Open Source Used In Cloud Native 5G Mobile  SMF 2021.01

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1.207 libxext 1.3.3 1
  1.207.1 Available under license
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1.209 open-ldap 2.4.45+dfsg 1ubuntu1.1
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1.1 libcap-ng 0.7.7-3.1
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Optimised ANSI C code for the Rijndael cipher (now AES)

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DES core in libhcrypto

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 humoring me on.

(GEnie : OUTER; CIS : [71755,204]) Graven Imagery, 1992.

Windows support

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1.9 debconf 1.5.66ubuntu1

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1.10 keyutils 1.5.9 9.2ubuntu2

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Patch for Ubuntu bug #399071

Display the contents of /etc/legal as part of the MOTD, the first time the
user logs in, and set a flag in the user's homedir if possible to prevent repeat displays.

Authors: Dustin Kirkland <kirkland@canonical.com>

Upstream status: Ubuntu-specific, maybe submit to Debian

Index: pam.ubuntu/modules/pam_motd/pam_motd.c

```c
int display_legal(pam_handle_t *pamh)
{
    int retval = PAM_IGNORE, rc;
    char *user = NULL;
    char *dir = NULL;
    char *flag = NULL;
    struct passwd *pwd = NULL;
    struct stat s;
    int f;
    /* Get the user name to determine if we need to print the disclaimer */
    rc = pam_get_item(pamh, PAM_USER, &user);
    if (rc == PAM_SUCCESS && user != NULL && *(const char *)user != '\0')
    {
        PAM_MODUTIL_DEF_PRIVS(privs);

        /* Get the password entry */
        pwd = pam_modutil_getpwnam(pamh, user);
        if (pwd != NULL)
        {
            if (pam_modutil_drop_priv(pamh, &privs, pwd)) {
                pam_syslog(pamh, LOG_ERR,
                           "Unable to change UID to %d temporarily\n",
                           pwd->pw_uid);
                retval = PAM_SESSION_ERR;
                goto finished;
            }

            if (asprintf(&dir, "%s/.cache", pwd->pw_dir) == -1 || !dir)
                goto finished;
            if (asprintf(&flag, "%s/motd.legal-displayed", dir) == -1 || !flag)
                goto finished;

            if (stat(flag, &s) != 0)
                goto finished;
```
+    if (pam_modutil_regain_priv(pamh, &privs)) {
+        pam_syslog(pamh, LOG_ERR,
+                   "Unable to change UID back to %d\n", privs.old_uid);
+        retval = PAM_SESSION_ERR;
+    }
+
+    _pam_drop(flag);
+    _pam_drop(dir);
+}
+
+ return retval;
+
+}
+
+PAM_EXTERN
+int pam_sm_open_session(pam_handle_t *pamh, int flags,
+                        int argc, const char **argv)
+
+ /* Display the updated motd */
+ display_file(pamh, motd_path);
+
+    /* Display the legal disclaimer only if necessary */
+    retval = display_legal(pamh);
+    return retval;
}

1.15 libxtst 1.2.3-1

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1.22 libseccomp 2.3.1-2.1ubuntu4

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1.23 libffi 3.2.1 8

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1.24 procps 3.3.12-3ubuntu1.1

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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.

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1.29 pcre 8.39 9

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1.31 zlib 1.2.11

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1.32 httpcomponents-core 4.3.2

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1.33 x-net 1.13
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1.34 xorg 7.7+19ubuntu7.1

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1.35 base-passwd 3.5.44

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1.48 jackson-dataformat-yaml 2.10.0

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# Jackson JSON processor

Jackson is a high-performance, Free/Open Source JSON processing library. It was originally written by Tatu Saloranta (tatu.saloranta@iki.fi), and has been in development since 2007. It is currently developed by a community of developers, as well as supported commercially by FasterXML.com.

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1.49 libx11 1.6.4-3ubuntu0.1

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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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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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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.

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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.

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

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

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Because of this blurred distinction, using the ordinary General
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concluded that weaker conditions might promote sharing better.

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

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of these things:

a) Accompany the work with the complete corresponding
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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
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to use the modified definitions.)

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c) If distribution of the work is made by offering access to copy
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d) Verify that the user has already received a copy of these
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For an executable, the required form of the "work that uses the
Library" must include any data and utility programs needed for
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  <signature of Ty Coon>, 1 April 1989
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1.63 mime-pull 1.9.6

1.64 cpp 8.2.0-1ubuntu2~18.04
1.64.1 Available under license :

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@item
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@item
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@end example

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

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

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

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@c man end

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

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## version 0.1
##
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1.80 pierrec-lz4 2.5.2

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Index: tdbsa/tdb.c
===================================================================
--- tdbsa.orig/tdb.c
+++ tdbsa/tdb.c
@@ -4,11 +4,11 @@ Rev: 23371
 Last Changed Date: 2007-06-06 20:14:06 -0400 (Wed, 06 Jun 2007)
 */
 */
- Unix SMB/CIFS implementation.
+ trivial database library - standalone version

- trivial database library - private includes
-
- Copyright (C) Andrew Tridgell 2005
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Theodore Ts'o <tytso@mit.edu> on Fri Dec 14 22:24:35 EST 2007

It is part of the main e2fsprogs distribution, which can be found at:

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files of the EXT2 file system utilities. The EXT2 utilities were
written by Theodore Ts'o <tytso@mit.edu> and Remy Card
<card@masi.ibp.fr>.

