Open Source Used In NAE (5.1)
Glacier Ridge (version 5.1) 5.1.0.6031

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Text Part Number: 78EE117C99-1083712018
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procfs provides functions to retrieve system, kernel and process metrics from the pseudo-filesystem proc.

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Protocol Buffers for Go with Gadgets

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Gocheck - A rich testing framework for Go

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1.14 jackson-module-jaxb-annotations 2.9.3

1.15 findutils 4.5.11 6.el7
1.15.1 Available under license :

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1.16 spring-security-crypto 5.0.4.RELEASE

1.17 asm-commons 5.0.4

1.18 servlet-api 3.1.0

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1.19 jackson-module-jaxb-annotations 2.9.1

1.20 fio 3.7-1.el7

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1.21 maven-resolver-impl 1.4.1

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1.24 commons-pool 2.5.0

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1.25 spring-cloud-netflix-core 2.0.0.rc2

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1.26 error_prone_annotations 2.3.4
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* /opt/ws_local/PERMITS_SQL/1059106420_1592475238.99/0/error-prone-annotations-2-3-4-sources-1-jar/com/google/errorprone/annotations/DoNotMock.java
* /opt/ws_local/PERMITS_SQL/1059106420_1592475238.99/0/error-prone-annotations-2-3-4-sources-1-jar/com/google/errorprone/annotations/CompatibleWith.java
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* /opt/ws_local/PERMITS_SQL/1059106420_1592475238.99/0/error-prone-annotations-2-3-4-sources-1-jar/com/google/errorprone/annotations/MustBeClosed.java
* /opt/ws_local/PERMITS_SQL/1059106420_1592475238.99/0/error-prone-annotations-2-3-4-sources-1-jar/com/google/errorprone/annotations/FormatMethod.java

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* /opt/ws_local/PERMITS_SQL/1059106420_1592475238.99/0/error-prone-annotations-2-3-4-sources-1-jar/com/google/errorprone/annotations/Var.java
* /opt/ws_local/PERMITS_SQL/1059106420_1592475238.99/0/error-prone-annotations-2-3-4-sources-1-jar/com/google/errorprone/annotations/SuppressPackageLocation.java
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1.27 jline 3.6.0

1.28 perl-encode 2.51-7.el7

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---
abstract: unknown
author:
  - unknown
build_requires:
  ExtUtils::MakeMaker: 0
configure_requires:
  ExtUtils::MakeMaker: 0
dynamic_config: 1
generated_by: 'ExtUtils::MakeMaker version 6.66, CPAN::Meta::Converter version 2.130880'
license: perl
meta-spec:
Encode::$_Name_ version 0.1

NAME
   Encode::$_Name_ - <describe encoding>

SYNOPSIS
   use Encode::$_Name_;  
   #<put more words here>

ABSTRACT
   <fill this in>

INSTALLATION

To install this module type the following:

perl Makefile.PL
make
make test
make install

DEPENDENCIES

This module requires perl version 5.7.3 or later.

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=head1 NAME

Encode - character encodings in Perl

=head1 SYNOPSIS

use Encode qw(decode encode);
$characters = decode('UTF-8', $octets, Encode::FB_CROAK);
$octets = encode('UTF-8', $characters, Encode::FB_CROAK);

=head2 Table of Contents

Encode consists of a collection of modules whose details are too extensive to fit in one document. This one itself explains the top-level APIs and general topics at a glance. For other topics and more details, see the documentation for these modules:

=over 2

=item L<Encode::Alias> - Alias definitions to encodings

=item L<Encode::Encoding> - Encode Implementation Base Class

=item L<Encode::Supported> - List of Supported Encodings

=item L<Encode::CN> - Simplified Chinese Encodings

=item L<Encode::JP> - Japanese Encodings

=item L<Encode::KR> - Korean Encodings
The `Encode` module provides the interface between Perl strings and the rest of the system. Perl strings are sequences of characters.

The repertoire of characters that Perl can represent is a superset of those defined by the Unicode Consortium. On most platforms the ordinal values of a character as returned by `ord()` is the Unicode codepoint for that character. The exceptions are platforms where the legacy encoding is some variant of EBCDIC rather than a superset of ASCII; see `perlebcdic`.

During recent history, data is moved around a computer in 8-bit chunks, often called "bytes" but also known as "octets" in standards documents. Perl is widely used to manipulate data of many types: not only strings of characters representing human or computer languages, but also "binary" data, being the machine's representation of numbers, pixels in an image, or just about anything.

When Perl is processing "binary data", the programmer wants Perl to process "sequences of bytes". This is not a problem for Perl: because a byte has 256 possible values, it easily fits in Perl's much larger "logical character".

This document mostly explains the how. `perlunitut` and `perlunifaq` explain the why.

### TERMINOLOGY

#### character

A character in the range 0 .. 2**32-1 (or more); what Perl's strings are made of.

#### byte

A character in the range 0..255; a special case of a Perl character.

#### octet

8 bits of data, with ordinal values 0..255; term for bytes passed to or from a non-Perl context, such as a disk file,
standard I/O stream, database, command-line argument, environment variable, socket etc.

=head1 THE PERL ENCODING API

=head2 Basic methods

=head3 encode

$octets = encode(ENCODING, STRING[, CHECK])

Encodes the scalar value I<STRING> from Perl's internal form into I<ENCODING> and returns a sequence of octets. I<ENCODING> can be either a canonical name or an alias. For encoding names and aliases, see L</"Defining Aliases">. For CHECK, see L</"Handling Malformed Data">.

For example, to convert a string from Perl's internal format into ISO-8859-1, also known as Latin1:

$octets = encode("iso-8859-1", $string);

B<CAVEAT>: When you run C<$octets = encode("utf8", $string)>?, then S<octets I<might not be equal to> $string. Though both contain the same data, the UTF8 flag for $octets is I<always> off. When you encode anything, the UTF8 flag on the result is always off, even when it contains a completely valid utf8 string. See L</"The UTF8 flag"> below.

If the $string is C<undef>, then C<undef> is returned.

=head3 decode

$string = decode(ENCODING, OCTETS[, CHECK])

This function returns the string that results from decoding the scalar value I<OCTETS>, assumed to be a sequence of octets in I<ENCODING>, into Perl's internal form. The returns the resulting string. As with encode(), I<ENCODING> can be either a canonical name or an alias. For encoding names and aliases, see L</"Defining Aliases">; for I<CHECK>, see L</"Handling Malformed Data">.

For example, to convert ISO-8859-1 data into a string in Perl's internal format:

$string = decode("iso-8859-1", $octets);

B<CAVEAT>: When you run C<$string = decode("utf8", $octets)>?, then $string I<might not be equal to> $octets. Though both contain the same data, the UTF8 flag for $string is on unless $octets consists entirely of ASCII data
on ASCII machines or EBCDIC on EBCDIC machines. See L</"The UTF8 flag”> below.

If the $string is C<undef>, then C<undef> is returned.

=head3 find_encoding

[Obj =] find_encoding(ENCODING)

Returns the I<encoding object> corresponding to I<ENCODING>. Returns C<undef> if no matching I<ENCODING> is find. The returned object is what does the actual encoding or decoding.

$utf8 = decode($name, $bytes);

is in fact

$utf8 = do {
   $obj = find_encoding($name);
   croak qq(encoding "$name" not found) unless ref $obj;
   $obj->decode($bytes);
};

with more error checking.

You can therefore save time by reusing this object as follows;

my $enc = find_encoding("iso-8859-1");
while(<>) {
    my $utf8 = $enc->decode($_);
    ... # now do something with $utf8;
}

Besides L</decode> and L</encode>, other methods are available as well. For instance, C<name()> returns the canonical name of the encoding object.

find_encoding("latin1")->name; # iso-8859-1

See L<Encode::Encoding> for details.

=head3 from_to

[Olength =] from_to($octets, FROM_ENC, TO_ENC [, CHECK])

Converts I<in-place> data between two encodings. The data in $octets must be encoded as octets and I<not> as characters in Perl's internal format. For example, to convert ISO-8859-1 data into Microsoft's CP1250
encoding:

    from_to($octets, "iso-8859-1", "cp1250");

and to convert it back:

    from_to($octets, "cp1250", "iso-8859-1");

Because the conversion happens in place, the data to be converted cannot be a string constant: it must be a scalar variable.

C<from_to()> returns the length of the converted string in octets on success, and C<undef> on error.

B<CAVEAT>: The following operations may look the same, but are not:

    from_to($data, "iso-8859-1", "utf8"); #1
    $data = decode("iso-8859-1", $data);  #2

Both #1 and #2 make $data consist of a completely valid UTF-8 string, but only #2 turns the UTF8 flag on. #1 is equivalent to:

    $data = encode("utf8", decode("iso-8859-1", $data));

See L</"The UTF8 flag"> below.

Also note that:

    from_to($octets, $from, $to, $check);

is equivalent t:o

    $octets = encode($to, decode($from, $octets), $check);

Yes, it does I<not> respect the $check during decoding. It is deliberately done that way. If you need minute control, use C<decode> followed by C<encode> as follows:

    $octets = encode($to, decode($from, $octets, $check_from), $check_to);

=head3 encode_utf8

$octets = encode_utf8($string);

Equivalent to C<$octets = encode("utf8", $string)>. The characters in $string are encoded in Perl's internal format, and the result is returned as a sequence of octets. Because all possible characters in Perl have a (loose, not strict) UTF-8 representation, this function cannot fail.
$string = decode_utf8($octets [, CHECK]);

Equivalent to `C<$string = decode("utf8", $octets [, CHECK])>`.
The sequence of octets represented by `$octets` is decoded from UTF-8 into a sequence of logical characters.
Because not all sequences of octets are valid UTF-8, it is quite possible for this function to fail.
For CHECK, see L</"Handling Malformed Data">.

use Encode;
@list = Encode->encodings();

Returns a list of canonical names of available encodings that have already been loaded. To get a list of all available encodings including those that have not yet been loaded, say:

@all_encodings = Encode->encodings(":all");

Or you can give the name of a specific module:

@with_jp = Encode->encodings("Encode::JP");

When "C<::>" is not in the name, "C<Encode::>" is assumed.

@ebcdic = Encode->encodings("EBCDIC");

To find out in detail which encodings are supported by this package, see L<Encode::Supported>.

use Encode;
use Encode::Alias;
define_alias(NEWNAME => ENCODING);

After that, I<NEWNAME> can be used as an alias for I<ENCODING>.
I<ENCODING> may be either the name of an encoding or an I<encoding object>.

Before you do that, first make sure the alias is nonexistent using C<resolve_alias()> , which returns the canonical name thereof.
For example:

```perl
Encode::resolve_alias("latin1") eq "iso-8859-1" # true
Encode::resolve_alias("iso-8859-12") # false; nonexistent
Encode::resolve_alias($name) eq $name # true if $name is canonical
```

C<resolve_alias()> does not need C<use Encode::Alias>; it can be imported via C<use Encode qw(resolve_alias)>.

See L<Encode::Alias> for details.

=head2 Finding IANA Character Set Registry names

The canonical name of a given encoding does not necessarily agree with IANA Character Set Registry, commonly seen as C<< Content-Type: text/plain; charset=I<WHATEVER> >>. For most cases, the canonical name works, but sometimes it does not, most notably with "utf-8-strict".

As of C<Encode> version 2.21, a new method C<mime_name()> is therefore added.

```perl
use Encode;
my $enc = find_encoding("UTF-8");
warn $enc->name; # utf-8-strict
warn $enc->mime_name; # UTF-8
```

See also: L<Encode::Encoding>

=head1 Encoding via PerlIO

If your perl supports C<PerlIO> (which is the default), you can use a C<PerlIO> layer to decode and encode directly via a filehandle. The following two examples are fully identical in functionality:

### Version 1 via PerlIO

```perl
open(INPUT, "< :encoding(shiftjis)", $infile) || die "Can't open < $infile for reading: $!";
open(OUTPUT, "> :encoding(euc-jp)", $outfile) \\
 || die "Can't open > $output for writing: $!";
while (<INPUT>) { # auto decodes $
 \n print OUTPUT; # auto encodes $
 \n } \\
close(INPUT) || die "can't close $infile: $!";
close(OUTPUT) || die "can't close $outfile: $!";
```

### Version 2 via from_to()

```perl
open(INPUT, "< :raw", $infile) \\
 || die "Can't open < $infile for reading: $!";
open(OUTPUT, "> :raw", $outfile)
```
while (<INPUT>) {
    from_to($_, "shiftjis", "euc-jp", 1);  # switch encoding
    print OUTPUT;   # emit raw (but properly encoded) data
}
close(INPUT)   || die "can't close $infile: $!";
close(OUTPUT)  || die "can't close $outfile: $!";

In the first version above, you let the appropriate encoding layer handle the conversion. In the second, you explicitly translate from one encoding to the other.

Unfortunately, it may be that encodings are C<PerlIO>-savvy. You can check to see whether your encoding is supported by C<PerlIO> by invoking the C<perlio_ok> method on it:

    Encode::perlio_ok("hz");             # false
    find_encoding("euc-cn")-&gt;perlio_ok;  # true wherever PerlIO is available

use Encode qw(perlio_ok);            # imported upon request
    perlio_ok("euc-jp")

Fortunately, all encodings that come with C<Encode> core are C<PerlIO>-savvy except for C<hz> and C<ISO-2022-kr>. For the gory details, see L&lt;Encode::Encoding&gt; and L&lt;Encode::PerlIO&gt;.

=head1 Handling Malformed Data

The optional I&lt;CHECK&gt; argument tells C&lt;Encode&gt; what to do when encountering malformed data. Without I&lt;CHECK&gt;, C&lt;Encode::FB_DEFAULT&gt; (== 0) is assumed.

As of version 2.12, C&lt;Encode&gt; supports coderef values for I&lt;CHECK&gt;; see below.

B&lt;NOTE:&gt; Not all encodings support this feature. Some encodings ignore the I&lt;CHECK&gt; argument. For example, L&lt;Encode::Unicode&gt; ignores I&lt;CHECK&gt; and it always croaks on error.

=head2 List of I&lt;CHECK&gt; values

=head3 FB_DEFAULT

I&lt;CHECK&gt; = Encode::FB_DEFAULT ( == 0)

If I&lt;CHECK&gt; is 0, encoding and decoding replace any malformed character with a I&lt;substitution character&gt;. When you encode, I&lt;SUBCHAR&gt; is used.
When you decode, the Unicode REPLACEMENT CHARACTER, code point U+FFFD, is used. If the data is supposed to be UTF-8, an optional lexical warning of warning category C<"utf8"> is given.

=head3 FB_CROAK

I<CHECK> = Encode::FB_CROAK ( == 1)

If I<CHECK> is 1, methods immediately die with an error message. Therefore, when I<CHECK> is 1, you should trap exceptions with C<eval{}>, unless you really want to let it C<die>.

=head3 FB_QUIET

I<CHECK> = Encode::FB_QUIET

If I<CHECK> is set to C<Encode::FB_QUIET>, encoding and decoding immediately return the portion of the data that has been processed so far when an error occurs. The data argument is overwritten with everything after that point; that is, the unprocessed portion of the data. This is handy when you have to call C<decode> repeatedly in the case where your source data may contain partial multi-byte character sequences, (that is, you are reading with a fixed-width buffer). Here's some sample code to do exactly that:

```
my($buffer, $string) = ("", "");
while (read($fh, $buffer, 256, length($buffer))) {
    $string .= decode($encoding, $buffer, Encode::FB_QUIET);
    # $buffer now contains the unprocessed partial character
}
```

=head3 FB_WARN

I<CHECK> = Encode::FB_WARN

This is the same as C<FB_QUIET> above, except that instead of being silent on errors, it issues a warning. This is handy for when you are debugging.

=head3 FB_PERLQQ FB_HTMLCREF FB_XMLCREF

=over 2

=item perlqq mode (I<CHECK> = Encode::FB_PERLQQ)

=item HTML charref mode (I<CHECK> = Encode::FB_HTMLCREF)

=item XML charref mode (I<CHECK> = Encode::FB_XMLCREF)
For encodings that are implemented by the C\texttt{Encode::XS} module, C\texttt{CHECK} C\texttt{===>}
C\texttt{Encode::FB\_PERLQQ} puts C\texttt{encode} and C\texttt{decode} into C\texttt{perlqq} fallback mode.

When you decode, C\texttt{\x{I<HHHH>}} will be inserted, where I<HHHH> is the Unicode code point (in any number of hex digits) of the character that cannot be found in the character repertoire of the encoding.

The HTML/XML character reference modes are about the same. In place of C\texttt{\x{I<HHHH>}}, HTML uses C\texttt{&#I<NNN>;} where I<NNN> is a decimal number, and XML uses C\texttt{\&#xI<HHHH>;} where I<HHHH> is the hexadecimal number.

In C\texttt{Encode} 2.10 or later, C\texttt{LEAVE\_SRC} is also implied.

=head3 The bitmask

These modes are all actually set via a bitmask. Here is how the C\texttt{FB\_I<XXX>>}
constants are laid out. You can import the C\texttt{FB\_I<XXX>>} constants via
C\texttt{use Encode qw(fallbacks)}, and you can import the generic bitmask
constants via C\texttt{use Encode qw(fallback\_all)}.

\begin{verbatim}
<table>
<thead>
<tr>
<th>FB_DEFAULT FB_CROAK FB_QUIET FB_WARN FB_PERLQQ</th>
</tr>
</thead>
<tbody>
<tr>
<td>DIE_ON_ERR 0x0001</td>
</tr>
<tr>
<td>WARN_ON_ERR 0x0002 X</td>
</tr>
<tr>
<td>RETURN_ON_ERR 0x0004 X</td>
</tr>
<tr>
<td>LEAVE_SRC 0x0008 X</td>
</tr>
<tr>
<td>PERLQQ 0x0100 X</td>
</tr>
<tr>
<td>HTMLCREF 0x0200</td>
</tr>
<tr>
<td>XMLCREF 0x0400</td>
</tr>
</tbody>
</table>
\end{verbatim}

=head3 LEAVE\_SRC

Encode::LEAVE\_SRC

If the C\texttt{Encode::LEAVE\_SRC} bit is I<not> set but I\texttt{CHECK} is set, then the
source string to encode() or decode() will be overwritten in place.
If you're not interested in this, then bitwise-OR it with the bitmask.

=head2 coderef for CHECK

As of C\texttt{Encode} 2.12, C\texttt{CHECK} can also be a code reference which takes the
ordinal value of the unmapped character as an argument and returns a string
that represents the fallback character. For instance:

\begin{verbatim}
$ascii = encode("ascii", $utf8, sub{ sprintf "<U+%04X>", shift });
\end{verbatim}
Acts like C<FB_PERLQQ> but U+I<XXXX> is used instead of C<\x{I<XXXX>}>.

=head1 Defining Encodings

To define a new encoding, use:

```perl
use Encode qw(define_encoding);
define_encoding($object, CANONICAL_NAME [, alias...]);
```

I<CANONICAL_NAME> will be associated with I<$object>. The object should provide the interface described in L<Encode::Encoding>.
If more than two arguments are provided, additional arguments are considered aliases for I<$object>.

See L<Encode::Encoding> for details.

=head1 The UTF8 flag

Before the introduction of Unicode support in Perl, The C<eq> operator just compared the strings represented by two scalars. Beginning with Perl 5.8, C<eq> compares two strings with simultaneous consideration of I<the UTF8 flag>. To explain why we made it so, I quote from page 402 of I<Programming Perl, 3rd ed.>

=over 2
=item Goal #1:
Old byte-oriented programs should not spontaneously break on the old byte-oriented data they used to work on.

=item Goal #2:
Old byte-oriented programs should magically start working on the new character-oriented data when appropriate.

=item Goal #3:
Programs should run just as fast in the new character-oriented mode as in the old byte-oriented mode.

=item Goal #4:
Perl should remain one language, rather than forking into a byte-oriented Perl and a character-oriented Perl.
=back
When *Programming Perl, 3rd ed.* was written, not even Perl 5.6.0 had been born yet, many features documented in the book remained unimplemented for a long time. Perl 5.8 corrected much of this, and the introduction of the UTF8 flag is one of them. You can think of there being two fundamentally different kinds of strings and string-operations in Perl: one a byte-oriented mode for when the internal UTF8 flag is off, and the other a character-oriented mode for when the internal UTF8 flag is on.

Here is how *Encode* handles the UTF8 flag.

```perl
=over 2
=item *
When you *encode*, the resulting UTF8 flag is always *off*.

=item *
When you *decode*, the resulting UTF8 flag is *on*—*unless* you can unambiguously represent data. Here is what we mean by "unambiguously". After C<$utf8 = decode("foo", $octet)>,

<table>
<thead>
<tr>
<th>When $octet is...</th>
<th>The UTF8 flag in $utf8 is</th>
</tr>
</thead>
<tbody>
<tr>
<td>In ASCII only (or EBCDIC only)</td>
<td>OFF</td>
</tr>
<tr>
<td>In ISO-8859-1</td>
<td>ON</td>
</tr>
<tr>
<td>In any other Encoding</td>
<td>ON</td>
</tr>
</tbody>
</table>
```

As you see, there is one exception: in ASCII. That way you can assume Goal #1. And with *Encode*, Goal #2 is assumed but you still have to be careful in the cases mentioned in the *CAVEAT* paragraphs above.

This UTF8 flag is not visible in Perl scripts, exactly for the same reason you cannot (or rather, you I*don't have to*) see whether a scalar contains a string, an integer, or a floating-point number. But you can still peek and poke these if you will. See the next section.

=head2 Messing with Perl's Internals

The following API uses parts of Perl's internals in the current implementation. As such, they are efficient but may change in a future release.

=head3 is_utf8
is_utf8(STRING [, CHECK])

[INTERNAL] Tests whether the UTF8 flag is turned on in the STRING. If CHECK is true, also checks whether STRING contains well-formed UTF-8. Returns true if successful, false otherwise.

As of Perl 5.8.1, L<utf8> also has the C<utf8::is_utf8> function.

=head3 _utf8_on

_utf8_on(STRING)

[INTERNAL] Turns the STRING's internal UTF8 flag on. The STRING is not checked for containing only well-formed UTF-8. Do not use this unless you know with absolute certainty that the STRING holds only well-formed UTF-8. Returns the previous state of the UTF8 flag (so please don't treat the return value as indicating success or failure), or C<undef> if STRING is not a string.

B<NOTE>: For security reasons, this function does not work on tainted values.

=head3 _utf8_off

_utf8_off(STRING)

[INTERNAL] Turns the STRING's internal UTF8 flag off. Do not use frivolously. Returns the previous state of the UTF8 flag, or C<undef> if STRING is not a string. Do not treat the return value as indicative of success or failure, because that isn't what it means: it is only the previous setting.

B<NOTE>: For security reasons, this function does not work on tainted values.

=head1 UTF-8 vs. utf8 vs. UTF8

...We now view strings not as sequences of bytes, but as sequences of numbers in the range 0 .. 2**32-1 (or in the case of 64-bit computers, 0 .. 2**64-1) -- Programming Perl, 3rd ed.

That has historically been Perl's notion of UTF-8, as that is how UTF-8 was first conceived by Ken Thompson when he invented it. However, thanks to later revisions to the applicable standards, official UTF-8 is now rather stricter than that. For example, its range is much narrower (0 .. 0xFFFF to cover only 21 bits instead of 32 or 64 bits) and some sequences are not allowed, like those used in surrogate pairs, the 31 non-character code points 0xFDD0 .. 0xFDEF, the last two code points in any plane (0xFFE and 0xFFFF), all non-shortest encodings, etc.
The former default in which Perl would always use a loose interpretation of UTF-8 has now been overruled:

From: Larry Wall <larry@wall.org>
Date: December 04, 2004 11:51:58 JST
To: perl-unicode@perl.org
Subject: Re: Make Encode.pm support the real UTF-8
Message-Id: <20041204025158.GA28754@wall.org>

On Fri, Dec 03, 2004 at 10:12:12PM +0000, Tim Bunce wrote:
: I've no problem with 'utf8' being perl's unrestricted utf8 encoding,
: but "UTF-8" is the name of the standard and should give the
: corresponding behaviour.

For what it's worth, that's how I've always kept them straight in my head.

Also for what it's worth, Perl 6 will mostly default to strict but make it easy to switch back to lax.

Larry

Got that? As of Perl 5.8.7, B<"UTF-8"> means UTF-8 in its current sense, which is conservative and strict and security-conscious, whereas B<"utf8"> means UTF-8 in its former sense, which was liberal and loose and lax. C<Encode> version 2.10 or later thus groks this subtle but critically important distinction between C<"UTF-8"> and C<"utf8">.

encode("utf8", "\x{FFFF_FFFF}", 1); # okay
encode("UTF-8", "\x{FFFF_FFFF}", 1); # croaks

In the C<Encode> module, C<"UTF-8"> is actually a canonical name for C<"utf-8-strict">. That hyphen between the C<"UTF"> and the C<"8"> is critical; without it, C<Encode> goes "liberal" and (perhaps overly-)permissive:

find_encoding("UTF-8")->name # is 'utf-8-strict'
find_encoding("utf-8")->name # ditto. names are case insensitive
find_encoding("utf_8")->name # ditto. "_" are treated as "-"
find_encoding("UTF8")->name # is 'utf8'.

Perl's internal UTF8 flag is called "UTF8", without a hyphen. It indicates whether a string is internally encoded as "utf8", also without a hyphen.

=head1 SEE ALSO

L<Encode::Encoding>,
L<Encode::Supported>,

L<Encode::PerlIO>,
L<encoding>,
L<perlebcdic>,
L<perlfunc/open>,
L<perlunicode>, L<perluniintro>, L<perlunifaq>, L<perlunitut>
L<utf8>,
the Perl Unicode Mailing List L<http://lists.perl.org/list/perl-unicode.html>

=head1 MAINTAINER

This project was originated by the late Nick Ing-Simmons and later
maintained by Dan Kogai I<< <dankogai@cpan.org> >>.  See AUTHORS
for a full list of people involved.  For any questions, send mail to
I<< <perl-unicode@perl.org> >> so that we can all share.

While Dan Kogai retains the copyright as a maintainer, credit
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=cut

Found in path(s):
* /opt/ws_local/PERMITS_SQL/1009860379_1594194177.94/0/perl-Encode-2.51-7.el7.src.rpm-cosi-expand-
archive-5nFhl5I8/Encode-2.51.tar.gz-cosi-expand-archive-P0TWm66s/Encode-2.51/Encode.pm

1.29 urfave-cli 1.20.0

1.29.1 Available under license :

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* configure.ac, Makefile.am: The original versions were derived from the
ones in the XML Catalog Manager project, version 2.2.

Author: Julio Merino <jmmv@users.sourceforge.net>

* atf-c/ui.c: The format_paragraph and format_text functions were
derived form the ones in the Monotone project, revision
3a0982da308228d796df35f98d787c5cfff2bb5b6.

Author: Julio Merino <jmmv@NetBSD.org>

* atf-c++/detail/io.hpp, atf-c++/detail/io.cpp, atf-c++/detail/io_test.cpp:
These files were derived from the file_handle, systembuf, pipe and pistream
classes and tests found in the Boost.Process library.

Author: Julio Merino <jmmv84@gmail.com>

* admin/check-style.sh, admin/check-style-common.awk,
admin/check-style-cpp.awk, admin/check-style-shell.awk: These files,
except the first one, were first implemented in the Buildtool project.
They were later adapted to be part of Boost.Process and, during that
process, the shell script was created.

Author: Julio Merino <jmmv84@gmail.com>

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<!-- Generate ISC copyright comments from Docbook copyright metadata. -->

<xsl:stylesheet version="1.0"
xmlns:xsl="http://www.w3.org/1999/XSL/Transform"
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<xsl:template name="isc.copyright.format">
  <xsl:param name="text"/>
  <xsl:value-of select="$isc.copyright.leader"/>
  <xsl:value-of select="normalize-space(string-before($text, '&#10;'))"/>
  <xsl:text>&#10;</xsl:text>
  <xsl:variable name="rest" select="substring-after($text, '&#10;')"/>
  <xsl:if test="translate($rest, '&#9;&#32;', '')">
    <xsl:call-template name="isc.copyright.format">
      <xsl:with-param name="text" select="$rest"/>
    </xsl:call-template>
  </xsl:if>
</xsl:template>

<xsl:variable name="isc.copyright.text">
<xsl:text>
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</xsl:variable>

<xsl:variable name="isc.copyright">
<xsl:call-template name="isc.copyright.format">
  <xsl:with-param name="text">
    <xsl:for-each select="book/info/copyright | refentry/docinfo/copyright">
      Copyright (C) </xsl:text>
      <xsl:call-template name="copyright.years">
        <xsl:with-param name="years" select="year"/>
      </xsl:call-template>
      <xsl:value-of select="holder"/>
      <xsl:value-of select="$isc.copyright.breakline"/>
    </xsl:for-each>
  </xsl:with-param>
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1.43 libxrender 0.9.10 1.el7

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1.46 httpcomponents-core 4.4.5
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* @author Vincent Rijmen <vincent.rijmen@esat.kuleuven.ac.be>
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Python was created in the early 1990s by Guido van Rossum at Stichting
Mathematisch Centrum (CWI, see http://www.cwi.nl) in the Netherlands
as a successor of a language called ABC. Guido remains Python’s
principal author, although it includes many contributions from others.
In 1995, Guido continued his work on Python at the Corporation for National Research Initiatives (CNRI, see http://www.cnri.reston.va.us) in Reston, Virginia where he released several versions of the software.

In May 2000, Guido and the Python core development team moved to BeOpen.com to form the BeOpen PythonLabs team. In October of the same year, the PythonLabs team moved to Digital Creations (now Zope Corporation, see http://www.zope.com). In 2001, the Python Software Foundation (PSF, see http://www.python.org/psf/) was formed, a non-profit organization created specifically to own Python-related Intellectual Property. Zope Corporation is a sponsoring member of the PSF.

All Python releases are Open Source (see http://www.opensource.org for the Open Source Definition). Historically, most, but not all, Python releases have also been GPL-compatible; the table below summarizes the various releases.

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 *
 * Set the [@code TCP_MD5SIG] option on the socket. See [@code linux/tcp.h] for more details.
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 *
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 */
/**
 * Set the {TCP_MD5SIG} option on the socket. See {linux/tcp.h} for more details.
 * Keys can only be set on, not read to prevent a potential leak, as they are confidential.
 * Allowing them being read would mean anyone with access to the channel could get them. 
 */
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* Frodo Looijaard
  Original author of libsensors, sensors-detect, sensors and isadump.
* Merlin Hughes
  Original author of sensord.
* Bob Schlaermann
  Dynamic chip feature detection (a.k.a. generic chip support) in
  libdrivers and sensors.

* Mark M. Hoffman
  Many improvements to the libdrivers configuration file scanner.

* Jean Delvare
  New libdrivers API, and migration of sensors and sensord thereto.
  Many optimizations in libdrivers and sensors.
  Configuration file converter.
  Rewrite of sensors-detect.
  Support for multiple configuration files in libdrivers.

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jar/io/netty/handler/codec/protobuf/ProtobufVarint32FrameDecoder.java
* /opt/ws_local/PERMITS_SQL/1071961359_1594967659.49/0/netty-codec-4-1-30-final-sources-1-
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* /opt/ws_local/PERMITS_SQL/1071961359_1594967659.49/0/netty-codec-4-1-30-final-sources-1-
jar/io/netty/handler/codec/HeadersUtils.java
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jar/io/netty/handler/codec/ProtocolDetectionResult.java
* /opt/ws_local/PERMITS_SQL/1071961359_1594967659.49/0/netty-codec-4-1-30-final-sources-1-
jar/io/netty/handler/codec/protobuf/ProtobufEncoderNano.java
* /opt/ws_local/PERMITS_SQL/1071961359_1594967659.49/0/netty-codec-4-1-30-final-sources-1-
jar/io/netty/handler/codec/protobuf/ProtobufDecoderNano.java
* /opt/ws_local/PERMITS_SQL/1071961359_1594967659.49/0/netty-codec-4-1-30-final-sources-1-
jar/io/netty/handler/codec/protobuf/ProtobufDecoder.java
* /opt/ws_local/PERMITS_SQL/1071961359_1594967659.49/0/netty-codec-4-1-30-final-sources-1-
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*/
/**
* Enumeration of supported Base64 dialects.
* <p>
* The internal lookup tables in this class has been derived from
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* Base64 Encoder/Decoder</a>.
* */

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* /opt/ws_local/PERMITS_SQL/1071961359_1594967659.49/0/netty-codec-4-1-30-final-sources-1-
  jar/io/netty/handler/codec/EmptyHeaders.java
* /opt/ws_local/PERMITS_SQL/1071961359_1594967659.49/0/netty-codec-4-1-30-final-sources-1-
  jar/io/netty/handler/codec/DefaultHeaders.java

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* /opt/ws_local/PERMITS_SQL/1071961359_1594967659.49/0/netty-codec-4-1-30-final-sources-1-jar/io/netty/handler/codec/compression/ByteBufChecksum.java
* /opt/ws_local/PERMITS_SQL/1071961359_1594967659.49/0/netty-codec-4-1-30-final-sources-1-jar/io/netty/handler/codec/string/LineSeparator.java
* /opt/ws_local/PERMITS_SQL/1071961359_1594967659.49/0/netty-codec-4-1-30-final-sources-1-jar/io/netty/handler/codec/CodecOutputList.java
* /opt/ws_local/PERMITS_SQL/1071961359_1594967659.49/0/netty-codec-4-1-30-final-sources-1-jar/io/netty/handler/codec/DatagramPacketDecoder.java
* /opt/ws_local/PERMITS_SQL/1071961359_1594967659.49/0/netty-codec-4-1-30-final-sources-1-jar/io/netty/handler/codec/DateFormatter.java
* /opt/ws_local/PERMITS_SQL/1071961359_1594967659.49/0/netty-codec-4-1-30-final-sources-1-jar/io/netty/handler/codec/string/LineEncoder.java

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 */

/**
 * A decoder that splits the received ByteBuf's dynamically by the
 * value of the length field in the message. It is particularly useful when you
 * decode a binary message which has an integer header field that represents the
 * length of the message body or the whole message.
 * <p>
 * [%Link LengthFieldBasedFrameDecoder] has many configuration parameters so
 * that it can decode any message with a length field, which is often seen in
 * proprietary client-server protocols. Here are some example that will give
* you the basic idea on which option does what.
*<h3>2 bytes length field at offset 0, do not strip header</h3>
* The value of the length field in this example is `12 (0x0C)` which
* represents the length of "HELLO, WORLD". By default, the decoder assumes
* that the length field represents the number of the bytes that follows the
* length field. Therefore, it can be decoded with the simplistic parameter
* combination.
*<pre>
*<b>lengthFieldOffset</b>   = <b>0</b>
*<b>lengthFieldLength</b>   = <b>2</b>
*lengthAdjustment    = 0
* initialBytesToStrip = 0 (= do not strip header)
*</pre>
* BEFORE DECODE (14 bytes)   AFTER DECODE (14 bytes)
* +--------+----------------+      +--------+----------------+
* | Length | Actual Content |----->| Length | Actual Content |
* | 0x000C | "HELLO, WORLD" |      | 0x000C | "HELLO, WORLD" |
* +--------+----------------+      +--------+----------------+
*</pre>
*<h3>2 bytes length field at offset 0, strip header</h3>
* Because we can get the length of the content by calling
* `{@link ByteBuf#readableBytes()}`, you might want to strip the length
* field by specifying `<tt>initialBytesToStrip</tt>`. In this example, we
* specified `<tt>2</tt>`, that is same with the length of the length field, to
* strip the first two bytes.
*<pre>
* lengthFieldOffset   = 0
* lengthFieldLength   = 2
* lengthAdjustment    = 0
* <b>initialBytesToStrip</b> = <b>2</b> (= the length of the Length field)
*</pre>
* BEFORE DECODE (14 bytes)   AFTER DECODE (12 bytes)
* +--------+----------------+      +----------------+
* | Length | Actual Content |----->| Actual Content |
* | 0x000C | "HELLO, WORLD" |      | "HELLO, WORLD" |
* +--------+----------------+      +--------+----------------+
*</pre>
*<h3>2 bytes length field at offset 0, do not strip header, the length field
* represents the length of the whole message</h3>
* In most cases, the length field represents the length of the message body
* only, as shown in the previous examples. However, in some protocols, the
* length field represents the length of the whole message, including the
* message header. In such a case, we specify a non-zero
* `<tt>lengthAdjustment</tt>`. Because the length value in this example message
* is always greater than the body length by `<tt>2</tt>`, we specify `<tt>-2</tt>`
* as `<tt>lengthAdjustment</tt>` for compensation.
* 
* lengthFieldOffset = 0  
l...
* BEFORE DECODE (17 bytes) AFTER DECODE (17 bytes)
* +----------+----------+-----------------+ +----------+----------+-----------------+
* | Length | Header 1 | Actual Content |----->| Length | Header 1 | Actual Content |
* | 0x00000C | 0xCAFE | "HELLO, WORLD" |      | 0x00000C | 0xCAFE | "HELLO, WORLD" |
* +----------+----------+-----------------+
* </pre>
*
* BEFORE DECODE (16 bytes) AFTER DECODE (13 bytes)
* +-------+---------+-------+-----------------+ +-------+-----------------+
* | HDR1 | Length | HDR2 | Actual Content |----->| HDR2 | Actual Content |
* | 0xCA | 0x000C | 0xFE | "HELLO, WORLD" |      | 0xFE | "HELLO, WORLD" |
* +-------+---------+-------+-----------------+
* </pre>
* <h3>2 bytes length field at offset 1 in the middle of 4 bytes header, strip the first header field and the length field</h3>
*
* This is a combination of all the examples above. There are the prepended
* header before the length field and the extra header after the length field.
* The prepended header affects the lengthFieldOffset and the extra header affects the
* lengthAdjustment. We also specified a non-zero initialBytesToStrip to strip the length field and the prepended
* header from the frame. If you don't want to strip the prepended header, you
* could specify initialBytesToSkip for initialBytesToStrip.
* <pre>
* lengthFieldOffset = 1 (= the length of HDR1)
* lengthFieldLength = 2
* <b>lengthAdjustment</b> = <b>-3</b> (= the length of HDR1 + LEN, negative)
* <b>initialBytesToStrip</b> = <b>3</b>
* +-------+---------+-------+-----------------+ +-------+-----------------+
* | HDR1 | Length | HDR2 | Actual Content |----->| HDR2 | Actual Content |
* | 0xCA | 0x000C | 0xFE | "HELLO, WORLD" |      | 0xFE | "HELLO, WORLD" |
* +-------+---------+-------+-----------------+
* </pre>
* <h3>2 bytes length field at offset 1 in the middle of 4 bytes header, strip the first header field and the length field</h3>
* strip the first header field and the length field
* represents the length of the whole message
* Let's give another twist to the previous example. The only difference from
* the previous example is that the length field represents the length of the
* whole message instead of the message body, just like the third example.
* We have to count the length of HDR1 and Length into lengthAdjustment.
* Please note that we don't need to take the length of HDR2 into account
* because the length field already includes the whole header length.
* <pre>
* lengthFieldOffset = 1
* lengthFieldLength = 2
* <b>lengthAdjustment</b> = <b>-3</b> (= the length of HDR1 + LEN, negative)
* <b>initialBytesToStrip</b> = <b>3</b>
* +-------+---------+-------+-----------------+ +-------+-----------------+
* | HDR1 | Length | HDR2 | Actual Content |----->| HDR2 | Actual Content |
* | 0xCA | 0x000C | 0xFE | "HELLO, WORLD" |      | 0xFE | "HELLO, WORLD" |
* +-------+---------+-------+-----------------+
* </pre>
* HDR1 | Length | HDR2 | Actual Content | --- | HDR2 | Actual Content |
* 0xCA | 0x0010 | 0xFE | "HELLO, WORLD" | | 0xFE | "HELLO, WORLD" |
* @see LengthFieldPrepender
*/

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/**
* Utility class for {@link ByteBuf} that encodes and decodes to and from
* <a href="http://en.wikipedia.org/wiki/Base64">Base64</a> notation.
* 
* The encoding and decoding algorithm in this class has been derived from
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* /opt/ws_local/PERMITS_SQL/1071961359_1594967659.49/0/netty-codec-4-1-30-final-sources-1-jar/io/netty/handler/codec/CharSequenceValueConverter.java
* /opt/ws_local/PERMITS_SQL/1071961359_1594967659.49/0/netty-codec-4-1-30-final-sources-1-jar/io/netty/handler/codec/DefaultHeadersImpl.java

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* /opt/ws_local/PERMITS_SQL/1071987997_1594968008.5/0/org-eclipse-jgit-4-11-0-201803080745-r-sources-jar/org/eclipse/jgit/api/SubmoduleInitCommand.java
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* /opt/ws_local/PERMITS_SQL/1071987997_1594968008.5/0/org-eclipse-jgit-4-11-0-201803080745-r-sources-jar/org/eclipse/jgit/util/io/SafeBufferedOutputStream.java

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* /opt/ws_local/PERMITS_SQL/1071987997_1594968008.5/0/org-eclipse-jgit-4-11-0-201803080745-r-sources.jar/org/eclipse/jgit/lib/DefaultTypedConfigGetter.java
* /opt/ws_local/PERMITS_SQL/1071987997_1594968008.5/0/org-eclipse-jgit-4-11-0-201803080745-r-sources.jar/org/eclipse/jgit/events/WorkingTreeModifiedListener.java
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* /opt/ws_local/PERMITS_SQL/1071987997_1594968008.5/0/org-eclipse-jgit-4-11-0-201803080745-r-sources-jar/org/eclipse/jgit/errors/PackMismatchException.java
* /opt/ws_local/PERMITS_SQL/1071987997_1594968008.5/0/org-eclipse-jgit-4-11-0-201803080745-r-sources-jar/org/eclipse/jgit/treewalk/filter/PathSuffixFilter.java
* /opt/ws_local/PERMITS_SQL/1071987997_1594968008.5/0/org-eclipse-jgit-4-11-0-201803080745-r-sources-jar/org/eclipse/jgit/lib/ObjectDatabase.java
* /opt/ws_local/PERMITS_SQL/1071987997_1594968008.5/0/org-eclipse-jgit-4-11-0-201803080745-r-sources-jar/org/eclipse/jgit/internal/storage/file/PackLock.java
* /opt/ws_local/PERMITS_SQL/1071987997_1594968008.5/0/org-eclipse-jgit-4-11-0-201803080745-r-sources-jar/org/eclipse/jgit/diff/EditList.java
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* /opt/ws_local/PERMITS_SQL/1071987997_1594968008.5/0/org-eclipse-jgit-4-11-0-201803080745-r-sources-jar/org/eclipse/jgit/errors/ConfigInvalidException.java
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* /opt/ws_local/PERMITS_SQL/1071987997_1594968008.5/0/org-eclipse-jgit-4-11-0-201803080745-r-sources-jar/org/eclipse/jgit/storage/file/WindowCacheConfig.java
* /opt/ws_local/PERMITS_SQL/1071987997_1594968008.5/0/org-eclipse-jgit-4-11-0-201803080745-r-sources-jar/org/eclipse/jgit/internal/storage/file/ObjectDirectory.java
* /opt/ws_local/PERMITS_SQL/1071987997_1594968008.5/0/org-eclipse-jgit-4-11-0-201803080745-r-sources-jar/org/eclipse/jgit/revwalk/FooterLine.java
* /opt/ws_local/PERMITS_SQL/1071987997_1594968008.5/0/org-eclipse-jgit-4-11-0-201803080745-r-sources-jar/org/eclipse/jgit/util/LongMap.java
* /opt/ws_local/PERMITS_SQL/1071987997_1594968008.5/0/org-eclipse-jgit-4-11-0-201803080745-r-sources-jar/org/eclipse/jgit/revwalk/FooterKey.java
* /opt/ws_local/PERMITS_SQL/1071987997_1594968008.5/0/org-eclipse-jgit-4-11-0-201803080745-r-sources-jar/org/eclipse/jgit/util/io/InterruptTimer.java

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* /opt/ws_local/PERMITS_SQL/1071987997_1594968008.5/0/org-eclipse-jgit-4-11-0-201803080745-r-sources-jar/org/eclipse/jgit/errors/CommandFailedException.java

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* /opt/ws_local/PERMITS_SQL/1071987997_1594968008.5/0/org-eclipse-jgit-4-11-0-201803080745-r-sources.jar/org/eclipse/jgit/api/errors/PatchApplyException.java

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* /opt/ws_local/PERMITS_SQL/1071987997_1594968008.5/0/org-eclipse-jgit-4-11-0-201803080745-r-sources.jar/org/eclipse/jgit/dircache/BaseDirCacheEditor.java
* /opt/ws_local/PERMITS_SQL/1071987997_1594968008.5/0/org-eclipse-jgit-4-11-0-201803080745-r-sources.jar/org/eclipse/jgit/treewalk/filter/PathFilter.java

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* /opt/ws_local/PERMITS_SQL/1071987997_1594968008.5/0/org-eclipse-jgit-4-11-0-201803080745-r-sources-
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* /opt/ws_local/PERMITS_SQL/1071987997_1594968008.5/0/org-eclipse-jgit-4-11-0-201803080745-r-sources-
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* /opt/ws_local/PERMITS_SQL/1071987997_1594968008.5/0/org-eclipse-jgit-4-11-0-201803080745-r-sources-jar/org/eclipse/jgit/util/io/TeeInputStream.java

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* /opt/ws_local/PERMITS_SQL/1071987997_1594968008.5/0/org-eclipse-jgit-4-11-0-201803080745-r-sources-jar/org/eclipse/jgit/internal/ketch/ReplicaConfig.java
* /opt/ws_local/PERMITS_SQL/1071987997_1594968008.5/0/org-eclipse-jgit-4-11-0-201803080745-r-sources-jar/org/eclipse/jgit/transport/InsecureCipherFactory.java
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* /opt/ws_local/PERMITS_SQL/1071987997_1594968008.5/0/org-eclipse-jgit-4-11-0-201803080745-r-sources-jar/org/eclipse/jgit/revwalk/RevTag.java

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* /opt/ws_local/PERMITS_SQL/1071987997_1594968008.50/org-eclipse-jgit-4-11-0-201803080745-r-sources-jar/org/eclipse/jgit/fnmatch/LastHead.java
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  */opt/ws_local/PERMITS_SQL/1071987997_1594968008.5/0/org-eclipse-jgit-4-11-0-201803080745-r-sources-
  * jar/org/eclipse/jgit/errors/NoPackSignatureException.java
  */opt/ws_local/PERMITS_SQL/1071987997_1594968008.5/0/org-eclipse-jgit-4-11-0-201803080745-r-sources-
  * jar/org/eclipse/jgit/errors/UnsupportedPackIndexVersionException.java

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 */
/**
 * {@inheritDoc}
 * <p>
 * Free resources associated with this instance.
 * <p>
 * If the repository was opened by a static factory method in this class,
 * then this method calls {@link Repository#close()} on the underlying
 * repository instance. (Whether this actually releases underlying
 * resources, such as file handles, may vary; see {@link Repository} for
 * more details.)
 * <p>
 * If the repository was created by a caller and passed into
 * [{@link #Git(Repository)} or a static factory method in this class, then
 * this method does not call close on the underlying repository.
 * <p>
 * In all cases, after calling this method you should not use this
 * [{@link Git} instance anymore.
 *
 * @since 3.2
 */

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* /opt/ws_local/PERMITS_SQL/1071987997_1594968008.5/0/org-eclipse-jgit-4-11-0-201803080745-r-sources-jar/org/eclipse/jgit/internal/storage/file/PackIndexWriter.java
* /opt/ws_local/PERMITS_SQL/1071987997_1594968008.5/0/org-eclipse-jgit-4-11-0-201803080745-r-sources-jar/org/eclipse/jgit/transport/FetchProcess.java
* /opt/ws_local/PERMITS_SQL/1071987997_1594968008.5/0/org-eclipse-jgit-4-11-0-201803080745-r-sources-jar/org/eclipse/jgit/transport/WalkFetchConnection.java
* /opt/ws_local/PERMITS_SQL/1071987997_1594968008.5/0/org-eclipse-jgit-4-11-0-201803080745-r-sources-jar/org/eclipse/jgit/internal/storage/file/PackIndexWriterV1.java
* /opt/ws_local/PERMITS_SQL/1071987997_1594968008.5/0/org-eclipse-jgit-4-11-0-201803080745-r-sources-jar/org/eclipse/jgit/transport/SideBandInputStream.java

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* /opt/ws_local/PERMITS_SQL/1071987997_1594968008.5/0/org-eclipse-jgit-4-11-0-201803080745-r-sources-jar/org/eclipse/jgit/treewalk/AbstractTreeIterator.java

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* /opt/ws_local/PERMITS_SQL/1071987997_1594968008.5/0/org-eclipse-jgit-4-11-0-201803080745-r-sources.jar/org/eclipse/jgit/treewalk/CanonicalTreeParser.java

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* /opt/ws_local/PERMITS_SQL/1071987997_1594968008.5/0/org-eclipse-jgit-4-11-0-201803080745-r-sources-jar/org/eclipse/jgit/api/errors/WrongRepositoryStateException.java
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* /opt/ws_local/PERMITS_SQL/1071987997_1594968008.5/0/org-eclipse-jgit-4-11-0-201803080745-r-sources-jar/org/eclipse/jgit/util/FileUtil.java

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* /opt/ws_local/PERMITS_SQL/1071987997_1594968008.5/0/org-eclipse-jgit-4-11-0-201803080745-r-sources-jar/org/eclipse/jgit/annotations/Nullable.java
* /opt/ws_local/PERMITS_SQL/1071987997_1594968008.5/0/org-eclipse-jgit-4-11-0-201803080745-r-sources-jar/org/eclipse/jgit/gitrepo/ManifestParser.java
* /opt/ws_local/PERMITS_SQL/1071987997_1594968008.5/0/org-eclipse-jgit-4-11-0-201803080745-r-sources-jar/org/eclipse/jgit/transport/HMACSHA1NonceGenerator.java
* /opt/ws_local/PERMITS_SQL/1071987997_1594968008.5/0/org-eclipse-jgit-4-11-0-201803080745-r-sources-jar/org/eclipse/jgit/transport/NonceGenerator.java
* /opt/ws_local/PERMITS_SQL/1071987997_1594968008.5/0/org-eclipse-jgit-4-11-0-201803080745-r-sources-jar/org/eclipse/jgit/transport/InternalPushConnection.java
* /opt/ws_local/PERMITS_SQL/1071987997_1594968008.5/0/org-eclipse-jgit-4-11-0-201803080745-r-sources-jar/org/eclipse/jgit/transport/InternalHttpServerGlue.java
* /opt/ws_local/PERMITS_SQL/1071987997_1594968008.5/0/org-eclipse-jgit-4-11-0-201803080745-r-sources-jar/org/eclipse/jgit/transport/TestProtocol.java
* /opt/ws_local/PERMITS_SQL/1071987997_1594968008.5/0/org-eclipse-jgit-4-11-0-201803080745-r-sources-jar/org/eclipse/jgit/transport/WriteAbortedException.java
* /opt/ws_local/PERMITS_SQL/1071987997_1594968008.5/0/org-eclipse-jgit-4-11-0-201803080745-r-sources-jar/org/eclipse/jgit/transport/PushCertificateStore.java

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* /opt/ws_local/PERMITS_SQL/1071987997_1594968008.5/0/org-eclipse-jgit-4-11-0-201803080745-r-sources-jar/org/eclipse/jgit/util/HttpSupport.java

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*/opt/ws_local/PERMITS_SQL/1071987997_1594968008.5/0/org-eclipse-jgit-4-11-0-201803080745-r-sources-jar/org/eclipse/jgit/lib/ FileMode.java
*/opt/ws_local/PERMITS_SQL/1071987997_1594968008.5/0/org-eclipse-jgit-4-11-0-201803080745-r-sources-jar/org/eclipse/jgit/internal/storage/file/LockFile.java
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A special exception thrown when `AutoLFInputStream` is told to throw an exception when attempting to read a binary file. The exception may be thrown at any stage during reading.

