topic :: System :: Operating System Kernels :: Linux

Classifier: Topic :: Software Development :: Libraries :: Python Modules

Found in path(s):

\* /opt/cola/permits/1325652042\_1652325992.1821346/0/procfs-0-3-0-tar-gz/procfs-0.3.0/procfs.egg-info/PKG-INFO

\* /opt/cola/permits/1325652042\_1652325992.1821346/0/procfs-0-3-0-tar-gz/procfs-0.3.0/PKG-INFO

## 1.159 nginx 1.15.8.3

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/\*

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@table @asis

@item GSS-API CFX, SPNEGO, naming extensions, API extensions.

@item KCM credential cache.

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Fortuna in libhcrypto

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Camellia in libhcrypto

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@heading Vincent Rijmen, Antoon Bosselaers, Paulo Barreto

AES in libcrypto

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rijndael-alg-fst.c

@version 3.0 (December 2000)

Optimised ANSI C code for the Rijndael cipher (now AES)

@author Vincent Rijmen <vincent.rijmen@esat.kuleuven.ac.be>

@author Antoon Bosselaers <antoon.bosselaers@esat.kuleuven.ac.be>

@author Paulo Barreto <paulo.barreto@terra.com.br>

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kdc/announce.c

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@heading Richard Outerbridge

DES core in libcrypto

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D3DES (V5.09) -

A portable, public domain, version of the Data Encryption Standard.

Written with Symantec's THINK (Lightspeed) C by Richard Outerbridge. Thanks to: Dan Hoey for his excellent Initial and Inverse permutation code; Jim Gillogly & Phil Karn for the DES key schedule code; Dennis Ferguson, Eric Young and Dana How for comparing notes; and Ray Lau, for humouring me on.

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Windows support

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@heading Novell, Inc

lib/hcrypto/test\_dh.c

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```

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Ty Coon, President of Vice
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+++++

Dean Elsner wrote the original gas for vax. [more details?]

Jay Fenlason maintained gas for a while, adding support for gdb-specific debug information and the 68k series machines, most of the preprocessing pass, and extensive changes in messages.c, input-file.c, write.c.

K. Richard Pixley maintained gas for a while, adding various enhancements and many bug fixes, including merging support for several processors, breaking gas up to handle multiple object file format backends (including heavy rewrite, testing, an integration of the coff and b.out backends), adding configuration including heavy testing and verification of cross assemblers and file splits and renaming, converted gas to strictly ansi C including full prototypes, added support for m680[34]0 & cpu32, considerable work on i960 including a coff port (including considerable amounts of reverse engineering), a sparc opcode file rewrite, decstation, rs6000, and hp300hpux host ports, updated "know" assertions and made them work, much other reorganization, cleanup, and lint.

Ken Raeburn wrote the high-level BFD interface code to replace most of the code in format-specific I/O modules.

The original Vax-VMS support was contributed by David L. Kashtan. Eric Youngdale and Pat Rankin have done much work with it since.

The Intel 80386 machine description was written by Eliot Dresselhaus.

Minh Tran-Le at IntelliCorp contributed some AIX 386 support.

The Motorola 88k machine description was contributed by Devon Bowen of Buffalo University and Torbjorn Granlund of the Swedish Institute of Computer Science.

Keith Knowles at the Open Software Foundation wrote the original MIPS back end (tc-mips.c, tc-mips.h), and contributed Rose format support that hasn't been merged in yet. Ralph Campbell worked with the MIPS code to support a.out format.

Support for the Zilog Z8k and Hitachi H8/300, H8/500 and SH processors

(tc-z8k, tc-h8300, tc-h8500, tc-sh), and IEEE 695 object file format (obj-ieee), was written by Steve Chamberlain of Cygnus Solutions. Steve also modified the COFF back end (obj-coffbfd) to use BFD for some low-level operations, for use with the Hitachi, 29k and Zilog targets.