Sources were obtained from http://sourceforge.net/projects/e2fsprogs

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#
# This is a Makefile stub which handles the creation of BSD shared
# libraries.
#
# In order to use this stub, the following makefile variables must be defined.
#
# BSDLIB_VERSION = 1.0
# BSDLIB_IMAGE = libce
# BSDLIB_MYDIR = et
# BSDLIB_INSTALL_DIR = $(SHLIBDIR)
#

all:: image

real-subdirs:: Makefile
@echo "MKDIR pic"
@mkdir -p pic

BSD_LIB = $(BSDLIB_IMAGE).so.$(BSDLIB_VERSION)
BSDLIB_PIC_FLAG = -fpic

image:$(BSD_LIB)

$(BSD_LIB): $(OBJS)
(cd pic; ld -Bshareable -o $(BSD_LIB) $(LDFLAGS_SHLIB) $(OBJS))
$(MV) pic/$(BSD_LIB) .
$(RM) -f ../$(BSD_LIB)
(cd ..; $(LN) $(LINK_BUILD_FLAGS) `echo $(my_dir) | sed -e 's;lib/;;'"/$(BSD_LIB) $(BSD_LIB))

install-shlibs install: $(BSD_LIB)
@echo "INSTALL_PROGRAM $(BSDLIB_INSTALL_DIR)/$(BSD_LIB)"
@$(INSTALL_PROGRAM) $(BSD_LIB) \$(DESTDIR)$(BSDLIB_INSTALL_DIR)/$(BSD_LIB) 
@-$(LDCONFIG)

install-strip: install

install-shlibs-strip: install-shlibs

uninstall-shlibs uninstall::
$(RM) -f $(DESTDIR)$(BSDLIB_INSTALL_DIR)/$(BSD_LIB)

clean::
$(RM) -rf pic
$(RM) -f $(BSD_LIB)
$(RM) -f ../$(BSD_LIB)
/*

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This is the Debian GNU/Linux prepackaged version of the Common Error Description library. It is currently distributed together with the EXT2 file system utilities, which are otherwise packaged as "e2fsprogs".

This package was put together by Yann Dirson <dirson@debian.org>, from sources obtained from a mirror of:
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This is the Debian GNU/Linux prepackaged version of the EXT2 file system utilities (e2fsck, mke2fs, etc.). The EXT2 utilities were written by Theodore Ts'o <tytso@mit.edu> and Remy Card <card@masi.ibp.fr>.

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This package was added to the e2fsprogs debian source package by
Theodore Ts'o <tytso@mit.edu> on Sat Mar 15 15:33:37 EST 2003

It is part of the main e2fsprogs distribution, which can be found at:

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This is the Debian GNU/Linux prepackaged version of the static EXT2 file system consistency checker (e2fsck.static). The EXT2 utilities were written by Theodore Ts'o <tytso@mit.edu> and Remy Card <card@masi.ibp.fr>.

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Theodore Ts'o
23-June-2007

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```
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/**
* [@link FactoryBean] that obtains a WebSphere [@link javax.management.MBeanServer]
* reference through WebSphere's proprietary [@code AdminServiceFactory] API,
* available on WebSphere 5.1 and higher.
* *
* <p>Exposes the [@code MBeanServer] for bean references.
* This FactoryBean is a direct alternative to [@link MBeanServerFactoryBean],
* which uses standard JMX 1.2 API to access the platform's MBeanServer.
* */

* @author Juergen Hoeller
* @author Rob Harrop
* @since 2.0.3
* @see javax.management.MBeanServer
* @see MBeanServerFactoryBean

*/

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* /opt/ws_local/PERMITS_SQL/1069140787_1594508194.23/0/spring-context-5-0-2-release-sources-1-jar/org/springframework/jmx/support/WebSphereMBeanServerFactoryBean.java

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 *
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 * [ @code ]
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* @author Phillip Webb
* @author Sam Brannen
* @since 4.0
* @see Condition
*/

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* /opt/ws_local/PERMITS_SQL/1069140787_1594508194.23/0/spring-context-5-0-2-release-sources-1-jar/org/springframework/jmx/export/notification/NotificationPublisherAware.java
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* /opt/ws_local/PERMITS_SQL/1069140787_1594508194.23/0/spring-context-5-0-2-release-sources-1-jar/org/springframework/context/ApplicationContextInitializer.java
* /opt/ws_local/PERMITS_SQL/1069140787_1594508194.23/0/spring-context-5-0-2-release-sources-1-jar/org/springframework/context/annotation/ConflictingBeanDefinitionException.java
* /opt/ws_local/PERMITS_SQL/1069140787_1594508194.23/0/spring-context-5-0-2-release-sources-1-jar/org/springframework/context/annotation/ImportAware.java

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 */

/**
 * Abstract the invocation of a cache operation.
 * 
 * <p>Does not provide a way to transmit checked exceptions but
 * provide a special exception that should be used to wrap any
 * exception that was thrown by the underlying invocation.
 * Callers are expected to handle this issue type specifically.
 * 
 * @author Stephane Nicoll
 * @since 4.1
 */

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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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1.135 cdebconf 0.213ubuntu1

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1.136 dpkg 1.19.0.5ubuntu2.1

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1.139 jackson-databind 2.10.0

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1.141 grep 3.1 2build1

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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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1.153 patch 2.7.6-2ubuntu1

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This is the Debian GNU/Linux prepackaged version of the EXT2 file
system utilities (e2fsck, mke2fs, etc.). The EXT2 utilities were
written by Theodore Ts'o <tytso@mit.edu> and Remy Card <card@masi.ibp.fr>.

Sources were obtained from http://sourceforge.net/projects/e2fsprogs

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Theodore Ts'o
23-June-2007
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This is the Debian GNU/Linux prepackaged version of the translation files of the EXT2 file system utilities. The EXT2 utilities were
written by Theodore Ts'o <tytso@mit.edu> and Remy Card <card@masi.ibp.fr>.