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* /opt/ws_local/PERMITS_SQL/1071987997_1594968008.5/0/org-eclipse-jgit-4-11-0-201803080745-r-sources-jar/org/eclipse/jgit/api/ReflogCommand.java
* /opt/ws_local/PERMITS_SQL/1071987997_1594968008.5/0/org-eclipse-jgit-4-11-0-201803080745-r-sources-jar/org/eclipse/jgit/api/ListNotesCommand.java
* /opt/ws_local/PERMITS_SQL/1071987997_1594968008.5/0/org-eclipse-jgit-4-11-0-201803080745-r-sources-jar/org/eclipse/jgit/api/RemoveNoteCommand.java
* /opt/ws_local/PERMITS_SQL/1071987997_1594968008.5/0/org-eclipse-jgit-4-11-0-201803080745-r-sources-jar/org/eclipse/jgit/api/ShowNoteCommand.java

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* /opt/ws_local/PERMITS_SQL/1071987997_1594968008.5/0/org-eclipse-jgit-4-11-0-201803080745-r-sources-jar/org/eclipse/jgit/transport/TrackingRefUpdate.java

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* /opt/ws_local/PERMITS_SQL/1071987997_1594968008.5/0/org-eclipse-jgit-4-11-0-201803080745-r-sources.jar/org/eclipse/jgit/internal/storage/file/InfoAttributesNode.java

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jar/org/eclipse/jgit/internal/revwalk/AddUnseenToBitmapFilter.java
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* /opt/ws_local/PERMITS_SQL/1071987997_1594968008.5/0/org-eclipse-jgit-4-11-0-20180308T0745-r-sources-
jar/org/eclipse/jgit/internal/storage/dfs/DfsReaderIoStats.java
* /opt/ws_local/PERMITS_SQL/1071987997_1594968008.5/0/org-eclipse-jgit-4-11-0-20180308T0745-r-sources-
jar/org/eclipse/jgit/internal/storage/reftable/Reftable.java
* /opt/ws_local/PERMITS_SQL/1071987997_1594968008.5/0/org-eclipse-jgit-4-11-0-20180308T0745-r-sources-
jar/org/eclipse/jgit/internal/storage/reftable/RefCursor.java
* /opt/ws_local/PERMITS_SQL/1071987997_1594968008.5/0/org-eclipse-jgit-4-11-0-20180308T0745-r-sources-
jar/org/eclipse/jgit/internal/storage/reftable/ReftableWriter.java
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jar/org/eclipse/jgit/internal/storage/reftable/ReftableReader.java
* /opt/ws_local/PERMITS_SQL/1071987997_1594968008.5/0/org-eclipse-jgit-4-11-0-20180308T0745-r-sources-
jar/org/eclipse/jgit/errors/CorruptPackIndexException.java
* /opt/ws_local/PERMITS_SQL/1071987997_1594968008.5/0/org-eclipse-jgit-4-11-0-20180308T0745-r-sources-
jar/org/eclipse/jgit/internal/storage/dfs/ReftableBatchRefUpdate.java
* /opt/ws_local/PERMITS_SQL/1071987997_1594968008.5/0/org-eclipse-jgit-4-11-0-20180308T0745-r-sources-
jar/org/eclipse/jgit/util/sha1/Sha1CollisionException.java

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* /opt/ws_local/PERMITS_SQL/1071987997_1594968008.5/0/org-eclipse-jgit-4-11-0-201803080745-r-sources-
  jar/org/eclipse/jgit/revwalk/RevBlob.java
* /opt/ws_local/PERMITS_SQL/1071987997_1594968008.5/0/org-eclipse-jgit-4-11-0-201803080745-r-sources-
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* /opt/ws_local/PERMITS_SQL/1071987997_1594968008.5/0/org-eclipse-jgit-4-11-0-201803080745-r-sources.jar/org/eclipse/jgit/internal/storage/file/PackReverseIndex.java
* /opt/ws_local/PERMITS_SQL/1071987997_1594968008.5/0/org-eclipse-jgit-4-11-0-201803080745-r-sources.jar/org/eclipse/jgit/transport/PushProcess.java

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* /opt/ws_local/PERMITS_SQL/1071987997_1594968008.5/0/org-eclipse-jgit-4-11-0-201803080745-r-sources-jar/org/eclipse/jgit/transport/PackParser.java

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* /opt/ws_local/PERMITS_SQL/1071987997_1594968008.5/0/org-eclipse-jgit-4-11-0-201803080745-r-sources.jar/org/eclipse/jgit/errors/TransportException.java
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  */opt/ws_local/PERMITS_SQL/1071987997_1594968008.5/0/org-eclipse-jgit-4-11-0-201803080745-r-sources-
  java/org/eclipse/jgit/api/InitCommand.java
  */opt/ws_local/PERMITS_SQL/1071987997_1594968008.5/0/org-eclipse-jgit-4-11-0-201803080745-r-sources-
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* /opt/ws_local/PERMITS_SQL/1071987997_1594968008.5/0/org-eclipse-jgit-4-11-0-201803080745-r-sources-jar/org/eclipse/jgit/revwalk/Filter/RevFlagFilter.java
* /opt/ws_local/PERMITS_SQL/1071987997_1594968008.5/0/org-eclipse-jgit-4-11-0-201803080745-r-sources-jar/org/eclipse/jgit/revwalk/Filter/TreeFilter.java
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* /opt/ws_local/PERMITS_SQL/1071987997_1594968008.5/0/org-eclipse-jgit-4-11-0-201803080745-r-sources-jar/org/eclipse/jgit/revwalk/BlockObjQueue.java
* /opt/ws_local/PERMITS_SQL/1071987997_1594968008.5/0/org-eclipse-jgit-4-11-0-201803080745-r-sources-jar/org/eclipse/jgit/errors/NoRemoteRepositoryException.java
* /opt/ws_local/PERMITS_SQL/1071987997_1594968008.5/0/org-eclipse-jgit-4-11-0-201803080745-r-sources-jar/org/eclipse/jgit/errors/CompoundException.java
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* /opt/ws_local/PERMITS_SQL/1071987997_1594968008.5/0/org-eclipse-jgit-4-11-0-201803080745-r-sources-jar/org/eclipse/jgit/revwalk/filter/SubStringRevFilter.java
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* /opt/ws_local/PERMITS_SQL/1071987997_1594968008.5/0/org-eclipse-jgit-4-11-0-201803080745-r-sources-jar/org/eclipse/jgit/merge/StrategyOneSided.java

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* /opt/ws_local/PERMITS_SQL/1071987997_1594968008.5/0/org-eclipse-jgit-4-11-0-201803080745-r-sources-jar/org/eclipse/jgit/internal/storage/pack/PackWriter.java

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* /opt/ws_local/PERMITS_SQL/1071987997_1594968008.5/0/org-eclipse-jgit-4-11-0-201803080745-r-sources-jar/org/eclipse/jgit/transport/BasePackConnection.java

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/**
 * Fetch objects we don't have but that are reachable from advertised refs.
 * <p>
 * Only one call per connection is allowed. Subsequent calls will result in
 * [{@link org.eclipse.jgit.errors.TransportException}].
 * </p>
 * <p>
 * Implementations are free to use network connections as necessary to
 * efficiently (for both client and server) transfer objects from the remote
 * repository into this repository. When possible implementations should
 * avoid replacing/overwriting/duplicating an object already available in
 * the local destination repository. Locally available objects and packs
 * should always be preferred over remotely available objects and packs.
 * [{@link org.eclipse.jgit.transport.Transport#isFetchThin()}] should be
 * honored if applicable.
@param monitor
progress monitor to inform the end-user about the amount of
work completed, or to indicate cancellation. Implementations
should poll the monitor at regular intervals to look for
cancellation requests from the user.

@param want
one or more refs advertised by this connection that the caller
wants to store locally.

@param have
additional objects known to exist in the destination
repository, especially if they aren't yet reachable by the ref
database. Connections should take this set as an addition to
what is reachable through all Refs, not in replace of it.

@throws org.eclipse.jgit.errors.TransportException
objects could not be copied due to a network failure,
protocol error, or error on remote side, or connection was
already used for fetch.

*/

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- /opt/ws_local/PERMITS_SQL/1071987997_1594968008.5/0/org-eclipse-jgit-4-11-0-201803080745-r-sources-jar/org/eclipse/jgit/errors/IncorrectObjectTypeException.java

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* /opt/ws_local/PERMITS_SQL/1071987997_1594968008.5/0/org-eclipse-jgit-4-11-0-201803080745-r-sources-jar/org/eclipse/jgit/errors/TranslationBundleException.java
* /opt/ws_local/PERMITS_SQL/1071987997_1594968008.5/0/org-eclipse-jgit-4-11-0-201803080745-r-sources-jar/org/eclipse/jgit/notes/NoteMapMerger.java
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* /opt/ws_local/PERMITS_SQL/1071987997_1594968008.5/0/org-eclipse-jgit-4-11-0-201803080745-r-sources-jar/org/eclipse/jgit/errors/TranslationBundleLoadingException.java
* /opt/ws_local/PERMITS_SQL/1071987997_1594968008.5/0/org-eclipse-jgit-4-11-0-201803080745-r-sources-jar/org/eclipse/jgit/notes/NotesMergeConflictException.java
* /opt/ws_local/PERMITS_SQL/1071987997_1594968008.5/0/org-eclipse-jgit-4-11-0-201803080745-r-sources-jar/org/eclipse/jgit/nls/GlobalBundleCache.java

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* /opt/ws_local/PERMITS_SQL/1071987997_1594968008.5/0/org-eclipse-jgit-4-11-0-201803080745-r-sources-jar/org/eclipse/jgit/transport/SideBandOutputStream.java
* /opt/ws_local/PERMITS_SQL/1071987997_1594968008.5/0/org-eclipse-jgit-4-11-0-201803080745-r-sources-jar/org/eclipse/jgit/transport/BundleWriter.java
* /opt/ws_local/PERMITS_SQL/1071987997_1594968008.5/0/org-eclipse-jgit-4-11-0-201803080745-r-sources-jar/org/eclipse/jgit/transport/ReceivePack.java
* /opt/ws_local/PERMITS_SQL/1071987997_1594968008.5/0/org-eclipse-jgit-4-11-0-201803080745-r-sources-jar/org/eclipse/jgit/transport/BundleWriter.java
* /opt/ws_local/PERMITS_SQL/1071987997_1594968008.5/0/org-eclipse-jgit-4-11-0-201803080745-r-sources-jar/org/eclipse/jgit/transport/SideBandOutputStream.java
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* /opt/ws_local/PERMITS_SQL/1071987997_1594968008.5/0/org-eclipse-jgit-4-11-0-201803080745-r-sources-jar/org/eclipse/jgit/transport/BaseReceivePack.java
* /opt/ws_local/PERMITS_SQL/1071987997_1594968008.5/0/org-eclipse-jgit-4-11-0-201803080745-r-sources-jar/org/eclipse/jgit/transport/ReceivePack.java

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* /opt/ws_local/PERMITS_SQL/1071987997_1594968008.5/0/org-eclipse-jgit-4-11-0-201803080745-r-sources-jar/org/eclipse/jgit/transport/PushConfig.java

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/**
 * A special exception thrown when [AutoLFInputStream} is told to
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 * may be thrown at any stage during reading.
 *
 * @since 3.3
 */

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* /opt/ws_local/PERMITS_SQL/1071987997_1594968008.5/0/org-eclipse-jgit-4-11-0-201803080745-r-sources-jar/org/eclipse/jgit/util/io/AutoLFInputStream.java

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* /opt/ws_local/PERMITS_SQL/1071987997_1594968008.5/0/org-eclipse-jgit-4-11-0-201803080745-r-sources-jar/org/eclipse/jgit/api/RemoteSetUrlCommand.java
* /opt/ws_local/PERMITS_SQL/1071987997_1594968008.5/0/org-eclipse-jgit-4-11-0-201803080745-r-sources-jar/org/eclipse/jgit/api/RemoteListCommand.java
* /opt/ws_local/PERMITS_SQL/1071987997_1594968008.5/0/org-eclipse-jgit-4-11-0-201803080745-r-sources-jar/org/eclipse/jgit/api/RemoteRemoveCommand.java
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* /opt/ws_local/PERMITS_SQL/1071987997_1594968008.5/0/org-eclipse-jgit-4-11-0-201803080745-r-sources-
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* /opt/ws_local/PERMITS_SQL/1071987997_1594968008.5/0/org-eclipse-jgit-4-11-0-201803080745-r-sources-jar/org/eclipse/jgit/attributes/AttributesNode.java
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  jar/org/eclipse/jgit/api/LogCommand.java
* /opt/ws_local/PERMITS_SQL/1071987997_1594968008.5/0/org-eclipse-jgit-4-11-0-201803080745-r-sources-
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* /opt/ws_local/PERMITS_SQL/1071987997_1594968008.5/0/org-eclipse-jgit-4-11-0-201803080745-r-sources-jar/org/eclipse/jgit/util/FS_POSIX.java

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* /opt/ws_local/PERMITS_SQL/1071987997_1594968008.5/0/org-eclipse-jgit-4-11-0-201803080745-r-sources-jar/org/eclipse/jgit/treewalk/filter/SkipWorkTreeFilter.java
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* /opt/ws_local/PERMITS_SQL/1071987997_1594968008.5/0/org-eclipse-jgit-4-11-0-201803080745-r-sources-jar/org/eclipse/jgit/revwalk/RevWalk.java

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1.79 fuse 2.9.2 11.el7

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1.85 elfutils 0.168-8.el7

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* /opt/ws_local/PERMITS_SQL/1071989872_1594967525.12/0/netty-buffer-4-1-30-final-sources-1-
jar/io/netty/buffer/PooledDuplicatedByteBuf.java
* /opt/ws_local/PERMITS_SQL/1071989872_1594967525.12/0/netty-buffer-4-1-30-final-sources-1-
jar/io/netty/buffer/WrappedUnpooledUnsafeDirectByteBuf.java
* /opt/ws_local/PERMITS_SQL/1071989872_1594967525.12/0/netty-buffer-4-1-30-final-sources-1-
jar/io/netty/buffer/PooledUnsafeHeapByteBuf.java
* /opt/ws_local/PERMITS_SQL/1071989872_1594967525.12/0/netty-buffer-4-1-30-final-sources-1-
jar/io/netty/buffer/PoolChunkListMetric.java
* /opt/ws_local/PERMITS_SQL/1071989872_1594967525.12/0/netty-buffer-4-1-30-final-sources-1-
jar/io/netty/buffer/HeapByteBufUtil.java

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jar/io/netty/buffer/PoolChunkListMetric.java
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*/  /opt/ws_local/PERMITS_SQL/1071989872_1594967525.12/0/netty-buffer-4-1-30-final-sources-1-
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  jar/io/netty/buffer/PoolChunkList.java
* /opt/ws_local/PERMITS_SQL/1071989872_1594967525.12/0/netty-buffer-4-1-30-final-sources-1-
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* /opt/ws_local/PERMITS_SQL/1071989872_1594967525.12/0/netty-buffer-4-1-30-final-sources-1-
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* /opt/ws_local/PERMITS_SQL/1071989872_1594967525.12/0/netty-buffer-4-1-30-final-sources-1-
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* /opt/ws_local/PERMITS_SQL/1071989872_1594967525.12/0/netty-buffer-4-1-30-final-sources-1-
  jar/io/netty/buffer/ByteBufInputStream.java
* /opt/ws_local/PERMITS_SQL/1071989872_1594967525.12/0/netty-buffer-4-1-30-final-sources-1-
  jar/io/netty/buffer/PoolThreadCache.java
* /opt/ws_local/PERMITS_SQL/1071989872_1594967525.12/0/netty-buffer-4-1-30-final-sources-1-
  jar/io/netty/buffer/PoolChunk.java
* /opt/ws_local/PERMITS_SQL/1071989872_1594967525.12/0/netty-buffer-4-1-30-final-sources-1-
  jar/io/netty/buffer/PoolChunkList.java

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* /opt/ws_local/PERMITS_SQL/1071989872_1594967525.12/0/netty-buffer-4-1-30-final-sources-1.jar/io/netty/buffer/ByteBufOutputStream.java
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1.89 maven-resolver-spi 1.4.1

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1.93 pygobject 3.22.0 1.el7_4.1
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1.101 shadow-utils 4.6-8.el7_7.0atomix1

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- javaee_web_services_client_1_3.xsd
- jsp_2_2.xsd
- web-app_3_0.xsd
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- javaee_web_services_1_4.xsd
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1.104 jline-builtins 3.6.0

1.105 consul-client 1.3.0
1.106 reactor-extra 3.1.6.RELEASE

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  */opt/ws_local/PERMITS_SQL/1071990856_1594967562.89/0/reactor-extra-3-1-6-release-sources-1-jar/reactor/retry/Retry.java
  */opt/ws_local/PERMITS_SQL/1071990856_1594967562.89/0/reactor-extra-3-1-6-release-sources-1-jar/reactor/retry/RetryExhaustedException.java
  */opt/ws_local/PERMITS_SQL/1071990856_1594967562.89/0/reactor-extra-3-1-6-release-sources-1-jar/reactor/retry/RepeatContext.java
  */opt/ws_local/PERMITS_SQL/1071990856_1594967562.89/0/reactor-extra-3-1-6-release-sources-1-jar/reactor/retry/Jitter.java
  */opt/ws_local/PERMITS_SQL/1071990856_1594967562.89/0/reactor-extra-3-1-6-release-sources-1-jar/reactor/retry/Backoff.java
  */opt/ws_local/PERMITS_SQL/1071990856_1594967562.89/0/reactor-extra-3-1-6-release-sources-1-jar/reactor/retry/DefaultRepeat.java
  */opt/ws_local/PERMITS_SQL/1071990856_1594967562.89/0/reactor-extra-3-1-6-release-sources-1-jar/reactor/math/MathFlux.java
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1.107 netty-transport 4.1.30.Final

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* /opt/ws_local/PERMITS_SQL/1071982953_1594967905.71/0/netty-transport-4-1-30-final-sources-1-jar/io/netty/channel/DefaultAddressedEnvelope.java
* /opt/ws_local/PERMITS_SQL/1071982953_1594967905.71/0/netty-transport-4-1-30-final-sources-1-jar/io/netty/channel/AbstractEventLoopGroup.java
* /opt/ws_local/PERMITS_SQL/1071982953_1594967905.71/0/netty-transport-4-1-30-final-sources-1-jar/io/netty/channel/socket/oio/DefaultOioServerSocketChannelConfig.java
* /opt/ws_local/PERMITS_SQL/1071982953_1594967905.71/0/netty-transport-4-1-30-final-sources-1-jar/security/SecurityConfigurator.java
* /opt/ws_local/PERMITS_SQL/1071982953_1594967905.71/0/netty-transport-4-1-30-final-sources-1-jar/security/SecurityPolicy.java
* /opt/ws_local/PERMITS_SQL/1071982953_1594967905.71/0/netty-transport-4-1-30-final-sources-1-jar/security/SecurityPolicyFactory.java
* /opt/ws_local/PERMITS_SQL/1071982953_1594967905.71/0/netty-transport-4-1-30-final-sources-1-jar/security/SecurityPolicyFactoryDefault.java
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  jar/io/netty/channel/socket/oio/OioDatagramChannelConfig.java
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  jar/io/netty/channel/internal/package-info.java
* /opt/ws_local/PERMITS_SQL/1071982953_1594967905.71/0/netty-transport-4-1-30-final-sources-1-
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    jar/io/netty/channel/pool/ChannelPoolMap.java
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    jar/io/netty/channel/MaxMessagesRecvByteBufAllocator.java
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    jar/io/netty/channel/pool/AbstractChannelPoolMap.java
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    jar/io/netty/channel/pool/package-info.java
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    jar/io/netty/channel/pool/DefaultMaxBytesRecvByteBufAllocator.java
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    jar/io/netty/channel/pool/ChannelPoolHandler.java
  * /opt/ws_local/PERMITS_SQL/1071982953_1594967905.71/0/netty-transport-4-1-30-final-sources-1-
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    jar/io/netty/channel/pool/DefaultMaxBytesRecvByteBufAllocator.java
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 */

/**
* Handles an I/O event or intercepts an I/O operation, and forwards it to its next handler in
* its {@link ChannelPipeline}.
* *
* <h3>Sub-types</h3>
* <p>
* {@link ChannelHandler} itself does not provide many methods, but you usually have to implement one of its
subtypes:
* <ul>
* <li>[@link ChannelInboundHandler] to handle inbound I/O events, and</li>
* <li>[@link ChannelOutboundHandler] to handle outbound I/O operations.</li>
* </ul>
* </p>
* </p>
* Alternatively, the following adapter classes are provided for your convenience:
* <ul>
* <li>[@link ChannelInboundHandlerAdapter] to handle inbound I/O events,</li>
* <li>[@link ChannelOutboundHandlerAdapter] to handle outbound I/O operations, and</li>
* <li>[@link ChannelDuplexHandler] to handle both inbound and outbound events</li>
* </ul>
* </p>
* </p>
* For more information, please refer to the documentation of each subtype.
* </p>
* </p>
* <h3>The context object</h3>
* </p>
* A [@link ChannelHandler] is provided with a [@link ChannelHandlerContext] object. A [@link ChannelHandler] is supposed to interact with the [@link ChannelPipeline] it belongs to via a context object. Using the context object, the [@link ChannelHandler] can pass events upstream or downstream, modify the pipeline dynamically, or store the information (using [@link AttributeKey]) which is specific to the handler.
* </p>
* </p>
* <h3>State management</h3>
* </p>
* A [@link ChannelHandler] often needs to store some stateful information. The simplest and recommended approach is to use member variables:
* </pre>
* public interface Message {
*     // your methods here
* }
* </p>
* public class DataServerHandler extends [@link SimpleChannelInboundHandler]<Message> {
*     private boolean loggedIn;
*     <b>private boolean loggedIn;</b>
*     <h3>State management</h3>
*     <pre>
*     @code @Override
*     public void channelRead0([@link ChannelHandlerContext] ctx, Message message) {
*         if (message instanceof LoginMessage) {
*             authenticate((LoginMessage) message);
*             loggedIn = true;
*         } else (message instanceof GetDataMessage) {
*             ctx.writeAndFlush(fetchSecret((GetDataMessage) message));
*         }
*     }
* </pre>
Because the handler instance has a state variable which is dedicated to
one connection, you have to create a new handler instance for each new
channel to avoid a race condition where a unauthenticated client can get
the confidential information:

```java
// Create a new handler instance per channel.
// See {@link ChannelInitializer#initChannel(Channel)}.
public class DataServerInitializer extends {@link ChannelInitializer}<{@link Channel}> {
    {@code @Override}
    public void initChannel({@link Channel} channel) {
        channel.pipeline().addLast("handler", <b>new DataServerHandler()</b>);
    }
}
```

### Using {@link AttributeKey}s

Although it's recommended to use member variables to store the state of a
distributor, for some reason you might not want to create many distributor instances.
In such a case, you can use {@link AttributeKey}s which is provided by

```java
public interface Message {
    // your methods here
}
```

```java
{@code @Sharable}
public class DataServerHandler extends {@link SimpleChannelInboundHandler}<Message> {
    private final {@link AttributeKey}<{@link Boolean}> auth =
        {@link AttributeKey#valueOf(String) AttributeKey.valueOf("auth")};

    {@code @Override}
    public void channelRead({@link ChannelHandlerContext} ctx, Message message) {
        @link Attribute}<{@link Boolean}> attr = ctx.attr(auth);
        if (message instanceof LoginMessage) {
            authenticate((LoginMessage) o);
            attr.set(true);
        } else (message instanceof GetDataMessage) {
            if (<b>Boolean.TRUE.equals(attr.get())</b>) {
```
ctx.writeAndFlush(fetchSecret((GetDataMessage) o));
} else {
    fail();
}

// Now that the state of the handler is attached to the @link ChannelHandlerContext, you can add the
// same handler instance to different pipelines:
public class DataServerInitializer extends @link ChannelInitializer{Channel} {
    private static final DataServerHandler <b>SHARED</b> = new DataServerHandler();
    @code @Override
    public void initChannel(Channel channel) {
        channel.pipeline().addLast("handler", <b>SHARED</b>);
    }
}</pre>

<h4>The @code @Sharable annotation</h4>

In the example above which used an @link AttributeKey, you might have noticed the @code @Sharable annotation.

If a @link ChannelHandler is annotated with the @code @Sharable annotation, it means you can create an instance of the handler just once and add it to one or more @link ChannelPipeline)s multiple times without a race condition.

If this annotation is not specified, you have to create a new handler instance every time you add it to a pipeline because it has unshared state such as member variables.

This annotation is provided for documentation purpose, just like a href="http://www.javaconcurrencyinpractice.com/annotations/doc/" the JCIP annotations.</a>,

Additional resources worth reading

Please refer to the @link ChannelHandler, and @link ChannelPipeline to find out more about inbound and outbound operations, what fundamental differences they have, how they flow in a pipeline, and how to handle the operation in your application.
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1.116 alsa-lib 1.1.8 1.el7

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*
*
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*/

#include <assert.h>

#include <limits.h>
#include <stdio.h>
#include <stdlib.h>
#include <string.h>
#include <ctype.h>
#include <math.h>
#include <err.h>

#define alisp_seq_iterator alisp_object

#include "local.h"
#include "alisp.h"
#include "alisp_local.h"

struct alisp_object alsa_lisp_nil;
struct alisp_object alsa_lisp_t;

/* parser prototypes */
static struct alisp_object * parse_object(struct alisp_instance *instance, int havetoken);
static void princ_cons(snd_output_t *out, struct alisp_object * p);
static void princ_object(snd_output_t *out, struct alisp_object * p);
static struct alisp_object * eval(struct alisp_instance *instance, struct alisp_object * p);

/* functions */
static struct alisp_object *F_eval(struct alisp_instance *instance, struct alisp_object *);
static struct alisp_object *F_progn(struct alisp_instance *instance, struct alisp_object *);
static struct alisp_object *F_funcall(struct alisp_instance *instance, struct alisp_object *);
/* others */
static int alisp_include_file(struct alisp_instance *instance, const char *filename);

/*
 * object handling
 */

static int get_string_hash(const char *s)
{
    int val = 0;
    if (s == NULL)
        return val;
    while (*s)
        val += *s++;
    return val & ALISP_OBJ_PAIR_HASH_MASK;
}

static void nomem(void)
{
    SNDERR("alisp: no enough memory");
}

static void lisp_verbose(struct alisp_instance *instance, const char *fmt, ...)
{
    va_list ap;
    if (!instance->verbose)
        return;
    va_start(ap, fmt);
    snd_output_printf(instance->vout, "alisp: ");
    snd_output_vprintf(instance->vout, fmt, ap);
    snd_output_putc(instance->vout, '\n');
    va_end(ap);
}

static void lisp_error(struct alisp_instance *instance, const char *fmt, ...)
{
    va_list ap;
    if (!instance->warning)
        return;
    va_start(ap, fmt);
    snd_output_printf(instance->eout, "alisp error: ");
    snd_output_vprintf(instance->eout, fmt, ap);
    snd_output_putc(instance->eout, '\n');
    va_end(ap);
}
static void lisp_warn(struct alisp_instance *instance, const char *fmt, ...)
{
    va_list ap;

    if (!instance->warning)
        return;
    va_start(ap, fmt);
    snd_output_printf(instance->wout, "alisp warning: ");
    snd_output_vprintf(instance->wout, fmt, ap);
    snd_output_putchar(instance->wout, '
');
    va_end(ap);
}

static void lisp_debug(struct alisp_instance *instance, const char *fmt, ...)
{
    va_list ap;

    if (!instance->debug)
        return;
    va_start(ap, fmt);
    snd_output_printf(instance->dout, "alisp debug: ");
    snd_output_vprintf(instance->dout, fmt, ap);
    snd_output_putchar(instance->dout, '
');
    va_end(ap);
}

static struct alisp_object * new_object(struct alisp_instance *instance, int type)
{
    struct alisp_object * p;

    if (list_empty(&instance->free_objs_list))
    {
        p = (struct alisp_object *)malloc(sizeof(struct alisp_object));
        if (p == NULL) {
            nomem();
            return NULL;
        }
        lisp_debug(instance, "allocating cons %p", p);
    } else {
        p = (struct alisp_object *)instance->free_objs_list.next;
        list_del(&p->list);
        instance->free_objs--;
        lisp_debug(instance, "recycling cons %p", p);
    }

    instance->used_objs++;

    alisp_set_type(p, type);
alisp_set_refs(p, 1);
if (type == ALISP_OBJ_CONS) {
    p->value.c.car = &alsa_lisp_nil;
p->value.c.cdr = &alsa_lisp_nil;
    list_add(&p->list, &instance->used_objs_list[0][ALISP_OBJ_CONS]);
}

if (instance->used_objs + instance->free_objs > instance->max_objs)
    instance->max_objs = instance->used_objs + instance->free_objs;

return p;
}

static void free_object(struct alisp_object * p)
{
    switch (alisp_get_type(p)) {
    case ALISP_OBJ_STRING:
    case ALISP_OBJ_IDENTIFIER:
        free(p->value.s);
alisp_set_type(p, ALISP_OBJ_INTEGER);
        break;
default:
        break;
    }
}

static void delete_object(struct alisp_instance *instance, struct alisp_object * p)
{
    if (p == NULL || p == &alsa_lisp_nil || p == &alsa_lisp_t)
        return;
    if (alisp_compare_type(p, ALISP_OBJ_NIL) ||
        alisp_compare_type(p, ALISP_OBJ_T))
        return;
    assert(alisp_get_refs(p) > 0);
lisp_debug(instance, "delete cons %p (type = %i, refs = %i) (s = '%s')", p, alisp_get_type(p), alisp_get_refs(p),
alisp_compare_type(p, ALISP_OBJ_STRING) ||
alisp_compare_type(p, ALISP_OBJ_IDENTIFIER) ? p->value.s : "??");
    if (alisp_dec_refs(p))
        return;
    list_del(&p->list);
    instance->used_objs--;
    free_object(p);
    if (instance->free_objs >= ALISP_FREE_OBJ_POOL) {
        lisp_debug(instance, "freed cons %p", p);
        free(p);
        return;
    }
lisp_debug(instance, "moved cons %p to free list", p);
list_add(&p->list, &instance->free_objs_list);
instance->free_objs++;
}

static void delete_tree(struct alisp_instance *instance, struct alisp_object * p)
{
if (p == NULL)
    return;
if (alisp_compare_type(p, ALISP_OBJ_CONS)) {
    delete_tree(instance, p->value.c.car);
    delete_tree(instance, p->value.c.cdr);
}
delete_object(instance, p);
}

static struct alisp_object * incref_object(struct alisp_instance *instance ATTRIBUTE_UNUSED, struct alisp_object * p)
{
if (p == NULL || p == &alsa_lisp_nil || p == &alsa_lisp_t)
    return p;
if (alisp_get_refs(p) == ALISP_MAX_REFS) {
    assert(0);
    fprintf(stderr, "OOPS: alsa lisp: incref fatal error\n");
    exit(EXIT_FAILURE);
}
    alisp_inc_refs(p);
    return p;
}

static struct alisp_object * incref_tree(struct alisp_instance *instance, struct alisp_object * p)
{
if (p == NULL)
    return NULL;
if (alisp_compare_type(p, ALISP_OBJ_CONS)) {
    incref_tree(instance, p->value.c.car);
    incref_tree(instance, p->value.c.cdr);
}
return incref_object(instance, p);
}

/* Function not used yet. Leave it commented out until we actually use it to  
 * avoid compiler complaints */
#if 0
static struct alisp_object * incref_tree_explicit(struct alisp_instance *instance, struct alisp_object * p, struct alisp_object * e)
{
if (p == NULL)
    return NULL;
if (alisp_compare_type(p, ALISP_OBJ_CONS)) {
  if (e == p) {
    incref_tree(instance, p->value.c.car);
    incref_tree(instance, p->value.c.cdr);
  } else {
    incref_tree_explicit(instance, p->value.c.car, e);
    incref_tree_explicit(instance, p->value.c.cdr, e);
  }
}
if (e == p)
return incref_object(instance, p);
return p;
#endif

static void free_objects(struct alisp_instance *instance)
{
  struct list_head *pos, *pos1;
  struct alisp_object * p;
  struct alisp_object_pair * pair;
  int i, j;

  for (i = 0; i < ALISP_OBJ_PAIR_HASH_SIZE; i++) {
    list_for_each_safe(pos, pos1, &instance->setobjs_list[i]) {
      pair = list_entry(pos, struct alisp_object_pair, list);
      lisp_debug(instance, "freeing pair: '%s' -> %p", pair->name, pair->value);
      delete_tree(instance, pair->value);
      free((void *)pair->name);
      free(pair);
    }
  }

  for (i = 0; i < ALISP_OBJ_PAIR_HASH_SIZE; i++)
  for (j = 0; j <= ALISP_OBJ_LAST_SEARCH; j++) {
    list_for_each_safe(pos, pos1, &instance->used_objs_list[i][j]) {
      p = list_entry(pos, struct alisp_object, list);
      lisp_warn(instance, "object %p is still referenced %i times!", p, alisp_get_refs(p));
      #if 0
      snd_output_printf(instance->wout, ">>>> ");
      princ_object(instance->wout, p);
      snd_output_printf(instance->wout, " <<<<
      #endif
      if (alisp_get_refs(p) > 0)
        alisp_set_refs(p, 1);
      delete_object(instance, p);
    }
  }
  list_for_each_safe(pos, pos1, &instance->free_objs_list) {
    p = list_entry(pos, struct alisp_object, list);
list_del(&p->list);
free(p);
lisp_debug(instance, "freed (all) cons %p", p);
}

static struct alisp_object * search_object_identifier(struct alisp_instance *instance, const char *s)
{
    struct list_head * pos;
    struct alisp_object * p;

    list_for_each(pos, &instance->used_objs_list[get_string_hash(s)][ALISP_OBJ_IDENTIFIER]) {
        p = list_entry(pos, struct alisp_object, list);
        if (alisp_get_refs(p) > ALISP_MAX_REFS_LIMIT)
            continue;
        if (!strcmp(p->value.s, s))
            return incref_object(instance, p);
    }
    return NULL;
}

static struct alisp_object * search_object_string(struct alisp_instance *instance, const char *s)
{
    struct list_head * pos;
    struct alisp_object * p;

    list_for_each(pos, &instance->used_objs_list[get_string_hash(s)][ALISP_OBJ_STRING]) {
        p = list_entry(pos, struct alisp_object, list);
        if (!strcmp(p->value.s, s)) {
            if (alisp_get_refs(p) > ALISP_MAX_REFS_LIMIT)
                continue;
            return incref_object(instance, p);
        }
    }
    return NULL;
}

static struct alisp_object * search_object_integer(struct alisp_instance *instance, long in)
{
    struct list_head * pos;
    struct alisp_object * p;

    list_for_each(pos, &instance->used_objs_list[in & ALISP_OBJ_PAIR_HASH_MASK][ALISP_OBJ_INTEGER]) {
        p = list_entry(pos, struct alisp_object, list);
        if (p->value.i == in) {
if (alisp_get_refs(p) > ALISP_MAX_REFS_LIMIT)
    continue;
return incref_object(instance, p);
}

return NULL;

static struct alisp_object * search_object_float(struct alisp_instance *instance, double in)
{
    struct list_head * pos;
    struct alisp_object * p;

    list_for_each(pos, &instance->used_objs_list[(long)in & ALISP_OBJ_PAIR_HASH_MASK][ALISP_OBJ_FLOAT]) {
        p = list_entry(pos, struct alisp_object, list);
        if (p->value.i == in) {
            if (alisp_get_refs(p) > ALISP_MAX_REFS_LIMIT)
                continue;
            return incref_object(instance, p);
        }
    }

    return NULL;
}

static struct alisp_object * search_object_pointer(struct alisp_instance *instance, const void *ptr)
{
    struct list_head * pos;
    struct alisp_object * p;

    list_for_each(pos, &instance->used_objs_list[(long)ptr & ALISP_OBJ_PAIR_HASH_MASK][ALISP_OBJ_POINTER]) {
        p = list_entry(pos, struct alisp_object, list);
        if (p->value.ptr == ptr) {
            if (alisp_get_refs(p) > ALISP_MAX_REFS_LIMIT)
                continue;
            return incref_object(instance, p);
        }
    }

    return NULL;
}

static struct alisp_object * new_integer(struct alisp_instance *instance, long value)
{
    struct alisp_object * obj;

obj = search_object_integer(instance, value);
if (obj != NULL)
    return obj;
obj = new_object(instance, ALISP_OBJ_INTEGER);
if (obj) {
    list_add(&obj->list, &instance->used_objs_list[value &
        ALISP_OBJ_PAIR_HASH_MASK][ALISP_OBJ_INTEGER]);
    obj->value.i = value;
}
return obj;

static struct alisp_object * new_float(struct alisp_instance *instance, double value)
{
    struct alisp_object * obj;

    obj = search_object_float(instance, value);
    if (obj != NULL)
        return obj;
    obj = new_object(instance, ALISP_OBJ_FLOAT);
    if (obj) {
        list_add(&obj->list, &instance->used_objs_list[(long)value &
            ALISP_OBJ_PAIR_HASH_MASK][ALISP_OBJ_FLOAT]);
        obj->value.f = value;
    }
    return obj;
}

static struct alisp_object * new_string(struct alisp_instance *instance, const char *str)
{
    struct alisp_object * obj;

    obj = search_object_string(instance, str);
    if (obj != NULL)
        return obj;
    obj = new_object(instance, ALISP_OBJ_STRING);
    if (obj) {
        list_add(&obj->list, &instance->used_objs_list[get_string_hash(str)][ALISP_OBJ_STRING]);
        if (obj && (obj->value.s = strdup(str)) == NULL) {
            delete_object(instance, obj);
            nomem();
            return NULL;
        }
    }
    return obj;
}

static struct alisp_object * new_identifier(struct alisp_instance *instance, const char *id)
struct alisp_object * obj;

obj = search_object_identifier(instance, id);
if (obj != NULL)
  return obj;
obj = new_object(instance, ALISP_OBJ_IDENTIFIER);
if (obj)
  list_add(&obj->list, &instance->used_objs_list[get_string_hash(id)][ALISP_OBJ_IDENTIFIER]);
if (obj && (obj->value.s = strdup(id)) == NULL) {
  delete_object(instance, obj);
  nomem();
  return NULL;
}
return obj;

static struct alisp_object * new_pointer(struct alisp_instance *instance, const void *ptr)
{
  struct alisp_object * obj;

  obj = search_object_pointer(instance, ptr);
  if (obj != NULL)
    return obj;
  obj = new_object(instance, ALISP_OBJ_POINTER);
  if (obj) {
    list_add(&obj->list, &instance->used_objs_list[(long)ptr & ALISP_OBJ_PAIR_HASH_MASK][ALISP_OBJ_POINTER]);
    obj->value.ptr = ptr;
  }
  return obj;
}

static struct alisp_object * new_cons_pointer(struct alisp_instance * instance, const char *ptr_id, void *ptr)
{
  struct alisp_object * leexpr;

  if (ptr == NULL)
    return &alsa_lisp_nil;
  leexpr = new_object(instance, ALISP_OBJ_CONS);
  if (leexpr == NULL)
    return NULL;
  leexpr->value.c.car = new_string(instance, ptr_id);
  if (leexpr->value.c.car == NULL)
    goto __end;
  leexpr->value.c.cdr = new_pointer(instance, ptr);
  if (leexpr->value.c.cdr == NULL) {
    delete_object(instance, leexpr->value.c.car);
  }
  return leexpr;
}
delete_object(instance, lexpr);
return NULL;
}
return lexpr;

void alsa_lisp_init_objects(void) __attribute__ ((constructor));

void alsa_lisp_init_objects(void)
{  
memset(&alsa_lisp_nil, 0, sizeof(alsa_lisp_nil));
alisp_set_type(&alsa_lisp_nil, ALISP_OBJ_NIL);
INIT_LIST_HEAD(&alsa_lisp_nil.list);
memset(&alsa_lisp_t, 0, sizeof(alsa_lisp_t));
alisp_set_type(&alsa_lisp_t, ALISP_OBJ_T);
INIT_LIST_HEAD(&alsa_lisp_t.list);
}

/*
* lexer
*/

static int xgetc(struct alisp_instance *instance)
{
instance->charno++;
if (instance->lex_bufp > instance->lex_buf)
return *--(instance->lex_bufp);
return snd_input_getc(instance->in);
}

static inline void xungetc(struct alisp_instance *instance, int c)
{
*(instance->lex_bufp)++ = c;
instance->charno--;
}

static int init_lex(struct alisp_instance *instance)
{
instance->charno = instance->lineno = 1;
instance->token_buffer_max = 10;
if ((instance->token_buffer = (char *)malloc(instance->token_buffer_max)) == NULL) {
 nomem();
 return -ENOMEM;
}
instance->lex_bufp = instance->lex_buf;
return 0;
}
static void done_lex(struct alisp_instance *instance) {
    free(instance->token_buffer);
}

static char * extend_buf(struct alisp_instance *instance, char *p) {
    int off = p - instance->token_buffer;

    instance->token_buffer_max += 10;
    instance->token_buffer = (char *)realloc(instance->token_buffer, instance->token_buffer_max);
    if (instance->token_buffer == NULL) {
        nomem();
        return NULL;
    }

    return instance->token_buffer + off;
}

static int gettoken(struct alisp_instance *instance) {
    char *p;
    int c;

    for (;;) {
        c = xgetc(instance);
        switch (c) {
            case '\n':
                ++instance->lineno;
                break;
            case ';':
                /* Comment: ";".*"\n" */
                while ((c = xgetc(instance)) != '\n' && c != EOF)
                    ;
                if (c != EOF)
                    ++instance->lineno;
                break;
            case '(': case '\f': case '\t': case '\v': case '\r':
                break;
            case '\": case '\f': case '\t': case '\v': case '\r':
                break;
            case '\)':
                /* Comment: ");".*"\n" */
                while ((c = xgetc(instance)) != '\n' && c != EOF)
                    ;
                if (c != EOF)
                    ++instance->lineno;
                break;
            case '\?':
                /* Character: ")".*"\n" */
                c = xgetc(instance);
                sprintf(instance->token_buffer, "%d", c);
                return instance->thistoken = ALISP_INTEGER;
        }
    }
}