John Gilmore built the AMD 29000 support, added .include support, and simplified the configuration of which versions accept which pseudo-ops. He updated the 68k machine description so that Motorola's opcodes always produced fixed-size instructions (e.g. jsr), while synthetic instructions remained shrinkable (jbsr). John fixed many bugs, including true tested cross-compilation support, and one bug in relaxation that took a week and required the proverbial one-bit fix.

Ian Lance Taylor of Cygnus Solutions merged the Motorola and MIT syntaxes for the 68k, completed support for some COFF targets (68k, i386 SVR3, and SCO Unix), wrote the ECOFF support based on Michael Meissner's mips-tfile program, wrote the PowerPC and RS/6000 support, and made a few other minor patches. He handled the binutils releases for versions 2.7 through 2.9.

David Edelsohn contributed fixes for the PowerPC and AIX support.

Steve Chamberlain made gas able to generate listings.

Support for the HP9000/300 was contributed by Glenn Engel of HP.

Support for ELF format files has been worked on by Mark Eichin of Cygnus Solutions (original, incomplete implementation), Pete Hoogenboom at the University of Utah (HPPA mainly), Michael Meissner of the Open Software Foundation (i386 mainly), and Ken Raeburn of Cygnus Solutions (sparc, initial 64-bit support).

Several engineers at Cygnus Solutions have also provided many small bug fixes and configuration enhancements.

The initial Alpha support was contributed by Carnegie-Mellon University. Additional work was done by Ken Raeburn of Cygnus Solutions. Richard Henderson then rewrote much of the Alpha support.

Ian Dall updated the support code for the National Semiconductor 32000 series, and added support for Mach 3 and NetBSD running on the PC532.

Klaus Kaempf ported the assembler and the binutils to openVMS/Alpha.

Steve Haworth contributed the support for the Texas Instruction c30 (tms320c30).

H.J. Lu has contributed many patches and much testing.

Alan Modra reworked much of the i386 backend, improving the error checking, updating the code, and improving the 16 bit support, using patches from the work of Martynas Kunigelis and H.J. Lu.

Many others have contributed large or small bugfixes and enhancements. If you've contributed significant work and are not mentioned on this list, and want to be, let us know. Some of the history has been lost; we aren't intentionally leaving anyone out.

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When a "work that uses the Library" uses material from a header file that is part of the Library, the object code for the work may be a derivative work of the Library even though the source code is not. Whether this is true is especially significant if the work can be linked without the Library, or if the work is itself a library. The threshold for this to be true is not precisely defined by law.

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

Otherwise, if the work is a derivative of the Library, you may distribute the object code for the work under the terms of Section 6. Any executables containing that work also fall under Section 6, whether or not they are linked directly with the Library itself.

6. As an exception to the Sections above, you may also compile or link a "work that uses the Library" with the Library to produce a work containing portions of the Library, and distribute that work under terms of your choice, provided that the terms permit modification of the work for the customer's own use and reverse engineering for debugging such modifications.

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

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

b) Accompany the work with a written offer, valid for at least three years, to give the same user the materials specified in Subsection 6a, above, for a charge no more than the cost of performing this distribution.

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

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

For an executable, the required form of the "work that uses the Library" must include any data and utility programs needed for reproducing the executable from it. However, as a special exception, the 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.

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

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Appendix: How to Apply These Terms to Your New Libraries

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<one line to give the library's name and a brief idea of what it does.>

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Ty Coon, President of Vice

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Version 2.1, February 1999

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The precise terms and conditions for copying, distribution and modification follow. Pay close attention to the difference between a "work based on the library" and a "work that uses the library". The former contains code derived from the library, whereas the latter must be combined with the library in order to run.

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2. You may modify your copy or copies of the Library or any portion of it, thus forming a work based on the Library, and copy and distribute such modifications or work under the terms of Section 1 above, provided that you also meet all of these conditions:

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

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

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

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

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

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

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

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

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

When a "work that uses the Library" uses material from a header file that is part of the Library, the object code for the work may be a derivative work of the Library even though the source code is not. Whether this is true is especially significant if the work can be linked without the Library, or if the work is itself a library. The threshold for this to be true is not precisely defined by law.