Sources were obtained from http://sourceforge.net/projects/e2fsprogs

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Index: tdb/tdb.c
===================================================================
--- tdb.orig/tdb.c
+++ tdb/tdb.c
@@ -4,11 +4,11 @@
Last Changed Date: 2007-06-06 20:14:06 -0400 (Wed, 06 Jun 2007)
/*! *
 */
 */
- Unix SMB/CIFS implementation.
+ trivial database library - standalone version

- trivial database library - private includes
-
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This is the Debian GNU/Linux prepackaged version of the ss command-line interface parsing library. It is currently distributed together with the EXT2 file system utilities, which are otherwise packaged as "e2fsprogs".
This package was put together by Yann Dirson <dirson@debian.org>, from sources obtained from a mirror of:
tsx-11.mit.edu:/pub/linux/packages/ext2fs/

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#
# This is a Makefile stub which handles the creation of BSD shared libraries.
#
# In order to use this stub, the following makefile variables must be defined.
#
# BSDLIB_VERSION = 1.0
# BSDLIB_IMAGE = libce
# BSDLIB_MYDIR = et
# BSDLIB_INSTALL_DIR = $(SHLIBDIR)
#
all:: image

real-subdirs:: Makefile
@echo "MKDIR pic"
@mkdir -p pic

BSD_LIB = $(BSDLIB_IMAGE).so.$(BSDLIB_VERSION)
BSDLIB_PIC_FLAG = -fpic

image:$(BSD_LIB)