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case '-':
/* Minus sign: "-". */
c = xgetc(instance);
if (!isdigit(c)) {
xungetc(instance, c);
c = '-';
goto got_id;
}
xungetc(instance, c);
c = '-';
/* FALLTHRU */
case '0':
case '1': case '2': case '3':
case '4': case '5': case '6':
case '7': case '8': case '9':
/* Integer: [0-9]+ */
p = instance->token_buffer;
instance->thistoken = ALISP_INTEGER;
do {
    __ok:
    if (p - instance->token_buffer >= instance->token_buffer_max - 1) {
        p = extend_buf(instance, p);
        if (p == NULL)
            return instance->thistoken = EOF;
    }
    *p++ = c;
c = xgetc(instance);
    if (c == '.' && instance->thistoken == ALISP_INTEGER) {
        c = xgetc(instance);
        xungetc(instance, c);
        if (isdigit(c)) {
            instance->thistoken = ALISP_FLOAT;
c = '.';
goto __ok;
        } else {
            c = '.';
        }
    } else if (c == 'e' && instance->thistoken == ALISP_FLOAT) {
        c = xgetc(instance);
        if (isdigit(c)) {
            instance->thistoken = ALISP_FLOAT;
goto __ok;
        }
    }
} while (isdigit(c));
xungetc(instance, c);
*p = '\0';
return instance->thistoken;
got_id:
case '!': case '_': case '+': case '*': case '/': case '%':
case '<': case '>': case '=': case '&':
case 'a': case 'b': case 'c': case 'd': case 'e': case 'f':
case 'g': case 'h': case 'i': case 'j': case 'k': case 'l':
case 'm': case 'n': case 'o': case 'p': case 'q': case 'r':
case 's': case 't': case 'u': case 'v': case 'w': case 'x':
case 'y': case 'z':
case 'A': case 'B': case 'C': case 'D': case 'E': case 'F':
case 'G': case 'H': case 'I': case 'J': case 'K': case 'L':
case 'M': case 'N': case 'O': case 'P': case 'Q': case 'R':
case 'S': case 'T': case 'U': case 'V': case 'W': case 'X':
case 'Y': case 'Z':
/* Identifier: [!-/+*%<>=&a-zA-Z_][-/+*%<>=&a-zA-Z_0-9]* */
p = instance->token_buffer;
do {
if (p - instance->token_buffer >= instance->token_buffer_max - 1) {
p = extend_buf(instance, p);
if (p == NULL)
return instance->thistoken = EOF;
}
*p++ = c;
c = xgetc(instance);
} while (isalnum(c) || strchr("!_-+*/%<>=&", c) != NULL);
xungetc(instance, c);
*p = '\0';
return instance->thistoken = ALISP_IDENTIFIER;
case '"':
/* String: "\""([^"]|"\\".)*"\"" */
p = instance->token_buffer;
while ((c = xgetc(instance)) != '"' && c != EOF) {
if (p - instance->token_buffer >= instance->token_buffer_max - 1) {
p = extend_buf(instance, p);
if (p == NULL)
return instance->thistoken = EOF;
}
if (c == '\\') {
c = xgetc(instance);
switch (c) {
case '\n': ++instance->lineno; break;
case 'a': *p++ = '\a'; break;
case 'b': *p++ = '\b'; break;
case 'f': *p++ = '\f'; break;
case 'n': *p++ = '\n'; break;

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case 'r': *p++ = 'r'; break;
case 't': *p++ = 't'; break;
case 'v': *p++ = 'v'; break;
default: *p++ = c;
}
} else {
if (c == 'n')
++instance->lineno;
*p++ = c;
}
*p = '\0';
return instance->thistoken = ALISP_STRING;

default:
return instance->thistoken = c;
}
}
}

/*
* parser
*/

static struct alisp_object * parse_form(struct alisp_instance *instance)
{
    int thistoken;
    struct alisp_object * p, * first = NULL, * prev = NULL;
    while ((thistoken = gettoken(instance)) != ')' && thistoken != EOF) {
        /*
        * Parse a dotted pair notation.
        */
        if (thistoken == '.') {
            gettoken(instance);
            if (prev == NULL) {
                lisp_error(instance, "unexpected ".");
                __err:
                delete_tree(instance, first);
                return NULL;
            }
            prev->value.c.cdr = parse_object(instance, 1);
            if (prev->value.c.cdr == NULL)
                goto __err;
            if ((thistoken = gettoken(instance)) != ')') {
                lisp_error(instance, "expected ")");
                goto __err;
            }
        }
        prev->value.c.cdr = parse_object(instance, 1);
        if (prev->value.c.cdr == NULL)
            goto __err;
        if ((thistoken = gettoken(instance)) != ')') {
            lisp_error(instance, "expected ")");
            goto __err;
        }
    }
break;
}

p = new_object(instance, ALISP_OBJ_CONS);
if (p == NULL)
goto __err;

if (first == NULL)
first = p;
if (prev != NULL)
prev->value.c.cdr = p;

p->value.c.car = parse_object(instance, 1);
if (p->value.c.car == NULL)
goto __err;

prev = p;
}

if (first == NULL)
return &alsa_lisp_nil;
else
return first;
}

static struct alisp_object * quote_object(struct alisp_instance *instance, struct alisp_object * obj)
{
struct alisp_object * p;

if (obj == NULL)
goto __end1;

p = new_object(instance, ALISP_OBJ_CONS);
if (p == NULL)
goto __end1;

p->value.c.car = new_identifier(instance, "quote");
if (p->value.c.car == NULL)
goto __end;

p->value.c.cdr = new_object(instance, ALISP_OBJ_CONS);
if (p->value.c.cdr == NULL) {
delete_object(instance, p->value.c.car);
__end:
delete_object(instance, p);
__end1:
delete_tree(instance, obj);
return NULL;
}
static struct alisp_object * parse_object(struct alisp_instance *instance, int havetoken)
{
    int thistoken;
    struct alisp_object * p = NULL;

    if (!havetoken)
        thistoken = gettoken(instance);
    else
        thistoken = instance->thistoken;

    switch (thistoken) {
    case EOF:
        break;
    case '(':
        p = parse_form(instance);
        break;
    case '"':
        p = parse_quote(instance);
        break;
    case ALISP_IDENTIFIER:
        if (!strcmp(instance->token_buffer, "t"))
            p = &alsa_lisp_t;
        else if (!strcmp(instance->token_buffer, "nil"))
            p = &alsa_lisp_nil;
        else
            p = new_identifier(instance, instance->token_buffer);
        break;
    case ALISP_INTEGER: {
        p = new_integer(instance, atol(instance->token_buffer));
        break;
    }
    case ALISP_FLOAT:
    case ALISP_FLOATE: {
        p = new_float(instance, atof(instance->token_buffer));
        break;
    }
    case ALISP_STRING:
p = new_string(instance, instance->token_buffer);
break;
default:
lisp_warn(instance, "%d:%d: unexpected character `%c'", instance->lineno, instance->charno, thistoken);
break;
}

return p;
}

/*
 * object manipulation
 */

static struct alisp_object_pair * set_object_direct(struct alisp_instance *instance, struct alisp_object * name, struct alisp_object * value)
{
    struct alisp_object_pair *p;
    const char *id;

    id = name->value.s;
p = (struct alisp_object_pair *)malloc(sizeof(struct alisp_object_pair));
if (p == NULL) {
    nomem();
    return NULL;
}
p->name = strdup(id);
if (p->name == NULL) {
    delete_tree(instance, value);
    free(p);
    return NULL;
}
list_add(&p->list, &instance->setobjs_list[get_string_hash(id)]);
p->value = value;
return p;
}

static int check_set_object(struct alisp_instance * instance, struct alisp_object * name)
{
if (name == &alsa_lisp_nil) {
lisp_warn(instance, "setting the value of a nil object");
return 0;
}
if (name == &alsa_lisp_t) {
lisp_warn(instance, "setting the value of a t object");
return 0;
}
if (!alisp_compare_type(name, ALISP_OBJ_IDENTIFIER) &&
!alisp_compare_type(name, ALISP_OBJ_STRING)) {
  lisp_warn(instance, "setting the value of an object with non-indentifier");
  return 0;
}
return 1;
}

static struct alisp_object_pair * set_object(struct alisp_instance *instance, struct alisp_object * name, struct alisp_object * value)
{
  struct list_head *pos;
  struct alisp_object_pair *p;
  const char *id;

  if (name == NULL || value == NULL)
    return NULL;
  id = name->value.s;

  list_for_each(pos, &instance->setobjs_list[get_string_hash(id)]) {
    p = list_entry(pos, struct alisp_object_pair, list);
    if (!strcmp(p->name, id)) {
      delete_tree(instance, p->value);
      p->value = value;
      return p;
    }
  }
  p = (struct alisp_object_pair *)malloc(sizeof(struct alisp_object_pair));
  if (p == NULL) {
    nomem();
    return NULL;
  }
  p->name = strdup(id);
  if (p->name == NULL) {
    delete_tree(instance, value);
    free(p);
    return NULL;
  }
  list_add(&p->list, &instance->setobjs_list[get_string_hash(id)]);
  p->value = value;
  return p;
}

static struct alisp_object * unset_object(struct alisp_instance *instance, struct alisp_object * name)
{
  struct list_head *pos;
  struct alisp_object *res;

struct alisp_object_pair *p;
const char *id;

if (!alisp_compare_type(name, ALISP_OBJ_IDENTIFIER) && 
    !alisp_compare_type(name, ALISP_OBJ_STRING)) {
    lisp_warn(instance, "unset object with a non-identifier");
    return &alsa_lisp_nil;
}

id = name->value.s;

list_for_each(pos, &instance->setobjs_list[get_string_hash(id)]) {
    p = list_entry(pos, struct alisp_object_pair, list);
    if (!strcmp(p->name, id)) {
        list_del(&p->list);
        res = p->value;
        free((void *)p->name);
        free(p);
        return res;
    }
}

return &alsa_lisp_nil;

static struct alisp_object * get_object1(struct alisp_instance *instance, const char *id)
{
    struct alisp_object_pair *p;
    struct list_head *pos;

    list_for_each(pos, &instance->setobjs_list[get_string_hash(id)]) {
        p = list_entry(pos, struct alisp_object_pair, list);
        if (!strcmp(p->name, id))
            return p->value;
    }

    return &alsa_lisp_nil;
}

static struct alisp_object * get_object(struct alisp_instance *instance, struct alisp_object * name)
{
    if (!alisp_compare_type(name, ALISP_OBJ_IDENTIFIER) &&
        !alisp_compare_type(name, ALISP_OBJ_STRING)) {
        delete_tree(instance, name);
    return &alsa_lisp_nil;
}
return get_object1(instance, name->value.s);
}
static struct alisp_object * replace_object(struct alisp_instance *instance, struct alisp_object * name, struct alisp_object * onew)
{
struct alisp_object_pair *p;
struct alisp_object *r;
struct list_head *pos;
const char *id;

if (!alisp_compare_type(name, ALISP_OBJ_IDENTIFIER) &&
    !alisp_compare_type(name, ALISP_OBJ_STRING)) {
    delete_tree(instance, name);
    return &alsa_lisp_nil;
}

id = name->value.s;
list_for_each(pos, &instance->setobjs_list[get_string_hash(id)]) {
    p = list_entry(pos, struct alisp_object_pair, list);
    if (!strcmp(p->name, id)) {
        r = p->value;
        p->value = onew;
        return r;
    }
}
return NULL;
}

static void dump_objects(struct alisp_instance *instance, const char *fname)
{
struct alisp_object_pair *p;
snd_output_t *out;
struct list_head *pos;
int i, err;

if (!strcmp(fname, "."))
    err = snd_output_stdio_attach(&out, stdout, 0);
else
    err = snd_output_stdio_open(&out, fname, "w+");
if (err < 0) {
    SNDERR("alisp: cannot open file '%s' for writing (%s)", fname, snd_strerror(erno));
    return;
}

for (i = 0; i < ALISP_OBJ_PAIR_HASH_SIZE; i++) {
    list_for_each(pos, &instance->setobjs_list[i]) {
        p = list_entry(pos, struct alisp_object_pair, list);
        if (alisp_compare_type(p->value, ALISP_OBJ_CONS) &&
            alisp_compare_type(p->value->value.c.car, ALISP_OBJ_IDENTIFIER) &&
            !strcmp(p->value->value.c.car->value.s, "lambda")) {

            // Check for lambda function and replace it
            // with onew
            p->value = onew;
        }
    }
}
snd_output_printf(out, "(defun \%s ", p->name);
princ_cons(out, p->value->value.c.cdr);
snd_output_printf(out, ")\n");
continue;
}
snd_output_printf(out, "(setq \%s ', p->name);
princ_object(out, p->value);
snd_output_printf(out, ")\n");
}
}
snd_output_close(out);
}

static const char *obj_type_str(struct alisp_object * p)
{
switch (alisp_get_type(p)) {
  case ALISP_OBJ_NIL: return "nil";
  case ALISP_OBJ_T: return "t";
  case ALISP_OBJ_INTEGER: return "integer";
  case ALISP_OBJ_FLOAT: return "float";
  case ALISP_OBJ_IDENTIFIER: return "identifier";
  case ALISP_OBJ_STRING: return "string";
  case ALISP_OBJ_POINTER: return "pointer";
  case ALISP_OBJ_CONS: return "cons";
  default: assert(0);
}
}

static void print_obj_lists(struct alisp_instance *instance, snd_output_t *out)
{
  struct list_head *pos;
  struct alisp_object * p;
  int i, j;

  snd_output_printf(out, "** used objects\n");
  for (i = 0; i < ALISP_OBJ_PAIR_HASH_SIZE; i++)
    for (j = 0; j <= ALISP_OBJ_LAST_SEARCH; j++)
      list_for_each(pos, &instance->used_objs_list[i][j]) {
        p = list_entry(pos, struct alisp_object, list);
        snd_output_printf(out, "** %p (%s) (\n", p, obj_type_str(p));
        if (!alisp_compare_type(p, ALISP_OBJ_CONS))
          princ_object(out, p);
        else
          snd_output_printf(out, "cons\n");
        snd_output_printf(out, ") refs=%i\n", alisp_get_refs(p));
      }
  snd_output_printf(out, "** free objects\n");
  list_for_each(pos, &instance->free_objs_list) {
p = list_entry(pos, struct alisp_object, list);
snd_output_printf(out, "** %p\n", p);
}
}

static void dump_obj_lists(struct alisp_instance *instance, const char *fname)
{
    snd_output_t *out;
    int err;

    if (!strcmp(fname, "."))
        err = snd_output_stdio_attach(&out, stdout, 0);
    else
        err = snd_output_stdio_open(&out, fname, "w+");
    if (err < 0) {
        SNDERR("alisp: cannot open file \"%s\" for writing (%s)", fname, snd_strerror(errno));
        return;
    }

    print_obj_lists(instance, out);

    snd_output_close(out);
}

/*
 *  functions
 */

static int count_list(struct alisp_object * p)
{
    int i = 0;

    while (p != &alsa_lisp_nil && alisp_compare_type(p, ALISP_OBJ_CONS)) {
        p = p->value.c.cdr;
        ++i;
    }

    return i;
}

static inline struct alisp_object * car(struct alisp_object * p)
{
    if (alisp_compare_type(p, ALISP_OBJ_CONS))
        return p->value.c.car;

    return &alsa_lisp_nil;
}
static inline struct alisp_object * cdr(struct alisp_object * p)
{
    if (alisp_compare_type(p, ALISP_OBJ_CONS))
        return p->value.c.cdr;

    return &alsa_lisp_nil;
}

/*
 * Syntax: (car expr)
 */
static struct alisp_object * F_car(struct alisp_instance *instance, struct alisp_object * args)
{
    struct alisp_object *p1 = car(args), *p2;
    delete_tree(instance, cdr(args));
    delete_object(instance, args);
    p1 = eval(instance, p1);
    delete_tree(instance, cdr(p1));
    p2 = car(p1);
    delete_object(instance, p1);
    return p2;
}

/*
 * Syntax: (cdr expr)
 */
static struct alisp_object * F_cdr(struct alisp_instance *instance, struct alisp_object * args)
{
    struct alisp_object *p1 = car(args), *p2;
    delete_tree(instance, cdr(args));
    delete_object(instance, args);
    p1 = eval(instance, p1);
    delete_tree(instance, car(p1));
    p2 = cdr(p1);
    delete_object(instance, p1);
    return p2;
}

/*
 * Syntax: (+ expr...)
 */
static struct alisp_object * F_add(struct alisp_instance *instance, struct alisp_object * args)
{
    struct alisp_object * p = args, * p1, * n;
    long v = 0;
    double f = 0;
    int type = ALISP_OBJ_INTEGER;
p1 = eval(instance, car(p));
for (;;) {
    if (alisp_compare_type(p1, ALISP_OBJ_INTEGER)) {
        f += p1->value.i;
    } else if (alisp_compare_type(p1, ALISP_OBJ_FLOAT)) {
        f += p1->value.f + v;
        v = 0;
        type = ALISP_OBJ_FLOAT;
    } else {
        lisp_warn(instance, "sum with a non integer or float operand");
    }
    delete_tree(instance, p1);
    p = cdr(n = p);
    delete_object(instance, n);
    if (p == &alsa_lisp_nil)
        break;
    p1 = eval(instance, car(p));
}
if (type == ALISP_OBJ_INTEGER) {
    return new_integer(instance, v);
} else {
    return new_float(instance, f);
}

/*
 * Syntax: (concat expr...)
 */
static struct alisp_object * F_concat(struct alisp_instance *instance, struct alisp_object * args)
{
    struct alisp_object * p = args, * p1, * n;
    char *str = NULL, *str1;
    p1 = eval(instance, car(p));
    for (;;) {
        if (alisp_compare_type(p1, ALISP_OBJ_STRING)) {
            str1 = realloc(str, (str ? strlen(str) : 0) + strlen(p1->value.s) + 1);
            if (str1 == NULL) {
                nomem();
                free(str);
                return NULL;
            }
            if (str == NULL)
                strcpy(str1, p1->value.s);
            else
                strcat(str1, p1->value.s);
        } else {
            strcat(str1, p1->value.s);
        }
        p1 = eval(instance, car(p));
    }
    return str1;
}
strcat(str1, p1->value.s);
str = str1;
} else {
lisp_warn(instance, "concat with a non string or identifier operand");
}
delete_tree(instance, p1);
p = cdr(n = p);
delete_object(instance, n);
if (p == &alsa_lisp_nil)
break;
p1 = eval(instance, car(p));
}
if (str) {
p = new_string(instance, str);
free(str);
} else {
p = &alsa_lisp_nil;
}
return p;
}

/*
 * Syntax: (- expr...)
 */
static struct alisp_object * F_sub(struct alisp_instance *instance, struct alisp_object * args)
{
struct alisp_object * p = args, * p1, * n;
long v = 0;
double f = 0;
int type = ALISP_OBJ_INTEGER;
do {
p1 = eval(instance, car(p));
if (alisp_compare_type(p1, ALISP_OBJ_INTEGER)) {
if (p == args && cdr(p) != &alsa_lisp_nil) {
v = p1->value.i;
} else {
if (type == ALISP_OBJ_FLOAT)
f -= p1->value.i;
else
v -= p1->value.i;
}
} else if (alisp_compare_type(p1, ALISP_OBJ_FLOAT)) {
if (type == ALISP_OBJ_INTEGER) {
f = v;
type = ALISP_OBJ_FLOAT;
}
if (p == args && cdr(p) != &alsa_lisp_nil)
f = p1->value.f;
else {
f -= p1->value.f;
}
} else
lisp_warn(instance, "difference with a non integer or float operand");
delete_tree(instance, p1);
n = cdr(p);
delete_object(instance, p);
p = n;
} while (p != &alsa_lisp_nil);

if (type == ALISP_OBJ_INTEGER) {
return new_integer(instance, v);
} else {
return new_float(instance, f);
}
}

/*
 * Syntax: (* expr...)
 */
/*
static struct alisp_object * F_mul(struct alisp_instance *instance, struct alisp_object *args)
{
 struct alisp_object * p = args, * p1, * n;
 long v = 1;
 double f = 1;
 int type = ALISP_OBJ_INTEGER;

do {
 p1 = eval(instance, car(p));
 if (alisp_compare_type(p1, ALISP_OBJ_INTEGER)) {
 if (type == ALISP_OBJ_FLOAT)
 f *= p1->value.i;
 else
 v *= p1->value.i;
 } else if (alisp_compare_type(p1, ALISP_OBJ_FLOAT)) {
 f *= p1->value.f * v; v = 1;
 type = ALISP_OBJ_FLOAT;
 } else {
 lisp_warn(instance, "product with a non integer or float operand");
 }
delete_tree(instance, p1);
n = cdr(p);
delete_object(instance, p);
p = n;
} while (p != &alsa_lisp_nil);
if (type == ALISP_OBJ_INTEGER) {
    return new_integer(instance, v);
} else {
    return new_float(instance, f);
}
}

/*
 * Syntax: (/ expr...)
 */
static struct alisp_object * F_div(struct alisp_instance *instance, struct alisp_object * args) {
    struct alisp_object * p = args, * p1, * n;
    long v = 0;
    double f = 0;
    int type = ALISP_OBJ_INTEGER;

    do {
        p1 = eval(instance, car(p));
        if (alisp_compare_type(p1, ALISP_OBJ_INTEGER)) {
            if (p == args && cdr(p) != &alsa_lisp_nil) {
                v = p1->value.i;
            } else {
                if (p1->value.i == 0) {
                    lisp_warn(instance, "division by zero");
                    v = 0;
                    f = 0;
                    break;
                } else {
                    if (type == ALISP_OBJ_FLOAT)
                        f /= p1->value.i;
                    else
                        v /= p1->value.i;
                }
            } else if (alisp_compare_type(p1, ALISP_OBJ_FLOAT)) {
                if (type == ALISP_OBJ_INTEGER) {
                    f = v;
                    type = ALISP_OBJ_FLOAT;
                } else {
                    if (p1->value.f == 0) {
                        lisp_warn(instance, "division by zero");
                        f = 0;
                        break;
                    } else {
...
f /= p1->value.i;
} }
} else
lisp_warn(instance, "quotient with a non integer or float operand");
delete_tree(instance, p1);
n = cdr(p);
delete_object(instance, p);
p = n;
} while (p != &alsa_lisp_nil);

if (type == ALISP_OBJ_INTEGER) {
return new_integer(instance, v);
} else {
return new_float(instance, f);
}
}

/*
 * Syntax: (% expr1 expr2)
 */
static struct alisp_object * F_mod(struct alisp_instance *instance, struct alisp_object * args)
{
 struct alisp_object * p1, * p2, * p3;

 p1 = eval(instance, car(args));
p2 = eval(instance, car(cdr(args)));
delete_tree(instance, cdr(cdr(args)));
delete_object(instance, cdr(args));
delete_object(instance, args);

if (alisp_compare_type(p1, ALISP_OBJ_INTEGER) &&
    alisp_compare_type(p2, ALISP_OBJ_INTEGER)) {
if (p2->value.i == 0) {
    lisp_warn(instance, "module by zero");
p3 = new_integer(instance, 0);
} else {
    p3 = new_integer(instance, p1->value.i % p2->value.i);
} }
else if ((alisp_compare_type(p1, ALISP_OBJ_INTEGER) ||
    alisp_compare_type(p1, ALISP_OBJ_FLOAT)) &&
    (alisp_compare_type(p2, ALISP_OBJ_INTEGER) ||
    alisp_compare_type(p2, ALISP_OBJ_FLOAT))) {
double f1, f2;
f1 = alisp_compare_type(p1, ALISP_OBJ_INTEGER) ? p1->value.i : p1->value.f;
f2 = alisp_compare_type(p2, ALISP_OBJ_INTEGER) ? p2->value.i : p2->value.f;
f1 = fmod(f1, f2);
if (f1 == EDOM) {
lisp_warn(instance, "module by zero");
p3 = new_float(instance, 0);
} else {
p3 = new_float(instance, f1);
}
} else {
lisp_warn(instance, "module with a non integer or float operand");
delete_tree(instance, p1);
delete_tree(instance, p2);
return &alsa_lisp_nil;
}
delete_tree(instance, p1);
delete_tree(instance, p2);
return p3;
}

/*
 * Syntax: (< expr1 expr2)
 */
static struct alisp_object * F_lt(struct alisp_instance *instance, struct alisp_object * args) {
    struct alisp_object * p1, * p2;
    p1 = eval(instance, car(args));
p2 = eval(instance, car(cdr(args)));
delete_tree(instance, cdr(cdr(args)));
delete_object(instance, cdr(args));
delete_object(instance, args);

    if (alisp_compare_type(p1, ALISP_OBJ_INTEGER) &&
        alisp_compare_type(p2, ALISP_OBJ_INTEGER)) {
        if (p1->value.i < p2->value.i) {
                __true:
            delete_tree(instance, p1);
delete_tree(instance, p2);
            return &alsa_lisp_t;
        }
    } else if ((alisp_compare_type(p1, ALISP_OBJ_INTEGER) ||
        alisp_compare_type(p1, ALISP_OBJ_FLOAT)) &&
        (alisp_compare_type(p2, ALISP_OBJ_INTEGER) ||
        alisp_compare_type(p2, ALISP_OBJ_FLOAT)) {
            double f1, f2;
f1 = alisp_compare_type(p1, ALISP_OBJ_INTEGER) ? p1->value.i : p1->value.f;
f2 = alisp_compare_type(p2, ALISP_OBJ_INTEGER) ? p2->value.i : p2->value.f;
if (f1 < f2)
goto __true;
    } else {
lisp_warn(instance, "comparison with a non integer or float operand");
}
deadtree(instance, p1);
deadtree(instance, p2);
return &alsa_lisp_nil;
}

/*
 * Syntax: (> expr1 expr2)
 */
static struct alisp_object * F_gt(struct alisp_instance *instance, struct alisp_object * args)
{
struct alisp_object * p1, * p2;
p1 = eval(instance, car(args));
p2 = eval(instance, car(cdr(args)));
delete_tree(instance, cdr(cdr(args)));
delete_object(instance, cdr(args));
delete_object(instance, args);

if (alisp_compare_type(p1, ALISP_OBJ_INTEGER) &&
    alisp_compare_type(p2, ALISP_OBJ_INTEGER)) {
    if (p1->value.i > p2->value.i) {
        __true:
        delete_tree(instance, p1);
deadtree(instance, p2);
return &alsa_lisp_t;
    }
} else if ((alisp_compare_type(p1, ALISP_OBJ_INTEGER) ||
    alisp_compare_type(p1, ALISP_OBJ_FLOAT)) &&
    (alisp_compare_type(p2, ALISP_OBJ_INTEGER) ||
    alisp_compare_type(p2, ALISP_OBJ_FLOAT)) {
    double f1, f2;
f1 = alisp_compare_type(p1, ALISP_OBJ_INTEGER) ? p1->value.i : p1->value.f;
f2 = alisp_compare_type(p2, ALISP_OBJ_INTEGER) ? p2->value.i : p2->value.f;
if (f1 > f2)
goto __true;
} else {
    lisp_warn(instance, "comparison with a non integer or float operand");
}

delete_tree(instance, p1);
deadtree(instance, p2);
return &alsa_lisp_nil;
}

/*
static struct alisp_object * F_le(struct alisp_instance *instance, struct alisp_object * args)
{
    struct alisp_object * p1, * p2;

    p1 = eval(instance, car(args));
    p2 = eval(instance, car(cdr(args)));
    delete_tree(instance, cdr(cdr(args)));
    delete_object(instance, cdr(args));
    delete_object(instance, args);

    if (alisp_compare_type(p1, ALISP_OBJ_INTEGER) &&
        alisp_compare_type(p2, ALISP_OBJ_INTEGER)) {
        __true:
            delete_tree(instance, p1);
            delete_tree(instance, p2);
            return &alsa_lisp_t;
    }
    else if ((alisp_compare_type(p1, ALISP_OBJ_INTEGER) ||
              alisp_compare_type(p1, ALISP_OBJ_FLOAT)) &&
              (alisp_compare_type(p2, ALISP_OBJ_INTEGER) ||
              alisp_compare_type(p2, ALISP_OBJ_FLOAT))) {
        double f1, f2;
        f1 = alisp_compare_type(p1, ALISP_OBJ_INTEGER) ? p1->value.i : p1->value.f;
        f2 = alisp_compare_type(p2, ALISP_OBJ_INTEGER) ? p2->value.i : p2->value.f;
        if (f1 <= f2)
            goto __true;
    } else {
        lisp_warn(instance, "comparison with a non integer or float operand");
    }

    delete_tree(instance, p1);
    delete_tree(instance, p2);
    return &alsa_lisp_nil;
}

static struct alisp_object * F_ge(struct alisp_instance *instance, struct alisp_object * args)
{
    struct alisp_object * p1, * p2;

    p1 = eval(instance, car(args));
    p2 = eval(instance, car(cdr(args)));
    delete_tree(instance, cdr(cdr(args)));

delete_object(instance, cdr(args));
delete_object(instance, args);

if (alisp_compare_type(p1, ALISP_OBJ_INTEGER) &&
alisp_compare_type(p2, ALISP_OBJ_INTEGER)) {
    if (p1->value.i >= p2->value.i) {
        __true:
        delete_tree(instance, p1);
        delete_tree(instance, p2);
        return &alsa_lisp_t;
    } else if ((alisp_compare_type(p1, ALISP_OBJ_INTEGER) ||
alisp_compare_type(p1, ALISP_OBJ_FLOAT)) &&
(alisp_compare_type(p2, ALISP_OBJ_INTEGER) ||
alisp_compare_type(p2, ALISP_OBJ_FLOAT))) {
        double f1, f2;
        f1 = alisp_compare_type(p1, ALISP_OBJ_INTEGER) ? p1->value.i : p1->value.f;
        f2 = alisp_compare_type(p2, ALISP_OBJ_INTEGER) ? p2->value.i : p2->value.f;
        if (f1 >= f2)
            goto __true;
    } else {
        lisp_warn(instance, "comparison with a non integer or float operand");
    }
}
delete_tree(instance, p1);
delete_tree(instance, p2);
return &alsa_lisp_nil;

/*
 * Syntax: (= expr1 expr2)
 */
static struct alisp_object * F_numeq(struct alisp_instance *instance, struct alisp_object * args)
{
    struct alisp_object * p1, * p2;

    p1 = eval(instance, car(args));
    p2 = eval(instance, car(cdr(args)));
    delete_tree(instance, cdr(cdr(args)));
    delete_object(instance, cdr(args));
    delete_object(instance, args);

    if (alisp_compare_type(p1, ALISP_OBJ_INTEGER) &&
alisp_compare_type(p2, ALISP_OBJ_INTEGER)) {
        if (p1->value.i == p2->value.i) {
            __true:
            delete_tree(instance, p1);
            delete_tree(instance, p2);
return &alsa_lisp_t;
}
} else if ((alisp_compare_type(p1, ALISP_OBJ_INTEGER) ||
    alisp_compare_type(p1, ALISP_OBJ_FLOAT)) &&
    (alisp_compare_type(p2, ALISP_OBJ_INTEGER) ||
    alisp_compare_type(p2, ALISP_OBJ_FLOAT))) {
    double f1, f2;
    f1 = alisp_compare_type(p1, ALISP_OBJ_INTEGER) ? p1->value.i : p1->value.f;
    f2 = alisp_compare_type(p2, ALISP_OBJ_INTEGER) ? p2->value.i : p2->value.f;
    if (f1 == f2)
        goto __true;
} else {
    lisp_warn(instance, "comparison with a non integer or float operand");
}

delete_tree(instance, p1);
delete_tree(instance, p2);
return &alsa_lisp_nil;
}

/*
 * Syntax: (!= expr1 expr2)
 */
static struct alisp_object * F_numneq(struct alisp_instance *instance, struct alisp_object * args)
{
    struct alisp_object * p;

    p = F_numeq(instance, args);
    if (p == &alsa_lisp_nil)
        return &alsa_lisp_t;
    return &alsa_lisp_nil;
}

/*
 * Syntax: (exfun name)
 * Test, if a function exists
 */
static struct alisp_object * F_exfun(struct alisp_instance *instance, struct alisp_object * args)
{
    struct alisp_object * p1, * p2;

    p1 = eval(instance, car(args));
    delete_tree(instance, cdr(args));
    delete_object(instance, args);
    p2 = get_object(instance, p1);
    if (p2 == &alsa_lisp_nil)
        delete_tree(instance, p1);
    return &alsa_lisp_nil;
p2 = car(p2);
if (alisp_compare_type(p2, ALISP_OBJ_IDENTIFIER) &&
    !strcmp(p2->value.s, "lambda")) {
  delete_tree(instance, p1);
  return &alsa_lisp_t;
}
delete_tree(instance, p1);
return &alsa_lisp_nil;
}

static void princ_string(snd_output_t *out, char *s)
{
  char *p;

  snd_output_putchar(out, '"');
  for (p = s; *p != '\0'; ++p)
    switch (*p) {
    case '\a': snd_output_putchar(out, '\a'); break;
    case '\b': snd_output_putchar(out, '\b'); break;
    case '\f': snd_output_putchar(out, '\f'); break;
    case '\n': snd_output_putchar(out, '\n'); break;
    case '\r': snd_output_putchar(out, '\r'); break;
    case '\t': snd_output_putchar(out, '\t'); break;
    case '\v': snd_output_putchar(out, '\v'); break;
    case '"': snd_output_putchar(out, '\"'); break;
    default: snd_output_putchar(out, *p);
    }
  snd_output_putchar(out, '"');
}

static void princ_cons(snd_output_t *out, struct alisp_object * p)
{
  do {
    princ_object(out, p->value.c.car);
    p = p->value.c.cdr;
    if (p != &alsa_lisp_nil) {
      snd_output_putchar(out, ' ');
      if (!alisp_compare_type(p, ALISP_OBJ_CONS)) {
        snd_output_printf(out, " . ");
        princ_object(out, p);
      }
    }
  } while (p != &alsa_lisp_nil && alisp_compare_type(p, ALISP_OBJ_CONS));
}

static void princ_object(snd_output_t *out, struct alisp_object * p)
switch (alisp_get_type(p)) {
    case ALISP_OBJ_NIL:
        snd_output_printf(out, "nil");
        break;
    case ALISP_OBJ_T:
        snd_output_putchar(out, 't');
        break;
    case ALISP_OBJ_IDENTIFIER:
        snd_output_printf(out, "%s", p->value.s);
        break;
    case ALISP_OBJ_STRING:
        princ_string(out, p->value.s);
        break;
    case ALISP_OBJ_INTEGER:
        snd_output_printf(out, "%ld", p->value.i);
        break;
    case ALISP_OBJ_FLOAT:
        snd_output_printf(out, "%f", p->value.f);
        break;
    case ALISP_OBJ_POINTER:
        snd_output_printf(out, "<%p>", p->value.ptr);
        break;
    case ALISP_OBJ_CONS:
        snd_output_putchar(out, '(');
        princ_cons(out, p);
        snd_output_putchar(out, ')');
        break;
}

/*
 * Syntax: (princ expr...)
 */
static struct alisp_object * F_princ(struct alisp_instance *instance, struct alisp_object * args)
{
    struct alisp_object * p = args, * p1 = NULL, * n = NULL;

    do {
        if (p1)
            delete_tree(instance, p1);
        p1 = eval(instance, car(p));
        if (alisp_compare_type(p1, ALISP_OBJ_STRING))
            snd_output_printf(instance->out, "%s", p1->value.s);
        else
            princ_object(instance->out, p1);
        n = cdr(p);
        delete_object(instance, p);
        p = n;
    } while (p != &alsa_lisp_nil);
return p1;
}

/*
 * Syntax: (atom expr)
 */
static struct alisp_object * F_atom(struct alisp_instance *instance, struct alisp_object * args)
{
    struct alisp_object * p;

    p = eval(instance, car(args));
delete_tree(instance, cdr(args));
delete_object(instance, args);
if (p == NULL)
    return NULL;

switch (alisp_get_type(p)) {
    case ALISP_OBJ_T:
    case ALISP_OBJ_NIL:
    case ALISP_OBJ_INTEGER:
    case ALISP_OBJ_FLOAT:
    case ALISP_OBJ_STRING:
    case ALISP_OBJ_IDENTIFIER:
    case ALISP_OBJ_POINTER:
delete_tree(instance, p);
    return &alsa_lisp_t;
    default:
    break;
}

delete_tree(instance, p);
return &alsa_lisp_nil;
}

/*
 * Syntax: (cons expr1 expr2)
 */
static struct alisp_object * F_cons(struct alisp_instance *instance, struct alisp_object * args)
{
    struct alisp_object * p;

    p = new_object(instance, ALISP_OBJ_CONS);
if (p) {
p->value.c.car = eval(instance, car(args));
p->value.c.cdr = eval(instance, car(cdr(args)));
delete_tree(instance, cdr(cdr(args)));
delete_object(instance, cdr(args));
}
delete_object(instance, args);
} else {
    delete_tree(instance, args);
}

return p;
}

/
* Syntax: (list expr1...)
*/
static struct alisp_object * F_list(struct alisp_instance *instance, struct alisp_object * args)
{
    struct alisp_object * p = args, * first = NULL, * prev = NULL, * p1;

    if (p == &alsa_lisp_nil)
        return &alsa_lisp_nil;

    do {
        p1 = new_object(instance, ALISP_OBJ_CONS);
        if (p1 == NULL) {
            delete_tree(instance, p);
            delete_tree(instance, first);
            return NULL;
        }
        p1->value.c.car = eval(instance, car(p));
        if (p1->value.c.car == NULL) {
            delete_tree(instance, first);
            delete_tree(instance, cdr(p));
            delete_object(instance, p);
            return NULL;
        }
        if (first == NULL)
            first = p1;
        if (prev != NULL)
            prev->value.c.cdr = p1;
        prev = p1;
        p = cdr(p1 = p);
        delete_object(instance, p1);
    } while (p != &alsa_lisp_nil);

    return first;
}

static inline int eq(struct alisp_object * p1, struct alisp_object * p2)
{
    return p1 == p2;
}
static int equal(struct alisp_object * p1, struct alisp_object * p2)
{
    int type1, type2;

    if (eq(p1, p2))
    return 1;

    type1 = alisp_get_type(p1);
    type2 = alisp_get_type(p2);

    if (type1 == ALISP_OBJ_CONS || type2 == ALISP_OBJ_CONS)
    return 0;

    if (type1 == type2) {
        switch (type1) {
            case ALISP_OBJ_STRING:
                return !strcmp(p1->value.s, p2->value.s);
            case ALISP_OBJ_INTEGER:
                return p1->value.i == p2->value.i;
            case ALISP_OBJ_FLOAT:
                return p1->value.i == p2->value.i;
        }
    }

    return 0;
}

/*
 * Syntax: (eq expr1 expr2)
 */
static struct alisp_object * F_eq(struct alisp_instance *instance, struct alisp_object * args)
{
    struct alisp_object * p1, * p2;

    p1 = eval(instance, car(args));
    p2 = eval(instance, car(cdr(args)));
    delete_tree(instance, cdr(cdr(args)));
    delete_object(instance, cdr(args));
    delete_object(instance, args);

    if (eq(p1, p2)) {
        delete_tree(instance, p1);
        delete_tree(instance, p2);
        return &alsa_lisp_t;
    }
    delete_tree(instance, p1);
    delete_tree(instance, p2);
return &alsa_lisp_nil;
}

/**
 * Syntax: (equal expr1 expr2)
 */
static struct alisp_object * F_equal(struct alisp_instance *instance, struct alisp_object * args)
{
    struct alisp_object * p1, * p2;

    p1 = eval(instance, car(args));
    p2 = eval(instance, car(cdr(args)));
    delete_tree(instance, cdr(cdr(args)));
    delete_object(instance, cdr(args));
    delete_object(instance, args);

    if (equal(p1, p2)) {
        delete_tree(instance, p1);
        delete_tree(instance, p2);
        return &alsa_lisp_t;
    }
    delete_tree(instance, p1);
    delete_tree(instance, p2);
    return &alsa_lisp_nil;
}

/**
 * Syntax: (quote expr)
 */
static struct alisp_object * F_quote(struct alisp_instance *instance ATTRIBUTE_UNUSED, struct alisp_object * args)
{
    struct alisp_object *p = car(args);

    delete_tree(instance, cdr(args));
    delete_object(instance, args);
    return p;
}

/**
 * Syntax: (and expr...)
 */
static struct alisp_object * F_and(struct alisp_instance *instance, struct alisp_object * args)
{
    struct alisp_object * p = args, * p1 = NULL, * n;

    do {
        if (p1)
delete_tree(instance, p1);
p1 = eval(instance, car(p));
if (p1 == &alsa_lisp_nil) {
  delete_tree(instance, p1);
delete_tree(instance, cdr(p));
delete_object(instance, p);
  return &alsa_lisp_nil;
}
p = cdr(n = p);
delete_object(instance, n);
} while (p != &alsa_lisp_nil);
return p1;
}

/*
 * Syntax: (or expr...)
 */
static struct alisp_object * F_or(struct alisp_instance *instance, struct alisp_object * args)
{
struct alisp_object * p = args, * p1 = NULL, * n;
do {
  if (p1)
    delete_tree(instance, p1);
p1 = eval(instance, car(p));
  if (p1 != &alsa_lisp_nil)
    delete_tree(instance, cdr(p));
delete_object(instance, p);
  return p1;
}
p = cdr(n = p);
delete_object(instance, n);
} while (p != &alsa_lisp_nil);
return &alsa_lisp_nil;

/*
 * Syntax: (not expr)
 * Syntax: (null expr)
 */
static struct alisp_object * F_not(struct alisp_instance *instance, struct alisp_object * args)
{
struct alisp_object * p = eval(instance, car(args));
delete_tree(instance, cdr(args));
delete_object(instance, args);
delete_tree(instance, cdr(args));
delete_object(instance, args);
if (p != &alsa_lisp_nil) {
    delete_tree(instance, p);
    return &alsa_lisp_nil;
}

delete_tree(instance, p);
return &alsa_lisp_t;
}

/*
 * Syntax: (cond (expr1 [expr2])...)
 */
static struct alisp_object * F_cond(struct alisp_instance *instance, struct alisp_object * args)
{
    struct alisp_object * p = args, * p1, * p2, * p3;

do {
    p1 = car(p);
    if ((p2 = eval(instance, car(p1))) != &alsa_lisp_nil) {
        p3 = cdr(p1);
        delete_object(instance, p1);
        delete_tree(instance, cdr(p));
        delete_object(instance, p);
        if (p3 != &alsa_lisp_nil) {
            delete_tree(instance, p2);
            return F_progn(instance, p3);
        } else {
            delete_tree(instance, p3);
            return p2;
        }
    } else {
        delete_tree(instance, p2);
        delete_tree(instance, cdr(p1));
        delete_object(instance, p1);
    }
    p = cdr(p2 = p);
} while (p != &alsa_lisp_nil);

return &alsa_lisp_nil;
}

/*/ 
 * Syntax: (if expr then-expr else-expr...)
 */
static struct alisp_object * F_if(struct alisp_instance *instance, struct alisp_object * args)
{
    struct alisp_object * p1, * p2, * p3;

```c
p1 = car(args);
p2 = car(cdr(args));
p3 = cdr(cdr(args));
delete_object(instance, cdr(args));
delete_object(instance, args);

p1 = eval(instance, p1);
if (p1 != &alsa_lisp_nil) {
  delete_tree(instance, p1);
delete_tree(instance, p3);
  return eval(instance, p2);
}
delete_tree(instance, p1);
delete_tree(instance, p2);
return F_progn(instance, p3);
}

/*
* Syntax: (when expr then-expr...)
*/
static struct alisp_object * F_when(struct alisp_instance *instance, struct alisp_object * args)
{
  struct alisp_object * p1, * p2;

  p1 = car(args);
p2 = cdr(args);
delete_object(instance, args);
if ((p1 = eval(instance, p1)) != &alsa_lisp_nil) {
  delete_tree(instance, p1);
delete_tree(instance, p2);
  return F_progn(instance, p2);
} else {
  delete_tree(instance, p1);
delete_tree(instance, p2);
}

return &alsa_lisp_nil;
}

/*
* Syntax: (unless expr else-expr...)
*/
static struct alisp_object * F_unless(struct alisp_instance *instance, struct alisp_object * args)
{
  struct alisp_object * p1, * p2;

  p1 = car(args);
```

p2 = cdr(args);
delete_object(instance, args);
if ((p1 = eval(instance, p1)) == &alsa_lisp_nil) {
    return F_progn(instance, p2);
} else {
    delete_tree(instance, p1);
delete_tree(instance, p2);
}

return &alsa_lisp_nil;
}

/*
 * Syntax: (while expr exprs...)
 */
class struct alisp_object * F_while(struct alisp_instance *instance, struct alisp_object * args) {
    struct alisp_object * p1, * p2, * p3;

    p1 = car(args);
p2 = cdr(args);

delete_object(instance, args);
while (1) {
    incref_tree(instance, p1);
    if ((p3 = eval(instance, p1)) == &alsa_lisp_nil)
        break;
delete_tree(instance, p3);
    incref_tree(instance, p2);
    delete_tree(instance, F_progn(instance, p2));
}

delete_tree(instance, p1);
delete_tree(instance, p2);
return &alsa_lisp_nil;
}

/*
 * Syntax: (progn expr...)
 */
class struct alisp_object * F_progn(struct alisp_instance *instance, struct alisp_object * args) {
    struct alisp_object * p = args, * p1 = NULL, * n;

do {
    if (p1)
        delete_tree(instance, p1);
p1 = eval(instance, car(p));

    if (p2)
        delete_tree(instance, p2);
p2 = cdr(p2);
n = cdr(p);
delete_object(instance, p);
p = n;
} while (p != &alsa_lisp_nil);

return p1;
}

/*
 * Syntax: (prog1 expr...)
 */
static struct alisp_object * F_prog1(struct alisp_instance *instance, struct alisp_object * args)
{
struct alisp_object * p = args, * first = NULL, * p1;

do {
    p1 = eval(instance, car(p));
    if (first == NULL)
        first = p1;
    else
        delete_tree(instance, p1);
    p1 = cdr(p);
delete_object(instance, p);
p = p1;
} while (p != &alsa_lisp_nil);

if (first == NULL)
    first = &alsa_lisp_nil;

return first;
}

/*
 * Syntax: (prog2 expr...)
 */
static struct alisp_object * F_prog2(struct alisp_instance *instance, struct alisp_object * args)
{
struct alisp_object * p = args, * second = NULL, * p1;

int i = 0;

do {
    ++i;
    p1 = eval(instance, car(p));
    if (i == 2)
        second = p1;
    else
        delete_tree(instance, p1);
    p1 = cdr(p);
}
delete_object(instance, p);
p = p1;
} while (p != &alsa_lisp_nil);

if (second == NULL)
second = &alsa_lisp_nil;

return second;
}

/*
 * Syntax: (set name value)
 */
static struct alisp_object * F_set(struct alisp_instance *instance, struct alisp_object * args)
{
struct alisp_object * p1 = eval(instance, car(args)),
    * p2 = eval(instance, car(cdr(args)));

delete_tree(instance, cdr(cdr(args)));
delete_object(instance, cdr(args));
delete_object(instance, args);
if (!check_set_object(instance, p1)) {
    delete_tree(instance, p2);
p2 = &alsa_lisp_nil;
} else {
    if (set_object(instance, p1, p2) == NULL) {
        delete_tree(instance, p1);
delete_tree(instance, p2);
        return NULL;
    }
    delete_tree(instance, p1);
}
return incref_tree(instance, p2);
}