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

Otherwise, if the work is a derivative of the Library, you may distribute the object code for the work under the terms of Section 6. Any executables containing that work also fall under Section 6, whether or not they are linked directly with the Library itself.

6. As an exception to the Sections above, you may also combine or link a "work that uses the Library" with the Library to produce a work containing portions of the Library, and distribute that work under terms of your choice, provided that the terms permit modification of the work for the customer's own use and reverse engineering for debugging such modifications.

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<one line to give the library's name and a brief idea of what it does.>

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Ty Coon, President of Vice

That's all there is to it!

This is the Debian GNU/Linux prepackaged version of the GNU assembler, linker, and binary utilities.

This package was put together by me, James Troup <james@nocrew.org>, from sources, which I obtained from:

<ftp://ftp.gnu.org/pub/gnu/binutils/>

and:

`cvs://pserver:anoncvs@sources.redhat.com:/cvs/src`

It was previously maintained by Christopher C. Chimelis <chris@debian.org>

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Upstream-Contact: David Howells <dhowells@redhat.com>

Source: <http://people.redhat.com/~dhowells/keyutils/>

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## 1.179 hcl 1.0.0

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# 1.181 mattermost-xml-roundtrip-validator

## 0.1.0

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## 1.183 openssl 1.1.1o

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Files-Excluded: doc/doxyout

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@vskip 20pt plus 1fil
@end macro
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@macro copyrightstart{ }
@end macro
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@macro copyrightend{ }
@end macro
```

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@node Copyrights and Licenses, , Acknowledgments, Top
@comment node-name, next, previous, up
@appendix Copyrights and Licenses
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AES in libcrypto

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@version 3.0 (December 2000)

Optimised ANSI C code for the Rijndael cipher (now AES)

@author Vincent Rijmen <vincent.rijmen@esat.kuleuven.ac.be>

@author Antoon Bosselaers <antoon.bosselaers@esat.kuleuven.ac.be>

@author Paulo Barreto <paulo.barreto@terra.com.br>

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Thanks to: Dan Hoey for his excellent Initial and Inverse permutation code; Jim Gillogly & Phil Karn for the DES key schedule code; Dennis Ferguson, Eric Young and Dana How for comparing notes; and Ray Lau, for humouring me on.

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## 1.186 go-playground-validator 9.31.0

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## 1.187 go-metrics 20220323

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## 1.188 clockwork 0.2.2

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Clockwork - a clock process to replace cron

=====

Cron is non-ideal for running scheduled application tasks, especially in an app deployed to multiple machines. [More details.]([http://adam.heroku.com/past/2010/4/13/rethinking\\_cron/](http://adam.heroku.com/past/2010/4/13/rethinking_cron/))

Clockwork is a cron replacement. It runs as a lightweight, long-running Ruby process which sits alongside your web processes (Mongrel/Thin) and your worker processes (DJ/Resque/Minion/Stalker) to schedule recurring work at particular times or dates. For example, refreshing feeds on an hourly basis, or send reminder emails on a nightly basis, or generating invoices once a month on the 1st.

Quickstart

-----

Create clock.rb:

```
require 'clockwork'
include Clockwork
```



```

handler do |job|
 puts "Running #{job}"
end

every(10.seconds, 'frequent.job')
every(3.minutes, 'less.frequent.job')
every(1.hour, 'hourly.job')

every(1.day, 'midnight.job', :at => '00:00')

```

Run it with the clockwork binary:

```

$ clockwork clock.rb
[2010-05-25 18:16:46 -0700] Starting clock for 4 events: [frequent.job less.frequent.job hourly.job midnight.job]
[2010-05-25 18:16:46 -0700] -> frequent.job

```

Use with queueing

-----

The clock process only makes sense as a place to schedule work to be done, not to do the work. It avoids locking by running as a single process, but this makes it impossible to parallelize. For doing the work, you should be using a job queueing system, such as

[Delayed Job](<http://www.therailsway.com/2009/7/22/do-it-later-with-delayed-job>),  
 [Beanstalk/Stalker]([http://adam.heroku.com/past/2010/4/24/beanstalk\\_a\\_simple\\_and\\_fast\\_queueing\\_backend/](http://adam.heroku.com/past/2010/4/24/beanstalk_a_simple_and_fast_queueing_backend/)),  
 [RabbitMQ/Minion]([http://adamblog.heroku.com/past/2009/9/28/background\\_jobs\\_with\\_rabbitmq\\_and\\_minion/](http://adamblog.heroku.com/past/2009/9/28/background_jobs_with_rabbitmq_and_minion/)),  
 or

[Resque](<http://github.com/blog/542-introducing-resque>). This design allows a simple clock process with no locks, but also offers near infinite horizontal scalability.

For example, if you're using Beanstalk/Staker:

```

require 'stalker'

handler { |job| Stalker.enqueue(job) }

every(1.hour, 'feeds.refresh')
every(1.day, 'reminders.send', :at => '01:30')

```

Using a queueing system which doesn't require that your full application be loaded is preferable, because the clock process can keep a tiny memory footprint. If you're using DJ or Resque, however, you can go ahead and load your full application environment, and use per-event blocks to call DJ or Resque enqueue methods. For example, with DJ/Rails:

```

require 'config/boot'

```

```
require 'config/environment'
```

```
every(1.hour, 'feeds.refresh') { Feed.send_later(:refresh) }
every(1.day, 'reminders.send', :at => '01:30') { Reminder.send_later(:send_reminders) }
```

## Anatomy of a clock file

-----

clock.rb is standard Ruby. Since we include the Clockwork module (the clockwork binary does this automatically, or you can do it explicitly), this exposes a small DSL ("handler" and "every") to define the handler for events, and then the events themselves.

The handler typically looks like this:

```
handler { |job| enqueue_your_job(job) }
```

This block will be invoked every time an event is triggered, with the job name passed in. In most cases, you should be able to pass the job name directly through to your queueing system.

The second part of the file are the events, which roughly resembles a crontab:

```
every(5.minutes, 'thing.do')
every(1.hour, 'otherthing.do')
```

In the first line of this example, an event will be triggered once every five minutes, passing the job name 'thing.do' into the handler. The handler shown above would thus call `enqueue_your_job('thing.do')`.

You can also pass a custom block to the handler, for job queueing systems that rely on classes rather than job names (i.e. DJ and Resque). In this case, you need not define a general event handler, and instead provide one with each event:

```
every(5.minutes, 'thing.do') { Thing.send_later(:do) }
```

If you provide a custom handler for the block, the job name is used only for logging.

You can also use blocks to do more complex checks:

```
every(1.day, 'check.leap.year') do
 Stalker.enqueue('leap.year.party') if Time.now.year % 4 == 0
end
```

In production

-----

Only one clock process should ever be running across your whole application deployment. For example, if your app is running on three VPS machines (two app servers and one database), your app machines might have the following process topography:

- \* App server 1: 3 web (thin start), 3 workers (rake jobs:work), 1 clock (clockwork clock.rb)
- \* App server 2: 3 web (thin start), 3 workers (rake jobs:work)

You should use Monit, God, Upstart, or Inittab to keep your clock process running the same way you keep your web and workers running.

Meta

----

Created by Adam Wiggins

Inspired by [rufus-scheduler](<http://rufus.rubyforge.org/rufus-scheduler/>) and [<http://github.com/bvandenbos/resque-scheduler>](resque-scheduler)

Design assistance from Peter van Hardenberg and Matthew Soldo

Patches contributed by Mark McGranaghan

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<http://github.com/adamwiggins/clockwork>

Found in path(s):

- \* /opt/cola/permits/1213082843\_1634008352.31/0/clockwork-0-2-2-1-gem/data-tar-gz/README.md

## 1.189 [github.com/zsais/go-gin-prometheus](http://github.com/zsais/go-gin-prometheus)

### 0.1.0

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## 1.190 go 1.2.7

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## 1.191 dgryski-go-rendezvous 0.0.0-

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