$(BSD_LIB): $(OBJS)
$(cd pic; ld -Bshareable -o $(BSD_LIB) $(LDFLAGS_SHLIB) $(OBJS))
$(MV) pic/$(BSD_LIB) .
$(RM) -f ../$(BSD_LIB)
(cd ..; $(LN) $(LINK_BUILD_FLAGS) \
```bash
'echo $(my_dir) | sed -e 's;lib/;;'"/$(BSD_LIB) $(BSD_LIB))

install-shlibs install:: $(BSD_LIB)
@echo "INSTALL_PROGRAM $(BSDLIB_INSTALL_DIR)/$(BSD_LIB)"
@$(INSTALL_PROGRAM) $(BSD_LIB) \
$(DESTDIR)$(BSDLIB_INSTALL_DIR)/$(BSD_LIB)
@-$(LDCONFIG)

install-strip: install

install-shlibs-strip: install-shlibs

uninstall-shlibs uninstall::
$(RM) -f $(DESTDIR)$(BSDLIB_INSTALL_DIR)/$(BSD_LIB)

clean::
$(RM) -rf pic
$(RM) -f $(BSD_LIB)
$(RM) -f ../$(BSD_LIB)

This is the Debian GNU/Linux prepackaged version of the static EXT2
file system consistency checker (e2fsck.static). The EXT2 utilities
were written by Theodore Ts'o <tytso@mit.edu> and Remy Card
<card@masi.ibp.fr>.

Sources were obtained from http://sourceforge.net/projects/e2fsprogs

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```
1.166 fdisk 2.31.1

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===============

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## libssh2

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1.183 nettle 3.4 1
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1.186 attr 2.4.47 2build1

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1.187 go-yaml 2.4.0

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1.188 libjpeg 6b

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README for release 6b of 27-Mar-1998
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This software is the work of Tom Lane, Philip Gladstone, Jim Boucher, Lee Crocker, Julian Minguillon, Luis Ortiz, George Phillips, Davide Rossi, Guido Vollbeding, Ge’ Weijers, and other members of the Independent JPEG Group.

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DOCUMENTATION ROADMAP

This file contains the following sections:

OVERVIEW General description of JPEG and the IJG software.
LEGAL ISSUES Copyright, lack of warranty, terms of distribution.
REFERENCES Where to learn more about JPEG.
ARCHIVE LOCATIONS Where to find newer versions of this software.
RELATED SOFTWARE Other stuff you should get.
FILE FORMAT WARS Software *not* to get.
TO DO Plans for future IJG releases.

Other documentation files in the distribution are:

User documentation:
install.doc How to configure and install the IJG software.
usage.doc Usage instructions for cjjpeg, djpeg, jpegtran,
rdjpgcom, and wrjpgcom.

*.1 Unix-style man pages for programs (same info as usage.doc).
wizard.doc Advanced usage instructions for JPEG wizards only.
change.log Version-to-version change highlights.

Programmer and internal documentation:
libjpeg.doc How to use the JPEG library in your own programs.
example.c Sample code for calling the JPEG library.
structure.doc Overview of the JPEG library's internal structure.
filelist.doc Road map of IJG files.
coderules.doc Coding style rules --- please read if you contribute code.

Please read at least the files install.doc and usage.doc. Useful information can also be found in the JPEG FAQ (Frequently Asked Questions) article. See ARCHIVE LOCATIONS below to find out where to obtain the FAQ article.

If you want to understand how the JPEG code works, we suggest reading one or more of the REFERENCES, then looking at the documentation files (in roughly the order listed) before diving into the code.

OVERVIEW
========

This package contains C software to implement JPEG image compression and decompression. JPEG (pronounced “jay-peg”) is a standardized compression method for full-color and gray-scale images. JPEG is intended for compressing "real-world" scenes; line drawings, cartoons and other non-realistic images are not its strong suit. JPEG is lossy, meaning that the output image is not exactly identical to the input image. Hence you must not use JPEG if you have to have identical output bits. However, on typical photographic images, very good compression levels can be obtained with no visible change, and remarkably high compression levels are possible if you can tolerate a low-quality image. For more details, see the references, or just experiment with various compression settings.

This software implements JPEG baseline, extended-sequential, and progressive compression processes. Provision is made for supporting all variants of these processes, although some uncommon parameter settings aren't implemented yet. For legal reasons, we are not distributing code for the arithmetic-coding variants of JPEG; see LEGAL ISSUES. We have made no provision for supporting the hierarchical or lossless processes defined in the standard.

We provide a set of library routines for reading and writing JPEG image files, plus two sample applications "cjpegs" and "djpegs", which use the library to perform conversion between JPEG and some other popular image file formats. The library is intended to be reused in other applications.

In order to support file conversion and viewing software, we have included
considerable functionality beyond the bare JPEG coding/decoding capability; for example, the color quantization modules are not strictly part of JPEG decoding, but they are essential for output to colormapped file formats or colormapped displays. These extra functions can be compiled out of the library if not required for a particular application. We have also included "jpegtran", a utility for lossless transcoding between different JPEG processes, and "rdjpgcom" and "wrjpgcom", two simple applications for inserting and extracting textual comments in JFIF files.

The emphasis in designing this software has been on achieving portability and flexibility, while also making it fast enough to be useful. In particular, the software is not intended to be read as a tutorial on JPEG. (See the REFERENCES section for introductory material.) Rather, it is intended to be reliable, portable, industrial-strength code. We do not claim to have achieved that goal in every aspect of the software, but we strive for it.

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of any program generated from the IJG code, this does not limit you more than
the foregoing paragraphs do.

The Unix configuration script "configure" was produced with GNU Autoconf.
It is copyright by the Free Software Foundation but is freely distributable.
The same holds for its supporting scripts (config.guess, config.sub,
lcconfig, ltmain.sh). Another support script, install-sh, is copyright
by M.I.T. but is also freely distributable.

It appears that the arithmetic coding option of the JPEG spec is covered by
patents owned by IBM, AT&T, and Mitsubishi. Hence arithmetic coding cannot
legally be used without obtaining one or more licenses. For this reason,
support for arithmetic coding has been removed from the free JPEG software.
(Since arithmetic coding provides only a marginal gain over the unpatented
Huffman mode, it is unlikely that very many implementations will support it.)
So far as we are aware, there are no patent restrictions on the remaining
code.

The IJG distribution formerly included code to read and write GIF files.
To avoid entanglement with the Unisys LZW patent, GIF reading support has been removed altogether, and the GIF writer has been simplified to produce "uncompressed GIFs". This technique does not use the LZW algorithm; the resulting GIF files are larger than usual, but are readable by all standard GIF decoders.

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REFERENCES
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We highly recommend reading one or more of these references before trying to understand the innards of the JPEG software.

The best short technical introduction to the JPEG compression algorithm is Wallace, Gregory K. "The JPEG Still Picture Compression Standard", Communications of the ACM, April 1991 (vol. 34 no. 4), pp. 30-44. (Adjacent articles in that issue discuss MPEG motion picture compression, applications of JPEG, and related topics.) If you don't have the CACM issue handy, a PostScript file containing a revised version of Wallace's article is available at ftp://ftp.uu.net/graphics/jpeg/wallace.ps.gz. The file (actually a preprint for an article that appeared in IEEE Trans. Consumer Electronics) omits the sample images that appeared in CACM, but it includes corrections and some added material. Note: the Wallace article is copyright ACM and IEEE, and it may not be used for commercial purposes.