/*
 * Syntax: (unset name)
 */
static struct alisp_object * F_unset(struct alisp_instance *instance, struct alisp_object * args)
{
struct alisp_object * p1 = eval(instance, car(args)));

delete_tree(instance, unset_object(instance, p1));
delete_tree(instance, cdr(args));
delete_object(instance, args);
return p1;
}
/ * Syntax: (setq name value...)  
* Syntax: (setf name value...)  
* `name' is not evalled  
*/  
static struct alisp_object * F_setq(struct alisp_instance *instance, struct alisp_object * args)  
{  
struct alisp_object * p = args, * p1, * p2 = NULL, *n;  
  
do {  
p1 = car(p);  
p2 = eval(instance, car(cdr(p)));  
n = cdr(cdr(p));  
delete_object(instance, cdr(p));  
delete_object(instance, p);  
if (!check_set_object(instance, p1)) {  
delete_tree(instance, p2);  
p2 = &alsa_lisp_nil;  
} else {  
if (set_object(instance, p1, p2) == NULL) {  
delete_tree(instance, p1);  
delete_tree(instance, p2);  
return NULL;  
}  
}  
delete_tree(instance, p1);  
p = n;  
} while (p != &alsa_lisp_nil);  
  
return incref_tree(instance, p2);  
}  
*/  
* Syntax: (unsetq name...)  
* Syntax: (unsetf name...)  
* `name' is not evalled  
*/  
static struct alisp_object * F_unsetq(struct alisp_instance *instance, struct alisp_object * args)  
{  
struct alisp_object * p = args, * p1 = NULL, * n;  
  
do {  
if (p1)  
delete_tree(instance, p1);  
p1 = unset_object(instance, car(p));  
delete_tree(instance, car(p));  
p = cdr(n = p);  
delete_object(instance, n);  
} while (p != &alsa_lisp_nil);  


while (p != &alsa_lisp_nil);

return p1;

/*
 * Syntax: (defun name arglist expr...)
 * `name' is not evalled
 * `arglist' is not evalled
 */
static struct alisp_object * F_defun(struct alisp_instance *instance, struct alisp_object * args)
{
struct alisp_object * p1 = car(args),
    * p2 = car(cdr(args)),
    * p3 = cdr(cdr(args));
struct alisp_object * leexpr;

leexpr = new_object(instance, ALISP_OBJ_CONS);
if (leexpr) {
    leexpr->value.c.car = new_identifier(instance, "lambda");
    if (leexpr->value.c.car == NULL) {
        delete_object(instance, leexpr);
        delete_tree(instance, args);
        return NULL;
    }
    if ((leexpr->value.c.cdr = new_object(instance, ALISP_OBJ_CONS)) == NULL) {
        delete_object(instance, leexpr->value.c.car);
        delete_object(instance, leexpr);
        delete_tree(instance, args);
        return NULL;
    }
    leexpr->value.c.cdr->value.c.car = p2;
    leexpr->value.c.cdr->value.c.cdr = p3;
    delete_object(instance, cdr(args));
    delete_object(instance, leexpr);
    if (set_object(instance, p1, leexpr) == NULL) {
        delete_tree(instance, p1);
        delete_tree(instance, leexpr);
        return NULL;
    }
    delete_tree(instance, p1);
} else {
    delete_tree(instance, args);
}
return &alsa_lisp_nil;

}

static struct alisp_object * eval_func(struct alisp_instance *instance, struct alisp_object * p, struct alisp_object *
 args)
 {
 struct alisp_object * p1, * p2, * p3, * p4;
 struct alisp_object ** eval_objs, ** save_objs;
 int i;

 p1 = car(p);
 if (alisp_compare_type(p1, ALISP_OBJ_IDENTIFIER) &&
  !strcmp(p1->value.s, "lambda")) {
 p2 = car(cdr(p));
 p3 = args;

 if ((i = count_list(p2)) != count_list(p3)) {
 lisp_warn(instance, "wrong number of parameters");
 goto _delete;
 }

 eval_objs = malloc(2 * i * sizeof(struct alisp_object *));
 if (eval_objs == NULL) {
 nomem();
 goto _delete;
 }

 save_objs = eval_objs + i;

 /*
 * Save the new variable values.
 */
 i = 0;
 while (p3 != &alsa_lisp_nil) {
 eval_objs[i++] = eval(instance, car(p3));
 p3 = cdr(p4 = p3);
 delete_object(instance, p4);
 }

 /*
 * Save the old variable values and set the new ones.
 */
 i = 0;
 while (p2 != &alsa_lisp_nil) {
 p3 = car(p2);
 save_objs[i] = replace_object(instance, p3, eval_objs[i]);
 if (save_objs[i] == NULL &&
     set_object_direct(instance, p3, eval_objs[i]) == NULL) {
 p4 = NULL;
 goto _end;
 }
 p2 = cdr(p2);
 ++i;


```c
p4 = F_progn(instance, cdr(incref_tree(instance, p3 = cdr(p))));

/*
 * Restore the old variable values.
 */
p2 = car(p3);
delete_object(instance, p3);
i = 0;
while (p2 != &alsa_lisp_nil) {
p3 = car(p2);
if (save_objs[i] == NULL) {
p3 = unset_object(instance, p3);
} else {
p3 = replace_object(instance, p3, save_objs[i]);
}
i++;
delete_tree(instance, p3);
delete_tree(instance, car(p2));
p2 = cdr(p3 = p2);
delete_object(instance, p3);
}

_end:
free(eval_objs);

return p4;
} else {
    _delete:
delete_tree(instance, args);
}
return &alsa_lisp_nil;
}

struct alisp_object * F_gc(struct alisp_instance *instance ATTRIBUTE_UNUSED, struct alisp_object * args ATTRIBUTE_UNUSED)
{
    /* improved: no more traditional gc */
    return &alsa_lisp_t;
}

/*
 * Syntax: (path what)
 * what is string ('data')
 */
struct alisp_object * F_path(struct alisp_instance *instance, struct alisp_object * args)
{

```
struct alisp_object * p1;

p1 = eval(instance, car(args));
delete_tree(instance, cdr(args));
delete_object(instance, args);
if (!alisp_compare_type(p1, ALISP_OBJ_STRING)) {
delete_tree(instance, p1);
return &alsa_lisp_nil;
}
if (!strcmp(p1->value.s, "data")) {
delete_tree(instance, p1);
return new_string(instance, snd_config_topdir());
}
delete_tree(instance, p1);
return &alsa_lisp_nil;
}

/*
 * Syntax: (include filename...)
 */

struct alisp_object * F_include(struct alisp_instance *instance, struct alisp_object * args)
{
 struct alisp_object * p = args, * p1;
 int res = -ENOENT;

do {
 p1 = eval(instance, car(p));
 if (alisp_compare_type(p1, ALISP_OBJ_STRING))
 res = alisp_include_file(instance, p1->value.s);
 delete_tree(instance, p1);
 p = cdr(p1 = p);
 delete_object(instance, p1);
} while (p != &alsa_lisp_nil);

return new_integer(instance, res);
}

/*
 * Syntax: (string-to-integer value)
 * 'value' can be integer or float type
 */

struct alisp_object * F_string_to_integer(struct alisp_instance *instance, struct alisp_object * args)
{
 struct alisp_object * p = eval(instance, car(args)), * p1;

delete_tree(instance, cdr(args));
delete_object(instance, args);
if (alisp_compare_type(p, ALISP_OBJ_INTEGER))
return p;
if (alisp_compare_type(p, ALISP_OBJ_FLOAT)) {
    p1 = new_integer(instance, floor(p->value.f));
} else {
    lisp_warn(instance, "expected an integer or float for integer conversion");
    p1 = &alsa_lisp_nil;
}
delete_tree(instance, p);
return p1;
}

/*
 * Syntax: (string-to-float value)
 * 'value' can be integer or float type
 */
struct alisp_object * F_string_to_float(struct alisp_instance *instance, struct alisp_object * args) {
    struct alisp_object * p = eval(instance, car(args)), * p1;

delete_tree(instance, cdr(args));
delete_object(instance, args);
if (alisp_compare_type(p, ALISP_OBJ_FLOAT)) return p;
if (alisp_compare_type(p, ALISP_OBJ_INTEGER)) {
    p1 = new_float(instance, p->value.i);
} else {
    lisp_warn(instance, "expected an integer or float for integer conversion");
    p1 = &alsa_lisp_nil;
}
delete_tree(instance, p);
return p1;
}

static int append_to_string(char **s, int *len, char *from, int size) {
    if (*len == 0) {
        *s = malloc(*len = size + 1);
        if (*s == NULL) {
            nomem();
            return -ENOMEM;
        }
        memcpy(*s, from, size);
    } else {
        *len += size;
        *s = realloc(*s, *len);
        if (*s == NULL) {
            nomem();
            return -ENOMEM;
        }
        memcpy(*s, from, size);
    } else {
        *len += size;
        *s = realloc(*s, *len);
        if (*s == NULL) {
            nomem();
            return -ENOMEM;
        }
        memcpy(*s, from, size);
    }
memcpy(*s + strlen(*s), from, size);
(*s)[*len - 1] = '\0';
return 0;

static int format_parse_char(struct alisp_instance *instance, char **s, int *len, struct alisp_object *p)
{
    char b;

    if (!alisp_compare_type(p, ALISP_OBJ_INTEGER)) {
        lisp_warn(instance, "format: expected integer\n");
        return 0;
    }
    b = p->value.i;
    return append_to_string(s, len, &b, 1);
}

static int format_parse_integer(struct alisp_instance *instance, char **s, int *len, struct alisp_object *p)
{
    int res;
    char *s1;

    if (!alisp_compare_type(p, ALISP_OBJ_INTEGER) &&
        !alisp_compare_type(p, ALISP_OBJ_FLOAT)) {
        lisp_warn(instance, "format: expected integer or float\n");
        return 0;
    }
    s1 = malloc(64);
    if (s1 == NULL) {
        nomem();
        return -ENOMEM;
    }
    sprintf(s1, "%li", alisp_compare_type(p, ALISP_OBJ_FLOAT) ? (long)floor(p->value.f) : p->value.i);
    res = append_to_string(s, len, s1, strlen(s1));
    free(s1);
    return res;
}

static int format_parse_float(struct alisp_instance *instance, char **s, int *len, struct alisp_object *p)
{
    int res;
    char *s1;

    if (!alisp_compare_type(p, ALISP_OBJ_INTEGER) &&
        !alisp_compare_type(p, ALISP_OBJ_FLOAT)) {
        lisp_warn(instance, "format: expected integer or float\n");
        return 0;
    }
    s1 = malloc(64);
    if (s1 == NULL) {
        nomem();
        return -ENOMEM;
    }
    sprintf(s1, "%li", alisp_compare_type(p, ALISP_OBJ_FLOAT) ? (long)floor(p->value.f) : p->value.i);
    res = append_to_string(s, len, s1, strlen(s1));
    free(s1);
    return res;
}
return 0;
}
s1 = malloc(64);
if (s1 == NULL) {
  nomem();
  return -ENOMEM;
}
sprintf(s1, "%f", alisp_compare_type(p, ALISP_OBJ_FLOAT) ? p->value.f : (double)p->value.i);
res = append_to_string(s, len, s1, strlen(s1));
free(s1);
return res;
}

static int format_parse_string(struct alisp_instance *instance, char **s, int *len, struct alisp_object *p)
{
  if (!alisp_compare_type(p, ALISP_OBJ_STRING)) {
    lisp_warn(instance, "format: expected string
");    
    return 0;
  }
  return append_to_string(s, len, p->value.s, strlen(p->value.s));
}

/*
 * Syntax: (format format value...)
 * 'format' is C-like format string
 */
struct alisp_object * F_format(struct alisp_instance *instance, struct alisp_object * args)
{
  struct alisp_object * p = eval(instance, car(args)), * p1 = cdr(args), * n;
  char *s, *s1, *s2;
  int len;

  delete_object(instance, args);
  if (!alisp_compare_type(p, ALISP_OBJ_STRING)) {
    delete_tree(instance, p1);
    delete_tree(instance, p);
    lisp_warn(instance, "format: expected an format string");
    return &alsa_lisp_nil;
  }
  s = p->value.s;
  s1 = NULL;
  len = 0;
  n = eval(instance, car(p1));
  do {
    while (1) {
      s2 = s;
      while (*s2 && *s2 != '%')
        s2++;
      }
if (s2 != s) {
    if (append_to_string(&s1, &len, s, s2 - s) < 0) {
        __error:
        delete_tree(instance, n);
        delete_tree(instance, cdr(p1));
        delete_object(instance, p1);
        delete_tree(instance, p);
        return NULL;
    }
    if (*s2 == '%')
        s2++;
    switch (*s2) {
    case '%':
        if (append_to_string(&s1, &len, s2, 1) < 0)
            goto __error;
        s = s2 + 1;
        break;
    case 'c':
        if (format_parse_char(instance, &s1, &len, n) < 0)
            goto __error;
        s = s2 + 1;
        goto __next;
    case 'd':
        if (format_parse_integer(instance, &s1, &len, n) < 0)
            goto __error;
        s = s2 + 1;
        goto __next;
    case 'f':
        if (format_parse_float(instance, &s1, &len, n) < 0)
            goto __error;
        s = s2 + 1;
        goto __next;
    case 's':
        if (format_parse_string(instance, &s1, &len, n) < 0)
            goto __error;
        s = s2 + 1;
        goto __next;
    case '0':
        if (format_parse_integer(instance, &s1, &len, n) < 0)
            goto __error;
        s = s2 + 1;
        goto __next;
    default:
        lisp_warn(instance, "unknown format char '%c'", *s2);
        s = s2 + 1;
        goto __next;
    }
}
__next:
delete_tree(instance, n);
p1 = cdr(n = p1);
delete_object(instance, n);
n = eval(instance, car(p1));
} while (*s);

__end:
delete_tree(instance, n);
delete_tree(instance, cdr(p1));
delete_object(instance, p1);
delete_tree(instance, p);
if (len > 0) {
p1 = new_string(instance, s1);
free(s1);
} else {
p1 = &alsa_lisp_nil;
}
return p1;

/*
 * Syntax: (compare-strings str1 start1 end1 str2 start2 end2 /opt-case-insensitive)
 * 'str1' is first compared string
 * 'start1' is first char (0..)
 * 'end1' is last char (0..)
 * 'str2' is second compared string
 * 'start2' is first char (0..)
 * 'end2' is last char (0..)
 * /opt-case-insensitive true - case insensitive match
 */
struct alisp_object * F_compare_strings(struct alisp_instance *instance, struct alisp_object * args)
{
    struct alisp_object * p1 = args, * n, * p[7];
    char *s1, *s2;
    int start1, end1, start2, end2;

    for (start1 = 0; start1 < 7; start1++) {
        p[start1] = eval(instance, car(p1));
p1 = cdr(n = p1);
delete_object(instance, n);
    }
delete_tree(instance, p1);
if (alisp_compare_type(p[0], ALISP_OBJ_STRING)) {
lisp_warn(instance, "compare-strings: first argument must be string\n");
p1 = &alsa_lisp_nil;
goto __err;
}
if (alisp_compare_type(p[1], ALISP_OBJ_INTEGER)) {
lisp_warn(instance, "compare-strings: second argument must be integer\n");
p1 = &alsa_lisp_nil;
goto __err;
}
if (alisp_compare_type(p[2], ALISP_OBJ_INTEGER)) {
lisp_warn(instance, "compare-strings: third argument must be integer\n");
p1 = &alsa_lisp_nil;
goto __err;
}
if (alisp_compare_type(p[3], ALISP_OBJ_STRING)) {
lisp_warn(instance, "compare-strings: fifth argument must be string\n");
p1 = &alsa_lisp_nil;
goto __err;
}
if (!alisp_compare_type(p[4], ALISP_OBJ_NIL) &&
    !alisp_compare_type(p[4], ALISP_OBJ_INTEGER)) {
lisp_warn(instance, "compare-strings: fourth argument must be integer\n");
p1 = &alsa_lisp_nil;
goto __err;
}
if (!alisp_compare_type(p[5], ALISP_OBJ_NIL) &&
    !alisp_compare_type(p[5], ALISP_OBJ_INTEGER)) {
lisp_warn(instance, "compare-strings: sixth argument must be integer\n");
p1 = &alsa_lisp_nil;
goto __err;
}
s1 = p[0]->value.s;
start1 = p[1]->value.i;
end1 = p[2]->value.i;
s2 = p[3]->value.s;
start2 = alisp_compare_type(p[4], ALISP_OBJ_NIL) ? 0 : p[4]->value.i;
end2 = alisp_compare_type(p[5], ALISP_OBJ_NIL) ? start2 + (end1 - start1) : p[5]->value.i;
if (start1 < 0 || start2 < 0 || end1 < 0 || end2 < 0 ||
    start1 >= (int)strlen(s1) || start2 >= (int)strlen(s2) ||
    (end1 - start1) != (end2 - start2)) {
p1 = &alsa_lisp_nil;
goto __err;
}
if (p[6] != &alsa_lisp_nil) {
while (start1 < end1) {
if (s1[start1] == '0' ||
    s2[start2] == '0' ||
    tolower(s1[start1]) != tolower(s2[start2])) {
p1 = &alsa_lisp_nil;
goto __err;
}
start1++;
start2++;
}
} else {
while (start1 < end1) {
if (s1[start1] == '\0' ||
    s2[start2] == '\0' ||
    s1[start1] != s2[start2]) {
    p1 = &alsa_lisp_nil;
goto __err;
} else {
    start1++;
    start2++;
}
} else {
    p1 = &alsa_lisp_1;
}

__err:
for (start1 = 0; start1 < 7; start1++)
    delete_tree(instance, p[start1]);
return p1;
}

/*
 * Syntax: (assoc key alist)
 */
struct alisp_object * F_assoc(struct alisp_instance *instance, struct alisp_object * args) {
    struct alisp_object * p1, * p2, * n;

    p1 = eval(instance, car(args));
    p2 = eval(instance, car(cdr(args)));
    delete_tree(instance, cdr(cdr(args)));
    delete_object(instance, cdr(args));
    delete_object(instance, args);

    do {
        if (eq(p1, car(car(p2)))) {
            n = car(p2);
            delete_tree(instance, p1);
            delete_tree(instance, cdr(p2));
            delete_object(instance, p2);
            return n;
        }
        delete_tree(instance, car(p2));
        p2 = cdr(n = p2);
    } while (p2 != &alsa_lisp_nil);

    delete_tree(instance, car(p2));
    p2 = cdr(n = p2);
    delete_object(instance, n);
} while (p2 != &alsa_lisp_nil);

    delete_tree(instance, p1);
return &alsa_lisp_nil;

}
struct alisp_object * F_rassoc(struct alisp_instance *instance, struct alisp_object * args)
{
    struct alisp_object * p1, *p2, * n;

    p1 = eval(instance, car(args));
    p2 = eval(instance, car(cdr(args)));
    delete_tree(instance, cdr(cdr(args)));
    delete_object(instance, cdr(args));
    delete_object(instance, args);

    do {
        if (eq(p1, cdr(car(p2)))) {
            n = car(p2);
            delete_tree(instance, p1);
            delete_tree(instance, cdr(p2));
            delete_object(instance, p2);
            return n;
        }
        delete_tree(instance, car(p2));
        p2 = cdr(n = p2);
        delete_object(instance, n);
    } while (p2 != &alsa_lisp_nil);

    delete_tree(instance, p1);
    return &alsa_lisp_nil;
}

struct alisp_object * F_assq(struct alisp_instance *instance, struct alisp_object * args)
{
    struct alisp_object * p1, * p2, * n;

    p1 = eval(instance, car(args));
    p2 = eval(instance, car(cdr(args)));
    delete_tree(instance, cdr(cdr(args)));
    delete_object(instance, cdr(args));
    delete_object(instance, args);

    do {
        if (equal(p1, car(car(p2)))) {
            n = car(p2);
            delete_tree(instance, p1);
            delete_tree(instance, cdr(p2));
            delete_object(instance, p2);
            return n;
        }
        delete_tree(instance, car(p2));
        p2 = cdr(n = p2);
        delete_object(instance, n);
    } while (p2 != &alsa_lisp_nil);

    delete_tree(instance, p1);
    return &alsa_lisp_nil;
}
delete_tree(instance, p1);
delete_tree(instance, cdr(p2));
delete_object(instance, p2);
return n;
}
delete_tree(instance, car(p2));
p2 = cdr(n = p2);
delete_object(instance, n);
} while (p2 != &alsa_lisp_nil);
delete_tree(instance, p1);
return &alsa_lisp_nil;
}

/*
* Syntax: (nth index alist)
*/

struct alisp_object * F_nth(struct alisp_instance *instance, struct alisp_object * args)
{
struct alisp_object * p1, * p2, * n;
long idx;

p1 = eval(instance, car(args));
p2 = eval(instance, car(cdr(args)));
delete_tree(instance, cdr(cdr(args)));
delete_object(instance, cdr(args));
delete_object(instance, args);

if (!alisp_compare_type(p1, ALISP_OBJ_INTEGER)) {
delete_tree(instance, p1);
delete_tree(instance, p2);
return &alsa_lisp_nil;
}
if (!alisp_compare_type(p2, ALISP_OBJ_CONS)) {
delete_object(instance, p1);
delete_tree(instance, p2);
return &alsa_lisp_nil;
}
idx = p1->value.i;
delete_object(instance, p1);
while (idx-- > 0) {
delete_tree(instance, car(p2));
p2 = cdr(n = p2);
delete_object(instance, n);
}
n = car(p2);
delete_tree(instance, cdr(p2));
delete_object(instance, p2);
return n;
}

/*
 * Syntax: (rassq value alist)
 */

struct alisp_object * F_rassq(struct alisp_instance *instance, struct alisp_object * args)
{
    struct alisp_object * p1, * p2, * n;

    p1 = eval(instance, car(args));
    p2 = eval(instance, car(cdr(args)));
    delete_tree(instance, cdr(cdr(args)));
    delete_object(instance, cdr(args));
    delete_object(instance, args);

    do {
        if (equal(p1, cdr(car(p2)))) {
            n = car(p2);
            delete_tree(instance, p1);
            delete_tree(instance, cdr(p2));
            delete_object(instance, p2);
            return n;
        }
        delete_tree(instance, car(p2));
        p2 = cdr(n = p2);
        delete_object(instance, n);
    } while (p2 != &alsa_lisp_nil);

    delete_tree(instance, p1);
    return &alsa_lisp_nil;
}

static struct alisp_object * F_dump_memory(struct alisp_instance *instance, struct alisp_object * args)
{
    struct alisp_object * p = car(args);

    if (p != &alsa_lisp_nil && cdr(args) == &alsa_lisp_nil &&
        alisp_compare_type(p, ALISP_OBJ_STRING)) {
        if (strlen(p->value.s) > 0) {
            dump_objects(instance, p->value.s);
            delete_tree(instance, args);
            return &alsa_lisp_t;
        } else
            lisp_warn(instance, "expected filename");
    } else
        lisp_warn(instance, "wrong number of parameters (expected string)");
delete_tree(instance, args);
return &alsa_lisp_nil;
}

static struct alisp_object * F_stat_memory(struct alisp_instance *instance, struct alisp_object * args)
{
    snd_output_printf(instance->out, "*** Memory stats\n");
    snd_output_printf(instance->out, " used_objs = %li, free_objs = %li, max_objs = %li, obj_size = %i (total bytes = %li, max bytes = %li)\n",
                       instance->used_objs,
                       instance->free_objs,
                       instance->max_objs,
                       (int)sizeof(struct alisp_object),
                       (long)((instance->used_objs + instance->free_objs) * sizeof(struct alisp_object)),
                       (long)(instance->max_objs * sizeof(struct alisp_object)));
    delete_tree(instance, args);
    return &alsa_lisp_nil;
}

static struct alisp_object * F_check_memory(struct alisp_instance *instance, struct alisp_object * args)
{
    delete_tree(instance, args);
    if (instance->used_objs > 0) {
        fprintf(stderr, "!!!alsa lisp - check memory failed!!!\n");
        F_stat_memory(instance, &alsa_lisp_nil);
        exit(EXIT_FAILURE);
    }
    return &alsa_lisp_t;
}

static struct alisp_object * F_dump_objects(struct alisp_instance *instance, struct alisp_object * args)
{
    struct alisp_object * p = car(args);

    if (p != &alsa_lisp_nil && &cdr(args) == &alsa_lisp_nil &&
        alisp_compare_type(p, ALISP_OBJ_STRING)) {
        if (strlen(p->value.s) > 0) {
            dump_obj_lists(instance, p->value.s);
            delete_tree(instance, args);
            return &alsa_lisp_t;
        } else
            lisp_warn(instance, "expected filename");
    } else
        lisp_warn(instance, "wrong number of parameters (expected string)\n");
    delete_tree(instance, args);
    return &alsa_lisp_nil;
}
struct intrinsic {
    const char *name;
    struct alisp_object * (*func)(struct alisp_instance *instance, struct alisp_object * args);
};

static const struct intrinsic intrinsics[] = {
    { "!=" , F_numneq },
    { "%" , F_mod },
    { "&check-memory" , F_check_memory },
    { "&dump-memory" , F_dump_memory },
    { "&dump-objects" , F_dump_objects },
    { "&stat-memory" , F_stat_memory },
    { "*" , F_mul },
    { "+" , F_add },
    { "-" , F_sub },
    { "/" , F_div },
    { "<" , F_lt },
    { "<=" , F_le },
    { "=" , F_numeq },
    { ">" , F_gt },
    { ">=" , F_ge },
    { "and" , F_and },
    { "assoc" , F_assoc },
    { "assq" , F_assq },
    { "atom" , F_atom },
    { "car" , F_car },
    { "cdr" , F_cdr },
    { "compare-strings" , F_compare_strings },
    { "concat" , F_concat },
    { "cond" , F_cond },
    { "cons" , F_cons },
    { "defun" , F_defun },
    { "eq" , F_eq },
    { "equal" , F_equal },
    { "eval" , F_eval },
    { "exfun" , F_exfun },
    { "format" , F_format },
    { "funcall" , F_funcall },
    { "garbage-collect" , F_gc },
    { "gc" , F_gc },
    { "if" , F_if },
    { "include" , F_include },
    { "list" , F_list },
    { "not" , F_not },
    { "nth" , F_nth },
    { "null" , F_not },
    { "or" , F_or }
};


```c
{ "path", F_path },
{ "princ", F_princ },
{ "prog1", F_prog1 },
{ "prog2", F_prog2 },
{ "progn", F_progn },
{ "quote", F_quote },
{ "rassoc", F_rassoc },
{ "rassq", F_rassq },
{ "set", F_set },
{ "setf", F_setq },
{ "setq", F_setq },
{ "string-equal", F_equal },
{ "string-to-float", F_string_to_float },
{ "string-to-integer", F_string_to_integer },
{ "string-to-number", F_string_to_float },
{ "string=" , F_equal },
{ "unless", F_unless },
{ "unset", F_unset },
{ "unsetf", F_unsetq },
{ "unsetq", F_unsetq },
{ "when", F_when },
{ "while", F_while },
};

#include "alisp_snd.c"

static int compar(const void *p1, const void *p2)
{
    return strcmp(((struct intrinsic *)p1)->name,
                   ((struct intrinsic *)p2)->name);
}

static inline struct alisp_object * eval_cons1(struct alisp_instance *instance, struct alisp_object * p1, struct alisp_object * p2)
{
struct alisp_object * p3;
struct intrinsic key, *item;

    key.name = p1->value.s;
    if ((item = bsearch(&key, intrinsics, 
                      sizeof intrinsics / sizeof intrinsics[0],
                      sizeof intrinsics[0], compar)) != NULL) {
        delete_object(instance, p1);
        return item->func(instance, p2);
    }

    if ((item = bsearch(&key, snd_intrinsics,
```
```c
    sizeof snd_intrinsics / sizeof snd_intrinsics[0],
    sizeof snd_intrinsics[0], compar)) != NULL) {
    delete_object(instance, p1);
    return item->func(instance, p2);
}

if ((p3 = get_object(instance, p1)) != &alsa_lisp_nil) {
    delete_object(instance, p1);
    return eval_func(instance, p3, p2);
} else {
    lisp_warn(instance, "function `%s' is undefined", p1->value.s);
    delete_object(instance, p1);
    delete_tree(instance, p2);
}

return &alsa_lisp_nil;
}

/*
 * Syntax: (funcall function args...)
 */
static struct alisp_object * F_funcall(struct alisp_instance *instance, struct alisp_object * args)
{
    struct alisp_object * p = eval(instance, car(args)), * p1;

    if (!alisp_compare_type(p, ALISP_OBJ_IDENTIFIER) &&
        !alisp_compare_type(p, ALISP_OBJ_STRING)) {
        lisp_warn(instance, "expected an function name");
        delete_tree(instance, p);
        delete_tree(instance, cdr(args));
        delete_object(instance, args);
        return &alsa_lisp_nil;
    }

    p1 = cdr(args);
    delete_object(instance, args);
    return eval_cons1(instance, p, p1);
}

static inline struct alisp_object * eval_cons(struct alisp_instance *instance, struct alisp_object * p)
{
    struct alisp_object * p1 = car(p), * p2;

    if (p1 != &alsa_lisp_nil && alisp_compare_type(p1, ALISP_OBJ_IDENTIFIER)) {
        if (!strcmp(p1->value.s, "lambda")
            return p;

        p2 = cdr(p);
        delete_object(instance, p);
    }
```
return eval_cons1(instance, p1, p2);
} else {
    delete_tree(instance, p);
}

return &alsa_lisp_nil;
}

static struct alisp_object * eval(struct alisp_instance *instance, struct alisp_object * p)
{
    switch (alisp_get_type(p)) {
    case ALISP_OBJ_IDENTIFIER:
        struct alisp_object *r = incref_tree(instance, get_object(instance, p));
        delete_object(instance, p);
        return r;
    case ALISP_OBJ_INTEGER:
    case ALISP_OBJ_FLOAT:
    case ALISP_OBJ_STRING:
    case ALISP_OBJ_POINTER:
        return p;
    case ALISP_OBJ_CONS:
        return eval_cons(instance, p);
    default:
        break;
    }

    return p;
}

static struct alisp_object * F_eval(struct alisp_instance *instance, struct alisp_object * args)
{
    return eval(instance, eval(instance, car(args)));
}

/*/  * main routine  */

static int alisp_include_file(struct alisp_instance *instance, const char *filename)
{
    snd_input_t *old_in;
    struct alisp_object *p, *p1;
    char *name;
    int retval = 0, err;

    err = snd_user_file(filename, &name);
    if (err < 0)
return err;
old_in = instance->in;
err = snd_input_stdio_open(&instance->in, name, "r");
if (err < 0) {
    retval = err;
goto _err;
}
if (instance->verbose)
lisp_verbose(instance, "** include filename '%s', name);

for (;;) {
    if ((p = parse_object(instance, 0)) == NULL)
        break;
    if (instance->verbose) {
        lisp_verbose(instance, "** code");
        princ_object(instance->vout, p);
        snd_output_putc(instance->vout, '\n');
    }
    p1 = eval(instance, p);
    if (p1 == NULL) {
        retval = -ENOMEM;
        break;
    }
    if (instance->verbose) {
        lisp_verbose(instance, "** result");
        prin_object(instance->vout, p1);
        snd_output_putc(instance->vout, '\n');
    }
    delete_tree(instance, p1);
    if (instance->debug) {
        lisp_debug(instance, "** objects after operation");
        print_obj_lists(instance, instance->dout);
    }
}
snd_input_close(instance->in);
_err:
free(name);
instance->in = old_in;
return retval;
}

int alsa_lisp(struct alisp_cfg *cfg, struct alisp_instance **instance)
{
    struct alisp_instance *instance;
    struct alisp_object *p, *p1;
    int i, j, retval = 0;
instance = (struct alisp_instance *)calloc(1, sizeof(struct alisp_instance));
if (instance == NULL) {
    nomem();
    return -ENOMEM;
}
instance->verbose = cfg->verbose && cfg->vout;
instance->warning = cfg->warning && cfg->wout;
instance->debug = cfg->debug && cfg->dout;
instance->in = cfg->in;
instance->out = cfg->out;
instance->vout = cfg->vout;
instance->eout = cfg->eout;
instance->wout = cfg->wout;
instance->dout = cfg->dout;
INIT_LIST_HEAD(&instance->free_objs_list);
for (i = 0; i < ALISP_OBJ_PAIR_HASH_SIZE; i++) {
    for (j = 0; j <= ALISP_OBJ_LAST_SEARCH; j++)
        INIT_LIST_HEAD(&instance->used_objs_list[i][j]);
    INIT_LIST_HEAD(&instance->setobjs_list[i]);
}

init_lex(instance);

for (;;) {
    if ((p = parse_object(instance, 0)) == NULL)
        break;
    if (instance->verbose) {
        lisp_verbose(instance, "** code");
        princ_object(instance->vout, p);
        snd_output_putchar(instance->vout, \n);
    }
    p1 = eval(instance, p);
    if (p1 == NULL) {
        retval = -ENOMEM;
        break;
    }
    if (instance->verbose) {
        lisp_verbose(instance, "** result");
        princ_object(instance->vout, p1);
        snd_output_putchar(instance->vout, \n);
    }
    delete_tree(instance, p1);
    if (instance->debug) {
        lisp_debug(instance, "** objects after operation");
        print_obj_lists(instance, instance->dout);
    }
}
if (_instance)
    *_instance = instance;
else
    alsa_lisp_free(instance);

return retval;
}

void alsa_lisp_free(struct alisp_instance *instance)
{
    if (instance == NULL)
        return;
    done_lex(instance);
    free_objects(instance);
    free(instance);
}

struct alisp_cfg *alsa_lisp_default_cfg(snd_input_t *input)
{
    snd_output_t *output, *eoutput;
    struct alisp_cfg *cfg;
    int err;

    err = snd_output_stdio_attach(&output, stdout, 0);
    if (err < 0)
        return NULL;
    err = snd_output_stdio_attach(&eoutput, stderr, 0);
    if (err < 0) {
        snd_output_close(output);
        return NULL;
    }
    cfg = calloc(1, sizeof(struct alisp_cfg));
    if (cfg == NULL) {
        snd_output_close(eoutput);
        snd_output_close(output);
        return NULL;
    }
    cfg->out = output;
    cfg->wout = eoutput;
    cfg->eout = eoutput;
    cfg->dout = eoutput;
    cfg->in = input;
    return cfg;
}

void alsa_lisp_default_cfg_free(struct alisp_cfg *cfg)
{
    snd_input_close(cfg->in);
    snd_output_close(cfg->out);
    snd_output_close(cfg->wout);
    snd_output_close(cfg->eout);
    snd_output_close(cfg->dout);
    free(cfg);
}
int alsa_lisp_function(struct alisp_instance *instance, struct alisp_seq_iterator **result,
        const char *id, const char *args, ...)
{
    int err = 0;
    struct alisp_object *aargs = NULL, *obj, *res;

    if (args && *args != 'n') {
        va_list ap;
        struct alisp_object *p;
        p = NULL;
        va_start(ap, args);
        while (*args) {
            if (*args++ != '%') {
                err = -EINVAL;
                break;
            } else if (*args == '0') {
                err = -EINVAL;
                break;
            }
            obj = NULL;
            err = 0;
            switch (*args++) {
            case 's':
                obj = new_string(instance, va_arg(ap, char *));
                break;
            case 'i':
                obj = new_integer(instance, va_arg(ap, int));
                break;
            case 'l':
                obj = new_integer(instance, va_arg(ap, long));
                break;
            case 'f':
                case 'd':
                    obj = new_integer(instance, va_arg(ap, double));
                    break;
            case 'p': {
                char _ptrid[24];
                char *ptrid = _ptrid;
                while (*args && *args != '%')
                    *ptrid++ = *args++;
                *ptrid = 0;
                if (ptrid == _ptrid) {
                    ...
err = -EINVAL;
break;
}
obj = new_cons_pointer(instance, _ptrid, va_arg(ap, void *));
obj = quote_object(instance, obj);
break;
}
default:
err = -EINVAL;
break;
}
if (err < 0)
goto __args_end;
if (obj == NULL) {
err = -ENOMEM;
goto __args_end;
}
if (p == NULL) {
p = aargs = new_object(instance, ALISP_OBJ_CONS);
} else {
p->value.c.cdr = new_object(instance, ALISP_OBJ_CONS);
p = p->value.c.cdr;
}
if (p == NULL) {
err = -ENOMEM;
goto __args_end;
}
p->value.c.car = obj;
}
__args_end:
va_end(ap);
if (err < 0)
return err;
#if 0
snd_output_printf(instance->wout, ">>>\n");
princ_object(instance->wout, aargs);
snd_output_printf(instance->wout, "<<<\n");
#endif
err = -ENOENT;
if (aargs == NULL)
aargs = &alsa_lisp_nil;
if ((obj = get_object1(instance, id)) != &alsa_lisp_nil) {
res = eval_func(instance, obj, aargs);
err = 0;
} else {
struct intrinsic key, *item;
key.name = id;
if ((item = bsearch(&key, intrinsics,
    sizeof intrinsics / sizeof intrinsics[0],
    sizeof intrinsics[0], compar)) != NULL) {
    res = item->func(instance, aargs);
    err = 0;
} else if ((item = bsearch(&key, snd_intrinsics,
    sizeof snd_intrinsics / sizeof snd_intrinsics[0],
    sizeof snd_intrinsics[0], compar)) != NULL) {
    res = item->func(instance, aargs);
    err = 0;
} else {
    res = &alsa_lisp_nil;
}
if (res == NULL)
    err = -ENOMEM;
if (err == 0 && result) {
    *result = res;
} else {
    delete_tree(instance, res);
}
return 0;
}

void alsa_lisp_result_free(struct alisp_instance *instance,
    struct alisp_seq_iterator *result)
{
    delete_tree(instance, result);
}

int alsa_lisp_seq_first(struct alisp_instance *instance, const char *id,
    struct alisp_seq_iterator **seq)
{
    struct alisp_object * p1;

    p1 = get_object1(instance, id);
    if (p1 == NULL)
        return -ENOMEM;
    *seq = p1;
    return 0;
}

int alsa_lisp_seq_next(struct alisp_seq_iterator **seq)
{
    struct alisp_object * p1 = *seq;
p1 = cdr(p1);
if (p1 == &alsa_lisp_nil)
    return -ENOENT;
*seq = p1;
return 0;
}

int alsa_lisp_seq_count(struct alisp_seq_iterator *seq)
{
    int count = 0;

    while (seq != &alsa_lisp_nil) {
        count++;
        seq = cdr(seq);
    }
    return count;
}

int alsa_lisp_seq_integer(struct alisp_seq_iterator *seq, long *val)
{
    if (alisp_compare_type(seq, ALISP_OBJ_CONS))
        seq = seq->value.c.cdr;
    if (alisp_compare_type(seq, ALISP_OBJ_INTEGER))
        *val = seq->value.i;
    else
        return -EINVAL;
    return 0;
}

int alsa_lisp_seq_pointer(struct alisp_seq_iterator *seq, const char *ptr_id, void **ptr)
{
    struct alisp_object * p2;

    if (alisp_compare_type(seq, ALISP_OBJ_CONS) &&
        alisp_compare_type(seq->value.c.car, ALISP_OBJ_CONS))
        seq = seq->value.c.car;
    if (alisp_compare_type(seq, ALISP_OBJ_CONS)) {
        p2 = seq->value.c.car;
        if (lalisp_compare_type(p2, ALISP_OBJ_STRING))
            return -EINVAL;
        if (strcmp(p2->value.s, ptr_id))
            return -EINVAL;
        p2 = seq->value.c.cdr;
        if (!alisp_compare_type(p2, ALISP_OBJ_POINTER))
            return -EINVAL;
        *ptr = (void *)seq->value.ptr;
    } else
        return -EINVAL;
return 0;
}

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1.117 spring-aspects 5.0.5.RELEASE

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* /opt/ws_local/PERMITS_SQL/1071966301_1594967582.14/0/spring-aspects-5-0-5-release-sources-1-jar/org/springframework/cache/aspectj/JCacheCachingConfiguration.java

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1.118 spring-cloud-config-client 2.0.0.rc2

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1.120 spring-boot-autoconfigure
2.0.1.RELEASE

1.121 kerberos 1.15.1 37.el7_7.2
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======================================================================

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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
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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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
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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
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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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Anton Povarov <anton.povarov@gmail.com>
Brian Goff <cpuguy83@gmail.com>
Clayton Coleman <ccooleman@redhat.com>
Denis Smirnov <denis.smirnov.91@gmail.com>
DongYun Kang <ceram1000@gmail.com>
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procfs provides functions to retrieve system, kernel and process
metrics from the pseudo-filesystem proc.

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Aaron Lehmann <aaron.lehmann@docker.com> (github: aaronlehmann)
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goproperties - properties file decoder for Go

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1.126 hwloc 1.11.8 4.el7

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1.127 Spatial4j 0.7

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* /opt/ws_local/PERMITS_SQL/1018362592_1591321363.2/0/spatial4j-0-7-sources-jar/org/locationtech/spatial4j/io/WKTReader.java
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  jar/org/locationtech/spatial4j/SpatialPredicate.java
* /opt/ws_local/PERMITS_SQL/1018362592_1591321363.2/0/spatial4j-0-7-sources-
  jar/org/locationtech/spatial4j/exception/UnsupportedSpatialPredicate.java
* /opt/ws_local/PERMITS_SQL/1018362592_1591321363.2/0/spatial4j-0-7-sources-
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  jar/org/locationtech/spatial4j/io/jts/JtsPolyshapeWriter.java
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  jar/org/locationtech/spatial4j/shape/ShapeFactory.java
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  jar/org/locationtech/spatial4j/shape/SpatialRelation.java
* /opt/ws_local/PERMITS_SQL/1018362592_1591321363.2/0/spatial4j-0-7-sources-
  jar/org/locationtech/spatial4j/io/package-info.java
* /opt/ws_local/PERMITS_SQL/1018362592_1591321363.2/0/spatial4j-0-7-sources-
  jar/org/locationtech/spatial4j/shape/impl/GeoCircle.java
* /opt/ws_local/PERMITS_SQL/1018362592_1591321363.2/0/spatial4j-0-7-sources-
  jar/org/locationtech/spatial4j/shape/jts/JtsShapeFactory.java
* /opt/ws_local/PERMITS_SQL/1018362592_1591321363.2/0/spatial4j-0-7-sources-
  jar/org/locationtech/spatial4j/shape/jts/JtsGeometry.java
* /opt/ws_local/PERMITS_SQL/1018362592_1591321363.2/0/spatial4j-0-7-sources-
  jar/org/locationtech/spatial4j/Shape.java
* /opt/ws_local/PERMITS_SQL/1018362592_1591321363.2/0/spatial4j-0-7-sources-
  jar/org/locationtech/spatial4j/distance/CartesianDistCalc.java
* /opt/ws_local/PERMITS_SQL/1018362592_1591321363.2/0/spatial4j-0-7-sources-
  jar/org/locationtech/spatial4j/context/package-info.java
* /opt/ws_local/PERMITS_SQL/1018362592_1591321363.2/0/spatial4j-0-7-sources-
null
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* /opt/ws_local/PERMITS_SQL/1018362592_1591321363.2/0/spatial4j-0-7-sources-jar/org/locationtech/spatial4j/shape/BaseShape.java
* /opt/ws_local/PERMITS_SQL/1018362592_1591321363.2/0/spatial4j-0-7-sources-jar/org/locationtech/spatial4j/io/ShapeIO.java
* /opt/ws_local/PERMITS_SQL/1018362592_1591321363.2/0/spatial4j-0-7-sources-jar/org/locationtech/spatial4j/io/GeoJSONWriter.java
* /opt/ws_local/PERMITS_SQL/1018362592_1591321363.2/0/spatial4j-0-7-sources-jar/org/locationtech/spatial4j/io/ShapeWriter.java
* /opt/ws_local/PERMITS_SQL/1018362592_1591321363.2/0/spatial4j-0-7-sources-jar/org/locationtech/spatial4j/io/SupportedFormats.java
* /opt/ws_local/PERMITS_SQL/1018362592_1591321363.2/0/spatial4j-0-7-sources-jar/org/locationtech/spatial4j/io/jts/JtsGeoJSONWriter.java
* /opt/ws_local/PERMITS_SQL/1018362592_1591321363.2/0/spatial4j-0-7-sources-jar/org/locationtech/spatial4j/io/jts/JtsWKTWriter.java
* /opt/ws_local/PERMITS_SQL/1018362592_1591321363.2/0/spatial4j-0-7-sources-jar/org/locationtech/spatial4j/io/ShapeReader.java
* /opt/ws_local/PERMITS_SQL/1018362592_1591321363.2/0/spatial4j-0-7-sources-jar/org/locationtech/spatial4j/io/WKTWriter.java
* /opt/ws_local/PERMITS_SQL/1018362592_1591321363.2/0/spatial4j-0-7-sources-jar/org/locationtech/spatial4j/io/jts/JtsWKTWriter.java

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package org.locationtech.spatial4j.io.jackson;

import com.fasterxml.jackson.core.Version;
import com.fasterxml.jackson.core.Versioned;
import com.fasterxml.jackson.core.util.VersionUtil;

/**
 * Automatically generated from PackageVersion.java.in during
 * packageVersion-generate execution of maven-replacer-plugin in
 * pom.xml.
 */

public final class PackageVersion implements Versioned {
    public final static Version VERSION = VersionUtil.parseVersion(
            "@projectversion@", "@projectgroupid@", "@projectartifactid@");

    @Override
public Version version() {
    return VERSION;
}

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* /opt/ws_local/PERMITS_SQL/1018362592_1591321363.2/0/spatial4j-0-7-sources-jar/org/locationtech/spatial4j/context/SpatialContextFactory.java
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Simon McVittie
Simon van der Linden
Simn Pena
Stefan Kost
Steve Fricinaux
Theppitak Karoonboonyanan
Tim Horton
Tobias Mueller
Tomeu Vizoso
Tommi Komulainen
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1.148 python-dmidecode 3.12.2 4.el7

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DMIDDecode Python Extension Module shadows the DMIDecode utility

DMIDecode Python Extension Module

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From 74331750f118690ca3c375e52b10272b992320e7 Mon Sep 17 00:00:00 2001
From: Andrea Claudi <aclaudi@redhat.com>
Date: Mon, 29 Apr 2019 20:09:13 +0200
Subject: [PATCH] ip{6, }tunnel: Avoid copying user-supplied interface name around

Bugzilla: https://bugzilla.redhat.com/show_bug.cgi?id=1465646
Upstream Status: iproute2.git commit 26111ab1dba82
commit 26111ab1dba820421cacf283ac097a79b95023a2
Author: Phil Sutter <phil@nw1.cc>
Date: Mon Oct 2 13:46:35 2017 +0200

ip{6, }tunnel: Avoid copying user-supplied interface name around

In both files' parse_args() functions as well as in iptunnel's do_prl() and do_6rd() functions, a user-supplied 'dev' parameter is uselessly copied into a temporary buffer before passing it to ll_name_to_index() or copying into a struct ifreq. Avoid this by just caching the argv
pointer value until the later lookup/strcpy.

Signed-off-by: Phil Sutter <phil@nwl.cc>
---
ip/ip6tunnel.c | 6 +++---
ip/iptunnel.c | 22 +++++++++-------------
2 files changed, 12 insertions(+), 16 deletions(-)
const char *medium = NULL;
int isatap = 0;

memset(p, 0, sizeof(*p));

@@ -139,7 +139,7 @@ static int parse_args(int argc, char **argv, int cmd, struct ip_tunnel_parm *p)
p->iph.saddr = htonl(INADDR_ANY);
} else if (strcmp(*argv, "dev") == 0) {
    NEXT_ARG();
-    strncpy(medium, *argv, IFNAMSIZ - 1);
+    medium = *argv;
} else if (strcmp(*argv, "ttl") == 0 ||
    strcmp(*argv, "hoplimit") == 0 ||
    strcmp(*argv, "hlim") == 0) {
@@ -216,7 +216,7 @@ static int parse_args(int argc, char **argv, int cmd, struct ip_tunnel_parm *p)
}

-if (medium[0]) {
+if (medium) {
    p->link = ll_name_to_index(medium);
    if (p->link == 0) {
        fprintf(stderr, "Cannot find device \"%s\"\n", medium);
@@ -465,9 +465,8 @@ static int do_prl(int argc, char **argv)
    }
    struct ip_tunnel_prl p = { };;
    int count = 0;
-int devname = 0;
 int cmd = 0;
-    char medium[IFNAMSIZ] = { };
+const char *medium = NULL;

    while (argc > 0) {
        if (strcmp(*argv, "prl-default") == 0) {
@@ -488,8 +487,7 @@ static int do_prl(int argc, char **argv)
            count++;
        } else if (strcmp(*argv, "dev") == 0) {
            NEXT_ARG();
-            strncpy(medium, *argv, IFNAMSIZ-1);
-            devname++;
-            medium = *argv;
+            if (devname == 0) {
            fprintf(stderr,
            "Invalid PRL parameter \"%s\"\n", *argv);
@@ -502,7 +500,7 @@ static int do_prl(int argc, char **argv)
        };
        argc--; argv++;
    }
-}
if (!medium) {
    fprintf(stderr, "Must specify device\n");
    exit(-1);
}
@@ -513,9 +511,8 @@ static int do_prl(int argc, char **argv)
static int do_6rd(int argc, char **argv)
{
    struct ip_tunnel_6rd ip6rd = {}
    -int devname = 0;
    int cmd = 0;
    -char medium[IFNAMSIZ] = {};
    +const char *medium = NULL;
    inet_prefix prefix;

    while (argc > 0) {
        @@ -537,8 +534,7 @@ static int do_6rd(int argc, char **argv)
            cmd = SIOCDEL6RD;
        } else if (strcmp(*argv, "dev") == 0) {
            NEXT_ARG();
            - strncpy(medium, *argv, IFNAMSIZ-1);
            -devname++;
            +medium = *argv;
        } else {
            fprintf(stderr,
                "Invalid 6RD parameter \"%s\"", *argv);
        }
        -- argc--; argv++;
    }
    -if (devname == 0) {
        +if (!medium) {
            fprintf(stderr, "Must specify device\n");
            exit(-1);
        }
    --
    2.21.0

1.156 sudo 1.8.23-4.el7_7.2.0atomix1

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Barron, Danny
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The following people have worked to translate sudo into other languages as part of the Translation Project, see https://translationproject.org for more details.

Albuquerque, Pedro
The following people designed the artwork used on the sudo website:

   Shield logo: Badger, Trent
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1.162 cairomm 1.12.0 1.el7

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Go support for Protocol Buffers - Google's data interchange format

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https://github.com/golang/protobuf

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Gocheck - A rich testing framework for Go

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1.171 kotlin-stdlib 1.2.31

1.172 opensaml-xmlsec-api 3.3.0

1.173 antisamy 1.5.3

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// Generated by Modello 1.8.1,
// any modifications will be overwritten.

package org.apache.maven.model;

/**
 * Description of a person who has contributed to the project, but
 * who does not have
 * commit privileges. Usually, these contributions come in
 * the form of patches submitted.
 * @version $Revision$ $Date$
 */
@SuppressWarnings( "all" )
public class Contributor
    implements java.io.Serializable, java.lang.Cloneable, org.apache.maven.model.InputLocationTracker {
private String organization;

/**
 * The URL of the organization.
 */
private String organizationUrl;

/**
 * Field roles.
 */
private java.util.List<String> roles;

/**
 * The timezone the contributor is in. Typically,
 * this is a number in the range
 * <a href="http://en.wikipedia.org/wiki/UTC%E2%88%9212:00">-12</a>
 * to <a href="http://en.wikipedia.org/wiki/UTC%2B14:00">+14</a>
 * or a valid time zone id like
 * "America/Montreal" (UTC-05:00) or "Europe/Paris"
 * (UTC+01:00).
 */
private String timezone;

/**
 * Field properties.
 */
private java.util.Properties properties;

/**
 * Field locations.
 */
private java.util.Map<Object, InputLocation> locations;

//--------/
//- Methods -/
//--------/

/**
 * Method addProperty.
 */
public void addProperty( String key, String value )
{
    getProperties().put( key, value );
} //-- void addProperty( String, String )

/**
 * Method addRole.
 *
 * @param string
 */
public void addRole( String string )
{
    getRoles().add( string );
} //-- void addRole( String )

/**
 * Method clone.
 *
 * @return Contributor
 */
public Contributor clone()
{
    try
    {
        Contributor copy = (Contributor) super.clone();

        if ( this.roles != null )
        {
            copy.roles = new java.util.ArrayList<String>();
            copy.roles.addAll( this.roles );
        }

        if ( this.properties != null )
        {
            copy.properties = (java.util.Properties) this.properties.clone();
        }

        if ( copy.locations != null )
        {
            copy.locations = new java.util.LinkedHashMap( copy.locations );
        }

        return copy;
    }
    catch ( java.lang.Exception ex )
{ throw (java.lang.RuntimeException) new java.lang.UnsupportedOperationException( getClass().getName() + " does not support clone() ").initCause( ex );
}
} //-- Contributor clone()

/**
 * Get the email address of the contributor.
 *
 * @return String
 */
public String getEmail()
{
    return this.email;
} //-- String getEmail()

/**
 * @param key
 * @return InputLocation
 */
public InputLocation getLocation( Object key )
{
    return ( locations != null ) ? locations.get( key ) : null;
} //-- InputLocation getLocation( Object )

/**
 * Get the full name of the contributor.
 *
 * @return String
 */
public String getName()
{
    return this.name;
} //-- String getName()

/**
 * Get the organization to which the contributor belongs.
 *
 * @return String
 */
public String getOrganization()
{
    return this.organization;
} //-- String getOrganization()
// Get the URL of the organization.

// @return String

public String getOrganizationUrl()
{
    return this.organizationUrl;
} //-- String getOrganizationUrl()

/**
 * Method getProperties.
 *
 * @return Properties
 */

public java.util.Properties getProperties()
{
    if ( this.properties == null )
    {
        this.properties = new java.util.Properties();
    }

    return this.properties;
} //-- java.util.Properties getProperties()

/**
 * Method getRoles.
 *
 * @return List
 */

public java.util.List<String> getRoles()
{
    if ( this.roles == null )
    {
        this.roles = new java.util.ArrayList<String>();
    }

    return this.roles;
} //-- java.util.List<String> getRoles()

/**
 * Get the timezone the contributor is in. Typically, this is a number in the range
 *               <a href="http://en.wikipedia.org/wiki/UTC%E2%88%9212:00">-12</a> to <a href="http://en.wikipedia.org/wiki/UTC%2B14:00">+14</a> or a valid time zone id like
 * "America/Montreal" (UTC-05:00) or "Europe/Paris"
/**
 * Get the timezone of the contributor.
 * @return String
 */
public String getTimezone()
{
    return this.timezone;
} //-- String getTimezone()

/**
 * Get the URL for the homepage of the contributor.
 * @return String
 */
public String getUrl()
{
    return this.url;
} //-- String getUrl()

/**
 * Method removeRole.
 * @param string
 */
public void removeRole( String string )
{
    getRoles().remove( string );
} //-- void removeRole( String )

/**
 * Set the email address of the contributor.
 * @param email
 */
public void setEmail( String email )
{
    this.email = email;
} //-- void setEmail( String )

/**
 * @param key
 * @param location
 */
public void setLocation( Object key, InputLocation location )
{
    if ( location != null )

{
    if ( this.locations == null )
    {
        this.locations = new java.util.LinkedHashMap<Object, InputLocation>();
    }
    this.locations.put( key, location );
}
}  //-- void setLocation( Object, InputLocation )

/**
 * Set the full name of the contributor.
 *
 * @param name
 */
public void setName( String name )
{
    this.name = name;
}  //-- void setName( String )

/**
 * Set the organization to which the contributor belongs.
 *
 * @param organization
 */
public void setOrganization( String organization )
{
    this.organization = organization;
}  //-- void setOrganization( String )

/**
 * Set the URL of the organization.
 *
 * @param organizationUrl
 */
public void setOrganizationUrl( String organizationUrl )
{
    this.organizationUrl = organizationUrl;
}  //-- void setOrganizationUrl( String )

/**
 * Set properties about the contributor, such as an instant
 * messenger handle.
 *
 * @param properties
 */
public void setProperties( java.util.Properties properties )
{
    this.properties = properties;
}
/**
 * Set the roles the contributor plays in the project. Each
 * role is described by a
 * <code>role</code> element, the body of which is
 * a role name. This can also be used to
 * describe the contribution.
 *
 * @param roles
 */
public void setRoles( java.util.List<String> roles )
{
    this.roles = roles;
} //-- void setRoles( java.util.List )

/**
 * Set the timezone the contributor is in. Typically, this is a
 * number in the range
 * <a href="http://en.wikipedia.org/wiki/UTC%E2%88%9212:00">-12</a>
 * to <a href="http://en.wikipedia.org/wiki/UTC%2B14:00">+14</a>
 * or a valid time zone id like
 * "America/Montreal" (UTC-05:00) or "Europe/Paris"
 * (UTC+01:00).
 *
 * @param timezone
 */
public void setTimezone( String timezone )
{
    this.timezone = timezone;
} //-- void setTimezone( String )

/**
 * Set the URL for the homepage of the contributor.
 *
 * @param url
 */
public void setUrl( String url )
{
    this.url = url;
} //-- void setUrl( String )

Maven Model
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package org.apache.maven.model;

/**
 * Describes the licenses for this project. This is used to
 * generate the license
 * page of the project's web site, as well as being taken
 * into consideration in other reporting
 * and validation. The licenses listed for the project are
 * that of the project itself, and not
 * of dependencies.
 *
 * @version $Revision$ $Date$
 * @SuppressWarnings( "all" )
 */
@ SuppressWarnings( "all" )
public class License
   implements java.io.Serializable, java.lang.Cloneable, org.apache.maven.model.InputLocationTracker
{

   //--------------------/
   //- Class/Member Variables -/
   //--------------------/

   /**
    * The full legal name of the license.
    */
   private String name;

   /**
    * The official url for the license text.
    */
   private String url;

   /**
    */
   *
   * The primary method by which this project may be
   * distributed.
   *
   * <dl>
   * <dt>repo</dt>
   * <dd>may be downloaded from the Maven
* repository */
*               <dt>manual</dt>
*               <dd>user must manually download and install
* the dependency.</dd>
*               
* 
*/
private String distribution;

/**
* Addendum information pertaining to this license.
*/
private String comments;

/**
* Field locations.
*/
private java.util.Map<Object, InputLocation> locations;

//--------
//- Methods -/
//--------

/**
* Method clone.
* *
* @return License
*/
public License clone()
{
    try
    {
        License copy = (License) super.clone();

        if ( copy.locations != null )
        {
            copy.locations = new java.util.LinkedHashMap( copy.locations );
        }

        return copy;
    }
    catch ( java.lang.Exception ex )
    {
        throw (java.lang.RuntimeException) new java.lang.UnsupportedOperationException( getClass().getName()
                + " does not support clone()" ).initCause( ex );
    }
}
public String getComments()
{
    return this.comments;
} //-- String getComments()

/**
 * Get the primary method by which this project may be distributed.
 * <dl>
 *   <dt>repo</dt>
 *   <dd>may be downloaded from the Maven repository</dd>
 *   <dt>manual</dt>
 *   <dd>user must manually download and install the dependency.</dd>
 * </dl>
 *
 * @return String
 */
public String getDistribution()
{
    return this.distribution;
} //-- String getDistribution()

/**
 * @param key
 * @return InputLocation
 */
public InputLocation getLocation( Object key )
{
    return ( locations != null ) ? locations.get( key ) : null;
} //-- InputLocation getLocation( Object )

/**
 * Get the full legal name of the license.
 *
 * @return String
 */
public String getName()
```java
{  
    return this.name;
} //-- String getName()

/**
 * Get the official url for the license text.
 *
 * @return String
 */
public String getUrl()
{
    return this.url;
} //-- String getUrl()

/**
 * Set addendum information pertaining to this license.
 *
 * @param comments
 */
public void setComments( String comments )
{
    this.comments = comments;
} //-- void setComments( String )

/**
 * Set the primary method by which this project may be
 * distributed.
 *     <dl>
 *       <dt>repo</dt>
 *       <dd>may be downloaded from the Maven
 * repository</dd>
 *     </dl>
 *     <dt>manual</dt>
 *     <dd>user must manually download and install
 * the dependency.</dd>
 *   </dl>
 * @param distribution
 */
public void setDistribution( String distribution )
{
    this.distribution = distribution;
} //-- void setDistribution( String )

/**
 * @param key
 * @param location
```
public void setLocation( Object key, InputLocation location )
{
    if ( location != null )
    {
        if ( this.locations == null )
        {
            this.locations = new java.util.LinkedHashMap<Object, InputLocation>();
        }
        this.locations.put( key, location );
    }
} //-- void setLocation( Object, InputLocation )

/**
 * Set the full legal name of the license.
 *
 * @param name
 */
public void setName( String name )
{
    this.name = name;
} //-- void setName( String )

/**
 * Set the official url for the license text.
 *
 * @param url
 */
public void setUrl( String url )
{
    this.url = url;
} //-- void setUrl( String )

1.186 libxslt 1.1.28-5.el7.0atomix1

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async
collection
cryptocrypto
mimepackage_config
package_resolver
plugin
shelf_static
source_map_stack_trace
stream_channel
typed_data
utf
vm_service_client

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boolean_selector
front_end
kernel
meta
shelf_packages_handler
web_socket_channel

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James Graham - jg307@cam.ac.uk
Anne van Kesteren - annevankesteren@gmail.com
Lachlan Hunt - lachlan.hunt@lachy.id.au
Matt McDonald - kanashii@kanashii.ca
Sam Ruby - rubys@intertwingly.net
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          Darko Laus       (darko.laus@imgtec.com)
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This file contains the following sections:

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Other documentation files in the distribution are:

User documentation:
usage.txt Usage instructions for cjpeg, djpeg, jpegtran, rdjpgcom, and wrjpgcom.
*.1 Unix-style man pages for programs (same info as usage.txt).
wizard.txt Advanced usage instructions for JPEG wizards only.
change.log Version-to-version change highlights.
Programmer and internal documentation:
libjpeg.txt How to use the JPEG library in your own programs.
example.c Sample code for calling the JPEG library.
structure.txt Overview of the JPEG library's internal structure.
coderules.txt Coding style rules --- please read if you contribute code.

Please read at least usage.txt. Some 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 encoding, decoding, and transcoding. JPEG (pronounced "jay-peg") is a standardized compression method for full-color and grayscale images. JPEG's strong suit is compressing photographic images or other types of images that have smooth color and brightness transitions between neighboring pixels. Images with sharp lines or other abrupt features may not compress well with JPEG, and a higher JPEG quality may have to be used to avoid visible compression artifacts with such images.

JPEG is lossy, meaning that the output pixels are not necessarily identical to the input pixels. However, on photographic content and other "smooth" images, very good compression ratios can be obtained with no visible compression artifacts, and extremely high compression ratios are possible if you are willing to sacrifice image quality (by reducing the "quality" setting in the compressor.)

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. 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 "cjpeg" and "djpeg", 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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The IJG distribution formerly included code to read and write GIF files. To avoid entanglement with the Unisys LZW patent (now expired), 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 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 PDF file containing a revised version of Wallace's article is
available at http://www.ijg.org/files/Wallace.JPEG.pdf. 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 does not specify all details of an interchangeable file format. For the omitted details we follow the "JFIF" conventions, revision 1.02. JFIF 1.02 has been adopted as an Ecma International Technical Report and thus received a formal publication status. It is available as a free download in PDF format from http://www.ecma-international.org/publications/techreports/E-TR-098.htm. A PostScript version of the JFIF document is available at http://www.ijg.org/files/jfif.ps.gz. There is also a plain text version at http://www.ijg.org/files/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 http://www.ijg.org/files/. 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.

ARCHIVE LOCATIONS
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The "official" archive site for this software is www.ijg.org.
The most recent released version can always be found there in
directory "files".

The JPEG FAQ (Frequently Asked Questions) article is a source of some
general information about JPEG.
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
If you don't have Web or FTP access, send e-mail to mail-server@rtfm.mit.edu
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FILE FORMAT WARS
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The ISO/IEC JTC1/SC29/WG1 standards committee (also known as JPEG, together
with ITU-T SG16) currently promotes different formats containing the name
"JPEG" which are incompatible with original DCT-based JPEG. IJG therefore does
not support these formats (see REFERENCES). Indeed, one of the original
reasons for developing this free software was to help force convergence on
common, interoperable format standards for JPEG files.
Don't use an incompatible file format!
(In any case, our decoder will remain capable of reading existing JPEG
image files indefinitely.)

TO DO
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Please send bug reports, offers of help, etc. to jpeg-info@jpegclub.org.

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Arjan van de Ven <arjan@linux.intel.com>
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zlib.h -- interface of the 'zlib' general purpose compression library
version 1.2.4, March 14th, 2010

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=begin comment

{{#appName}}

{{/{appName}}}

{{#appDescription}}

{{/{appDescription}}}

{{#version}}OpenAPI spec version: {{version}}{{/version}}

{{#infoEmail}}Contact: {{infoEmail}}{{/infoEmail}}

Generated by: https://github.com/swagger-api/swagger-codegen.git

=end comment

=cut

# Jackson JSON processor

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It was originally written by Tatu Saloranta (tatu.salaranta@iki.fi), and has
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It is currently developed by a community of developers, as well as supported
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1.196 maven-resolver-spi 1.0.3
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1.199 testng 6.14.2

1.200 gpm 1.20.7 6.el7

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$OpenLDAP: pkg/ldap/libraries/liblutil/base64.c,v 1.15 2006/01/03 22:12:11 kurt Exp $ /
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The primary ANTLR guy:

Terence Parr
parrt@cs.usfca.edu
parrt@antlr.org

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Kuromoji Japanese Morphological Analyzer - Apache Lucene Integration
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1.208 spring-messaging 5.0.5.RELEASE
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 */
/**
 * Set the max pool size of the ThreadPoolExecutor.
 */
NOTE: When an unbounded
[@link #queueCapacity(int) queueCapacity] is configured (the default), the
max pool size is effectively ignored. See the "Unbounded queues" strategy
in [@link java.util.concurrent.ThreadPoolExecutor ThreadPoolExecutor] for
more details.
By default this is set to [@code Integer.MAX_VALUE].
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to attach them to the start of each source file to most effectively
state the exclusion of warranty; and each file should have at least
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@example
@var{one line to give the program's name and a brief idea of what it does.}
Copyright (C) @var{year} @var{name of author}

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it under the terms of the GNU General Public License as published by
the Free Software Foundation, either version 3 of the License, or (at
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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}
This program comes with ABSOLUTELY NO WARRANTY; for details type @samp{show w}.
This is free software, and you are welcome to redistribute it
under certain conditions; type @samp{show c} for details.
@end example

The hypothetical commands @samp{show w} and @samp{show c} should show
the appropriate parts of the General Public License. Of course, your
program's commands might be different; for a GUI interface, you would
use an ``about box''.

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1.220 expat 2.1.0-10.el7_3.0atomiX1

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1.221 bzip2 1.0.7

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

HISTORY -

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

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

Some other contributors:

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

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

Much of the HP specific code and a number of good suggestions for improving the generic code are due to Walter Underwood. Robert Brazile (brazil@diamond.bbn.com) originally supplied the ULTRIX code. Al Dosser (dosser@src.dec.com) and Regis Cridlig (Regis.Cridlig@cl.cam.ac.uk) subsequently provided updates and information on variation between ULTRIX systems. Parag Patel (parag@netcom.com) supplied the A/UX code. Jesper Peterson(jep@mtiame.mtia.oz.au), Michel Schinz, and Martin Tauchmann (martintauchmann@bigfoot.com) supplied the Amiga port. Thomas Funke (thf@zelator.in-berlin.de(?)) and Brian D.Carlstrom (bdc@clark.lcs.mit.edu) supplied the NeXT ports.
Douglas Steel (doug@wg.icl.co.uk) provided ICL DRS6000 code.
Bill Janssen (janssen@parc.xerox.com) supplied the SunOS dynamic loader
specific code. Manuel Serrano (serrano@cornas.inria.fr) supplied linux and Sony News specific code. Al Dosser provided Alpha/OSF/1 code. He and Dave Detlefs(detlefs@src.dec.com) also provided several generic bug fixes.
Alistair G. Crooks(aglec@uts.amdahl.com) supplied the NetBSD and 386BSD ports.
Jeffrey Hsu (hsu@soda.berkeley.edu) provided the FreeBSD port.
Brent Benson (brent@jade.ssd.csd.harris.com) ported the collector to a Motorola 88K processor running CX/UX (Harris NightHawk).
Ari Huttunen (Ari.Huttunen@hut.fi) generalized the OS/2 port to nonIBM development environments (a nontrivial task).
Patrick Beard (beard@cs.ucdavis.edu) provided the initial MacOS port.
David Chase, then at Olivetti Research, suggested several improvements.
Scott Schwartz (schwartz@groucho.cse.psu.edu) supplied some of the code to save and print call stacks for leak detection on a SPARC.
Jesse Hull and John Ellis supplied the C++ interface code.
Zhong Shao performed much of the experimentation that led to the current typed allocation facility. (His dynamic type inference code hasn't made it into the released version of the collector, yet.)
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Andrei Alexandrescu (andrewalex - at - hotmail.com) (See Boost list message of August 12, 2004 11:06:58 AM EST)
Andrew Lumsdaine ()
Anthony Williams (anthony -at- justsofwareolutions.co.uk)
Beman Dawes (bdawes@acm.org)
Brad King (brad.king -at- kitware.com) (See Boost list message of Wed, 21 Jul 2004 11:15:46 -0400)
Brian Osman (osman -at- vvisions.com) (See CVS log)
Bruce Barr (schmoost -at- yahoo.com) (See Boost list of Mon, 16 Aug 2004 15:06:43 -0500)
Bruno da Silva de Oliveira (bruno - at - esss.com.br)
Christain Engstrom (christian.engstrom -at- glindra.org) (See Boost list message of Mon, 30 Aug 2004 14:31:49 +0200)
Cromwell D Enage (sponage -at- yahoo.com) (See Boost list message of August 12, 2004 11:49:13 AM EST)
Dan Gohman (djg -at- cray.com) (See Boost list message of Sat, 21 Aug 2004 10:54:59 +0100)
Dan Nuffer (dan -at- nuffer.name)
Daniel Frey (d.frey -at- gmx.de, daniel.frey -at- aixigo.de)
Daniel Nuffer (dan -at- nuffer.name)
Darin Adler (darin -at- bentspoon.com) (Email to Andreas Huber, see change log)
Daryle Walker (darylew - at - hotmail.com)
Dave Abrahams (dave@boost-consulting.com)
Dave Moore (dmoore -at- viefinancial.com) (See Boost list message of 18 Dec 2003 15:35:50 -0500)
David Abrahams (dave@boost-consulting.com)
Dietmar Kuehl (dietmar_kuehl -at- yahoo.com) (Email to Andreas Huber, see change log)
Douglas Gregor (gregod -at- cs.rpi.edu, dgregor -at- cs.indiana.edu, doug.gregor -at- gmail.com)
Dr John Maddock (john - at - johnmaddock.co.uk)
The header `<boost/mp11/mpl.hpp>`, when included, defines the necessary support infrastructure for `mp_list` and `std::tuple` to be valid link:../../../../libs/mpl[MPL] sequences.
NOTE: `mpl.hpp` is not included by `<boost/mp11.hpp>`.

1.223 guice 4.2.2

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Gocheck - A rich testing framework for Go

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1.226 python-pytoml 0.1.14 1.git7dea353.el7

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1.227 spring-boot-admin-server 2.0.2

1.228 snake-yaml 1.17

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1.230 parent-join-client 6.5.4

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 Network Working Group  H. Krawczyk
 Request for Comments: 2104  IBM
 Category: Informational  M. Bellare
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    Licenses["lgpl"] = License{
        Name:            "GNU Lesser General Public License",
        PossibleMatches: []string{"lgpl", "lesser gpl", "gnu lgpl"},
        Header: `This program is free software: you can redistribute it and/or modify it under the terms of the GNU Lesser General Public License as published by the Free Software Foundation, either version 3 of the License, or (at your option) any later version.

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package cmd

func initBsdClause2() {
    License["freebsd"] = License{
        Name: "Simplified BSD License",
        PossibleMatches: []string{"freebsd", "simpbsd", "simple bsd", "2-clause bsd",
                                    "2 clause bsd", "simplified bsd license"},
        Header: `All rights reserved.
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/

// Package legal provides in-process storage for compiled-in licenses.
package legal

var licenses []string

// RegisterLicense stores the license text.
// It doesn't check whether the text was already present.
func RegisterLicense(text string) {
    licenses = append(licenses, text)
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package cmd

import (
    "strings"
    "time"

    "github.com/spf13/viper"
)

// Licenses contains all possible licenses a user can choose from.
var Licenses = make(map[string]License)

// License represents a software license agreement, containing the Name of the license, its possible matches (on the command line as given to cobra), the header to be used with each file on the file's creating, and the text of the license
type License struct {
    Name            string   // The type of license in use
    PossibleMatches []string // Similar names to guess
    Text            string   // License text data
    Header          string   // License header for source files
}

func init() {
    // Allows a user to not use a license.
    Licenses["none"] = License{"None", []string{"none", "false"}, "", ""}

    initApache2()
    initMit()
    initBsdClause3()
    initBsdClause2()
    initGpl2()
    initGpl3()
    initLgpl()
    initAgpl()
}

// getLicense returns license specified by user in flag or in config.
// If user didn't specify the license, it returns Apache License 2.0.
//
// TODO: Inspect project for existing license
func getLicense() License {
    // If explicitly flagged, use that.
    if userLicense != "" {
        return findLicense(userLicense)
    }
    // If user wants to have custom license, use that.
    if viper.IsSet("license.header") || viper.IsSet("license.text") {
        return License{Header: viper.GetString("license.header"),
                    Text: viper.GetString("license.text")}
    }
    // If user wants to have built-in license, use that.
    if viper.IsSet("license") {
        return findLicense(viper.GetString("license"))
    }
    // If user didn't set any license, use Apache 2.0 by default.
    return Licenses["apache"]
}

func copyrightLine() string {
    author := viper.GetString("author")
year := viper.GetString("year") // For tests.
if year == "" {
    year = time.Now().Format("2006")
}

return "Copyright " + year + " " + author
}

// findLicense looks for License object of built-in licenses.
// If it didn't find license, then the app will be terminated and
// error will be printed.
func findLicense(name string) License {
    found := matchLicense(name)
    if found == "" {
        er("unknown license: " + name)
    }
    return Licenses[found]
}

// matchLicense compares the given a license name
// to PossibleMatches of all built-in licenses.
// It returns blank string, if name is blank string or it didn't find
// then appropriate match to name.
func matchLicense(name string) string {
    if name == "" {
        return ""
    }
    for key, lic := range Licenses {
        for _, match := range lic.PossibleMatches {
            if strings.EqualFold(name, match) {
                return key
            }
        }
    }
    return ""
}

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import (
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)

func TestRegisterLicense(t *testing.T) {
    initial := len(licenses)
    RegisterLicense("dummy")
    if initial+1 != len(licenses) {
        t.Fatal("didn't add a license")
    }
}

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mgo - MongoDB driver for Go

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close cmd

func initGpl3() {
    Licenses["gpl3"] = License{
        Name: "GNU General Public License 3.0",
        PossibleMatches: []string{"gpl3", "gplv3", "gpl", "gnu gpl3", "gnu gpl"},
        Header: `This program is free software: you can redistribute it and/or modify
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func initBsdClause3() {
    Licenses["bsd"] = License{
        Name:            "NewBSD",
        PossibleMatches: []string{"bsd", "newbsd", "3 clause bsd", "3-clause bsd"},
        Header: `All rights reserved.
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    Licenses["gpl2"] = License{
        Name: "GNU General Public License 2.0",
        PossibleMatches: []string{"gpl2", "gnu gpl2", "gplv2"},
        Header: `This program is free software; you can redistribute it and/or
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tomb - support for clean goroutine termination in Go.

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package cmd

func initApache2() {
    Licenses["apache"] = License{
        Name: "Apache 2.0",
        PossibleMatches: []string{"apache", "apache20", "apache 2.0", "apache2.0", "apache-2.0"},
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package cmd

func initAgpl() {
    Licenses["agpl"] = License{
        Name:            "GNU Affero General Public License",
        PossibleMatches: []string{"agpl", "affero gpl", "gnu agpl"},
        Header: `
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package cmd

func initMit() {
    Licenses["mit"] = License{
        Name: "MIT License",
        PossibleMatches: []string{"mit"},
        Header: "Permission is hereby granted, free of charge, to any person obtaining a copy of this software and associated documentation files (the "Software"), to deal in the Software without restriction, including without limitation the rights to use, copy, modify, merge, publish, distribute, sublicense, and/or sell copies of the Software, and to permit persons to whom the Software is furnished to do so, subject to the following conditions:

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1.239 grpc-protobuf-lite 1.16.1

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1.240 plexus-interpolation 1.3

1.241 cyrus-sasl 2.1.26

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1.248 maven-settings 3.3.1

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1.249 beanshell 2.0b6

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* /opt/ws_local/PERMITS_SQL/1085830933_1599146752.66/0/grpc-1-4-1-gem/data-tar-gz/third_party/boringssl/crypto/obj/obj_dat.h
* /opt/ws_local/PERMITS_SQL/1085830933_1599146752.66/0/grpc-1-4-1-gem/data-tar-gz/third_party/boringssl/include/openssl/pem.h
No license file was found, but licenses were detected in source scan.

// zutil.h -- internal interface and configuration of the compression library
* Copyright (C) 1995-2016 Jean-loup Gailly, Mark Adler
* For conditions of distribution and use, see copyright notice in zlib.h
*/

Found in path(s):
* /opt/ws_local/PERMITS_SQL/1085830933_1599146752.66/0/grpc-1-4-1-gem/data-tar-gz/third_party/zlib/zutil.h
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* /opt/ws_local/PERMITS_SQL/1085830933_1599146752.66/0/grpc-1-4-1-gem/data-tar-gz/third_party/zlib/inftrees.h

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gz/third_party/boringssl/include/openssl/bn.h
* /opt/ws_local/PERMITS_SQL/1085830933_1599146752.66/0/grpc-1-4-1-gem/data-targ-
gz/third_party/boringssl/crypto/bn/internal.h
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/* gzclose.c -- zlib gzclose() function
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* /opt/ws_local/PERMITS_SQL/1085830933_1599146752.66/0/grpc-1-4-1-gem/data-targ-
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* /opt/ws_local/PERMITS_SQL/1085830933_1599146752.66/0/grpc-1-4-1-gem/data-tar-gz/src/core/lib/iomgr/ev_epoll1_linux.h
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* /opt/ws_local/PERMITS_SQL/1085830933_1599146752.66/0/grpc-1-4-1-gem/data-tar-gz/src/core/lib/iomgr/tcp_server_utilsposix.h
* /opt/ws_local/PERMITS_SQL/1085830933_1599146752.66/0/grpc-1-4-1-gem/data-tar-gz/src/core/lib/iomgr/is_epollexclusive_available.c
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* /opt/ws_local/PERMITS_SQL/1085830933_1599146752.66/0/grpc-1-4-1-gem/data-tar-gz/src/core/ext/filters/http/http_filters_plugin.c
* /opt/ws_local/PERMITS_SQL/1085830933_1599146752.66/0/grpc-1-4-1-gem/data-tar-gz/src/core/ext/filters/max_age/max_age_filter.c
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* /opt/ws_local/PERMITS_SQL/1085830933_1599146752.666/grpc-1-4-1-gem/data-tar-
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* /opt/ws_local/PERMITS_SQL/1085830933_1599146752.66/0/grpc-1-4-1-gem/data-tar-gz/third_party/boringssl/crypto/ec/internal.h
* /opt/ws_local/PERMITS_SQL/1085830933_1599146752.66/0/grpc-1-4-1-gem/data-tar-gz/third_party/boringssl/crypto/ec/ec_key.c
* /opt/ws_local/PERMITS_SQL/1085830933_1599146752.66/0/grpc-1-4-1-gem/data-tar-gz/third_party/boringssl/crypto/ec/wnaf.c
* /opt/ws_local/PERMITS_SQL/1085830933_1599146752.66/0/grpc-1-4-1-gem/data-tar-gz/third_party/boringssl/include/openssl/ec.h
* /opt/ws_local/PERMITS_SQL/1085830933_1599146752.66/0/grpc-1-4-1-gem/data-tar-gz/third_party/boringssl/include/openssl/ec_key.h
* /opt/ws_local/PERMITS_SQL/1085830933_1599146752.66/0/grpc-1-4-1-gem/data-tar-gz/third_party/boringssl/crypto/ec/ec.c
* /opt/ws_local/PERMITS_SQL/1085830933_1599146752.66/0/grpc-1-4-1-gem/data-tar-gz/third_party/boringssl/crypto/ec/oct.c

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* /opt/ws_local/PERMITS_SQL/1085830933_1599146752.66/0/grpc-1-4-1-gem/data-tar-gz/src/core/lib/http/parser.h
* /opt/ws_local/PERMITS_SQL/1085830933_1599146752.66/0/grpc-1-4-1-gem/data-tar-gz/src/core/lib/iomgr/ev_posix.h
* /opt/ws_local/PERMITS_SQL/1085830933_1599146752.66/0/grpc-1-4-1-gem/data-tar-gz/src/core/lib/channel/channel_args.c
* /opt/ws_local/PERMITS_SQL/1085830933_1599146752.66/0/grpc-1-4-1-gem/data-tar-gz/src/core/lib/iomgr/ev_posix.c
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* /opt/ws_local/PERMITS_SQL/1085830933_1599146752.66/0/grpc-1-4-1-gem/data-tar-gz/src/core/ext/transport/chttp2/transport/chttp2/transport/incoming_metadata.c
* /opt/ws_local/PERMITS_SQL/1085830933_1599146752.66/0/grpc-1-4-1-gem/data-tar-gz/src/core/lib/security/transport/auth_filters.h
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gz/src/core/lib/iomgr/time_averaged_stats.h
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* /opt/ws_local/PERMITS_SQL/1085830933_1599146752.66/0/grpc-1-4-1-gem/data-tar-
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gz/src/core/ext/census/grpc_filter.h
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* /opt/ws_local/PERMITS_SQL/1085830933_1599146752.66/0/grpc-1-4-1-gem/data-targ
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* /opt/ws_local/PERMITS_SQL/1085830933_1599146752.66/0/grpc-1-4-1-gem/data-targ-
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gz/src/core/lib/iomgr/ev_epolllex_linux.h
* /opt/ws_local/PERMITS_SQL/1085830933_1599146752.66/0/grpc-1-4-1-gem/data-targ-
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* /opt/ws_local/PERMITS_SQL/1085830933_1599146752.66/0/grpc-1-4-1-gem/data-targ-
gz/src/core/lib/security/credentials/credentials_metadata.c
* /opt/ws_local/PERMITS_SQL/1085830933_1599146752.66/0/grpc-1-4-1-gem/data-targ-
gz/src/core/lib/security/credentials/credentials_metadata.h
* /opt/ws_local/PERMITS_SQL/1085830933_1599146752.66/0/grpc-1-4-1-gem/data-targ-
gz/src/core/lib/support/stack_lockfree.c
* /opt/ws_local/PERMITS_SQL/1085830933_1599146752.66/0/grpc-1-4-1-gem/data-targ-
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* /opt/ws_local/PERMITS_SQL/1085830933_1599146752.66/0/grpc-1-4-1-gem/data-targz/third_party/boringssl/crypto/x509v3/pcy_node.c
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* /opt/ws_local/PERMITS_SQL/1085830933_1599146752.66/0/grpc-1-4-1-gem/data-tar-gz/third_party/boringssl/include/openssl/ex_data.h

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  /opt/ws_local/PERMITS_SQL/1085830933_1599146752.66/0/grpc-1.4.1-gem/data-targ-
  gz/third_party/boringssl/crypto/evp/p_dsa_asn1.c
  /opt/ws_local/PERMITS_SQL/1085830933_1599146752.66/0/grpc-1.4.1-gem/data-targ-
  gz/third_party/boringssl/crypto/evp/print.c
  /opt/ws_local/PERMITS_SQL/1085830933_1599146752.66/0/grpc-1.4.1-gem/data-targ-
  gz/third_party/boringssl/crypto/evp/p_ec.c

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* /opt/ws_local/PERMITS_SQL/1085830933_1599146752.66/0/grpc-1.4.1-gem/data-targ-
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* /opt/ws_local/PERMITS_SQL/1085830933_1599146752.66/0/grpc-1-4-1-gem/data-tar-gz/third_party/boringssl/crypto/x509v3/v3_pci.c

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* /opt/ws_local/PERMITS_SQL/1085830933_1599146752.66/0/grpc-1-4-1-gem/data-tar-
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key_exchange_info contains an indication of the size of the asymmetric
* primitive used in the handshake that created this session. In the event
* that two asymmetric operations are used, this value applies to the one
* that controls the confidentiality of the connection. Its interpretation
* depends on the primitive that was used; as specified by the cipher suite:
* DHE: the size, in bits, of the multiplicative group.
* ECDHE: the TLS id for the curve.
*
* A zero indicates that the value is unknown. */

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* /opt/ws_local/PERMITS_SQL/1085830933_1599146752.66/0/grpc-1-4-1-gem/data-tar-
gz/third_party/cares/cares/ares_parse_txt_reply.c
* /opt/ws_local/PERMITS_SQL/1085830933_1599146752.66/0/grpc-1-4-1-gem/data-tar-
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* /opt/ws_local/PERMITS_SQL/1085830933_1599146752.66/0/grpc-1-4-1-gem/data-targ-
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* /opt/ws_local/PERMITS_SQL/1085830933_1599146752.66/0/grpc-1-4-1-gem/data-targ-
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* /opt/ws_local/PERMITS_SQL/1085830933_1599146752.66/0/grpc-1-4-1-gem/data-targ-
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* /opt/ws_local/PERMITS_SQL/1085830933_1599146752.66/0/grpc-1-4-1-gem/data-targ-
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* /opt/ws_local/PERMITS_SQL/1085830933_1599146752.66/0/grpc-1-4-1-gem/data-tar-gz/third_party/boringssl/ssl/ssl_session.c
No license file was found, but licenses were detected in source scan.