A somewhat less technical, more leisurely introduction to JPEG can be found in "The Data Compression Book" by Mark Nelson and Jean-loup Gailly, published by M&T Books (New York), 2nd ed. 1996, ISBN 1-55851-434-1. This book provides good explanations and example C code for a multitude of compression methods including JPEG. It is an excellent source if you are comfortable reading C code but don't know much about data compression in general. The book's JPEG sample code is far from industrial-strength, but when you are ready to look at a full implementation, you've got one here...


The JPEG standard itself is not available electronically; you must order a paper copy through ISO or ITU. (Unless you feel a need to own a certified
In the USA, copies of the standard may be ordered from ANSI Sales at (212) 642-4900, or from Global Engineering Documents at (800) 854-7179. (ANSI doesn't take credit card orders, but Global does.) It's not cheap: as of 1992, ANSI was charging $95 for Part 1 and $47 for Part 2, plus 7% shipping/handling. The standard is divided into two parts, Part 1 being the actual specification, while Part 2 covers compliance testing methods. Part 1 is titled "Digital Compression and Coding of Continuous-tone Still Images, Part 1: Requirements and guidelines" and has document numbers ISO/IEC IS 10918-1, ITU-T T.81. Part 2 is titled "Digital Compression and Coding of Continuous-tone Still Images, Part 2: Compliance testing" and has document numbers ISO/IEC IS 10918-2, ITU-T T.83.

Some extensions to the original JPEG standard are defined in JPEG Part 3, a newer ISO standard numbered ISO/IEC IS 10918-3 and ITU-T T.84. IJG currently does not support any Part 3 extensions.

The JPEG standard does not specify all details of an interchangeable file format. For the omitted details we follow the "JFIF" conventions, revision 1.02. A copy of the JFIF spec is available from:

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Milpitas, CA 95035
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A PostScript version of this document is available by FTP at ftp://ftp.uu.net/graphics/jpeg/jfif.ps.gz. There is also a plain text version at ftp://ftp.uu.net/graphics/jpeg/jfif.txt.gz, but it is missing the figures.

The TIFF 6.0 file format specification can be obtained by FTP from ftp://ftp.sgi.com/graphics/tiff/TIFF6.ps.gz. The JPEG incorporation scheme found in the TIFF 6.0 spec of 3-June-92 has a number of serious problems. IJG does not recommend use of the TIFF 6.0 design (TIFF Compression tag 6). Instead, we recommend the JPEG design proposed by TIFF Technical Note #2 (Compression tag 7). Copies of this Note can be obtained from ftp.sgi.com or from ftp://ftp.uu.net/graphics/jpeg/. It is expected that the next revision of the TIFF spec will replace the 6.0 JPEG design with the Note's design. Although IJG's own code does not support TIFF/JPEG, the free libtiff library uses our library to implement TIFF/JPEG per the Note. libtiff is available from ftp://ftp.sgi.com/graphics/tiff/.

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You can also obtain this software in DOS-compatible "zip" archive format from the SimTel archives (ftp://ftp.simtel.net/pub/simtelnet/msdos/graphics/), or on CompuServe in the Graphics Support forum (GO CIS:GRAPHSUP), library 12 "JPEG Tools". Again, these versions may sometimes lag behind the ftp.uu.net release.

The JPEG FAQ (Frequently Asked Questions) article is a useful source of general information about JPEG. It is updated constantly and therefore is not included in this distribution. The FAQ is posted every two weeks to Usenet newsgroups comp.graphics.misc, news.answers, and other groups. It is available on the World Wide Web at http://www.faqs.org/faqs/jpeg-faq/ and other news.answers archive sites, including the official news.answers archive at rtfm.mit.edu: ftp://rtfm.mit.edu/pub/usenet/news.answers/jpeg-faq/. If you don't have Web or FTP access, send e-mail to mail-server@rtfm.mit.edu with body

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RELATED SOFTWARE
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Numerous viewing and image manipulation programs now support JPEG. (Quite a few of them use this library to do so.) The JPEG FAQ described above lists some of the more popular free and shareware viewers, and tells where to obtain them on Internet.

If you are on a Unix machine, we highly recommend Jef Poskanzer's free PBMPPLUS software, which provides many useful operations on PPM-format image files. In particular, it can convert PPM images to and from a wide range of other formats, thus making cjpeg/djpeg considerably more useful. The latest version is distributed by the NetPBM group, and is available from numerous sites, notably ftp://wuarchive.wustl.edu/graphics/graphics/packages/NetPBM/. Unfortunately PBMPPLUS/NETPBM is not nearly as portable as the IJG software is; you are likely to have difficulty making it work on any non-Unix machine.

A different free JPEG implementation, written by the PVRG group at Stanford, is available from ftp://havefun.stanford.edu/pub/jpeg/. This program is designed for research and experimentation rather than production use;
it is slower, harder to use, and less portable than the IJG code, but it is easier to read and modify. Also, the PVRG code supports lossless JPEG, which we do not. (On the other hand, it doesn't do progressive JPEG.)

FILE FORMAT WARS
================

Some JPEG programs produce files that are not compatible with our library. The root of the problem is that the ISO JPEG committee failed to specify a concrete file format. Some vendors "filled in the blanks" on their own, creating proprietary formats that no one else could read. (For example, none of the early commercial JPEG implementations for the Macintosh were able to exchange compressed files.)

The file format we have adopted is called JFIF (see REFERENCES). This format has been agreed to by a number of major commercial JPEG vendors, and it has become the de facto standard. JFIF is a minimal or "low end" representation. We recommend the use of TIFF/JPEG (TIFF revision 6.0 as modified by TIFF Technical Note #2) for "high end" applications that need to record a lot of additional data about an image. TIFF/JPEG is fairly new and not yet widely supported, unfortunately.

The upcoming JPEG Part 3 standard defines a file format called SPIFF. SPIFF is interoperable with JFIF, in the sense that most JFIF decoders should be able to read the most common variant of SPIFF. SPIFF has some technical advantages over JFIF, but its major claim to fame is simply that it is an official standard rather than an informal one. At this point it is unclear whether SPIFF will supersede JFIF or whether JFIF will remain the de-facto standard. IJG intends to support SPIFF once the standard is frozen, but we have not decided whether it should become our default output format or not. (In any case, our decoder will remain capable of reading JFIF indefinitely.)

Various proprietary file formats incorporating JPEG compression also exist. We have little or no sympathy for the existence of these formats. Indeed, one of the original reasons for developing this free software was to help force convergence on common, open format standards for JPEG files. Don't use a proprietary file format!

TO DO
=====

The major thrust for v7 will probably be improvement of visual quality. The current method for scaling the quantization tables is known not to be very good at low Q values. We also intend to investigate block boundary smoothing, "poor man's variable quantization", and other means of improving quality-vs-file-size performance without sacrificing compatibility.
In future versions, we are considering supporting some of the upcoming JPEG
Part 3 extensions --- principally, variable quantization and the SPIFF file
format.
As always, speeding things up is of great interest.
Please send bug reports, offers of help, etc. to jpeg-info@uunet.uu.net.

1.189 kerberos 1.16 2ubuntu0.1
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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
and the initial implementation of incremental propagation, including the following new or changed files:

```c
#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/krb5_err.et
kprop/kpropd_rpc.c
kprop/kproplog.c
```

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

.. parsed-literal::

   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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<hr class="docutils" />
<p>The implementations of GSSAPI mechglue in GSSAPI-SPNEGO in
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<ol>
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<li><span class="n" target="_blank">lib</span><span class="o">/</span><span class="n" target="_blank">gssapi</span><span class="o">/</span><span class="n" target="_blank">mechglue</span><span class="o">/</span><span class="n" target="_blank">g_accept_sec_context</span><span class="o"></span></li>
<li><span class="n" target="_blank">lib</span><span class="o">/</span><span class="n" target="_blank">gssapi</span><span class="o">/</span><span class="n" target="_blank">mechglue</span><span class="o">/</span><span class="n" target="_blank">g_acquire_cred</span><span class="o"></span></li>
<li><span class="n" target="_blank">lib</span><span class="o">/</span><span class="n" target="_blank">gssapi</span><span class="o">/</span><span class="n" target="_blank">mechglue</span><span class="o">/</span><span class="n" target="_blank">g_compare_name</span><span class="o"></span></li>
<li><span class="n" target="_blank">lib</span><span class="o">/</span><span class="n" target="_blank">gssapi</span><span class="o">/</span><span class="n" target="_blank">mechglue</span><span class="o">/</span><span class="n" target="_blank">g_context_time</span><span class="o"></span></li>
<li><span class="n" target="_blank">lib</span><span class="o">/</span><span class="n" target="_blank">gssapi</span><span class="o">/</span><span class="n" target="_blank">mechglue</span><span class="o">/</span><span class="n" target="_blank">g_delete_sec_context</span><span class="o"></span></li>
<li><span class="n" target="_blank">lib</span><span class="o">/</span><span class="n" target="_blank">gssapi</span><span class="o">/</span><span class="n" target="_blank">mechglue</span><span class="o">/</span><span class="n" target="_blank">g_dsp_name</span><span class="o"></span></li>
<li><span class="n" target="_blank">lib</span><span class="o">/</span><span class="n" target="_blank">gssapi</span><span class="o">/</span><span class="n" target="_blank">mechglue</span><span class="o">/</span><span class="n" target="_blank">g_dsp_status</span><span class="o"></span></li>
</ol>
<span class="n">lib</span>/<span class="n">gssapi</span>/<span class="n">class</span>/<span class="n">mechglue</span>/<span class="n">g_dup_name</span>.c
<span class="n">lib</span>/<span class="n">gssapi</span>/<span class="n">class</span>/<span class="n">mechglue</span>/<span class="n">g_exp_sec_context</span>.c
<span class="n">lib</span>/<span class="n">gssapi</span>/<span class="n">class</span>/<span class="n">mechglue</span>/<span class="n">g_export_name</span>.c
<span class="n">lib</span>/<span class="n">gssapi</span>/<span class="n">class</span>/<span class="n">mechglue</span>/<span class="n">g_glue</span>.c
<span class="n">lib</span>/<span class="n">gssapi</span>/<span class="n">class</span>/<span class="n">mechglue</span>/<span class="n">g_imp_name</span>.c
<span class="n">lib</span>/<span class="n">gssapi</span>/<span class="n">class</span>/<span class="n">mechglue</span>/<span class="n">g_imp_sec_context</span>.c
<span class="n">lib</span>/<span class="n">gssapi</span>/<span class="n">class</span>/<span class="n">mechglue</span>/<span class="n">g_initialize</span>.c
<span class="n">lib</span>/<span class="n">gssapi</span>/<span class="n">class</span>/<span class="n">mechglue</span>/<span class="n">g_inquire_context</span>.c
<span class="n">lib</span>/<span class="n">gssapi</span>/<span class="n">class</span>/<span class="n">mechglue</span>/<span class="n">g_inquire_cred</span>.c
<span class="n">lib</span>/<span class="n">gssapi</span>/<span class="n">class</span>/<span class="n">mechglue</span>/<span class="n">g_inquire_names</span>.c
<span class="n">lib</span>/<span class="n">gssapi</span>/<span class="n">class</span>/<span class="n">mechglue</span>/<span class="n">g_process_context</span>.c
<span class="n">lib</span>/<span class="n">gssapi</span>/<span class="n">class</span>/<span class="n">mechglue</span>/<span class="n">g_rel_buffer</span>.c
<span class="n">lib</span>/<span class="n">gssapi</span>/<span class="n">class</span>/<span class="n">mechglue</span>/<span class="n">g_rel_cred</span>.c
<span class="n">lib</span>/<span class="n">gssapi</span>/<span class="n">class</span>/<span class="n">mechglue</span>/<span class="n">g_rel_name</span>.c
<span class="n">lib</span>/<span class="n">gssapi</span>/<span class="n">class</span>/<span class="n">mechglue</span>/<span class="n">g_rel_oid_set</span>.c

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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`

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  cmd/krb5/iprop/iprop_hdr.h  
  cmd/krb5/kadmin/server/ipropd_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/mach/gssapiP_spnego.h  
  lib/gss_mechs/mech_spnego/mach/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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import sys
import re

def warn(fname, ln, msg):
    print '%s: %d: %s' % (fname, ln + 1, msg)

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

# Check a comment for boilerplate violations. Return true if the comment
# 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:
1.190 prometheus-client 1.0.0

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1.191 libxrender 0.9.10-1

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1.192 errors v0.8.1

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1.193 audit 2.8.2 1ubuntu1

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* /opt/cola/permits/1110666998_1606842253.14/0/spring-beans-3-2-17-release-sources-1-jar/org/springframework/beans/factory/BeanFactoryUtils.java
* /opt/cola/permits/1110666998_1606842253.14/0/spring-beans-3-2-17-release-sources-1-jar/org/springframework/beans/factory/config/PropertyPlaceholderConfigurer.java
* /opt/cola/permits/1110666998_1606842253.14/0/spring-beans-3-2-17-release-sources-1-jar/org/springframework/beans/factory/support/DefaultSingletonBeanRegistry.java
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  jar/org/springframework/beans/factory/support/ChildBeanDefinition.java
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  jar/org/springframework/beans/factory/wiring/BeanConfigurerSupport.java
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  jar/org/springframework/beans/factory/config/DependencyDescriptor.java
* /opt/cola/permits/1110666998_1606842253.14/0/spring-beans-3-2-17-release-sources-1-
  jar/org/springframework/beans/factory/support/BeanDefinitionReader.java
* /opt/cola/permits/1110666998_1606842253.14/0/spring-beans-3-2-17-release-sources-1-
  jar/org/springframework/beans/factory/access/BeanFactoryReference.java
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  jar/org/springframework/beans/factory/config/DependencyDescriptor.java