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* /opt/ws_local/PERMITS_SQL/1085830933_1599146752.66/0/grpc-1-4-1-gem/data-tar-gz/src/core/lib/channel/handshaker_registry.c
* /opt/ws_local/PERMITS_SQL/1085830933_1599146752.66/0/grpc-1-4-1-gem/data-tar-gz/src/core/lib/support/mpscq.c
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* /opt/ws_local/PERMITS_SQL/1085830933_1599146752.66/0/grpc-1-4-1-gem/data-targz/include/grpc/grpc_posix.h
* /opt/ws_local/PERMITS_SQL/1085830933_1599146752.66/0/grpc-1-4-1-gem/data-targz/include/grpc/impl/codegen/connectivity_state.h
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gz/src/core/lib/iomgr/pollset_set_uv.c
* /opt/ws_local/PERMITS_SQL/1085830933_1599146752.66/0/grpc-1-4-1-gem/data-targ-
gz/src/core/lib/iomgr/network_status_tracker.h
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* /opt/ws_local/PERMITS_SQL/1085830933_1599146752.66/0/grpc-1-4-1-gem/data-targ- 
gz/third_party/cares/cares/ares_parse_mx_reply.c 
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* /opt/ws_local/PERMITS_SQL/1085830933_1599146752.66/0/grpc-1-4-1-gem/data-targ- 
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* /opt/ws_local/PERMITS_SQL/1085830933_1599146752.66/0/grpc-1-4-1-gem/data-tar-gz/third_party/boringssl/ssl/tls_record.c
* /opt/ws_local/PERMITS_SQL/1085830933_1599146752.66/0/grpc-1-4-1-gem/data-tar-gz/third_party/boringssl/crypto/pem/pem_all.c

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* /opt/ws_local/PERMITS_SQL/1085830933_1599146752.66/0/grpc-1-4-1-gem/data-tar-gz/src/core/lib/surface/server.c
* /opt/ws_local/PERMITS_SQL/1085830933_1599146752.66/0/grpc-1-4-1-gem/data-tar-gz/src/core/lib/surface/completion_queue.h
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* /opt/ws_local/PERMITS_SQL/1085830933_1599146752.66/0/grpc-1-4-1-gem/data-tar-gz/third_party/zlib/gzguts.h
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*/
/** Signal that the call is cacheable. GRPC is free to use GET verb */

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* /opt/ws_local/PERMITS_SQL/1085830933_1599146752.66/0/grpc-1-4-1-gem/data-targz/third_party/boringssl/crypto/bn/rsaz_exp.h
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(/opt/ws_local/PERMITS_SQL/1085830933_1599146752.66/0/grpc-1-4-1-gem/data-targgz/third_party/boringssl/crypto/ec/p224-64.c)

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* /opt/ws_local/PERMITS_SQL/1085830933_1599146752.66/0/grpc-1-4-1-gem/data-targ-
gz/third_party/cares/cares/ares_strcasecmp.c
* /opt/ws_local/PERMITS_SQL/1085830933_1599146752.66/0/grpc-1-4-1-gem/data-targ-
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* /opt/ws_local/PERMITS_SQL/1085830933_1599146752.66/0/grpc-1-4-1-gem/data-targ-
gz/third_party/cares/cares/ares_search.c
* /opt/ws_local/PERMITS_SQL/1085830933_1599146752.66/0/grpc-1-4-1-gem/data-targ-
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* /opt/ws_local/PERMITS_SQL/1085830933_1599146752.66/0/grpc-1-4-1-gem/data-targ-
gz/third_party/cares/cares/ares_timeout.c
* /opt/ws_local/PERMITS_SQL/1085830933_1599146752.66/0/grpc-1-4-1-gem/data-targ-
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* /opt/ws_local/PERMITS_SQL/1085830933_1599146752.66/0/grpc-1-4-1-gem/data-targ-
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* /opt/ws_local/PERMITS_SQL/1085830933_1599146752.66/0/grpc-1-4-1-gem/data-targ-
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* /opt/ws_local/PERMITS_SQL/1085830933_1599146752.66/0/grpc-1-4-1-gem/data-targ-
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* /opt/ws_local/PERMITS_SQL/1085830933_1599146752.66/0/grpc-1-4-1-gem/data-targ-
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* /opt/ws_local/PERMITS_SQL/1085830933_1599146752.66/0/grpc-1-4-1-gem/data-targ-
gz/third_party/cares/cares/ares_getenv.c
* /opt/ws_local/PERMITS_SQL/1085830933_1599146752.66/0/grpc-1-4-1-gem/data-targ-
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*/

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* /opt/ws_local/PERMITS_SQL/1085830933_1599146752.66/0/grpc-1-4-1-gem/data-targ-
gz/third_party/boringssl/include/openssl/asn1.h
* /opt/ws_local/PERMITS_SQL/1085830933_1599146752.66/0/grpc-1-4-1-gem/data-targ-
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* /opt/ws_local/PERMITS_SQL/1085830933_1599146752.66/0/grpc-1-4-1-gem/data-tar-
gz/third_party/boringssl/crypto/cpu-aarch64-linux.c
* /opt/ws_local/PERMITS_SQL/1085830933_1599146752.66/0/grpc-1-4-1-gem/data-tar-
gz/third_party/boringssl/crypto/x509/internal.h
* /opt/ws_local/PERMITS_SQL/1085830933_1599146752.66/0/grpc-1-4-1-gem/data-tar-
gz/third_party/boringssl/crypto/newhope/newhope.c
* /opt/ws_local/PERMITS_SQL/1085830933_1599146752.66/0/grpc-1-4-1-gem/data-tar-
gz/third_party/boringssl/crypto/newhope/poly.c
* /opt/ws_local/PERMITS_SQL/1085830933_1599146752.66/0/grpc-1-4-1-gem/data-tar-
gz/third_party/boringssl/crypto/newhope/reduce.c
* /opt/ws_local/PERMITS_SQL/1085830933_1599146752.66/0/grpc-1-4-1-gem/data-tar-
gz/third_party/boringssl/crypto/newhope/error_correction.c
* /opt/ws_local/PERMITS_SQL/1085830933_1599146752.66/0/grpc-1-4-1-gem/data-tar-
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* /opt/ws_local/PERMITS_SQL/1085830933_1599146752.66/0/grpc-1-4-1-gem/data-tar-
gz/third_party/boringssl/crypto/cpu-ppc64le.c
* /opt/ws_local/PERMITS_SQL/1085830933_1599146752.66/0/grpc-1-4-1-gem/data-tar-
gz/third_party/boringssl/ssl/tls13_server.c
* /opt/ws_local/PERMITS_SQL/1085830933_1599146752.66/0/grpc-1-4-1-gem/data-tar-
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* /opt/ws_local/PERMITS_SQL/1085830933_1599146752.66/0/grpc-1-4-1-gem/data-tar-
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* /opt/ws_local/PERMITS_SQL/1085830933_1599146752.66/0/grpc-1-4-1-gem/data-tar-
gz/third_party/cares/cares/ares_private.h

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  gz/third_party/boringssl/include/openssl/base.h
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*/

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* /opt/ws_local/PERMITS_SQL/1085830933_1599146752.66/0/grpc-1-4-1-gem/data-targ-
  gz/third_party/zlib/gzwrite.c
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* /opt/ws_local/PERMITS_SQL/1085830933_1599146752.66/0/grpc-1-4-1-gem/data-tar-gz/third_party/boringssl/include/openssl/x509.h
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/* compress.c -- compress a memory buffer
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/* ============ End of compress.c ============ */

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* /opt/ws_local/PERMITS_SQL/1085830933_1599146752.66/0/grpc-1-4-1-gem/data-tar-gz/third_party/boringssl/crypto/ecdh/ecdh.c

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*/opt/ws_local/PERMITS_SQL/1085830933_1599146752.66/0/grpc-1-4-1-gem/data-tar-gz/third_party/boringssl/crypto/time_support.c
*/opt/ws_local/PERMITS_SQL/1085830933_1599146752.66/0/grpc-1-4-1-gem/data-tar-gz/third_party/boringssl/include/openssl/time_support.h
*/opt/ws_local/PERMITS_SQL/1085830933_1599146752.66/0/grpc-1-4-1-gem/data-tar-gz/third_party/boringssl/crypto/pem/pem_x509.c
*/opt/ws_local/PERMITS_SQL/1085830933_1599146752.66/0/grpc-1-4-1-gem/data-tar-gz/third_party/boringssl/crypto/x509/x509cset.c

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* /opt/ws_local/PERMITS_SQL/1085830933_1599146752.66/0/grpc-1-4-1-gem/data-tar-gz/third_party/boringssl/crypto/x509v3/v3_bcons.c
* /opt/ws_local/PERMITS_SQL/1085830933_1599146752.66/0/grpc-1-4-1-gem/data-tar-gz/third_party/boringssl/crypto/x509v3/v3_bist.c
* /opt/ws_local/PERMITS_SQL/1085830933_1599146752.66/0/grpc-1-4-1-gem/data-tar-gz/third_party/boringssl/crypto/x509v3/v3_akey.c
* /opt/ws_local/PERMITS_SQL/1085830933_1599146752.66/0/grpc-1-4-1-gem/data-tar-gz/third_party/boringssl/crypto/x509v3/v3_extku.c
* /opt/ws_local/PERMITS_SQL/1085830933_1599146752.66/0/grpc-1-4-1-gem/data-tar-gz/third_party/boringssl/crypto/x509v3/v3_enum.c
* /opt/ws_local/PERMITS_SQL/1085830933_1599146752.66/0/grpc-1-4-1-gem/data-tar-gz/third_party/boringssl/crypto/x509v3/v3_pku.c
* /opt/ws_local/PERMITS_SQL/1085830933_1599146752.66/0/grpc-1-4-1-gem/data-tar-gz/third_party/boringssl/crypto/x509v3/v3_skey.c
* /opt/ws_local/PERMITS_SQL/1085830933_1599146752.66/0/grpc-1-4-1-gem/data-tar-gz/third_party/boringssl/crypto/x509v3/v3_trs.c
* /opt/ws_local/PERMITS_SQL/1085830933_1599146752.66/0/grpc-1-4-1-gem/data-tar-gz/third_party/boringssl/crypto/x509/x509a.c
* /opt/ws_local/PERMITS_SQL/1085830933_1599146752.66/0/grpc-1-4-1-gem/data-tar-gz/third_party/boringssl/crypto/x509/v3_prn.c
* /opt/ws_local/PERMITS_SQL/1085830933_1599146752.66/0/grpc-1-4-1-gem/data-tar-gz/third_party/boringssl/crypto/pkcs8/internal.h
* /opt/ws_local/PERMITS_SQL/1085830933_1599146752.66/0/grpc-1-4-1-gem/data-tar-gz/third_party/boringssl/crypto/pkcs8/pkcs8.c
* /opt/ws_local/PERMITS_SQL/1085830933_1599146752.66/0/grpc-1-4-1-gem/data-tar-gz/third_party/boringssl/include/openssl/pkcs8.h
* /opt/ws_local/PERMITS_SQL/1085830933_1599146752.66/0/grpc-1-4-1-gem/data-tar-gz/third_party/boringssl/crypto/x509v3/v3_skey.c
* /opt/ws_local/PERMITS_SQL/1085830933_1599146752.66/0/grpc-1-4-1-gem/data-tar-gz/third_party/boringssl/crypto/x509/x509spki.c
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  gz/third_party/cares/cares/bitncmp.c
* /opt/ws_local/PERMITS_SQL/1085830933_1599146752.66/0/grpc-1-4-1-gem/data-tar-
  gz/third_party/cares/cares/inet_net_pton.c
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  gz/third_party/boringssl/crypto/refcount_c11.c
* /opt/ws_local/PERMITS_SQL/1085830933_1599146752.66/0/grpc-1-4-1-gem/data-tar-
  gz/third_party/boringssl/crypto/curve25519/internal.h
* /opt/ws_local/PERMITS_SQL/1085830933_1599146752.66/0/grpc-1-4-1-gem/data-tar-
  gz/third_party/boringssl/crypto/ec/util-64.c
* /opt/ws_local/PERMITS_SQL/1085830933_1599146752.66/0/grpc-1-4-1-gem/data-tar-
  gz/third_party/boringssl/include/openssl/buffer.h
* /opt/ws_local/PERMITS_SQL/1085830933_1599146752.66/0/grpc-1-4-1-gem/data-tar-
  gz/third_party/boringssl/include/openssl/srtp.h
* /opt/ws_local/PERMITS_SQL/1085830933_1599146752.66/0/grpc-1-4-1-gem/data-tar-
  gz/third_party/boringssl/crypto/thread_pthread.c
* /opt/ws_local/PERMITS_SQL/1085830933_1599146752.66/0/grpc-1-4-1-gem/data-tar-
  gz/third_party/boringssl/ssl/ssl_aead_ctx.c
* /opt/ws_local/PERMITS_SQL/1085830933_1599146752.66/0/grpc-1-4-1-gem/data-tar-
  gz/third_party/boringssl/ssl/ssl_buffer.c
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* /opt/ws_local/PERMITS_SQL/1085830933_1599146752.66/0/grpc-1-4-1-gem/data-targ-
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* /opt/ws_local/PERMITS_SQL/1085830933_1599146752.66/0/grpc-1-4-1-gem/data-targ-
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* /opt/ws_local/PERMITS_SQL/1085830933_1599146752.66/0/grpc-1-4-1-gem/data-tar-
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/* /opt/ws_local/PERMITS_SQL/1085830933_1599146752.66/0/grpc-1-4-1-gem/data-tar-gz/third_party/cares/cares/ares_platform.c */
/* /opt/ws_local/PERMITS_SQL/1085830933_1599146752.66/0/grpc-1-4-1-gem/data-tar-gz/third_party/cares/cares/ares_iphlpapi.h */
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* /opt/ws_local/PERMITS_SQL/1085830933_1599146752.66/0/grpc-1-4-1-gem/data-targ-gz/third_party/boringssl/crypto/aes/aes.c
* /opt/ws_local/PERMITS_SQL/1085830933_1599146752.66/0/grpc-1-4-1-gem/data-targ-gz/third_party/boringssl/crypto/aes/mode_wrappers.c
* /opt/ws_local/PERMITS_SQL/1085830933_1599146752.66/0/grpc-1-4-1-gem/data-targ-gz/third_party/boringssl/crypto/aes/internal.h
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/* zlib.h -- interface of the 'zlib' general purpose compression library
version 1.2.11, January 15th, 2017

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Jean-loup Gailly        Mark Adler
jloup@gzip.org          madler@alumni.caltech.edu

The data format used by the zlib library is described by RFCs (Request for Comments) 1950 to 1952 in the files http://tools.ietf.org/html/rfc1950 (zlib format), rfc1951 (deflate format) and rfc1952 (gzip format).

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* /opt/ws_local/PERMITS_SQL/1085830933_1599146752.66/0/grpc-1-4-1-gem/data-tar-gz/third_party/boringssl/crypto/bn/convert.c
* /opt/ws_local/PERMITS_SQL/1085830933_1599146752.66/0/grpc-1-4-1-gem/data-tar-gz/third_party/boringssl/crypto/obj/obj.c
* /opt/ws_local/PERMITS_SQL/1085830933_1599146752.66/0/grpc-1-4-1-gem/data-tar-gz/third_party/boringssl/crypto/asn1/tasn_new.c
* /opt/ws_local/PERMITS_SQL/1085830933_1599146752.66/0/grpc-1-4-1-gem/data-tar-gz/third_party/boringssl/crypto/hmac/hmac.c
* /opt/ws_local/PERMITS_SQL/1085830933_1599146752.66/0/grpc-1-4-1-gem/data-targz/third_party/boringssl/include/openssl/evp.h
* /opt/ws_local/PERMITS_SQL/1085830933_1599146752.66/0/grpc-1-4-1-gem/data-targz/third_party/boringssl/crypto/asn1/asn1_lib.c
* /opt/ws_local/PERMITS_SQL/1085830933_1599146752.66/0/grpc-1-4-1-gem/data-targz/third_party/boringssl/crypto/des/des.c
* /opt/ws_local/PERMITS_SQL/1085830933_1599146752.66/0/grpc-1-4-1-gem/data-targz/third_party/boringssl/crypto/bn/div.c
* /opt/ws_local/PERMITS_SQL/1085830933_1599146752.66/0/grpc-1-4-1-gem/data-targz/third_party/boringssl/crypto/evp/sign.c
* /opt/ws_local/PERMITS_SQL/1085830933_1599146752.66/0/grpc-1-4-1-gem/data-targz/third_party/boringssl/crypto/asn1/tasn_free.c
* /opt/ws_local/PERMITS_SQL/1085830933_1599146752.66/0/grpc-1-4-1-gem/data-targz/third_party/boringssl/crypto/obj/obj_xref.c
* /opt/ws_local/PERMITS_SQL/1085830933_1599146752.66/0/grpc-1-4-1-gem/data-targz/third_party/boringssl/crypto/asn1/a_utf8.c
* /opt/ws_local/PERMITS_SQL/1085830933_1599146752.66/0/grpc-1-4-1-gem/data-targz/third_party/boringssl/crypto/cipher/e_des.c
* /opt/ws_local/PERMITS_SQL/1085830933_1599146752.66/0/grpc-1-4-1-gem/data-targz/third_party/boringssl/crypto/x509/x509_r2x.c
* /opt/ws_local/PERMITS_SQL/1085830933_1599146752.66/0/grpc-1-4-1-gem/data-targz/third_party/boringssl/crypto/asn1/tasn_dec.c
* /opt/ws_local/PERMITS_SQL/1085830933_1599146752.66/0/grpc-1-4-1-gem/data-targz/third_party/boringssl/crypto/bn/bn.c
* /opt/ws_local/PERMITS_SQL/1085830933_1599146752.66/0/grpc-1-4-1-gem/data-targz/third_party/boringssl/crypto/asn1/lhash.h
* /opt/ws_local/PERMITS_SQL/1085830933_1599146752.66/0/grpc-1-4-1-gem/data-targz/third_party/boringssl/crypto/buf/buf.c
* /opt/ws_local/PERMITS_SQL/1085830933_1599146752.66/0/grpc-1-4-1-gem/data-targz/third_party/boringssl/crypto/asn1/a_time.c
* /opt/ws_local/PERMITS_SQL/1085830933_1599146752.66/0/grpc-1-4-1-gem/data-targz/third_party/boringssl/crypto/asn1/x_bignum.c
* /opt/ws_local/PERMITS_SQL/1085830933_1599146752.66/0/grpc-1-4-1-gem/data-targz/third_party/boringssl/crypto/bn/mul.c
* /opt/ws_local/PERMITS_SQL/1085830933_1599146752.66/0/grpc-1-4-1-gem/data-targz/third_party/boringssl/include/openssl/conf.h
* /opt/ws_local/PERMITS_SQL/1085830933_1599146752.66/0/grpc-1-4-1-gem/data-targz/third_party/boringssl/crypto/x509/x509_d2.c
* /opt/ws_local/PERMITS_SQL/1085830933_1599146752.66/0/grpc-1-4-1-gem/data-targz/third_party/boringssl/crypto/cipher/derive_key.c
* /opt/ws_local/PERMITS_SQL/1085830933_1599146752.66/0/grpc-1-4-1-gem/data-targz/third_party/boringssl/crypto/rsa/rsa.c
* /opt/ws_local/PERMITS_SQL/1085830933_1599146752.66/0/grpc-1-4-1-gem/data-targz/third_party/boringssl/crypto/asn1/a_strnid.c
* /opt/ws_local/PERMITS_SQL/1085830933_1599146752.66/0/grpc-1-4-1-gem/data-targz/third_party/boringssl/crypto/mem.c
* /opt/ws_local/PERMITS_SQL/1085830933_1599146752.66/0/grpc-1-4-1-gem/data-targz/third_party/boringssl/crypto/pem/pem_pk8.c
* /opt/ws_local/PERMITS_SQL/1085830933_1599146752.66/0/grpc-1-4-1-gem/data-targz/third_party/boringssl/crypto/asn1/a_d2i_fp.c
* /opt/ws_local/PERMITS_SQL/1085830933_1599146752.66/0/grpc-1-4-1-gem/data-targz/third_party/boringssl/crypto/asn1/a_bitstr.c
* /opt/ws_local/PERMITS_SQL/1085830933_1599146752.66/0/grpc-1-4-1-gem/data-targz/third_party/boringssl/crypto/x509/x509_ext.c
* /opt/ws_local/PERMITS_SQL/1085830933_1599146752.66/0/grpc-1-4-1-gem/data-targz/third_party/boringssl/crypto/x509/x509_att.c
* /opt/ws_local/PERMITS_SQL/1085830933_1599146752.66/0/grpc-1-4-1-gem/data-targz/third_party/boringssl/crypto/bio/hexdump.c
* /opt/ws_local/PERMITS_SQL/1085830933_1599146752.66/0/grpc-1-4-1-gem/data-targz/third_party/boringssl/crypto/bio/x509_ext.c
* /opt/ws_local/PERMITS_SQL/1085830933_1599146752.66/0/grpc-1-4-1-gem/data-targz/third_party/boringssl/crypto/asn1/f_int.c
* /opt/ws_local/PERMITS_SQL/1085830933_1599146752.66/0/grpc-1-4-1-gem/data-targz/third_party/boringssl/crypto/x509/x509_type.c
* /opt/ws_local/PERMITS_SQL/1085830933_1599146752.66/0/grpc-1-4-1-gem/data-targz/third_party/boringssl/crypto/x509/x509_cmp.c
* /opt/ws_local/PERMITS_SQL/1085830933_1599146752.66/0/grpc-1-4-1-gem/data-targz/third_party/boringssl/crypto/pem/pem_pkey.c
* /opt/ws_local/PERMITS_SQL/1085830933_1599146752.66/0/grpc-1-4-1-gem/data-targz/third_party/boringssl/crypto/sha/sha256.c
* /opt/ws_local/PERMITS_SQL/1085830933_1599146752.66/0/grpc-1-4-1-gem/data-targz/third_party/boringssl/crypto/bn/add.c
* /opt/ws_local/PERMITS_SQL/1085830933_1599146752.66/0/grpc-1-4-1-gem/data-targz/third_party/boringssl/crypto/bio/fd.c
* /opt/ws_local/PERMITS_SQL/1085830933_1599146752.66/0/grpc-1-4-1-gem/data-targz/third_party/boringssl/crypto/pem/pem_lib.c
* /opt/ws_local/PERMITS_SQL/1085830933_1599146752.66/0/grpc-1-4-1-gem/data-targz/third_party/boringssl/crypto/sha/sha256.c
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* /opt/ws_local/PERMITS_SQL/1085830933_1599146752.66/0/grpc-1-4-1-gem/data-tar-
gz/third_party/boringssl/crypto/x509v3/v3_genn.c
* /opt/ws_local/PERMITS_SQL/1085830933_1599146752.66/0/grpc-1-4-1-gem/data-tar-
gz/third_party/boringssl/crypto/x509v3/v3_crlid.c
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 * Copyright (C) 1995-2016 Mark Adler
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 */

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* /opt/ws_local/PERMITS_SQL/1085830933_1599146752.66/0/grpc-1-4-1-gem/data-targ-
gz/third_party/zlib/inflate.c
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/* zutil.c -- target dependent utility functions for the compression library
* Copyright (C) 1995-2017 Jean-loup Gailly
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/* Authenticated Encryption with Additional Data.
*
* AEAD couples confidentiality and integrity in a single primitive. AEAD
* algorithms take a key and then can seal and open individual messages. Each
* message has a unique, per-message nonce and, optionally, additional data
* which is authenticated but not included in the ciphertext.
The `EVP_AEAD_CTX_init` function initialises an `EVP_AEAD_CTX` structure and performs any precomputation needed to use `aead` with `key`. The length of the key, `key_len`, is given in bytes.

The `tag_len` argument contains the length of the tags, in bytes, and allows for the processing of truncated authenticators. A zero value indicates that the default tag length should be used and this is defined as `EVP_AEAD_DEFAULT_TAG_LENGTH` in order to make the code clear. Using truncated tags increases an attacker's chance of creating a valid forgery. Be aware that the attacker's chance may increase more than exponentially as would naively be expected.

When no longer needed, the initialised `EVP_AEAD_CTX` structure must be passed to `EVP_AEAD_CTX_cleanup`, which will deallocate any memory used.

With an `EVP_AEAD_CTX` in hand, one can seal and open messages. These operations are intended to meet the standard notions of privacy and authenticity for authenticated encryption. For formal definitions see Bellare and Namprempre, "Authenticated encryption: relations among notions and analysis of the generic composition paradigm," Lecture Notes in Computer Science B<1976> (2000), 531–545, http://www-cse.ucsd.edu/~mihir/papers/oem.html.

When sealing messages, a nonce must be given. The length of the nonce is fixed by the AEAD in use and is returned by `EVP_AEAD_nonce_length`. The nonce must be unique for all messages with the same key*. This is critically important - nonce reuse may completely undermine the security of the AEAD. Nonces may be predictable and public, so long as they are unique. Uniqueness may be achieved with a simple counter or, if large enough, may be generated randomly. The nonce must be passed into the "open" operation by the receiver so must either be implicit (e.g. a counter), or must be transmitted along with the sealed message.

The "seal" and "open" operations are atomic - an entire message must be encrypted or decrypted in a single call. Large messages may have to be split up in order to accomodate this. When doing so, be mindful of the need not to repeat nonces and the possibility that an attacker could duplicate, reorder or drop message chunks. For example, using a single key for a given (large) message and sealing chunks with nonces counting from zero would be secure as long as the number of chunks was securely transmitted. (Otherwise an attacker could truncate the message by dropping chunks from the end.)

The number of chunks could be transmitted by prefixing it to the plaintext, for example. This also assumes that no other message would ever use the same key otherwise the rule that nonces must be unique for a given key would be violated.
* The "seal" and "open" operations also permit additional data to be
  * authenticated via the |ad| parameter. This data is not included in the
  * ciphertext and must be identical for both the "seal" and "open" call. This
  * permits implicit context to be authenticated but may be empty if not needed.
  *
  * The "seal" and "open" operations may work in-place if the |out| and |in|
  * arguments are equal. Otherwise, if |out| and |in| alias, input data may be
  * overwritten before it is read. This situation will cause an error.
  *
  * The "seal" and "open" operations return one on success and zero on error. */

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* /opt/ws_local/PERMITS_SQL/1085830933_1599146752.66/0/grpc-1-4-1-gem/data-tar-
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* /opt/ws_local/PERMITS_SQL/1085830933_1599146752.66/0/grpc-1-4-1-gem/data-tar-gz/third_party/boringssl/crypto/x509v3/v3_pmaps.c

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* /opt/ws_local/PERMITS_SQL/1085830933_1599146752.66/0/grpc-1-4-1-gem/data-targz/third_party/boringssl/crypto/x509v3/v3_purp.c
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* /opt/ws_local/PERMITS_SQL/1085830933_1599146752.66/0/grpc-1-4-1-gem/data-tar-gz/third_party/boringssl/crypto/digest/md32_common.h

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* /opt/ws_local/PERMITS_SQL/1085830933_1599146752.66/0/grpc-1-4-1-gem/data-tar-gz/third_party/cares/cares/ares_get_hostent.c
* /opt/ws_local/PERMITS_SQL/1085830933_1599146752.66/0/grpc-1-4-1-gem/data-tar-gz/third_party/cares/cares/ares_expand_name.c

1.254 trove4j 3.0.3

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1.260 reactive-streams 1.0.2

1.261 maven-repository-metadata 3.6.3

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1.265 vaughan0-go-ini 1.1.7

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1.267 tcp-wrappers 7.6 77.el7

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1.268 maven-resolver-api 1.0.3

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The End

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Rob Pike <r@golang.org>
Rodolfo Carvalho <rhcarvalho@gmail.com>
Russ Cox <rsc@golang.org>
Sebastien Binet <seb.binet@gmail.com>
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- The file `src/libs/snprintf/snprintf.c', written by Mark Martinec
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Please look into snprintf.c for the copyright message.
The complete snprintf package together with documentation is available from

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The `grn' preprocessor, written by Barry Roitblat <barry@rentonww.com> and David Slattengren <slatteng@Xinet.COM>. These files have been part of the original Berkeley ditroff distribution, without AT&T code, and are in the public domain.

The original package can be found at

src/preproc/grn/gprint.h
src/preproc/grn/hdb.cpp
src/preproc/grn/hgraph.cpp
src/preproc/grn/hpoint.cpp
src/preproc/grn/main.cpp

The `gxditview' output device. It is based on X11's `xditview' program and thus has the X license.

src/devices/xditview/DESC.in
src/devices/xditview/Dvi.c
src/devices/xditview/Dvi.h
src/devices/xditview/DviP.h
src/devices/xditview/FontMap
src/devices/xditview/GXditview.ad
src/devices/xditview/Menu.h
src/devices/xditview/ad2c
src/devices/xditview/device.c
src/devices/xditview/device.h
src/devices/xditview/draw.c
src/devices/xditview/font.c
src/devices/xditview/gray1.bm
src/devices/xditview/gray2.bm
src/devices/xditview/gray3.bm
src/devices/xditview/gray4.bm
src/devices/xditview/gray5.bm
src/devices/xditview/gray6.bm
src/devices/xditview/gray7.bm
src/devices/xditview/gray8.bm
src/devices/xditview/gxditview.man
src/devices/xditview/lex.c
src/devices/xditview/page.c
src/devices/xditview/parse.c
src/devices/xditview/xdit.bm
Macro Packages
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The -mdoc macro set, using the BSD license.

tmac/doc.tmac
tmac/doc-old.tmac
tmac/doc-common
tmac/doc-ditroff
tmac/doc-nroff
tmac/doc-syms
tmac/groff_mdoc.man

The -me macro set, using the BSD license.


tmac/e.tmac
tmac/groff_me.man
doc/meintro.me
doc/meref.me

Hyphenation Patterns
---------------------

The file `tmac/hyphen.us' is identical to the file `hyphen.tex', part of the TeX system written by Donald E. Knuth; the master file can be found at

ftp://labrea.stanford.edu/pub/tex/dist/lib/hyphen.tex

It has been renamed for consistency, i.e., to make patterns available under the filenames `hyphen.<language>', e.g. `hyphen.de' or `hyphen.uk'.

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The file `tmac/hyphen.sv' is identical to the file `svhyph.tex', which can be found at

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AUTHOR
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Peter Schaffter (peter@schaffter.ca)
1-355 Lafontaine Ave
Ottawa (ON) K1L 6X6

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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
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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.

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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.

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Found in path(s):
* /opt/ws_local/PERMITS_SQL/1018362001_1591370846.89/0/jcodings-1-0-12-sources-jar/org/jcodings/CanBeTrailTableEncoding.java
* /opt/ws_local/PERMITS_SQL/1018362001_1591370846.89/0/jcodings-1-0-12-sources-jar/org/jcodings/transcode/specific/From_GB18030_Transcoder.java
* /opt/ws_local/PERMITS_SQL/1018362001_1591370846.89/0/jcodings-1-0-12-sources-jar/org/jcodings/EucEncoding.java
* /opt/ws_local/PERMITS_SQL/1018362001_1591370846.89/0/jcodings-1-0-12-sources-jar/org/jcodings/specific/ASCIIEncoding.java
* /opt/ws_local/PERMITS_SQL/1018362001_1591370846.89/0/jcodings-1-0-12-sources-jar/org/jcodings/IntHolder.java
* /opt/ws_local/PERMITS_SQL/1018362001_1591370846.89/0/jcodings-1-0-12-sources-jar/org/jcodings/specific/NonStrictSJISEncoding.java
* /opt/ws_local/PERMITS_SQL/1018362001_1591370846.89/0/jcodings-1-0-12-sources-jar/org/jcodings/specific/ISO8859_3Encoding.java
* /opt/ws_local/PERMITS_SQL/1018362001_1591370846.89/0/jcodings-1-0-12-sources-jar/org/jcodings/specific/KO18UEncoding.java
* /opt/ws_local/PERMITS_SQL/1018362001_1591370846.89/0/jcodings-1-0-12-sources-jar/org/jcodings/specific/BaseEUCJPEncoding.java
* /opt/ws_local/PERMITS_SQL/1018362001_1591370846.89/0/jcodings-1-0-12-sources-jar/org/jcodings/specific/EmacsMuleEncoding.java
* /opt/ws_local/PERMITS_SQL/1018362001_1591370846.89/0/jcodings-1-0-12-sources-jar/org/jcodings/transcode/specific/Iso2022jp_decoder_Transcoder.java
* /opt/ws_local/PERMITS_SQL/1018362001_1591370846.89/0/jcodings-1-0-12-sources-jar/org/jcodings/transcode/specific/To_UTF_32LE_Transcoder.java
jar/org/jcodings/specific/ISO8859_14Encoding.java
* /opt/ws_local/PERMITS_SQL/1018362001_1591370846.89/jcodings-1.0.12-sources-
ar/jorg/jcodings/specific/ISO8859_13Encoding.java
* /opt/ws_local/PERMITS_SQL/1018362001_1591370846.89/jcodings-1.0.12-sources-
jar/jorg/jcodings/transcode/specific/From_UTF_16_Transcoder.java
* /opt/ws_local/PERMITS_SQL/1018362001_1591370846.89/jcodings-1.0.12-sources-
ar/jorg/jcodings/exception/TranscoderException.java
* /opt/ws_local/PERMITS_SQL/1018362001_1591370846.89/jcodings-1.0.12-sources-
ar/jorg/jcodings/util/Hash.java
* /opt/ws_local/PERMITS_SQL/1018362001_1591370846.89/jcodings-1.0.12-sources-
ar/jorg/jcodings/transcode/specific/Cp50221_encoder_Transcoder.java
* /opt/ws_local/PERMITS_SQL/1018362001_1591370846.89/jcodings-1.0.12-sources-
ar/jorg/jcodings/specific/EUCJPEncoding.java
* /opt/ws_local/PERMITS_SQL/1018362001_1591370846.89/jcodings-1.0.12-sources-
ar/jorg/jcodings/specific/KOI8Encoding.java
* /opt/ws_local/PERMITS_SQL/1018362001_1591370846.89/jcodings-1.0.12-sources-
ar/jorg/jcodings/CaseFoldMapEncoding.java
* /opt/ws_local/PERMITS_SQL/1018362001_1591370846.89/jcodings-1.0.12-sources-
ar/jorg/jcodings/specific/NonStrictEUCJPEncoding.java
* /opt/ws_local/PERMITS_SQL/1018362001_1591370846.89/jcodings-1.0.12-sources-
ar/jorg/jcodings/EncodingList.java
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ar/jorg/jcodings/Config.java
* /opt/ws_local/PERMITS_SQL/1018362001_1591370846.89/jcodings-1.0.12-sources-
ar/jorg/jcodings/unicode/UnicodeEncoding.java
* /opt/ws_local/PERMITS_SQL/1018362001_1591370846.89/jcodings-1.0.12-sources-
ar/jorg/jcodings/util/BytesHash.java
* /opt/ws_local/PERMITS_SQL/1018362001_1591370846.89/jcodings-1.0.12-sources-
ar/jorg/jcodings/ObjPtr.java
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ar/jorg/jcodings/specific/BaseSJISEncoding.java
* /opt/ws_local/PERMITS_SQL/1018362001_1591370846.89/jcodings-1.0.12-sources-
ar/jorg/jcodings/specific/UTF32LEEncoding.java
* /opt/ws_local/PERMITS_SQL/1018362001_1591370846.89/jcodings-1.0.12-sources-
ar/jorg/jcodings/transcode/AsciiCompatibility.java
* /opt/ws_local/PERMITS_SQL/1018362001_1591370846.89/jcodings-1.0.12-sources-
ar/jorg/jcodings/transcode/Buffer.java
* /opt/ws_local/PERMITS_SQL/1018362001_1591370846.89/jcodings-1.0.12-sources-
ar/jorg/jcodings/transcode/GenericTranscoder.java
* /opt/ws_local/PERMITS_SQL/1018362001_1591370846.89/jcodings-1.0.12-sources-
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* /opt/ws_local/PERMITS_SQL/1018362001_1591370846.89/jcodings-1.0.12-sources-
ar/jorg/jcodings/exception/EncodingException.java
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jar/org/jcodings/specific/ISO8859_1Encoding.java
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ar/jorg/jcodings/transcode/specific/Eucjp_to_stateless_iso2022jp_Transcoder.java
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ar/jorg/jcodings/Encoding.java
* /opt/ws_local/PERMITS_SQL/1018362001_1591370846.89/0/jcodings-1-0-12-sources-
ar/jorg/jcodings/specific/ISO8859_9Encoding.java
* /opt/ws_local/PERMITS_SQL/1018362001_1591370846.89/0/jcodings-1-0-12-sources-
ar/jorg/jcodings/specific/CP1251Encoding.java
* /opt/ws_local/PERMITS_SQL/1018362001_1591370846.89/0/jcodings-1-0-12-sources-
ar/jorg/jcodings/exception/InternalException.java
* /opt/ws_local/PERMITS_SQL/1018362001_1591370846.89/0/jcodings-1-0-12-sources-
ar/jorg/jcodings/exception/IllegalCharacterException.java
* /opt/ws_local/PERMITS_SQL/1018362001_1591370846.89/0/jcodings-1-0-12-sources-
ar/jorg/jcodings/util/CaseInsensitiveBytesHash.java
* /opt/ws_local/PERMITS_SQL/1018362001_1591370846.89/0/jcodings-1-0-12-sources-
ar/jorg/jcodings/specific/UTF16BEEncoding.java
* /opt/ws_local/PERMITS_SQL/1018362001_1591370846.89/0/jcodings-1-0-12-sources-
ar/jorg/jcodings/ISOEncoding.java
* /opt/ws_local/PERMITS_SQL/1018362001_1591370846.89/0/jcodings-1-0-12-sources-
ar/jorg/jcodings/ApplyAllCaseFoldFunction.java
* /opt/ws_local/PERMITS_SQL/1018362001_1591370846.89/0/jcodings-1-0-12-sources-
ar/jorg/jcodings/util/IntHash.java
* /opt/ws_local/PERMITS_SQL/1018362001_1591370846.89/0/jcodings-1-0-12-sources-
ar/jorg/jcodings/transcode/specific/To_UTF_32_Transcoder.java

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1.300 hystricjavanica 1.5.12

1.301 spring-boot-starter-thymeleaf

2.0.1.RELEASE

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1.302 rxjava-reactive-streams 1.2.1

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1.304 swagger-annotations 1.5.20
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package io.swagger.annotations;

import java.lang.annotation.ElementType;
import java.lang.annotation.Retention;
import java.lang.annotation.RetentionPolicy;
import java.lang.annotation.Target;

/**
 * License metadata available within the info section of a Swagger definition, see
 * https://github.com/OAI/OpenAPI-Specification/blob/master/versions/2.0.md#licenseObject
 * @since 1.5.0
 */

@Target(ElementType.ANNOTATION_TYPE)
@Retention(RetentionPolicy.RUNTIME)
public @interface License {

/**
 * The name of the license.
 * @return the name of the license
 */
String name();

/**
 * An optional URL for the license.
 * @return an optional URL for the license.
 */
String url() default "";
}

1.305 opensaml-security-api 3.3.0

1.306 javax-annotation-api 1.3.2
1.307 jansi-native 1.7

1.308 audit 1.2.9

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

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$Id: LICENSE 2133 2007-11-28 02:46:28Z lechimp $

### 1.319 perl 5.16.3-293.el7

#### 1.319.1 Available under license :

```perl
use strict;
use lib 't/lib';
use MBTest;
use DistGen;

plan 'no_plan';

# Ensure any Module::Build modules are loaded from correct directory
blib_load('Module::Build');

# Create test distribution
#

{ my $dist = DistGen->new(
   name => 'Simple::Name',
   version => '0.01',
   license => 'perl'
);

$dist->regen;
$dist->chdir_in;

my $mb = $dist->new_from_context();
isa_ok( $mb, "Module::Build" );

is( $mb->license, 'perl',
   "license 'perl' is valid"
)
```

my $meta = $mb->get_metadata( fatal => 0 );

is( $meta->{license} => 'perl', "META license will be 'perl'" );
is( $meta->{resources}{license}, "http://dev.perl.org/licenses/", "META license URL is correct" );

}

{
my $dist = DistGen->new(
  name => 'Simple::Name',
  version => '0.01',
  license => 'VaporWare'
);

$dist->regen;
$dist->chdir_in;

my $mb = $dist->new_from_context();
is( $mb, "Module::Build" );
is( $mb->license, 'VaporWare', "license 'VaporWare' is valid" );

my $meta = $mb->get_metadata( fatal => 0 );

is( $meta->{license} => 'unrestricted', "META license will be 'unrestricted'" );
is( $meta->{resources}{license}, "http://example.com/vaporware/", "META license URL is correct" );

}

# Test with alpha number
# vim:ts=2:sw=2:et:sta:sts=2
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---

abstract: 'Build and install Perl modules'

author:
- 'Ken Williams <kwilliams@cpan.org>'
- "Development questions, bug reports, and patches should be sent to the
Module-Build mailing list at <module-build@perl.org>.
"

build_requires:
- File::Temp: 0.15
- Test::Harness: 3.16
- Test::More: 0.49

generated_by: 'Module::Build version 0.3608'

license: gpl

meta-spec:
url: http://module-build.sourceforge.net/META-spec-v1.4.html
version: 1.4

name: Module-Build

resources:
- MailingList: mailto:module-build@perl.org
- license: http://dev.perl.org/licenses/
- repository: http://github.com/dagolden/module-build/
- version: 3

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

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1.327 ncurses 5.9 14.20130511.el7_4

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Calling this script install-sh is preferred over install.sh, to prevent `make' implicit rules from creating a file called install from it when there is no Makefile.

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

On Debian systems, the complete text of the GNU General Public License can be found in `/usr/share/common-licenses/GPL-2'
A. HISTORY OF THE SOFTWARE

Python was created in the early 1990s by Guido van Rossum at Stichting Mathematisch Centrum (CWI, see http://www.cwi.nl) in the Netherlands as a successor of a language called ABC. Guido remains Python's principal author, although it includes many contributions from others.

In 1995, Guido continued his work on Python at the Corporation for National Research Initiatives (CNRI, see http://www.cnri.reston.va.us) in Reston, Virginia where he released several versions of the software.

In May 2000, Guido and the Python core development team moved to BeOpen.com to form the BeOpen PythonLabs team. In October of the same year, the PythonLabs team moved to Digital Creations (now Zope Corporation, see http://www.zope.com). In 2001, the Python Software Foundation (PSF, see http://www.python.org/psf/) was formed, a non-profit organization created specifically to own Python-related Intellectual Property. Zope Corporation is a sponsoring member of the PSF.

All Python releases are Open Source (see http://www.opensource.org for the Open Source Definition). Historically, most, but not all, Python releases have also been GPL-compatible; the table below summarizes the various releases.

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1.330 kafka 1.0.1 2
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1.331 perl 1.04 294.el7_6

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The End

#!perl

copyright.t

=head1 DESCRIPTION

Tests that the latest copyright years in the top-level README file and the C<perl -v> output match each other.

If the test fails, update at least one of README and perl.c so that they match reality.

 Optionally you can pass the C<--now> option to check they are at the current year. This isn't checked by default, so that it doesn't fail for people working on older releases. It should be run before making a new release.

=cut

use strict;
use Config;
BEGIN { require './test.pl' }

if ( $Config{usecrosscompile} ) {
    skip_all( "Not all files are available during cross-compilation" );
}
my ($opt) = @ARGV;

my $readme_year = readme_year();
my $v_year = v_year();

# Check that both copyright dates are up-to-date, but only if requested, so
# that tests still pass for people intentionally working on older versions:
if ($opt eq '--now')
{
    my $current_year = (gmtime)[5] + 1900;
    is $v_year, $current_year, 'perl -v copyright includes current year';
    is $readme_year, $current_year, 'README copyright includes current year';
}

# Otherwise simply check that the two copyright dates match each other:
else
{
    is $readme_year, $v_year, 'README and perl -v copyright dates match';
}

done_testing;

sub readme_year
# returns the latest copyright year from the top-level README file
{
    open my $readme, '<', '../README' or die "Opening README failed: $!";
    # The copyright message is the first paragraph:
    local $/ = " ";
    my $copyright_msg = <$readme>
    my ($year) = $copyright_msg =~ /.*(\d{4,})/s
    or die "Year not found in README copyright message '$copyright_msg'";
    $year;
}

sub v_year
# returns the latest copyright year shown in perl -v
{
    my $output = runperl switches => ['-v'];
    my ($year) = $output =~ /copyright 1987.*\b(\d{4,})/i
    or die "Copyright statement not found in perl -v output '$output'";

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abstract: 'Build and install Perl modules'
author:
- 'Ken Williams <kwilliams@cpan.org>'
  - "Development questions, bug reports, and patches should be sent to the\n    Module-Build mailing list at <module-build@perl.org>,"
build_requires:
  File::Temp: 0.15
  Test::Harness: 3.16
  Test::More: 0.49
generated_by: 'Module::Build version 0.3608'
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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 1989
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procfs provides functions to retrieve system, kernel and process metrics from the pseudo-filesystem proc.

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Gocheck - A rich testing framework for Go

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* /opt/ws_local/PERMITS_SQL/1071979135_1594967769.98/0/org-eclipse-jgit-http-apache-4-11-0-
  201803080745-r-sources-jar/org/eclipse/jgit/transport/http/apache/HttpClientConnectionFactory.java

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  201803080745-r-sources-jar/org/eclipse/jgit/transport/http/apache/internal/HttpApacheText.java

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1.337 rank-eval-client 6.5.4

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1.344 jansi-osx 1.7

1.345 vim 7.4.629-7.el7

1.345.1 Available under license :

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Arnaud LE HORS BULL Research FRANCE -- Koala Project
(XPM - X PixMap format version 2 & 3)
Internet: lehors@sophia.inria.fr
Surface Mail: Arnaud LE HORS, INRIA - Sophia Antipolis,
2004, route des Lucioles, 06565 Valbonne Cedex -- FRANCE
Voice phone: (33) 93.65.77.71, Fax: (33) 93 65 77 66, Telex: 97 00 50 F
*uganda.txt* For Vim version 7.4. Last change: 2013 Jul 06

VIM REFERENCE MANUAL by Bram Moolenaar

*uganda* *Uganda* *copying* *copyright* *license*

SUMMARY

*iccf* *ICCF*

Vim is Charityware. You can use and copy it as much as you like, but you are
encouraged to make a donation for needy children in Uganda. Please see |kcc|
below or visit the ICCF web site, available at these URLs:

http://iccf-holland.org/
http://www.vim.org/iccf/
http://www.iccf.nl/

You can also sponsor the development of Vim. Vim sponsors can vote for
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=== begin of license ===

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      will be distributed is negotiable. If there has been no negotiation
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- If you want to support further Vim development consider becoming a
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  A few minor changes have been made since he checked it, but that should not
  make a difference.

- If you link Vim with a library that goes under the GNU GPL, this limits
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- Once a change is included that goes under the GNU GPL, this forces all
  further changes to also be made under the GNU GPL or a compatible license.

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  MODIFIED_BY define.
Kibaale Children's Centre (KCC) is located in Kibaale, a small town in the south of Uganda, near Tanzania, in East Africa. The area is known as Rakai District. The population is mostly farmers. Although people are poor, there is enough food. But this district is suffering from AIDS more than any other part of the world. Some say that it started there. Estimations are that 10 to 30% of the Ugandans are infected with HIV. Because parents die, there are many orphans. In this district about 60,000 children have lost one or both parents, out of a population of 350,000. And this is still continuing.

The children need a lot of help. The KCC is working hard to provide the needy with food, medical care and education. Food and medical care to keep them healthy now, and education so that they can take care of themselves in the future. KCC works on a Christian base, but help is given to children of any religion.

The key to solving the problems in this area is education. This has been neglected in the past years with president Idi Amin and the following civil wars. Now that the government is stable again, the children and parents have to learn how to take care of themselves and how to avoid infections. There is also help for people who are ill and hungry, but the primary goal is to prevent people from getting ill and to teach them how to grow healthy food.

Most of the orphans are living in an extended family. An uncle or older sister is taking care of them. Because these families are big and the income (if any) is low, a child is lucky if it gets healthy food. Clothes, medical care and schooling is beyond its reach. To help these needy children, a sponsorship program was put into place. A child can be financially adopted. For a few dollars a month KCC sees to it that the child gets indispensable items, is healthy, goes to school and KCC takes care of anything else that needs to be done for the child and the family that supports it.

Besides helping the child directly, the environment where the child grows up needs to be improved. KCC helps schools to improve their teaching methods. There is a demonstration school at the centre and teacher trainings are given. Health workers are being trained, hygiene education is carried out and households are stimulated to build a proper latrine. I helped setting up a production site for cement slabs. These are used to build a good latrine. They are sold below cost price.

There is a small clinic at the project, which provides children and their family with medical help. When needed, transport to a hospital is offered. Immunization programs are carried out and help is provided when an epidemic is breaking out (measles and cholera have been a problem).

*donate*

Summer 1994 to summer 1995 I spent a whole year at the centre, working as a
volunteer. I have helped to expand the centre and worked in the area of water and sanitation. I learned that the help that the KCC provides really helps. When I came back to Holland, I wanted to continue supporting KCC. To do this I'm raising funds and organizing the sponsorship program. Please consider one of these possibilities:

1. Sponsor a child in primary school: 17 euro a month (or more).
2. Sponsor a child in secondary school: 25 euro a month (or more).
3. Sponsor the clinic: Any amount a month or quarter
4. A one-time donation

Compared with other organizations that do child sponsorship the amounts are very low. This is because the money goes directly to the centre. Less than 5% is used for administration. This is possible because this is a small organization that works with volunteers. If you would like to sponsor a child, you should have the intention to do this for at least one year.

How do you know that the money will be spent right? First of all you have my personal guarantee as the author of Vim. I trust the people that are working at the centre, I know them personally. Furthermore, the centre has been co-sponsored and inspected by World Vision, Save the Children Fund and is now under the supervision of Pacific Academy Outreach Society. The centre is visited about once a year to check the progress (at our own cost). I have visited the centre myself many times, starting in 1993. The visit reports are on the ICCF web site.

If you have any further questions, send me e-mail: Bram@vim.org.

The address of the centre is:
Kibaale Children's Centre
p.o. box 1658
Masaka, Uganda, East Africa

Sending money:*iccf-donations*

Check the ICCF web site for the latest information! See |iccf| for the URL.

USA: The methods mentioned below can be used.
Sending a check to the Nehemiah Group Outreach Society (NGOS) is no longer possible, unfortunately. We are looking for another way to get you an IRS tax receipt.
For sponsoring a child contact KCF in Canada (see below). US checks can be sent to them to lower banking costs.

Canada: Contact Kibaale Children's Fund (KCF) in Surrey, Canada. They take care of the Canadian sponsors for the children in Kibaale. KCF forwards 100% of the money to the project in
Uganda. You can send them a one time donation directly. Please send me a note so that I know what has been donated because of Vim. Ask KCF for information about sponsorship.

Kibaale Children's Fund c/o Pacific Academy
10238-168 Street
Surrey, B.C. V4N 1Z4
Canada
Phone: 604-581-5353

If you make a donation to Kibaale Children's Fund (KCF) you will receive a tax receipt which can be submitted with your tax return.

Holland: Transfer to the account of "Stichting ICCF Holland" in Lisse. This will allow for tax deduction if you live in Holland.
Postbank, nr. 4548774
IBAN: NL95 INGB 0004 5487 74

Germany: It is possible to make donations that allow for a tax return. Check the ICCF web site for the latest information:
http://iccf-holland.org/germany.html

World: Use a postal money order. That should be possible from any country, mostly from the post office. Use this name (which is in my passport): "Abraham Moolenaar". Use Euro for the currency if possible.

Europe: Use a bank transfer if possible. Your bank should have a form that you can use for this. See "Others" below for the swift code and IBAN number.
Any other method should work. Ask for information about sponsorship.

Credit Card: You can use PayPal to send money with a Credit card. This is the most widely used Internet based payment system. It's really simple to use. Use this link to find more info:
The e-mail address for sending the money to is:
Bram@iccf-holland.org
For amounts above 400 Euro ($500) sending a check is preferred.

Others: Transfer to one of these accounts if possible:
Postbank, account 4548774
Swift code: INGB NL 2A
IBAN: NL95 INGB 0004 5487 74
under the name "stichting ICCF Holland", Lisse
If that doesn't work:
Rabobank Lisse, account 3765.05.117
Swift code: RABO NL 2U
under the name “Bram Moolenaar”, Lisse
Otherwise, send a check in euro or US dollars to the address
below. Minimal amount: $70 (my bank does not accept smaller
amounts for foreign check, sorry)

Address to send checks to:
Bram Moolenaar
Finsterruethof 1
8134 Adliswil
Switzerland

This address is expected to be valid for a long time.

1.346 libgpg-error 1.12

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* /opt/ws_local/PERMITS_SQL/1010092580_1591902201.88/0/javassist-3-21-0-ga-sources-jar/javassist/compiler/CodeGen.java
* /opt/ws_local/PERMITS_SQL/1010092580_1591902201.88/0/javassist-3-21-0-ga-sources-jar/javassist/bytecode/SignatureAttribute.java
* /opt/ws_local/PERMITS_SQL/1010092580_1591902201.88/0/javassist-3-21-0-ga-sources-jar/javassist/CtConstructor.java
* /opt/ws_local/PERMITS_SQL/1010092580_1591902201.88/0/javassist-3-21-0-ga-sources-jar/javassist/convert/TransformAfter.java
* /opt/ws_local/PERMITS_SQL/1010092580_1591902201.88/0/javassist-3-21-0-ga-sources-jar/javassist/bytecode/DuplicateMemberException.java
* /opt/ws_local/PERMITS_SQL/1010092580_1591902201.88/0/javassist-3-21-0-ga-sources-jar/javassist/convert/TransformCall.java
* /opt/ws_local/PERMITS_SQL/1010092580_1591902201.88/0/javassist-3-21-0-ga-sources-jar/javassist/tools/reflect/Reflection.java
* /opt/ws_local/PERMITS_SQL/1010092580_1591902201.88/0/javassist-3-21-0-ga-sources-jar/javassist/convert/Transformer.java
* /opt/ws_local/PERMITS_SQL/1010092580_1591902201.88/0/javassist-3-21-0-ga-sources-jar/javassist/bytecode/analysis/MultiArrayType.java
* /opt/ws_local/PERMITS_SQL/1010092580_1591902201.88/0/javassist-3-21-0-ga-sources-jar/javassist/expr/NewExpr.java
* /opt/ws_local/PERMITS_SQL/1010092580_1591902201.88/0/javassist-3-21-0-ga-sources-jar/javassist/CtNewClass.java
* /opt/ws_local/PERMITS_SQL/1010092580_1591902201.88/0/javassist-3-21-0-ga-sources-jar/javassist/bytecode/MethodInfo.java
* /opt/ws_local/PERMITS_SQL/1010092580_1591902201.88/0/javassist-3-21-0-ga-sources-jar/javassist/tools/rmi/ObjectNotFoundException.java
* /opt/ws_local/PERMITS_SQL/1010092580_1591902201.88/0/javassist-3-21-0-ga-sources-jar/javassist/Loader.java
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* /opt/ws_local/PERMITS_SQL/1010092580_1591902201.88/0/javassist-3-21-0-ga-sources-jar/javassist/runtime/DotClass.java
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* /opt/ws_local/PERMITS_SQL/1010092580_1591902201.88/0/javassist-3-21-0-ga-sources-jar/javassist/expr/ConstructorCall.java
* /opt/ws_local/PERMITS_SQL/1010092580_1591902201.88/0/javassist-3-21-0-ga-sources-jar/javassist/CtClass.java
* /opt/ws_local/PERMITS_SQL/1010092580_1591902201.88/0/javassist-3-21-0-ga-sources-jar/javassist/bytecode/stackmap/MapMaker.java
* /opt/ws_local/PERMITS_SQL/1010092580_1591902201.88/0/javassist-3-21-0-ga-sources-jar/javassist/tools/reflect/Compiler.java
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* /opt/ws_local/PERMITS_SQL/1010092580_1591902201.88/0/javassist-3-21-0-ga-sources-jar/javassist/bytecode/annotation/AnnotationsWriter.java
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* /opt/ws_local/PERMITS_SQL/1010092580_1591902201.88/0/javassist-3-21-0-ga-sources-jar/javassist/tools/reflect/Compiler.java
* /opt/ws_local/PERMITS_SQL/1010092580_1591902201.88/0/javassist-3-21-0-ga-sources-jar/javassist/compiler/ast/Visitor.java
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* /opt/ws_local/PERMITS_SQL/1010092580_1591902201.88/0/javassist-3-21-0-ga-sources-jar/javassist/bytecode/annotation/AnnotationsWriter.java
* /opt/ws_local/PERMITS_SQL/1010092580_1591902201.88/0/javassist-3-21-0-ga-sources-jar/javassist/compiler/ast/Declarator.java
* /opt/ws_local/PERMITS_SQL/1010092580_1591902201.88/0/javassist-3-21-0-ga-sources-jar/javassist/Translator.java
* /opt/ws_local/PERMITS_SQL/1010092580_1591902201.88/0/javassist-3-21-0-ga-sources-jar/javassist/bytecode/LocalVariableTypeAttribute.java
* /opt/ws_local/PERMITS_SQL/1010092580_1591902201.88/0/javassist-3-21-0-ga-sources-jar/javassist/bytecode/Mnemonic.java
* /opt/ws_local/PERMITS_SQL/1010092580_1591902201.88/0/javassist-3-21-0-ga-sources-jar/javassist/compiler/ast/ASTList.java
* /opt/ws_local/PERMITS_SQL/1010092580_1591902201.88/0/javassist-3-21-0-ga-sources-jar/javassist/scopedpool/ScopedClassPoolFactoryImpl.java
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/* javassist-bytecode/annotation/MemberValue.java */
/* javassist-bytecode/annotation/Annotation.java */
/* javassist-bytecode/annotation/ShortMemberValue.java */
/* javassist-bytecode/annotation/ByteMemberValue.java */
/* javassist-bytecode/annotation/ArrayMemberValue.java */
/* javassist-bytecode/annotation/LongMemberValue.java */
/* javassist-bytecode/annotation/EnumMemberValue.java */
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DMIDecode Python Extension Module shadows the DMIDecode utility

DMIDecode Python Extension Module

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DMIDecode

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This license, the Library General Public License, applies to some specially designated Free Software Foundation software, and to any other libraries whose authors decide to use it. You can use it for your libraries, too.

When we speak of free software, we are referring to freedom, not price. Our General Public Licenses are designed to make sure that you have the freedom to distribute copies of free software (and charge for this service if you wish), that you receive source code or can get it
if you want it, that you can change the software or use pieces of it in new free programs; and that you know you can do these things.

To protect your rights, we need to make restrictions that forbid anyone to deny you these rights or to ask you to surrender the rights. These restrictions translate to certain responsibilities for you if you distribute copies of the library, or if you modify it.

For example, if you distribute copies of the library, whether gratis or for a fee, you must give the recipients all the rights that we gave you. You must make sure that they, too, receive or can get the source code. If you link a program with the library, you must provide complete object files to the recipients so that they can relink them with the library, after making changes to the library and recompiling it. And you must show them these terms so they know their rights.

Our method of protecting your rights has two steps: (1) copyright the library, and (2) offer you this license which gives you legal permission to copy, distribute and/or modify the library.

Also, for each distributor's protection, we want to make certain that everyone understands that there is no warranty for this free library. If the library is modified by someone else and passed on, we want its recipients to know that what they have is not the original version, so that any problems introduced by others will not reflect on the original authors' reputations.

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

Most GNU software, including some libraries, is covered by the ordinary GNU General Public License, which was designed for utility programs. This license, the GNU Library General Public License, applies to certain designated libraries. This license is quite different from the ordinary one; be sure to read it in full, and don't assume that anything in it is the same as in the ordinary license.

The reason we have a separate public license for some libraries is that they blur the distinction we usually make between modifying or adding to a program and simply using it. Linking a program with a library, without changing the library, is in some sense simply using the library, and is analogous to running a utility program or application program. However, in a textual and legal sense, the linked executable is a combined work, a derivative of the original library, and the ordinary General Public License
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.

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, while the latter only works together with the library.

Note that it is possible for a library to be covered by the ordinary General Public License rather than by this special one.

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0. This License Agreement applies to any software library which contains a notice placed by the copyright holder or other authorized party saying it may be distributed under the terms of this Library 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 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.

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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refrain entirely from distribution of the Library.

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This section is intended to make thoroughly clear what is believed to be a consequence of the rest of this License.

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END OF TERMS AND CONDITIONS

Appendix: How to Apply These Terms to Your New Libraries

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

To apply these terms, attach the following notices to the library. It is
safest to attach them to the start of each source file to most effectively
convey the exclusion of warranty; and each file should have at least the
"copyright" line and a pointer to where the full notice is found.

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

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as the successor of the GNU Library Public License, version 2, hence
the version number 2.1.]

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can use it too, but we suggest you first think carefully about whether
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When we speak of free software, we are referring to freedom of use, 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 this service if you wish); that you receive source code or can get it if you want it; that you can change the software and use pieces of it in new free programs; and that you are informed that you can do these things.

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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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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.

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   b) You must cause the files modified to carry prominent notices
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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
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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,
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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
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exercise the right to control the distribution of derivative or
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In addition, mere aggregation of another work not based on the Library
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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
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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
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(This file is under construction.)

If you've contributed to gas and your name isn't listed here, it is not meant as a slight. I just don't know about it. Email me, nickc@redhat.com and I'll correct the situation.

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the documentation, and info on specific files will go into an AUTHORS file, as requested by the FSF.

++++++++++++++++

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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1.364 plexus-utils 3.3.0

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For the `server\util_md5.c` component:

```c
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For the  server\util_md5.c component:

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* Software Development Group
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* 605 E. Springfield, Champaign, IL 61820
* httpd@ncsa.uiuc.edu
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Written by Adam Twiss (adam@zeus.co.uk). March 1996

Thanks to the following people for their input:
Mike Belshe (mbelshe@netscape.com)
Michael Campanella (campanella@stevms.enet.dec.com)

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1.373 pyserial 2.6 6.el7
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    d.write('<div id="comments_thread"></div>');
    var s = d.createElement('script');
    s.type = 'text/javascript';
    s.async = true;
    s.src = 'https://comments.apache.org/show_comments.lua?site=' + comments_shortname + '&page=' + comments_identifier;
    (d.getElementsByTagName('head')[0] || d.getElementsByTagName('body')[0]).appendChild(s);
} else {
    d.write('<div id="comments_thread">Comments are disabled for this page at the moment.</div>');
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})(window, document);

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* Software Development Group
* National Center for Supercomputing Applications
* University of Illinois at Urbana-Champaign
* 605 E. Springfield, Champaign, IL 61820
*************************************************************************/
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* 
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                           ============  

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Written by Adam Twiss (adam@zeus.co.uk). March 1996

Thanks to the following people for their input:
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Michael Campanella (campanella@stevms.enet.dec.com)

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1.382 spring-beans 5.0.5.RELEASE

1.383 gradle 2.12

1.383.1 Available under license:

2
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The actual SAX classes in xml-commons came from:
http://www.megginson.com/Software/index.html
The original versions are tagged 'SAX-2._0-r2-prerelease'

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import aQute.bnd.annotation.headers.*;

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"http://www.ibm.com/developerworks/library/os-cpl.html", description = "aims of supporting and encouraging collaborative open-source development while still retaining the ability to use the CPL'd content with software licensed under other licenses, including many proprietary licenses.")
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@BundleLicense(name = "http://www.opensource.org/licenses/apache2.0.php", link =
"http://www.apache.org/licenses/LICENSE-2.0.html", description = "Apache Software License 2.0")
public @interface ASL_2_0 {
}

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*

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@BundleLicense(name = "http://opensource.org/licenses/BSD-3-Clause", link =
"http://en.wikipedia.org/wiki/BSD_licenses", description = "Revised BSD License")
public @interface BSD_3_Clause {}  
```

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public @interface MIT_1_0 {}
SourceFileGPL_3_0.java  

package aQute.bnd.annotation.licenses;

import aQute.bnd.annotation.headers.*;

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 */

@BundleLicense(name = "http://opensource.org/licenses/GPL-3.0", link = "http://www.gnu.org/licenses/gpl-3.0.html", description = "The GNU General Public License version 3 (GPLv3)")
public @interface GPL_3_0 {}

package aQute.bnd.annotation.licenses;

import aQute.bnd.annotation.headers.*;

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@BundleLicense(name = "http://opensource.org/licenses/BSD-2-Clause", link = "http://en.wikipedia.org/wiki/BSD_licenses", description = "Simplified BSD or FreeBSD License")
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Last revised by Reagle $Date: 2005-06-03 18:49:13 -0400 (Fri, 03 Jun 2005) $

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The actual classes of The Simple API for CSS (SAC) came from:
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 */
@BundleLicense(name = "http://opensource.org/licenses/MPL-2.0", link = "http://www.mozilla.org/MPL/2.0/", description = "Mozilla Public License 2.0")
public @interface MPL_2_0 { }
java/util/Set

removeAll(Ljava/util/Collection;)Z

hasMoreTokens()Z

tokenaddappend-(Ljava/lang/String;)Ljava/lang/StringBuilder;

(Ljava/lang/Object;)Ljava/lang/StringBuilder;&org/apache/tools/ant/types/Permissions!
	()*)+),-/012/*34589:2A*+3

458;)<=2/*3458>:2A*+3

458?)@=2/*3458A:2V*++**+3 458,)B=2/*3458CD2*+

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;"Ljava/lang/annotation/ElementType;ANNOTATION_TYPETYPE*aQute/bnd/annotation/headers/BundleLicensej
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 */
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@BundleLicense(name = "http://opensource.org/licenses/LGPL-2.1", link = "http://www.gnu.org/licenses/lgpl-2.1.html", description = "GNU Lesser General Public License, version 2.1")
public @interface LGPL_2_1 {
}
```

SourceFile BSD_2_Clause.java

```java
RuntimeInvisibleAnnotations,LaQute/bnd/annotation/headers/BundleLicense;name+ http://opensource.org/licenses/BSD-2-Clause;link)http://en.wikipedia.org/wiki/BSD_licenses;description!Simplified BSD or FreeBSD License*aQute/bnd/annotation/licenses/BSD_2_Clausejava/lang/Objectjava/lang/annotation/Annotation
```

SourceFile MIT_1_0.java

```java
RuntimeInvisibleAnnotations,LaQute/bnd/annotation/headers/BundleLicense;name"http://opensource.org/licenses/MIT;link(http://en.wikipedia.org/wiki/MIT_License;descriptionMIT License*aQute/bnd/annotation/licenses/MIT_1_0java/lang/Objectjava/lang/annotation/Annotation
```
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Joseph Reagle <site-policy@w3.org>

Last revised by Reagle $Date: 2005-06-03 18:49:13 -0400 (Fri, 03 Jun 2005) $
package aQute.bnd.annotation.licenses;

import aQute.bnd.annotation.headers.*;

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 */

@BundleLicense(name = "http://opensource.org/licenses/GPL-2.0", link = "http://www.gnu.org/licenses/gpl-
2.0.html", description = "The GNU General Public License version 2 (GPLv2)")
public @interface GPL_2_0 {}
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<signature of Ty Coon>, 1 April 1990
Ty Coon, President of Vice

That's all there is to it!

2

SourceFileCPL_1_0.java
RuntimeInvisibleAnnotations,LaQute/bnd/annotation/headers/BundleLicense;name)http://opensource.org/licenses/cpl1.0.php
description aims of supporting and encouraging collaborative open-source development while still retaining the ability to use the CPL'd content with software licensed under other licenses, including many proprietary licenses.

package aQute.bnd.annotation.headers;

import java.lang.annotation.*;

/**
 * The Bundle-License header provides an optional machine readable form of
 * license information. The purpose of this header is to automate some of the
 * license processing required by many organizations like for example license
 * acceptance before a bundle is used. The header is structured to provide the
 * use of unique license naming to merge acceptance requests, as well as links
 * to human readable information about the included licenses. This header is
 * purely informational for management agents and must not be processed by the
 * OSGi Framework.
 */
* The syntax for this header is as follows:
* 
* <pre>
* Bundle-License ::= <<EXTERNAL>> |
* ( license ( , license ) * )
* license ::= name ( ; license-attr ) *
* license-attr ::= description | link
* description ::= description = string
* link ::= link = <url>
* </pre>
*
* This header has the following attributes:
* <ul>
* <li>name  Provides a globally unique name for this license, preferably world
* wide, but it should at least be unique with respect to the other clauses. The
* magic name <<EXTERNAL>> is used to indicate that this artifact does not
* contain any license information but that licensing information is provided in
* some other way. This is also the default contents of this header.
* <li>Clients of this bundle can assume that licenses with the same name refer
* to the same license. This can for example be used to minimize the click
* through licenses. This name should be the canonical URL of the license, it
* must not be localized by the translator. This URL does not have to exist but
* must not be used for later versions of the license. It is recommended to use
* URLs from <a href="http://opensource.org/">Open Source Initiative</a>. Other
* licenses should use the following structure, but this is not mandated:
* 
* <pre>
* http://<domain-name>/licenses/
* <license-name>-<version>.<extension>
* </pre>
* <li>description  (optional) Provide the description of the license. This is
* a short description that is usable in a list box on a UI to select more
* information about the license.
* <li>link  (optional) Provide a URL to a page that defines or explains the
* license. If this link is absent, the name field is used for this purpose. The
* URL is relative to the root of the bundle. That is, it is possible to refer
* to a file inside the bundle.
* </ul>
*
* If the Bundle-License statement is absent, then this does not mean that the
* bundle is not licensed. Licensing could be handled outside the bundle and the
* [@code <<EXTERNAL>>] form should be assumed. This header is informational and
* may not have any legal bearing. Consult a lawyer before using this header to
* automate licensing processing.
* 
* A number of licenses have been predefined, [@link ASL_2_0],
* [@link BSD_2_Clause], [@link BSD_3_Clause], [@link CDDL_1_0], [@link EPL_1_0], [@link GPL_2_0],
* [@link GPL_3_0], [@link LGPL_2_1], [@link MIT_1_0].
* [@link MPL_2_0].
*/
@Retention(RetentionPolicy.CLASS)
@Target({
ElementType.ANNOTATION_TYPE, ElementType.TYPE
})
public @interface BundleLicense {
/**
* The name of the license, should refer to <a href="http://opensource.org/">Open Source Initiative</a>
* String name();

/**
* A short description of the license
* String description() default "";

/**
* A URI to the license text. This maybe relative, in that case it is from
* the corresponding bundle.
* String link() default "";

package aQute.bnd.annotation.licenses;

import aQute.bnd.annotation.headers.*;

/**
* An annotation to indicate that the type depends on the Common Development and
* Distribution license. Applying this annotation will add a Bundle-License
* clause.
* */

@BundleLicense(name = "http://opensource.org/licenses/CDDL-1.0", link =
Development and Distribution License 1.0")
public @interface CDDL_1_0 {}
Apache License
Version 2.0, January 2004
http://www.apache.org/licenses/

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*/

JUnit

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1.385 springfoxswagger 2.9.2

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1.401 openssh 7.5.14i.1.5.18-20190711003359.el7

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* @author Vincent Rijmen <vincent.rijmen@esat.kuleuven.ac.be>
* @author Antoon Bosselaers <antoon.bosselaers@esat.kuleuven.ac.be>
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INFO_LDAPMODIFY_ARG_DESCRIPTION_ASSURED_REPLICATION("Indicates that all operation requests should include the UnboundID-proprietary 'assured replication' request control to indicate that the server should delay returning a response to the client until a minimum amount of replication processing has been performed for the operation. The "--{0}", "--{1}", and "--{2}" arguments may be used to configure the settings to use for the assured replication control, but the server will automatically determine an appropriate value for any argument that is not provided.")

Indicates that all bind requests should include the UnboundID-proprietary 'get authorization entry' request control to request that the server return the specified attribute (or collection of attributes, in the case of a special identifier like '*' to indicate all user attributes or '+' to indicate all operational attributes) from the authenticated user's entry. This argument may be provided multiple times to specify multiple attributes to request.

INFO_LDAPMODIFY_ARG_DESCRIPTION_GET_AUTHZ_ENTRY_ATTR("Indicates that all bind requests should include the UnboundID-proprietary 'get authorization entry' request control to request that the server return the specified attribute (or collection of attributes, in the case of a special identifier like '*' to indicate all user attributes or '+' to indicate all operational attributes) from the authenticated user's entry. This argument may be provided multiple times to specify multiple attributes to request.")

Indicates that all bind requests should include the UnboundID-proprietary 'get user resource limits' request control to request that the server return information about resource limits (e.g., size limit, time limit, idle time limit, etc.) imposed for the user.

INFO_LDAPMODIFY_ARG_DESCRIPTION_GET_USER_RESOURCE_LIMITS("Indicates that all bind requests should include the UnboundID-proprietary 'get user resource limits' request control to request that the server return information about resource limits (e.g., size limit, time limit, idle time limit, etc.) imposed for the user.")

Indicates that all delete requests should include the UnboundID-proprietary 'hard delete' request control, which will permanently delete the target entry even if the server would have otherwise performed a soft delete operation to hide the entry for a period of time before deleting it.
INFO_LDAPMODIFY_ARG_DESCRIPTION_HARD_DELETE("Indicates that all delete requests should include the UnboundID-proprietary 'hard delete' request control, which will permanently delete the target entry even if the server would have otherwise performed a soft delete operation to hide the entry for a period of time before deleting it."). Indicates that all add requests should include the UnboundID-proprietary 'ignore NO-USER-MODIFICATION' request control to permit setting values for certain operational attributes not normally permitted to be provided by external clients. INFO_LDAPMODIFY_ARG_DESCRIPTION_IGNORE_NO_USER_MOD("Indicates that all add requests should include the UnboundID-proprietary 'ignore NO-USER-MODIFICATION' request control to permit setting values for certain operational attributes not normally permitted to be provided by external clients."). Include the UnboundID-proprietary 'name with entryUUID' request control in all add requests sent to the server to indicate that the server should use the entryUUID operational attribute as the naming attribute for the resulting entry instead of the provided RDN. INFO_LDAPMODIFY_ARG_DESCRIPTION_NAME_WITH_ENTRY_UUID("Include the UnboundID-proprietary 'name with entryUUID' request control in all add requests sent to the server to indicate that the server should use the entryUUID operational attribute as the naming attribute for the resulting entry instead of the provided RDN."). Indicates that all operations should include the UnboundID-proprietary 'operation purpose' request control to provide the specified reason for the operation.

INFO_LDAPMODIFY_ARG_DESCRIPTION_OPERATION_PURPOSE("Indicates that all operations should include the UnboundID-proprietary 'operation purpose' request control to provide the specified reason for the operation."). Indicates that all add and modify requests that target either the "[0]" or "[1]" attribute should include the UnboundID-proprietary 'password validation details' request control to indicate that the response should include information about the password quality requirements that the server will impose for the target user's password and whether the provided password satisfies each of those constraints.

INFO_LDAPMODIFY_ARG_DESCRIPTION_PASSWORD_VALIDATION_DETAILS("Indicates that all add and modify requests that target either the "[0]" or "[1]" attribute should include the UnboundID-proprietary 'password validation details' request control to indicate that the response should include information about the password quality requirements that the server will impose for the target user's password and whether the provided password satisfies each of those constraints."). Indicates that any modify operation that targets either the "[0]" or "[1]" attribute should include the UnboundID-proprietary 'purge current password' request control. This will indicate that the server should purge the current password from the entry (even if it would have otherwise been retired for a brief period of time).

INFO_LDAPMODIFY_ARG_DESCRIPTION_PURGE_CURRENT_PASSWORD("Indicates that any modify operation that targets either the "[0]" or "[1]" attribute should include the UnboundID-proprietary 'purge current password' request control. This will indicate that the server should purge the current password from the entry (even if it would have otherwise been retired for a brief period of time). Indicates that all operation requests should include the UnboundID-proprietary 'replication repair' request control. This will cause the change to be applied only to the target directory server instance but not to any other server in the replication topology.

INFO_LDAPMODIFY_ARG_DESCRIPTION_REPLICATION_REPAIR("Indicates that all operation requests should include the UnboundID-proprietary 'replication repair' request control. This will cause the change to be applied only to the target directory server instance but not to any other server in the replication topology."). Indicates that any modify operation that targets either the "[0]" or "[1]" attribute should include the UnboundID-proprietary 'retire current password' request control. This will indicate that the server should continue to allow the user to authenticate with their current password (in addition to the new password) for a brief period of time.

INFO_LDAPMODIFY_ARG_DESCRIPTION RETIRE_CURRENT_PASSWORD("Indicates that any modify operation that targets either the "[0]" or "[1]" attribute should include the UnboundID-proprietary 'retire current password' request control. This will indicate that the server should continue to allow the user to authenticate with their current password (in addition to the new password) for a brief period of time."). Indicates that all delete requests should include the UnboundID-proprietary 'soft delete' request control, which indicates that the server should hide the entry for a period of time before deleting it so that it may be restored with an undelete operation if the delete should be reverted. INFO_LDAPMODIFY_ARG_DESCRIPTION SOFT_DELETE("Indicates that all
delete requests should include the UnboundID-proprietary 'soft delete' request control, which indicates that the server should hide the entry for a period of time before deleting it so that it may be restored with an undelete operation if the delete should be reverted."), Indicates that all operations should include the UnboundID-proprietary 'suppress operational attribute updates' request control to indicate that the server should not apply any updates to the specified operational attributes. The value may be one of 'last-access-time', 'last-login-time', 'last-login-ip', or 'lastmod'. INFO_LDAPMODIFY_ARG_DESCRIPTION_SUPPRESS_OP_ATTR_UPDATES("Indicates that all operations should include the UnboundID-proprietary 'suppress operational attribute updates' request control to indicate that the server should not apply any updates to the specified operational attributes. The value may be one of 'last-access-time', 'last-login-time', 'last-login-ip', or 'lastmod.'"), Indicates that the tool should include the UnboundID-proprietary 'suppress referential integrity updates' request control in all delete and modify DN operations to indicate that the server should not perform any referential integrity processing for those operations. INFO_LDAPMODIFY_ARG_DESCRIPTION_SUPPRESS_REFERINT_UPDATES("Indicates that the tool should include the UnboundID-proprietary 'suppress referential integrity updates' request control in all delete and modify DN operations to indicate that the server should not perform any referential integrity processing for those operations."). Indicates that all search requests should include the UnboundID-proprietary 'account usable' request control to request that each search result entry returned include a response control with information about the password policy usability state for the entry. INFO_LDAPSEARCH_ARG_DESCRIPTION_ACCOUNT_USABLE("Indicates that all search requests should include the UnboundID-proprietary account usable request control to request that each search result entry returned include a response control with information about the password policy usability state for the entry."). Indicates that all search requests should include the UnboundID-proprietary 'exclude branch' request control to indicate that matching entries below the specified base DN should be excluded from search results. This argument may be provided multiple times if multiple branches should be excluded. INFO_LDAPSEARCH_ARG_DESCRIPTION_EXCLUDE_BRANCH("Indicates that all search requests should include the UnboundID-proprietary 'exclude branch' request control to indicate that matching entries below the specified base DN should be excluded from search results. This argument may be provided multiple times if multiple branches should be excluded."). Indicates that all bind requests should include the UnboundID-proprietary 'get authorization entry' request control to request that the server return the specified attribute (or collection of attributes, in the case of a special identifier like '*' to indicate all user attributes or '+' to indicate all operational attributes) from the authenticated user's entry. This argument may be provided multiple times to specify multiple attributes to request. INFO_LDAPSEARCH_ARG_DESCRIPTION_GET_AUTHZ_ENTRY_ATTR("Indicates that all bind requests should include the UnboundID-proprietary 'get authorization entry' request control to request that the server return the specified attribute (or collection of attributes, in the case of a special identifier like '*' to indicate all user attributes or '+' to indicate all operational attributes) from the authenticated user's entry. This argument may be provided multiple times to specify multiple attributes to request."). Indicates that all search requests should include the UnboundID-proprietary 'get effective rights' request control to return information about the access control rights that a user has when interacting with each matching entry. This argument may be provided multiple times to specify multiple attributes. INFO_LDAPSEARCH_ARG_DESCRIPTION_GET_EFFECTIVE_RIGHTS_ATTR("Indicates that all search requests should include the UnboundID-proprietary 'get effective rights' request control to return information about the access control rights that a user has when interacting with each matching entry. This argument may be provided multiple times to specify multiple attributes."). Indicates that all search requests should include the UnboundID-proprietary 'get effective rights' request control to return information about the access control rights that a user has when interacting with each matching entry. INFO_LDAPSEARCH_ARG_DESCRIPTION_GET_EFFECTIVE_RIGHTS_AUTHZID("Indicates that all search requests should include the UnboundID-proprietary 'get effective rights' request control to return information about the access control rights that a user has when interacting with each matching entry.").
server return information about resource limits (e.g., size limit, time limit, idle time limit, etc.) imposed for the user.
INFO_LDAPSEARCH_ARG_DESCRIPTION_GET_USER_RESOURCE_LIMITS("Indicates that all bind
requests should include the UnboundID-proprietary 'get user resource limits' request control to request that the
server return information about resource limits (e.g., size limit, time limit, idle time limit, etc.) imposed for the
user.")

Indicates that all search requests should include the UnboundID-proprietary 'return conflict entries request
control' to indicate that the server may return any replication conflict entries that match the search criteria.
Replication conflict entries are normally excluded from search results.
INFO_LDAPSEARCH_ARG_DESCRIPTION_INCLUDE_REPL_CONFLICTS("Indicates that all search requests
should include the UnboundID-proprietary 'return conflict entries request control' to indicate that the server may
return any replication conflict entries that match the search criteria. Replication conflict entries are normally
excluded from search results.")

Indicates that all search requests should include the UnboundID-proprietary 'soft-deleted entry access' request
control to indicate that the server may return any soft-deleted entries that match the
search criteria. Soft-deleted entries are normally excluded from search results.
The value for this argument must be one of: 'with-non-deleted-entries' (indicates that both regular and soft-deleted entries should be returned), 'without-non-deleted-entries' (indicates that only soft-deleted entries should be returned), or 'deleted-entries-in-undeleted-form' (returns only soft-deleted entries in the form in the form the entry had before it was deleted).
INFO_LDAPSEARCH_ARG_DESCRIPTION_INCLUDE_SOFT_DELETED("Indicates that all search requests
should include the UnboundID-proprietary 'soft-deleted entry access' request control to indicate that the server may
return any soft-deleted entries that match the search criteria. Soft-deleted entries are normally excluded from search results.
The value for this argument must be one of: 'with-non-deleted-entries' (indicates that both regular and soft-deleted entries should be returned), 'without-non-deleted-entries' (indicates that only soft-deleted entries should be returned), or 'deleted-entries-in-undeleted-form' (returns only soft-deleted entries in the form in the form the entry had before it was deleted.")

Indicates that all search requests should include the UnboundID-proprietary 'matching entry count' request control, which indicates that the server should return information about the number of entries that match the search criteria. The maximum number of entries to examine must be specified, which helps indicate whether an exact count or an estimate will be returned. If alwaysExamine is specified and the number of candidates is less than the examine count, then each candidate will be examined to verify that it matches the criteria and would actually be returned to the client in a search. If allowUnindexed is specified, then the count will be allowed to be processed even if the search is unindexed (and may take a very long time to complete). If debug is specified, then additional debug information may be included in the output.
INFO_LDAPSEARCH_ARG_DESCRIPTION_MATCHING_ENTRY_COUNT_CONTROL("Indicates that all
search requests should include the UnboundID-proprietary 'matching entry count' request control, which indicates that the server should return information about the number of entries that match the search criteria. The maximum number of entries to examine must be specified, which helps indicate whether an exact count or an estimate will be returned. If alwaysExamine is specified and the number of candidates is less than the examine count, then each candidate will be examined to verify that it matches the criteria and would actually be returned to the client in a search. If allowUnindexed is specified, then the count will be allowed to be processed even if the search is unindexed (and may take a very long time to complete). If debug is specified, then additional debug information may be included in the output.")

Indicates that all search requests should include the UnboundID-proprietary 'operation purpose' request control to provide the specified reason for the operation.
INFO_LDAPSEARCH_ARG_DESCRIPTION_OPERATION_PURPOSE("Indicates that all search requests
should include the UnboundID-proprietary 'operation purpose' request control to provide the specified reason for the
operation.")

Indicates that all search requests should include the UnboundID-proprietary permit unindexed search request control to indicate that the server should process the search operation even if it cannot do so efficiently using server indexes. The requester must have either the unindexed-search or unindexed-search-with-control privilege.
INFO_LDAPSEARCH_ARG_DESCRIPTION_PERMIT_UNINDEXED_SEARCH("Indicates that all search
requests should include the UnboundID-proprietary permit unindexed search request control to indicate that the
server should process the search operation even if it cannot do so efficiently using server indexes. The requester
must have either the unindexed-search or unindexed-search-with-control privilege.

Indicates that all search requests should include the UnboundID-proprietary 'real attributes only' request control to indicate that the server should not include any virtual attributes in entries that are returned.

INFO_LDAPSEARCH_ARG_DESCRIPTION_REAL_ATTRS_ONLY(“Indicates that all search requests should include the UnboundID-proprietary 'real attributes only' request control to indicate that the server should not include any virtual attributes in entries that are returned.”), Indicates that all search requests should include the UnboundID-proprietary reject unindexed search request control to indicate that the server should not process the search operation if it cannot do so efficiently using server indexes, even if the requester has the unindexed-search privilege.

INFO_LDAPSEARCH_ARG_DESCRIPTION_REJECT_UNINDEXED_SEARCH(“Indicates that all search requests should include the UnboundID-proprietary reject unindexed search request control to indicate that the server should not process the search operation if it cannot do so efficiently using server indexes, even if the requester has the unindexed-search privilege.”), Indicates that all operations should include the UnboundID-proprietary 'suppress operational attribute updates' request control to indicate that the server should not apply any updates to the specified operational attributes. The value may be one of 'last-access-time', 'last-login-time', 'last-login-ip', or 'lastmod'.

INFO_LDAPSEARCH_ARG_DESCRIPTION_SUPPRESS_OP_ATTR_UPDATES(“Indicates that all operations should include the UnboundID-proprietary 'suppress operational attribute updates' request control to indicate that the server should not apply any updates to the specified operational attributes. The value may be one of 'last-access-time', 'last-login-time', 'last-login-ip', or 'lastmod'.”), Indicates that all search requests should include the UnboundID-proprietary 'virtual attributes only' request control to indicate that the server should only include virtual attributes in entries returned.

INFO_LDAPSEARCH_ARG_DESCRIPTION_VIRTUAL_ATTRS_ONLY(“Indicates that all search requests should include the UnboundID-proprietary 'virtual attributes only' request control to indicate that the server should only include virtual attributes in entries returned.”);

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```bash
## -*-makefile-*- 
## BSD-specific setup (FreeBSD, OpenBSD, NetBSD, *BSD) 
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## Commands to generate dependency files
GEN_DEPS.c=$(CC) -E -MM $(DEFS) $(CPPFLAGS)
GEN_DEPS.cc=$(CXX) -E -MM $(DEFS) $(CPPFLAGS)

## Flags for position independent code
SHAREDLIBCFLAGS = -fPIC
SHAREDLIBCXXFLAGS = -fPIC
SHAREDLIBCXXFLAGS = -fPIC

## Additional flags when building libraries and with threads
THREADSCPPFLAGS = -D_REENTRANT
LIBCPPFLAGS =

## Compiler switch to embed a runtime search path
LD_RPATH=
```
LD_RPATH_PRE=-Wl,-rpath,

## Compiler switch to embed a library name
LD_SONAME = -Wl,-soname -Wl,$(notdir $(MIDDLE_SO_TARGET))

## Shared library options
LD_SOOPTIONS= -Wl,-Bsymbolic

## Shared object suffix
SO = so
## Non-shared intermediate object suffix
STATIC_O = ao

## Compilation rules
%.$(STATIC_O): $(srcdir)/%.c
$(COMPILE.c) $(STATICCPPFLAGS) $(STATICCFLAGS) -o $@ $<
%.o: $(srcdir)/%.c
$(COMPILE.c) $(DYNAMICCPPFLAGS) $(DYNAMICCFLAGS) -o $@ $<

%.$(STATIC_O): $(srcdir)/%.cpp
$(COMPILE.cc) $(STATICCPPFLAGS) $(STATICCXXFLAGS) -o $@ $<
%.o: $(srcdir)/%.cpp
$(COMPILE.cc) $(DYNAMICCPPFLAGS) $(DYNAMICCXXFLAGS) -o $@ $<

## Dependency rules
%.d: $(srcdir)/%.c
@echo "generating dependency information for $<"
@$(SHELL) -ec "$(GEN_DEPS.c) $< \n | sed \"s/(\$\n)\.o::\$\n\"> $@; \n [ -s $@ ] \|| rm -f $@"

%.d: $(srcdir)/%.cpp
@echo "generating dependency information for $<"
@$(SHELL) -ec "$(GEN_DEPS.cc) $< \n | sed \"s/(\$\n)\.o::\$\n\"> $@; \n [ -s $@ ] \|| rm -f $@"

## Versioned libraries rules
%.$(SO).$(SO_TARGET_VERSION_MAJOR): %.$(SO).$(SO_TARGET_VERSION)
$(RM) $@ && ln -s ${<F} $@
%.$(SO): %.$(SO).$(SO_TARGET_VERSION_MAJOR)
$(RM) $@ && ln -s ${*F}.$(SO).$(SO_TARGET_VERSION) $@

## End FreeBSD-specific setup
1.405 openjdk 1.8.0.252.b09-2.el7_8

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* /opt/ws_local/PERMITS_SQL/1071972024_1594967455.09/0/spring-security-web-5-0-4-release-sources-1-
jar/org/springframework/security/web/access/package-info.java
* /opt/ws_local/PERMITS_SQL/1071972024_1594967455.09/0/spring-security-web-5-0-4-release-sources-1-
jar/org/springframework/security/web/access/accessexpression/WebExpressionVoter.java
* /opt/ws_local/PERMITS_SQL/1071972024_1594967455.09/0/spring-security-web-5-0-4-release-sources-1-
jar/org/springframework/security/web/authentication/preauth/AbstractPreAuthenticatedProcessingFilter.java
*/
1.407 xml-apis 1.4.01

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1.420 oci-umount 2.5-3.el7

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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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1.424 blas 2.5-1.el8

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routine to provide support.

# Contributions to the OpenBLAS project

## Creator & Maintainer

* Zhang Xianyi <traits.zhang@gmail.com>
## Active Developers

* Wang Qian <traz0824@gmail.com>
  * Optimize BLAS3 on ICT Loongson 3A.
  * Optimize BLAS3 on Intel Sandy Bridge.

* Werner Saar <wernsaar@googlemail.com>
  * [2013-03-04] Optimize AVX and FMA4 DGEMM on AMD Bulldozer
  * [2013-04-27] Optimize AVX and FMA4 TRSM on AMD Bulldozer
  * [2013-06-09] Optimize AVX and FMA4 SGEMM on AMD Bulldozer
  * [2013-06-11] Optimize AVX and FMA4 ZGEMM on AMD Bulldozer
  * [2013-06-12] Optimize AVX and FMA4 CGEMM on AMD Bulldozer
  * [2013-06-16] Optimize dgemv_n kernel on AMD Bulldozer
  * [2013-06-20] Optimize ddot, daxpy kernel on AMD Bulldozer
  * [2013-06-21] Optimize dcopy kernel on AMD Bulldozer
  * Porting and Optimization on ARM Cortex-A9
  * Optimization on AMD Piledriver
  * Optimization on Intel Haswell

## Previous Developers

* Zaheer Chothia <zaheer.chothia@gmail.com>
  * Improve the compatibility about complex number
  * Build LAPACK: C interface to LAPACK
  * Improve the windows build.

* Chen Shaohu <huhumartinwar@gmail.com>
  * Optimize GEMV on the Loongson 3A processor.

* Luo Wen
  * Intern. Test Level-2 BLAS.

## Contributors

In chronological order:

* pipping <http://page.mi.fu-berlin.de/pipping>

* Stefan Karpinski <stefan@karpinski.org>
  * [2011-12-28] Fix a bug about SystemStubs on Mac OS X.

* Alexander Eberspcher <https://github.com/aeberspaecher>
  * [2012-05-02] Add note on patch for segfaults on Linux kernel 2.6.32.

* Mike Nolta <mike@nolta.net>
  * [2012-05-19] Fix building bug on FreeBSD and NetBSD.
* Sylvestre Ledru <https://github.com/sylvestre>
  * [2012-07-01] Improve the detection of sparc. Fix building bug under Hurd and kfreebsd.

* Jameson Nash <https://github.com/vtjnash>
  * [2012-08-20] Provide support for passing CFLAGS, FFLAGS, PFLAGS, FPFLAGS to make on the command line.

* Alexander Nasonov <alsnsn@yandex.ru>

* Sbastien Villemot <sebastien@debian.org>
  * [2012-11-14] Fix compilation with TARGET=GENERIC. Patch applied to Debian package.
  * [2013-08-28] Avoid failure on qemu guests declaring an Athlon CPU without 3dnow!

* Kang-Che Sung <Explorer09@gmail.com>

* Kenneth Hoste <kenneth.hoste@gmail.com>

* Lei WANG <https://github.com/wlbksy>
  * [2013-05-22] Fix a bug about wget.

* Dan Luu <http://www.linkedin.com/in/danluu>

* grisuthedragon <https://github.com/grisuthedragon>
  * [2013-07-11] create openblas_get_parallel to retrieve information which parallelization model is used by OpenBLAS.

* Elliot Saba <staticfloat@gmail.com>
  * [2013-07-22] Add in return value for ‘interface/trtri.c’

* Sbastien Fabbro <bicatali@gentoo.org>
  * [2013-07-24] Modify makefile to respect user’s LDFLAGS
  * [2013-07-24] Add stack markings for GNU as arch-independent for assembler files

* Viral B. Shah <viral@mayin.org>
  * [2013-08-21] Patch LAPACK XLASD4.f as discussed in JuliaLang/julia#2340

* Lars Buitinck <https://github.com/larsmans>
  * [2013-08-28] get rid of the generated cblas_noconst.h file
  * [2013-08-28] Missing threshold in gemm.c
  * [2013-08-28] fix default prefix handling in makefiles

* yieldthought <https://github.com/yieldthought>
* [2013-10-08] Remove -Wl,--retain-symbols-file from dynamic link line to fix tool support

* Keno Fischer <https://github.com/loladiro>

* [2013-10-23] Use FC instead of CC to link the dynamic library on OS X

* Christopher Meng <cickumqt@gmail.com>

* [2013-12-09] Add DESTDIR support for easier building on RPM based distros. Use install command instead of cp to install files with permissions control.

* Lucas Beyer <lucasbeyer.be@gmail.com>

* [2013-12-10] Added support for NO_SHARED in make install.

* carlkl <https://github.com/carlkl>

* [2013-12-13] Fixed LAPACKE building bug on Windows

* Isaac Dunham <https://github.com/idunham>

* [2014-08-03] Fixed link error on Linux/musl

* Dave Nuechterlein

* [2014-10-10] trmm and sgemm kernels (optimized for APM's X-Gene 1). ARMv8 support.

* Jerome Robert <jeromerobert@gmx.com>

* [2015-01-01] Speed-up small `ger` and `gemv` using stack allocation (bug #478)

* [2015-12-23] `stack_check` in `gemv.c` (bug #722)

* [2015-12-28] Allow to force the number of parallel make job

* [2015-12-28] Fix detection of AMD E2-3200 detection

* [2015-12-31] Let `make MAX_STACK_ALLOC=0` do what expected

* [2016-01-19] Disable multi-threading in `ger` and `swap` for small matrices (bug #731)

* [2016-01-24] Use `GEMM_MULTITHREAD_THRESHOLD` as a number of ops (bug #742)

* [2016-01-26] Let `openblas_get_num_threads` return the number of active threads (bug #760)

* [2016-01-30] Speed-up small `zger`, `zgemv`, `ztrmv` using stack allocation (bug #727)

* Dan Kortschak

* [2015-01-07] Added test for drotmg bug #484.

* Ton van den Heuvel <https://github.com/ton>

* [2015-03-18] Fix race condition during shutdown causing a crash in gotoblas_set_affinity().

* Martin Koehler <https://github.com/grisuthedragon/>

* [2015-09-07] Improved imatcopy

* Ashwin Sekhar T K <https://github.com/ashwinyes/>

* [2015-11-09] Assembly kernels for Cortex-A57 (ARMv8)

* [2015-11-20] Lapack-test fixes for Cortex-A57

* [2016-03-14] Additional functional Assembly Kernels for Cortex-A57

* [2016-03-14] Optimize Dgemm 4x4 for Cortex-A57
* theoractice <https://github.com/theoractice/>
* [2016-03-20] Fix compiler error in VisualStudio with CMake
* [2016-03-22] Fix access violation on Windows while static linking

* Paul Mustire <https://github.com/buffer51/>
* [2016-02-04] Fix Android build on ARMv7
* [2016-04-26] Android build with LAPACK for ARMV7 & ARMV8

* Shivraj Patil <https://github.com/sva-img/>
* [2016-05-03] DGEMM optimization for MIPS P5600 and I6400 using MSA

* Kaustubh Raste <https://github.com/ksraste/>
* [2016-05-09] DTRSM optimization for MIPS P5600 and I6400 using MSA
* [2016-05-20] STRSM optimization for MIPS P5600 and I6400 using MSA

* Abdelrauf <https://github.com/quickwritereader>
* [2017-01-01] dgemm and dtrmm kernels for IBM z13
* [2017-02-26] ztrmm kernel for IBM z13
* [2017-03-13] strmm and ctrmm kernel for IBM z13
* [2017-09-01] initial Blas Level-1,2 (double precision) for IBM z13
* [2018-03-07] added missing Blas Level 1-2 (double precision) simd codes
* [2019-02-01] added missing Blas Level-1,2 (single precision) simd codes
* [2019-03-14] power9 dgemm/dtrmm kernel
* [2019-04-29] power9 sgemm/strmm kernel

* Jiachen Wang <https://github.com/wjc404>
* [2019-07-29] optimize AVX2 DGEMM
* [2019-10-20] AVX512 DGEMM kernel (4x8)
* [2019-11-06] optimize AVX512 SGEMM
* [2019-11-12] AVX512 CGEMM & ZGEMM kernels
* [2019-12-23] optimize AVX2 CGEMM and ZGEMM
* [2019-12-30] AVX2 CGEMM3M & ZGEMM3M kernels
* [2020-01-07] optimize AVX2 SGEMM and STRMM

* Rajalakshmi Srinivasaraghavan <https://github.com/RajalakshmiSR>

* Marius Hillenbrand <https://github.com/mhillenibm>
* [2020-05-12] Revise dynamic architecture detection for IBM z
* [2020-05-12] Add new sgemm and strmm kernel for IBM z14

* Danfeng Zhang <https://github.com/craft-zhang>
* [2020-05-20] Improve performance of SGEMM and STRMM on Arm Cortex-A53

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1.425 x-net 1.8.3-1.el7

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* configure.ac, Makefile.am: The original versions were derived from the
ones in the XML Catalog Manager project, version 2.2.

Author: Julio Merino <jmmv@users.sourceforge.net>

* atf-cui.c: The format_paragraph and format_text functions were
derived from the ones in the Monotone project, revision
3a0982da308228d796df35f98d787c5:cf22bb5b6,

Author: Julio Merino <jmmv@NetBSD.org>

* atf-c++detail/io.hpp, atf-c++detail/io.cpp, atf-c++detail/io_test.cpp:
These files were derived from the file_handle, systembuf, pipe and pistream
classes and tests found in the Boost.Process library.

Author: Julio Merino <jmmv84@gmail.com>

* admin/check-style.sh, admin/check-style-common.awk,
admin/check-style-cpp.awk, admin/check-style-shell.awk: These files,
except the first one, were first implemented in the Buildtool project.
They were later adapted to be part of Boost.Process and, during that
process, the shell script was created.