* /opt/cola/permits/1110666998_1606842253.14/0/spring-beans-3-2-17-release-sources-1-
  jar/org/springframework/beans/factory/support/BeanDefinitionReader.java
* /opt/cola/permits/1110666998_1606842253.14/0/spring-beans-3-2-17-release-sources-1-jar/org/springframework/beans/factory/config/TypedStringValue.java
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* /opt/cola/permits/1110666998_1606842253.14/0/spring-beans-3-2-17-release-sources-1-jar/org/springframework/beans/factory/config/ConstructorArgumentValues.java
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* /opt/cola/permits/1110666998_1606842253.14/0/spring-beans-3-2-17-release-sources-1-jar/org/springframework/beans/factory/config/BeanDefinitionVisitor.java
* /opt/cola/permits/1110666998_1606842253.14/0/spring-beans-3-2-17-release-sources-1-jar/org/springframework/beans/factory/xml/BeanDefinitionParser.java
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  jar/org/springframework/beans/factory/serviceloader/ServiceListFactoryBean.java
* /opt/cola/permits/1110666998_1606842253.14/0/spring-beans-3-2-17-release-sources-1-
  jar/org/springframework/beans/factory/config/MapFactoryBean.java
* /opt/cola/permits/1110666998_1606842253.14/0/spring-beans-3-2-17-release-sources-1-
  jar/org/springframework/beans/factory/config/SetFactoryBean.java
* /opt/cola/permits/1110666998_1606842253.14/0/spring-beans-3-2-17-release-sources-1-
  jar/org/springframework/beans/factory/support/MergedBeanDefinitionPostProcessor.java
* /opt/cola/permits/1110666998_1606842253.14/0/spring-beans-3-2-17-release-sources-1-
  jar/org/springframework/beans/factory/parsing/CompositeComponentDefinition.java
* /opt/cola/permits/1110666998_1606842253.14/0/spring-beans-3-2-17-release-sources-1-
  jar/org/springframework/beans/factory/config/BeanExpressionResolver.java
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  jar/ org/ springframework/ beans/ propertyeditors/ CharArrayPropertyEditor.java
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  jar/ org/ springframework/ beans/ factory/ parsing/ AbstractComponentDefinition.java
* /opt/ cola/ permits/ 1110666998_1606842253.14/0/spring-beans-3-2-17-release-sources-1-
  jar/ org/ springframework/ beans/ propertyeditors/ ByteArrayPropertyEditor.java
* /opt/ cola/ permits/ 1110666998_1606842253.14/0/spring-beans-3-2-17-release-sources-1-
  jar/ org/ springframework/ beans/ factory/ NamedBean.java
* /opt/ cola/ permits/ 1110666998_1606842253.14/0/spring-beans-3-2-17-release-sources-1-
  jar/ org/ springframework/ beans/ factory/ parsing/ BeanEntry.java

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* /opt/cola/permits/1110666998_1606842253.14/0/spring-beans-3-2-17-release-sources-1-jar/org/springframework/beans/factory/annotation/InitDestroyAnnotationBeanPostProcessor.java
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* /opt/cola/permits/1110666998_1606842253.14/0/spring-beans-3-2-17-release-sources-1-jar/org/springframework/beans/factory/ListableBeanFactory.java
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* /opt/cola/permits/110666998_1606842253.14/0/spring-beans-3-2-17-release-sources-1.jar/org/springframework/beans/factory/parsing/AliasDefinition.java
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* /opt/cola/permits/110666998_1606842253.14/0/spring-beans-3-2-17-release-sources-1.jar/org/springframework/beans/PropertyAccessException.java
* /opt/cola/permits/110666998_1606842253.14/0/spring-beans-3-2-17-release-sources-1.jar/org/springframework/beans/propertyeditors/UUIDEditor.java
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* /opt/cola/permits/110666998_1606842253.14/0/spring-beans-3-2-17-release-sources-1-jar/org/springframework/beans/annotation/AnnotationBeanUtils.java
* /opt/cola/permits/110666998_1606842253.14/0/spring-beans-3-2-17-release-sources-1-jar/org/springframework/beans/factory/BeanDefinitionStoreException.java
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Send patches to sysvinit-devel@nongnu.org

The of the start-stop-daemon

* A rewrite of the original Debian's start-stop-daemon Perl script
* in C (faster - it is executed many times during system startup).
* Written by Marek Michalkiewicz <marekm@i17linuxb.ists.pwr.wroc.pl>, public domain.

1.199 pam 1.1.8 3.6ubuntu2.18.04.1

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-------------------------------------------------------------------------

Patch for Ubuntu bug #399071

Display the contents of /etc/legal as part of the MOTD, the first time the user logs in, and set a flag in the user's homedir if possible to prevent repeat displays.

Authors: Dustin Kirkland <kirkland@canonical.com>

Upstream status: Ubuntu-specific, maybe submit to Debian

Index: pam.ubuntu/modules/pam_motd/pam_motd.c
===================================================================
--- pam.ubuntu.orig/modules/pam_motd/pam_motd.c
+++ pam.ubuntu/modules/pam_motd/pam_motd.c
@@ -73,6 +73,61 @@
close(fd);

+int display_legal(pam_handle_t *pamh)
+{
+    int retval = PAM_IGNORE, rc;
+    char *user = NULL;
+    char *dir = NULL;

}
char *flag = NULL;
struct passwd *pwd = NULL;
struct stat s;
int f;
/* Get the user name to determine if we need to print the disclaimer */
rc = pam_get_item(pamh, PAM_USER, &user);
if (rc == PAM_SUCCESS && user != NULL && *(const char *)user != '\0') {
    PAM_MODUTIL_DEF_PRIVS(privs);

    /* Get the password entry */
pwd = pam_modutil_getpwnam (pamh, user);
if (pwd != NULL) {
    if (pam_modutil_drop_priv(pamh, &privs, pwd)) {
        pam_syslog(pamh, LOG_ERR,
                   "Unable to change UID to %d temporarily\n",
                   pwd->pw_uid);
        retval = PAM_SESSION_ERR;
        goto finished;
    }

    if (asprintf(&dir, "%s/.cache", pwd->pw_dir) == -1 || !dir)
        goto finished;
    if (asprintf(&flag, "%s/motd.legal-displayed", dir) == -1 || !flag)
        goto finished;

    if (stat(flag, &s) != 0)
    {
        display_file(pamh, "/etc/legal");
        mkdir(dir, 0700);
        f = open(flag, O_WRONLY|O_CREAT|O_EXCL,
                 S_IRUSR|S_IWUSR|S_IRGRP|S_IROTH);
        if (f>=0) close(f);
    }

    finished:
    if (pam_modutil_regain_priv(pamh, &privs)) {
        pam_syslog(pamh, LOG_ERR,
                   "Unable to change UID back to %d\n", privs.old_uid);
        retval = PAM_SESSION_ERR;
    }

    _pam_drop(flag);
    _pam_drop(dir);
}
int pam_sm_open_session(pam_handle_t *pamh, int flags, int argc, const char **argv)
{
     display_file(pamh, motd_path);
}

/* Display the legal disclaimer only if necessary */
+    retval = display_legal(pamh);
+
+    return retval;
}

This package was debianized by J.H.M. Dassen (Ray) jdassen@debian.org on Wed, 23 Sep 1998 20:29:32 +0200.

It was downloaded from ftp://ftp.kernel.org/pub/linux/libs/pam/pre/

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1.200 p11-kit 0.23.9 2

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Patch for Ubuntu bug #399071

Display the contents of /etc/legal as part of the MOTD, the first time the user logs in, and set a flag in the user's homedir if possible to prevent repeat displays.

Authors: Dustin Kirkland <kirkland@canonical.com>

Upstream status: Ubuntu-specific, maybe submit to Debian

Index: pam.ubuntu/modules/pam_motd/pam_motd.c

```
--- pam.ubuntu.org/modules/pam_motd/pam_motd.c
+++ pam.ubuntu/modules/pam_motd/pam_motd.c
@@ -73,6 +73,61 @@

```
close(fd);
}

+int display_legal(pam_handle_t *pamh)
+{
+    int retval = PAM_IGNORE, rc;
+    char *user = NULL;
+    char *dir = NULL;
+    char *flag = NULL;
+    struct passwd *pwd = NULL;
+    struct stat s;
+    int f;
+    /* Get the user name to determine if we need to print the disclaimer */
+    rc = pam_get_item(pamh, PAM_USER, &user);
+    if (rc == PAM_SUCCESS && user != NULL && *(const char *)user != '\0')
+    {
+        PAM_MODUTIL_DEF_PRIVS(privs);
+        /* Get the password entry */
+        pwd = pam_modutil_getpwnam (pamh, user);
+        if (pwd != NULL)
+        {
+            if (pam_modutil_drop_priv(pamh, &privs, pwd)) {
+                pam_syslog(pamh, LOG_ERR,
+                        "Unable to change UID to %d temporarily\n",
+                        pwd->pw_uid);
+                retval = PAM_SESSION_ERR;
+                goto finished;
+            }
+            if (asprintf(&dir, "%s/.cache", pwd->pw_dir) == -1 || !dir)
+                goto finished;
+            if (asprintf(&flag, "%s/motd.legal-displayed", dir) == -1 || !flag)
+                goto finished;
+            if (stat(flag, &s) != 0)
+            {
+                display_file(pamh, "/etc/legal");
+                mkdir(dir, 0700);
+                f = open(flag, O_WRONLY|O_CREAT|O_EXCL,
+                          S_IRUSR|S_IWUSR|S_IXGRP|S_IXOTH);
+                if (f>=0) close(f);
+            }
+        }
+        /* Get the password entry */
+        rc = pam_get_item(pamh, PAM_USER, &user);
+        if (rc == PAM_SUCCESS && user != NULL && *(const char *)user != '\0')
+        {
+            PAM_MODUTIL_DEF_PRIVS(privs);
+            /* Get the password entry */
+            pwd = pam_modutil_getpwnam (pamh, user);
+            if (pwd != NULL)
+            {
+                if (pam_modutil_drop_priv(pamh, &privs, pwd)) {
+                    pam_syslog(pamh, LOG_ERR,
+                            "Unable to change UID to %d temporarily\n",
+                            pwd->pw_uid);
+                    retval = PAM_SESSION_ERR;
+                    goto finished;
+                }
+                if (asprintf(&dir, "%s/.cache", pwd->pw_dir) == -1 || !dir)
+                    goto finished;
+                if (asprintf(&flag, "%s/motd.legal-displayed", dir) == -1 || !flag)
+                    goto finished;
+                if (stat(flag, &s) != 0)
+                {
+                    display_file(pamh, "/etc/legal");
+                    mkdir(dir, 0700);
+                    f = open(flag, O_WRONLY|O_CREAT|O_EXCL,
+                              S_IRUSR|S_IWUSR|S_IXGRP|S_IXOTH);
+                    if (f>=0) close(f);
+                }
+            }
+        }
+    }
+    if (stat(flag, &s) != 0)
+    {
+        display_file(pamh, "/etc/legal");
+        mkdir(dir, 0700);
+        f = open(flag, O_WRONLY|O_CREAT|O_EXCL,
+                  S_IRUSR|S_IWUSR|S_IXGRP|S_IXOTH);
+        if (f>=0) close(f);
+    }
+    finished:
+    if (pam_modutil_regain_priv(pamh, &privs)) {
+        pam_syslog(pamh, LOG_ERR,
+                "Unable to change UID back to %d\n", privs.old_uid);
+        retval = PAM_SESSION_ERR;
+    }
+    _pam_drop(flag);
+    _pam_drop(dir);
+}
+
+PAM_EXTERN
+int pam_sm_open_session(pam_handle_t *pamh, int flags,
+                         int argc, const char **argv)
+{
+    /* Display the updated motd */
+    display_file(pamh, motd_path);
+    /* Display the legal disclaimer only if necessary */
+    retval = display_legal(pamh);
+    return retval;
+}

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1.207 libxext 1.3.3 1

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  <modelVersion>4.0.0</modelVersion>
  <groupId>com.github.mifmif</groupId>
  <artifactId>generex</artifactId>
  <version>1.0.2</version>
  <name>Generex</name>
  <url>https://github.com/mifmif/Generex/tree/master</url>
  <description>Generex A Java Library for regex to Strings generation</description>
  <licenses>
    <license>
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      <name>MIFRAH Youssef</name>
      <email>mifmif.com@gmail.com</email>
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      <email>kolesnik.nickolay@gmail.com</email>
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    <artifactId>oss-parent</artifactId>
    <version>7</version>
  </parent>

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    <maven.pmd.excludes>**/generated-sources/**</maven.pmd.excludes>
  </properties>
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<scope>test</scope>
</dependency>
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Found in path(s):
* /opt/cola/permits/1000610466_1606952086.170/generex-1-0-2-sources-1.jar/META-INF/maven/com.github.mifmif/generex/pom.xml

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 */

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* /opt/cola/permits/1000610466_1606952086.170/generex-1-0-2-sources-1-
1.209 open-ldap 2.4.45+dfsg 1ubuntu1.1

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