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 *
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 */

/**
 * Retrieves constraint related meta data for the parameters of the given
 * executable.
 *
 * @param executable The executable of interest.
 *
 * @return A list with parameter meta data for the given executable.
 */

Found in path(s):
* /opt/ws_local/PERMITS_SQL/1068333960_1594383237.43/0/hibernate-validator-6-0-9-final-sources-2-jar/org/hibernate/validator/internal/metadata/provider/AnnotationMetaDataProvider.java

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```
The following listing shows an example using the JavaScript engine which comes with the JDK:

```java
@ParameterScriptAssert(script = "arg0.before(arg1)", lang = "javascript")
public void createEvent(Date start, Date end) { ... }
```

Can be specified on any method or constructor.

@Author Gunnar Morling

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* /opt/ws_local/PERMITS_SQL/1068333960_1594383237.43/0/hibernate-validator-6-0-9-final-sources-2.jar/org/hibernate/validator/cfg/defs/DecimalMinDef.java
* /opt/ws_local/PERMITS_SQL/1068333960_1594383237.43/0/hibernate-validator-6-0-9-final-sources-2.jar/org/hibernate/validator/internal/metadata/aggregated/rule/ReturnValueMayOnlyBeMarkedOnceAsCascadedPerHierarchyLine.java
* /opt/ws_local/PERMITS_SQL/1068333960_1594383237.43/0/hibernate-validator-6-0-9-final-sources-2.jar/org/hibernate/validator/internal/metadata/raw/ConstrainedParameter.java
* /opt/ws_local/PERMITS_SQL/1068333960_1594383237.43/0/hibernate-validator-6-0-9-final-sources-2.jar/org/hibernate/validator/internal/engine/ValidatorContextImpl.java
* /opt/ws_local/PERMITS_SQL/1068333960_1594383237.43/0/hibernate-validator-6-0-9-final-sources-2.jar/org/hibernate/validator/internal/metadata/core/AnnotationProcessingOptionsImpl.java
* /opt/ws_local/PERMITS_SQL/1068333960_1594383237.43/0/hibernate-validator-6-0-9-final-sources-2.jar/org/hibernate/validator/internal/metadata/location/ConstraintLocation.java
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* /opt/ws_local/PERMITS_SQL/1068333960_1594383237.43/0/hibernate-validator-6-0-9-final-sources-2-
jar/org/hibernate/validator/internal/constraintvalidators/bv/notempty/NotEmptyValidatorForArraysOfByte.java
* /opt/ws_local/PERMITS_SQL/1068333960_1594383237.43/0/hibernate-validator-6-0-9-final-sources-2-
jar/org/hibernate/validator/internal/engine/messageinterpolation/parser/TokenIterator.java
* /opt/ws_local/PERMITS_SQL/1068333960_1594383237.43/0/hibernate-validator-6-0-9-final-sources-2-
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* /opt/ws_local/PERMITS_SQL/1068333960_1594383237.43/0/hibernate-validator-6-0-9-final-sources-2-
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* /opt/ws_local/PERMITS_SQL/1068333960_1594383237.43/0/hibernate-validator-6-0-9-final-sources-2-
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* /opt/ws_local/PERMITS_SQL/1068333960_1594383237.43/0/hibernate-validator-6-0-9-final-sources-2-jar/org/hibernate/validator/internal/util/privilegedactions/GetResolvedMemberMethods.java
* /opt/ws_local/PERMITS_SQL/1068333960_1594383237.43/0/hibernate-validator-6-0-9-final-sources-2-jar/org/hibernate/validator/internal/engine/messageinterpolation/parser/MessageDescriptorFormatException.java
* /opt/ws_local/PERMITS_SQL/1068333960_1594383237.43/0/hibernate-validator-6-0-9-final-sources-2-jar/org/hibernate/validator/internal/constraintvalidators/bv/money/MaxValidatorForMonetaryAmount.java
* /opt/ws_local/PERMITS_SQL/1068333960_1594383237.43/0/hibernate-validator-6-0-9-final-sources-2-jar/org/hibernate/validator/internal/context/ConstraintContextImplBase.java
* /opt/ws_local/PERMITS_SQL/1068333960_1594383237.43/0/hibernate-validator-6-0-9-final-sources-2-jar/org/hibernate/validator/internal/constraintvalidators/bv/time/future/FutureValidatorForOffsetDateTime.java
* /opt/ws_local/PERMITS_SQL/1068333960_1594383237.43/0/hibernate-validator-6-0-9-final-sources-2-jar/org/hibernate/validator/number/bound/DecimalMinValidatorForDouble.java
* /opt/ws_local/PERMITS_SQL/1068333960_1594383237.43/0/hibernate-validator-6-0-9-final-sources-2-jar/org/hibernate/validator/br/CPF.java
* /opt/ws_local/PERMITS_SQL/1068333960_1594383237.43/0/hibernate-validator-6-0-9-final-sources-2-jar/org/hibernate/validator/number/bound/DecimalMinValidatorForBigDecimal.java
* /opt/ws_local/PERMITS_SQL/1068333960_1594383237.43/0/hibernate-validator-6-0-9-final-sources-2-jar/org/hibernate/validator/internal/constraintvalidators/bv/time/pastorpresent/PastOrPresentValidatorForReadableInstant.java
* /opt/ws_local/PERMITS_SQL/1068333960_1594383237.43/0/hibernate-validator-6-0-9-final-sources-2-jar/org/hibernate/validator/internal/constraintvalidators/bv/notempty/NotEmptyValidatorForArraysOfDouble.java
* /opt/ws_local/PERMITS_SQL/1068333960_1594383237.43/0/hibernate-validator-6-0-9-final-sources-2-jar/org/hibernate/validator/internal/constraintvalidators/bv/time/package-info.java
* /opt/ws_local/PERMITS_SQL/1068333960_1594383237.43/0/hibernate-validator-6-0-9-final-sources-2-jar/org/hibernate/validator/InternalGroups.java
* /opt/ws_local/PERMITS_SQL/1068333960_1594383237.43/0/hibernate-validator-6-0-9-final-sources-2-jar/org/hibernate/validator/internal/engine/messageinterpolation/LocalizedMessage.java
* /opt/ws_local/PERMITS_SQL/1068333960_1594383237.43/0/hibernate-validator-6-0-9-final-sources-2-jar/org/hibernate/validator/cfg/defs/NegativeDef.java
* /opt/ws_local/PERMITS_SQL/1068333960_1594383237.43/0/hibernate-validator-6-0-9-final-sources-2-jar/org/hibernate/validator/internal/constraintvalidators/bv/time/package-info.java
* /opt/ws_local/PERMITS_SQL/1068333960_1594383237.43/0/hibernate-validator-6-0-9-final-sources-2-jar/org/hibernate/validator/InternalGroups.java
* /opt/ws_local/PERMITS_SQL/1068333960_1594383237.43/0/hibernate-validator-6-0-9-final-sources-2-jar/org/hibernate/validator/InternalGroups.java

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* /opt/ws_local/PERMITS_SQL/1071974624_1594967407.49/0/spring-tx-5-0-5-release-sources-1-jar/org/springframework/dao/DataRetrievalFailureException.java
* /opt/ws_local/PERMITS_SQL/1071974624_1594967407.49/0/spring-tx-5-0-5-release-sources-1-jar/org/springframework/jca/cci/connection/DelegatingConnectionFactory.java
1.437 libedit 3.0 12.20121213cvs.el7

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

libcurl can be built to use a fair amount of various third party libraries, libraries that are written and provided by other parties that are distributed using their own licenses. Even libcurl itself contains code that may cause problems to some. This document attempts to describe what licenses libcurl and the other libraries use and what possible dilemmas linking and mixing them all can lead to for end users.

I am not a lawyer and this is not legal advice!

One common dilemma is that [GPL](https://www.gnu.org/licenses/gpl.html) licensed code is not allowed to be linked with code licensed under the [Original BSD license](https://spdx.org/licenses/BSD-4-Clause.html) (with the announcement clause). You may still build your own copies that use them all, but distributing them as binaries would be to violate the GPL license - unless you accompany your license with an [exception](https://www.gnu.org/licenses/gpl-faq.html#GPLIncompatibleLibs). This particular problem was addressed when the [Modified BSD license](https://opensource.org/licenses/BSD-3-Clause) was created, which does
not have the announcement clause that collides with GPL.

## libcurl

Uses an [MIT style license](https://curl.haxx.se/docs/copyright.html) that is very liberal.

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## GnuTLS

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## c-ares

(Used for asynchronous name resolves) Uses an MIT license that is very liberal and imposes no restrictions on any other library or part you may link with.

## zlib

(Used for compressed Transfer-Encoding support) Uses an MIT-style license that shouldn't collide with any other library.

## MIT Kerberos

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## Heimdal

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## GNU GSS

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(Used for LDAP support) Uses a Modified BSD-style license. Since libcurl uses OpenLDAP as a shared library only, I have not heard of anyone that ships OpenLDAP linked with libcurl in an app.

## libssh2

(Used for scp and sftp support) libssh2 uses a Modified BSD-style license.

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### 1.453 libsemanage 2.5-14.el7.0atomix1

#### 1.453.1 Available under license:

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Version 2.1, February 1999

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1.454 google-uuid 1.1.1

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May 30th, 2017

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### Jdom-contrib version 1.1.3

The JTS tests module contains source from JDOM Contrib 1.1.3 which is available under the Jdom License [1]. The two files are LineNumberElement.java and LineNumberSAXHandler.java.

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### GeoTools

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May 22, 2015

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VERSION: 2.1 PoliMorf
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<program> Copyright (C) <year> <name of author>
This program comes with ABSOLUTELY NO WARRANTY; for details type `show w'.
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The hypothetical commands `show w' and `show c' should show the appropriate
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Public License instead of this License. But first, please read

From friedman@cli.com Thu May 25 12:19:06 1995
Flags: 10
Return-Path: friedman@cli.com
Received: from po.cwru.edu (root@po.CWRU.Edu [129.22.4.2]) by odin.INS.CWRU.Edu with ESMTP
          (8.6.10+cwru/CWRU-2.1-ins)
          id MAA08685; Thu, 25 May 1995 12:19:05 -0400 (from friedman@cli.com for <chet@odin.INS.CWRU.Edu>)
Received: from cli.com (cli.com [192.31.85.1]) by po.cwru.edu with SMTP (8.6.10+cwru/CWRU-2.3)
          id MAA11299; Thu, 25 May 1995 12:19:00 -0400 (from friedman@cli.com for <chet@po.cwru.edu>)
Received: from tepui.cli.com by cli.com (4.1/SMI-4.1)
          id AA27213; Thu, 25 May 95 11:18:25 CDT
Received: by tepui.cli.com (4.1) id AA16031; Thu, 25 May 95 11:18:23 CDT
Message-Id: <9505251519.AA16031@tepui.cli.com>
From: friedman@gnu.ai.mit.edu (Noah Friedman)
To: chet@po.cwru.edu
Subject: Bash scripts
Reply-To: friedman@gnu.ai.mit.edu
In-Reply-To: <chet@odin.ins.cwru.edu> Thu, 25 May 1995 11:19:59 -0400
References: <9505251519.AA06424.SM@odin.INS.CWRU.Edu>
Date: Thu, 25 May 95 11:18:21 CST

>Hi. I snagged some of your bash functions from your home directory on
>the FSF machines (naughty, I know), and I was wondering if you'd let
>me distribute them with bash-2.0. Thanks.

Sure. I think there's a later copy in
~ftp/friedman/shell-inits/init-4.89.tar.gz. There are also some elisp and
es frobs in that file.

It should serve as a pretty good example of how to get carried away. :-)  

From speecdtt@armory.com  Wed May 10 10:21:11 1995  
Flags: 10  
Return-Path: speecdtt@armory.com  
Received: from po.cwru.edu (root@po.CWRU.Edu [129.22.4.2]) by odin.INS.CWRU.Edu with ESMTP (8.6.10+cwru/CWRU-2.1-ins)  
id KAA22876; Wed, 10 May 1995 10:21:10 -0400 (from speecdtt@armory.com for <chet@odin.INS.CWRU.Edu>)  
Received: from deepthought.armory.com (mmdf@deepthought.armory.com [192.122.209.42]) by po.cwru.edu with SMTP (8.6.10+cwru/CWRU-2.3)  
id BAA16354; Wed, 10 May 1995 01:33:22 -0400 (from speecdtt@armory.com for <chet@po.cwru.edu>)  
From: John DuBois <speecdtt@armory.com>  
Date: Tue, 9 May 1995 22:33:12 -0700  
In-Reply-To: Chet Ramey <chet@odin.ins.cwru.edu>  
   "ksh scripts" (May 9, 1:36pm)  
X-Www: http://www.armory.com/~speecdtt/  
X-Mailer: Mail User's Shell (7.2.5 10/14/92)  
To: chet@po.cwru.edu  
Subject: Re: ksh scripts  
Message-ID: <9505092233.aa13001@deepthought.armory.com>  

Sure. The canonical versions are available on ftp.armory.com; you might want to pick up the latest versions before modifying them.

John

On May 9, 1:36pm, Chet Ramey wrote:

} Subject: ksh scripts  
} From odin.ins.cwru.edu!chet Tue May 9 10:39:51 1995  
} Received: from odin.INS.CWRU.Edu by deepthought.armory.com id aa22336;  
} 9 May 95 10:39 PDT  
} Received: (chet@localhost) by odin.INS.CWRU.Edu (8.6.10+cwru/CWRU-2.1-ins)  
} id NAA20487; Tue, 9 May 1995 13:39:24 -0400 (from chet)  
} Date: Tue, 9 May 1995 13:36:54 -0400  
} From: Chet Ramey <chet@odin.ins.cwru.edu>  
} To: john@armory.com  
} Subject: ksh scripts  
} Cc: chet@odin.ins.cwru.edu  
} Reply-To: chet@po.cwru.edu  
} Message-ID: <9505091736.AA20411.SM@odin.INS.CWRU.Edu>  
} Read-Receipt-To: chet@po.CWRU.Edu  
} MIME-Version: 1.0  
} Content-Type: text/plain; charset=us-ascii  
} Status: OR  
}  
} Hi. I'm the maintainer of bash (the GNU 'Bourne Again shell') for  
} the FSF.
I picked up a tar file of ksh scripts you wrote from an anon FTP site a while back. I'd like your permission to include modified versions of some of them in the next major bash distribution (with proper credit given, of course). Is it OK if I do that?

Chet Ramey

````The lyf so short, the craft so long to lerne." - Chaucer```

Chet Ramey, Case Western Reserve University Internet: chet@po.CWRU.Edu


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From mikel@ora.com Tue Aug  1 12:13:20 1995
Flags: 10
Return-Path: mikel@ora.com
Received: from ruby.ora.com (ruby.ora.com [198.112.208.25]) by odin.INS.CWRU.Ed with ESMTP (8.6.12+cwru/CWRU-2.1-ins)
id MAA01565; Tue, 1 Aug 1995 12:13:18 -0400 (from mikel@ora.com for <chet@odin.INS.CWRU.Edu>)
Received: (from fax@localhost) by ruby.ora.com (8.6.12/8.6.11) with UUCP id MAA23251; Tue, 1 Aug 1995 12:07:51 -0400
Received: by los.ora.com (4.1/Spike-2.1)
id AA00672; Tue, 1 Aug 95 08:57:32 EDT
Date: Tue, 1 Aug 95 08:57:32 EDT
From: mikel@ora.com (Michael Loukides)
Message-Id: <9508011257.AA00672@los.ora.com>
Subject: Re: Ksh debugger from Rosenblatt's book [for bash]
To: Chet Ramey <chet@odin.INS.CWRU.Edu>
Cc: cmarie@ora.com, cam@iinet.com.au, brosenblatt@tm.com
In-Reply-To: Chet Ramey <chet@odin.INS.CWRU.Edu>, Mon, 31 Jul 1995 16:22:48 -0400

I've modified a (modified) version of Bill Rosenblatt's ksh debugger to work with bash-2.0. Does ORA have any problem with me distributing it with bash-2.0?

That's great!

Go ahead and circulate it; in fact, we should probably grab it and stick it in our ftp archive, and put a reference to it in the book. (Too late to actually discuss the thing, at least for this edition).
1.464 go-radix 1.13.1-53.git774336d.el7.centos

1.464.1 Available under license:

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1.465 golang-set 1.7.1

1.465.1 Available under license:

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1.466 python-setuptools 0.9.8 7.el7

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* Arfrever Frehtes Taifersar Arahesis
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1.467 libsepol 2.5 10.el7

1.467.1 Available under license:

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Version 2.1, February 1999

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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.

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

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(XPM - X PixMap format version 2 & 3)
Internet:       lehors@sophia.inria.fr
Surface Mail:       Arnaud LE HORS, INRIA - Sophia Antipolis,
2004, route des Lucioles, 06565 Valbonne Cedex -- FRANCE
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==============================================================================
Kibaale Children's Centre		*kcc* *Kibaale* *charity*

Kibaale Children's Centre (KCC) is located in Kibaale, a small town in the south of Uganda, near Tanzania, in East Africa. The area is known as Rakai District. The population is mostly farmers. Although people are poor, there is enough food. But this district is suffering from AIDS more than any other part of the world. Some say that it started there. Estimations are that 10 to 30% of the Ugandans are infected with HIV. Because parents die, there are many orphans. In this district about 60,000 children have lost one or both parents, out of a population of 350,000. And this is still continuing.

The children need a lot of help. The KCC is working hard to provide the needy with food, medical care and education. Food and medical care to keep them healthy now, and education so that they can take care of themselves in the
future. KCC works on a Christian base, but help is given to children of any religion.

The key to solving the problems in this area is education. This has been neglected in the past years with president Idi Amin and the following civil wars. Now that the government is stable again, the children and parents have to learn how to take care of themselves and how to avoid infections. There is also help for people who are ill and hungry, but the primary goal is to prevent people from getting ill and to teach them how to grow healthy food.

Most of the orphans are living in an extended family. An uncle or older sister is taking care of them. Because these families are big and the income (if any) is low, a child is lucky if it gets healthy food. Clothes, medical care and schooling is beyond its reach. To help these needy children, a sponsorship program was put into place. A child can be financially adopted. For a few dollars a month KCC sees to it that the child gets indispensable items, is healthy, goes to school and KCC takes care of anything else that needs to be done for the child and the family that supports it.

Besides helping the child directly, the environment where the child grows up needs to be improved. KCC helps schools to improve their teaching methods. There is a demonstration school at the centre and teacher trainings are given. Health workers are being trained, hygiene education is carried out and households are stimulated to build a proper latrine. I helped setting up a production site for cement slabs. These are used to build a good latrine. They are sold below cost price.

There is a small clinic at the project, which provides children and their family with medical help. When needed, transport to a hospital is offered. Immunization programs are carried out and help is provided when an epidemic is breaking out (measles and cholera have been a problem).

*donate*

Summer 1994 to summer 1995 I spent a whole year at the centre, working as a volunteer. I have helped to expand the centre and worked in the area of water and sanitation. I learned that the help that the KCC provides really helps. When I came back to Holland, I wanted to continue supporting KCC. To do this I'm raising funds and organizing the sponsorship program. Please consider one of these possibilities:

1. Sponsor a child in primary school: 17 euro a month (or more).
2. Sponsor a child in secondary school: 25 euro a month (or more).
3. Sponsor the clinic: Any amount a month or quarter
4. A one-time donation

Compared with other organizations that do child sponsorship the amounts are very low. This is because the money goes directly to the centre. Less than 5% is used for administration. This is possible because this is a small organization that works with volunteers. If you would like to sponsor a
child, you should have the intention to do this for at least one year.

How do you know that the money will be spent right? First of all you have my personal guarantee as the author of Vim. I trust the people that are working at the centre, I know them personally. Furthermore, the centre has been co-sponsored and inspected by World Vision, Save the Children Fund and is now under the supervision of Pacific Academy Outreach Society. The centre is visited about once a year to check the progress (at our own cost). I have visited the centre myself many times, starting in 1993. The visit reports are on the ICCF web site.

If you have any further questions, send me e-mail: <Bram@vim.org>.

The address of the centre is:
Kibaale Children's Centre
p.o. box 1658
Masaka, Uganda, East Africa

Sending money:*iccf-donations*

Check the ICCF web site for the latest information! See [iccf] for the URL.

USA: The methods mentioned below can be used.
Sending a check to the Nehemiah Group Outreach Society (NGOS) is no longer possible, unfortunately. We are looking for another way to get you an IRS tax receipt.
For sponsoring a child contact KCF in Canada (see below). US checks can be sent to them to lower banking costs.

Canada: Contact Kibaale Children's Fund (KCF) in Surrey, Canada. They take care of the Canadian sponsors for the children in Kibaale. KCF forwards 100% of the money to the project in Uganda. You can send them a one time donation directly.
Please send me a note so that I know what has been donated because of Vim. Ask KCF for information about sponsorship.
Kibaale Children's Fund c/o Pacific Academy
10238-168 Street
Surrey, B.C. V4N 1Z4
Canada
Phone: 604-581-5353
If you make a donation to Kibaale Children's Fund (KCF) you will receive a tax receipt which can be submitted with your tax return.

Holland: Transfer to the account of "Stichting ICCF Holland" in Lisse.
This will allow for tax deduction if you live in Holland.
Postbank, nr. 4548774
Germany: It is possible to make donations that allow for a tax return. Check the ICCF web site for the latest information: http://iccf-holland.org/germany.html

World: Use a postal money order. That should be possible from any country, mostly from the post office. Use this name (which is in my passport): "Abraham Moolenaar". Use Euro for the currency if possible.

Europe: Use a bank transfer if possible. Your bank should have a form that you can use for this. See "Others" below for the swift code and IBAN number. Any other method should work. Ask for information about sponsorship.

Credit Card: You can use PayPal to send money with a Credit card. This is the most widely used Internet based payment system. It's really simple to use. Use this link to find more info:
The e-mail address for sending the money to is:
  Bram@iccf-holland.org
For amounts above 400 Euro ($500) sending a check is preferred.

Others: Transfer to one of these accounts if possible:
  Postbank, account 4548774
  Swift code: INGB NL 2A
  IBAN: NL95 INGB 0004 5487 74
  under the name "stichting ICCF Holland", Lisse
  If that doesn't work:
    Rabobank Lisse, account 3765.05.117
  Swift code: RABO NL 2U
  under the name "Bram Moolenaar", Lisse
Otherwise, send a check in euro or US dollars to the address below. Minimal amount: $70 (my bank does not accept smaller amounts for foreign check, sorry)

Address to send checks to:
Bram Moolenaar
Finsterruetihof 1
8134 Adliswil
Switzerland

This address is expected to be valid for a long time.
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Version 2.1, February 1999

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1.475 python-markupsafe 0.11 10.el7

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*/opt/ws_local/PERMITS_SQL/1071985925_1594967745.13/spring-data-mongodb-2-0-6-release-sources-1-
jar/org/springframework/database/mongodb/core/ReactiveAggregationOperationSupport.java
*/opt/ws_local/PERMITS_SQL/1071985925_1594967745.13/spring-data-mongodb-2-0-6-release-sources-1-
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*/opt/ws_local/PERMITS_SQL/1071985925_1594967745.13/spring-data-mongodb-2-0-6-release-sources-1-
jar/org/springframework/database/mongodb/core/ExecutableFindOperationSupport.java
*/opt/ws_local/PERMITS_SQL/1071985925_1594967745.13/spring-data-mongodb-2-0-6-release-sources-1-
jar/org/springframework/database/mongodb/core/ExecutableRemoveOperationSupport.java
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* /opt/ws_local/PERMITS_SQL/1071985925_1594967745.13/0/spring-data-mongodb-2-0-6-release-sources-1-jar/org/springframework/data/mongodb/core/MongoClientOptionsFactoryBean.java
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* /opt/ws_local/PERMITS_SQL/1071985925_1594967745.13/0/spring-data-mongodb-2-0-6-release-sources-1-jar/org/springframework/data/mongodb/core/geo/GeoJsonMultiPolygon.java

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Found in path(s):
  */opt/ws_local/PERMITS_SQL/1071985925_1594967745.13/0/spring-data-mongodb-2-0-6-release-sources-1-
  jar/org/springframework/data/mongodb/core/index/IndexDirection.java
  */opt/ws_local/PERMITS_SQL/1071985925_1594967745.13/0/spring-data-mongodb-2-0-6-release-sources-1-
  jar/org/springframework/data/mongodb/core/index/CompoundIndexes.java
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1.477 elfutils 0.176 2.el7
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* /opt/ws_local/PERMITS_SQL/1071988705_1594967844.81/0/reactor-netty-0-7-6-release-sources-1-jar/reactor/ipc/netty/http/HttpInfos.java
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* /opt/ws_local/PERMITS_SQL/1071978602_1594967430.59/0/netty-handler-4-1-23-final-sources-1.jar/io/netty/handler/ssl/Java9SslUtils.java
* /opt/ws_local/PERMITS_SQL/1071978602_1594967430.59/0/netty-handler-4-1-23-final-sources-1.jar/io/netty/handler/ssl/ocsp/package-info.java
* /opt/ws_local/PERMITS_SQL/1071978602_1594967430.59/0/netty-handler-4-1-23-final-sources-1.jar/io/netty/handler/ssl/ocsp/OcspClientHandler.java
* /opt/ws_local/PERMITS_SQL/1071978602_1594967430.59/0/netty-handler-4-1-23-final-sources-1.jar/io/netty/handler/ssl/SslCloseCompletionEvent.java
* /opt/ws_local/PERMITS_SQL/1071978602_1594967430.59/0/netty-handler-4-1-23-final-sources-1.jar/io/netty/handler/ssl/OptionalSslHandler.java
* /opt/ws_local/PERMITS_SQL/1071978602_1594967430.59/0/netty-handler-4-1-23-final-sources-1.jar/io/netty/handler/ssl/AbstractSnihandler.java
* /opt/ws_local/PERMITS_SQL/1071978602_1594967430.59/0/netty-handler-4-1-23-final-sources-1.jar/io/netty/handler/ssl/SslCompletionEvent.java
* /opt/ws_local/PERMITS_SQL/1071978602_1594967430.59/0/netty-handler-4-1-23-final-sources-1.jar/io/netty/handler/ssl/ConscryptAlpnSslEngine.java
* /opt/ws_local/PERMITS_SQL/1071978602_1594967430.59/0/netty-handler-4-1-23-final-sources-1.jar/io/netty/handler/ssl/Conscrypt.java
* /opt/ws_local/PERMITS_SQL/1071978602_1594967430.59/0/netty-handler-4-1-23-final-sources-1.jar/io/netty/handler/ssl/Java9SslEngine.java

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* /opt/ws_local/PERMITS_SQL/1071978602_1594967430.59/0/netty-handler-4-1-23-final-sources-1-jar/io/netty/handler/sslcOpenSslSessionTicketKey.java
* /opt/ws_local/PERMITS_SQL/1071978602_1594967430.59/0/netty-handler-4-1-23-final-sources-1-
jar/io/netty/handler/ssl/ApplicationProtocolNegotiationHandler.java
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* /opt/ws_local/PERMITS_SQL/1071978602_1594967430.59/0/netty-handler-4-1-23-final-sources-1-jar/io/netty/handler/ssl/PemValue.java
* /opt/ws_local/PERMITS_SQL/1071978602_1594967430.59/0/netty-handler-4-1-23-final-sources-1.jar/io/netty/handler/ssl/PemX509Certificate.java
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1.486 spring-web 5.0.5.RELEASE

1.487 cast 1.3.2

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Anton Povarov <anton.povarov@gmail.com>
Brian Goff <cpuguy83@gmail.com>
Clayton Coleman <ccoleman@redhat.com>
Denis Smirnov <denis.smirnov.91@gmail.com>
DongYun Kang <ceraml000@gmail.com>
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Aaron Lehmann <aaron.lehmann@docker.com> (github: aaronlehmann)
Lewis Marshall <lewis@flynn.io> (github: lmars)
Jonathan Rudenberg <jonathan@flynn.io> (github: titanous)

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goproperties - properties file decoder for Go

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1.489 antlr-runtime 4.7

1.490 libxdamage 1.1.4 4.1.el7

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1.492 python-jinja 2.7.2 4.el7

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Python was created in the early 1990s by Guido van Rossum at Stichting Mathematisch Centrum (CWI, see http://www.cwi.nl) in the Netherlands as a successor of a language called ABC. Guido remains Python's principal author, although it includes many contributions from others.

In 1995, Guido continued his work on Python at the Corporation for National Research Initiatives (CNRI, see http://www.cnri.reston.va.us) in Reston, Virginia where he released several versions of the software.

In May 2000, Guido and the Python core development team moved to BeOpen.com to form the BeOpen PythonLabs team. In October of the same year, the PythonLabs team moved to Digital Creations, which became Zope Corporation. In 2001, the Python Software Foundation (PSF, see https://www.python.org/psf/) was formed, a non-profit organization created specifically to own Python-related Intellectual Property. Zope Corporation was a sponsoring member of the PSF.

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  analysis/common/src/resources/org/apache/lucene/analysis/hi/stopwords.txt,
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Ajay Joshi <jaj@google.com>
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1.513 glibc 2.17 292.el7

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That's all there is to it!
commit ef7344f09c5ce00eb519ed14598b2a8e39c68387
Author: Joseph Myers <joseph@codesourcery.com>
Date:   Sun Dec 22 14:49:48 2013 +0000

Flatten sysdeps/unix/bsd/bsd4.4 into sysdeps/unix/bsd.

As discussed in
<https://sourceware.org/ml/libc-alpha/2012-04/msg00840.html> and
<https://sourceware.org/ml/libc-alpha/2012-04/msg00989.html>, it seems appropriate to flatten sysdeps/unix/bsd/bsd4.4 into sysdeps/unix/bsd.

The bulk of the patch is just moving files. The only other changes are: update paths in sysdeps/mach/hurd/Implies and sysdeps/unix/sysv/linux/wait3.c; merge the two syscalls.list files, with the removal of syscalls that were in sysdeps/unix/bsd/syscalls.list but overridden in the bsd4.4 directory by .c files there.

Tested x86_64. The installed shared libraries are identical before and after the patch except for libc.so where the move of wait3.c (included by sysdeps/unix/sysv/linux/wait3.c) affects debug info, but the disassembly is unchanged.

* sysdeps/mach/hurd/Implies: Change unix/bsd/bsd4.4 to unix/bsd.
* sysdeps/unix/bsd/syscalls.list (chflags): Add entry from sysdeps/unix/bsd/bsd4.4/syscalls.list.
  (fchflags): Likewise.
  (revoke): Likewise.
  (setlogin): Likewise.
  (sigaltstack): Likewise.
  (wait4): Likewise.
  (sigblock): Remove.
  (sigsetmask): Likewise.
  (wait3): Likewise.
  (waitpid): Likewise.
* sysdeps/unix/bsd/bsd4.4/syscalls.list: Remove file.
* sysdeps/unix/bsd/bsd4.4/Makefile: Move to ...
* sysdeps/unix/bsd/Makefile: ... here.
* sysdeps/unix/bsd/bsd4.4/Versions: Move to ...
* sysdeps/unix/bsd/versions: ... here.
* sysdeps/unix/bsd4.4/bsd4.4/Makefile: Move to ...
* sysdeps/unix/bsd4.4/bsd4.4/sigblock.c: Move to ...
* sysdeps/unix/bsd4.4/cmsg_nxhdr.c: Move to ...
* sysdeps/unix/bsd/cmsg_nxhdr.c: ... here.
* sysdeps/unix/bsd4.4/sigblock.c: Move to ...
* sysdeps/unix/bsd/sigblock.c: ... here.
* sysdeps/unix/bsd4.4/sigsetmask.c: Move to ...
* sysdeps/unix/bsd/sigsetmask.c: ... here.
* sysdeps/unix/bsd4.4/sigvec.c: Move to ...
* sysdeps/unix/bsd/sigvec.c: ... here.
* sysdeps/unix/bsd4.4/tcdrain.c: Move to ...
* sysdeps/unix/bsd/tcdrain.c: ... here.
* sysdeps/unix/bsd4.4/tcgetattr.c: Move to ...
* sysdeps/unix/bsd/tcgetattr.c: ... here.
* sysdeps/unix/bsd4.4/tcsetattr.c: Move to ...
* sysdeps/unix/bsd/tcsetattr.c: ... here.
* sysdeps/unix/bsd4.4/wait.c: Move to ...
* sysdeps/unix/bsd/wait.c: ... here.
* sysdeps/unix/bsd4.4/wait3.c: Move to ...
* sysdeps/unix/bsd/wait3.c: ... here.
* sysdeps/unix/bsd4.4/waitpid.c: Move to ...
* sysdeps/unix/bsd/waitpid.c: ... here.

diff --git a/sysdeps/mach/hurd/Implies b/sysdeps/mach/hurd/Implies
index b6063463ce34f3b7..d2d5234e1fd1522 100644
--- a/sysdeps/mach/hurd/Implies
+++ b/sysdeps/mach/hurd/Implies
@@ -2,4 +2,4 @@
# Hurd-based GNU systems.

# The Hurd provides a rough superset of the functionality of 4.4 BSD.

chg unix/bsd/bsd4.4
+unix/bsd

diff --git a/sysdeps/unix/bsd/bsd4.4/Makefile b/sysdeps/unix/bsd/bsd4.4/Makefile
similarity index 100%
rename from sysdeps/unix/bsd/bsd4.4/Makefile
rename to sysdeps/unix/bsd/bsd4.4/Makefile

diff --git a/sysdeps/unix/bsd/bsd4.4/Versions b/sysdeps/unix/bsd/bsd4.4/Versions
similarity index 100%
rename from sysdeps/unix/bsd/bsd4.4/Versions
rename to sysdeps/unix/bsd/bsd4.4/Versions

diff --git a/sysdeps/unix/bsd/bsd4.4/bits/sockaddr.h b/sysdeps/unix/bsd/bsd4.4/bits/sockaddr.h
similarity index 100%
rename from sysdeps/unix/bsd/bsd4.4/bits/sockaddr.h
rename to sysdeps/unix/bsd/bsd4.4/bits/sockaddr.h

diff --git a/sysdeps/unix/bsd/bsd4.4/syscalls.list b/sysdeps/unix/bsd/bsd4.4/syscalls.list
deleted file mode 100644
index a4d354685424ac61..0000000000000000
--- a/sysdeps/unix/bsd/bsd4.4/syscalls.list
+++ /dev/null
@@ -1,8 +0,0 @@

-# File nameCallerSyscall name# argsStrong nameWeak names
-
-chflags-chflags2chflags
-fchflags-fchflags2fchflags
-revoke-revoke1revoke
-setlogin-setlogin2setlogin
-sigaltstack-sigaltstack2__sigaltstack
-wait4-wait44__wait4wait4

diff --git a/sysdeps/unix/bsd/bsd4.4/cmsg_nxthdr.c b/sysdeps/unix/bsd/cmsg_nxthdr.c
similarity index 100%
rename from sysdeps/unix/bsd/bsd4.4/cmsg_nxthdr.c
rename to sysdeps/unix/bsd/cmsg_nxthdr.c
diff --git a/sysdeps/unix/bsd/bsd4.4/sigblock.c b/sysdeps/unix/bsd/sigblock.c
similarity index 100%
rename from sysdeps/unix/bsd/bsd4.4/sigblock.c
rename to sysdeps/unix/bsd/sigblock.c
diff --git a/sysdeps/unix/bsd/bsd4.4/sigsetmask.c b/sysdeps/unix/bsd/sigsetmask.c
similarity index 100%
rename from sysdeps/unix/bsd/bsd4.4/sigsetmask.c
rename to sysdeps/unix/bsd/sigsetmask.c
diff --git a/sysdeps/unix/bsd/bsd4.4/sigvec.c b/sysdeps/unix/bsd/sigvec.c
similarity index 100%
rename from sysdeps/unix/bsd/bsd4.4/sigvec.c
rename to sysdeps/unix/bsd/sigvec.c
diff --git a/sysdeps/unix/bsd/syscalls.list b/sysdeps/unix/bsd/syscalls.list
index e84819dc1f19d148..9f48a144d475f342 100644
--- a/sysdeps/unix/bsd/syscalls.list
+++ b/sysdeps/unix/bsd/syscalls.list
@@ -1,14 +1,16 @@

+# File nameCallerSyscall name# argsStrong nameWeak names

+chflags-chflags2chflags
+fchflags-fchflags2fchflags
-flock-flock2__flockflock
-getdents-getdirententries4__getdirreentriesgetdirentries
-getdtsz-getdtablesize0__getdtablesizethegetdtablesiz
-getpagesize-getpagesize0__getpagesizegetpagesize
-killpg-killpg2killpg

-sigblock-sigblock1__sigblocks
+revoke-revoke1revoke
+setlogin-setlogin2setlogin
+sigaltstack-sigaltstack2__sigaltstack
+sigpause-sigpause1__sigpauses
-__sigsetmask1__sigsetmask
sigstack-sigstack2sigstack
sigvec-sigvec3__sigvecssigvec
-wait3-wait3__wait3
-waitpid-waitpid3__waitpidwaitpid
+wait4-wait4__wait4

diff --git a/sysdeps/unix/bsd/bsd4.4/tcdrain.c b/sysdeps/unix/bsd/tcdrain.c
similarity index 100%
rename from sysdeps/unix/bsd/bsd4.4/tcdrain.c
rename to sysdeps/unix/bsd/tcdrain.c
diff --git a/sysdeps/unix/bsd/bsd4.4/tcgetattr.c b/sysdeps/unix/bsd/tcgetattr.c
similarity index 100%
rename from sysdeps/unix/bsd/bsd4.4/tcgetattr.c
rename to sysdeps/unix/bsd/tcgetattr.c
diff --git a/sysdeps/unix/bsd/bsd4.4/wait3.c b/sysdeps/unix/bsd/wait3.c
similarity index 100%
rename from sysdeps/unix/bsd/bsd4.4/wait3.c
rename to sysdeps/unix/bsd/wait3.c
diff --git a/sysdeps/unix/bsd/bsd4.4/waitpid.c b/sysdeps/unix/bsd/waitpid.c
similarity index 100%
rename from sysdeps/unix/bsd/bsd4.4/waitpid.c
rename to sysdeps/unix/bsd/waitpid.c
diff --git a/sysdeps/unix/sysv/linux/wait3.c b/sysdeps/unix/sysv/linux/wait3.c
index 0b3bdee771782b7b..2ff027f0e1d83eb2 100644
--- a/sysdeps/unix/sysv/linux/wait3.c
+++ b/sysdeps/unix/sysv/linux/wait3.c
@@ -1 +1 @@
-#include <sysdeps/unix/bsd/bsd4.4/wait3.c>
+##include <sysdeps/unix/bsd/wait3.c>

1.514 etcd-raft 1.13.1-
53.git774336d.el7.centos
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theory
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#
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Theodore Ts'o <tytso@mit.edu> on Fri Dec 14 22:24:35 EST 2007

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

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Theodore Ts'o
23-June-2007

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who commit code to the project are encouraged to add their names here. Please keep the list sorted by first names.

Ajay Joshi <jaj@google.com>
Balzs Dn <balazs.dan@gmail.com>
Bharat Mediratta <bharat@menalto.com>
Chandler Carruth <chandlerc@google.com>
Chris Prince <cprince@google.com>
Chris Taylor <taylorc@google.com>
Dan Egnor <egnor@google.com>
Eric Roman <eroman@chromium.org>
Hady Zalek <hady.zalek@gmail.com>
Jeffrey Yasskin <jyasskin@gmail.com>
Ji Sigursson <joi@google.com>
Keir Mierle <mierle@gmail.com>
Keith Ray <keith ray@gmail.com>
Kenton Varda <kenton@google.com>
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Markus Heule <markus.heule@gmail.com>
Mika Raento <mikie@iki.fi>
Mikls Fazekas <mfazekas@szemafor.com>
Pasi Valminen <pasi.valminen@gmail.com>
Patrick Hanna <phanna@google.com>
Patrick Riley <spfr@google.com>
Peter Kaminski <piotr@google.com>
Preston Jackson <preston.a.jackson@gmail.com>
Rainer Klaffenboeck <rainer.klaffenboeck@dynatrace.com>
Russ Cox <rsc@google.com>
Russ Rufer <russ@pentad.com>
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Sigurur sgeirsson <siggj@google.com>
Tracy Bialik <tracy@pentad.com>
Vadim Berman <vadimb@google.com>
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*/
/**
 * Handles an I/O event or intercepts an I/O operation, and forwards it to its next handler in
 * its { @link ChannelPipeline}.
 *
 * <h3>Sub-types</h3>
 * *
 * [ @link ChannelHandler] itself does not provide many methods, but you usually have to implement one of its
 * subtypes:
 * *
 * <ul>
 * <li>[@link ChannelInboundHandler] to handle inbound I/O events, and</li>
 * <li>[@link ChannelOutboundHandler] to handle outbound I/O operations.</li>
 * </ul>
 * *
 * Alternatively, the following adapter classes are provided for your convenience:
 * *
 * <ul>
 * <li>[@link ChannelInboundHandlerAdapter] to handle inbound I/O events,</li>
 * <li>[@link ChannelOutboundHandlerAdapter] to handle outbound I/O operations, and</li>
 * <li>[@link ChannelDuplexHandler] to handle both inbound and outbound events</li>
 * </ul>
 * *
 * For more information, please refer to the documentation of each subtype.
 *
 * *
 * <h3>The context object</h3>
 * *
 * A [ @link ChannelHandler] is provided with a [ @link ChannelHandlerContext]
 * object. A [ @link ChannelHandler] is supposed to interact with the
 * [ @link ChannelPipeline] it belongs to via a context object. Using the
context object, the \{@link ChannelHandler\} can pass events upstream or
downstream, modify the pipeline dynamically, or store the information
(using \{@link AttributeKey\}s) which is specific to the handler.

<h3>State management</h3>

A \{@link ChannelHandler\} often needs to store some stateful information.
The simplest and recommended approach is to use member variables:

```java
public interface Message {
  // your methods here
}

public class DataServerHandler extends \{@link SimpleChannelInboundHandler\}<Message> {
  private boolean loggedIn;

  @Override
  public void channelRead0(\{@link ChannelHandlerContext\} ctx, Message message) {
    if (message instanceof LoginMessage) {
      authenticate((LoginMessage) message);
      loggedIn = true;
    } else if (message instanceof GetDataMessage) {
      if (loggedIn) {
        ch.write(fetchSecret((GetDataMessage) message));
      } else {
        fail();
      }
    }
  }
}
```

Because the handler instance has a state variable which is dedicated to
one connection, you have to create a new handler instance for each new
channel to avoid a race condition where a unauthenticated client can get
the confidential information:

```java
// Create a new handler instance per channel.
// See \{@link ChannelInitializer#initChannel(Channel)\}.
public class DataServerInitializer extends \{@link ChannelInitializer\}<\{@link Channel\}> {
  @Override
  public void initChannel(\{@link Channel\} channel) {
    channel.pipeline().addLast("handler", new DataServerHandler());
  }
}
```
* Although it's recommended to use member variables to store the state of a handler, for some reason you might not want to create many handler instances. In such a case, you can use `AttributeKey`s which is provided by `ChannelHandlerContext`:

```java
public interface Message {
    // your methods here
}
```

```java
@Sharable
public class DataServerHandler extends SimpleChannelInboundHandler<Message> {
    private final AttributeKey<Boolean> auth = AttributeKey.valueOf("auth");

    @Override
    public void channelRead(ChannelHandlerContext ctx, Message message) {
        Attribute<Boolean> attr = ctx.attr(auth);
        Channel ch = ctx.channel();
        if (message instanceof LoginMessage) {
            authenticate((LoginMessage) o);
            attr.set(true);
        } else if (message instanceof GetDataMessage) {
            if (Boolean.TRUE.equals(attr.get())) {
                ch.write(fetchSecret((GetDataMessage) o));
            } else {
                fail();
            }
        }
    }
    ...
}
```

Now that the state of the handler is attached to the `ChannelHandlerContext`, you can add the same handler instance to different pipelines:

```java
public class DataServerInitializer extends ChannelInitializer<Channel> {
    private static final DataServerHandler SHARED = new DataServerHandler();

    @Override
    public void initChannel(Channel channel) {
        channel.pipeline().addLast("handler", SHARED);
    }
    ...
}
```
The `@Sharable` annotation

In the example above which used an `@link AttributeKey`, you might have noticed the `@code @Sharable` annotation.

If a `@link ChannelHandler` is annotated with the `@code @Sharable` annotation, it means you can create an instance of the handler just once and add it to one or more `@link ChannelPipeline`s multiple times without a race condition.

If this annotation is not specified, you have to create a new handler instance every time you add it to a pipeline because it has unshared state such as member variables.

This annotation is provided for documentation purpose, just like the JCIP annotations.

Additional resources worth reading

Please refer to the `@link ChannelHandler`, and `@link ChannelPipeline` to find out more about inbound and outbound operations, what fundamental differences they have, how they flow in a pipeline, and how to handle the operation in your application.

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jar/io/netty/channel/ChannelDuplexHandler.java
* /opt/ws_local/PERMITS_SQL/1071983026_1594967929.17/0/netty-transport-4.1-23-final-sources-1-
jar/io/netty/channel/ChannelFutureListener.java
* /opt/ws_local/PERMITS_SQL/1071983026_1594967929.17/0/netty-transport-4.1-23-final-sources-1-
jar/io/netty/channel/ChannelPromiseAggregator.java
* /opt/ws_local/PERMITS_SQL/1071983026_1594967929.17/0/netty-transport-4.1-23-final-sources-1-
jar/io/netty/channel/FailedChannelFuture.java
* /opt/ws_local/PERMITS_SQL/1071983026_1594967929.17/0/netty-transport-4.1-23-final-sources-1-
jar/io/netty/channel/ChannelHandlerContext.java
* /opt/ws_local/PERMITS_SQL/1071983026_1594967929.17/0/netty-transport-4.1-23-final-sources-1-
jar/io/netty/channel/socket/DefaultDatagramChannelConfig.java
* /opt/ws_local/PERMITS_SQL/1071983026_1594967929.17/0/netty-transport-4.1-23-final-sources-1-
jar/io/netty/channel/ChannelInitializer.java
* /opt/ws_local/PERMITS_SQL/1071983026_1594967929.17/0/netty-transport-4.1-23-final-sources-1-
jar/io/netty/channel/socket/InternetProtocolFamily.java
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* /opt/ws_local/PERMITS_SQL/1071983026_1594967929.17/0/netty-transport-4-1-23-final-sources-1-jar/io/netty/channel/Channel.java
* /opt/ws_local/PERMITS_SQL/1071983026_1594967929.17/0/netty-transport-4-1-23-final-sources-1-jar/io/netty/channel/ChannelOutboundHandler.java
* /opt/ws_local/PERMITS_SQL/1071983026_1594967929.17/0/netty-transport-4-1-23-final-sources-1-jar/io/netty/channel/local/LocalChannel.java
* /opt/ws_local/PERMITS_SQL/1071983026_1594967929.17/0/netty-transport-4-1-23-final-sources-1-jar/io/netty/channel/ChannelOutboundHandlerAdapter.java
* /opt/ws_local/PERMITS_SQL/1071983026_1594967929.17/0/netty-transport-4-1-23-final-sources-1-jar/io/netty/channel/socket/DatagramChannelConfig.java
* /opt/ws_local/PERMITS_SQL/1071983026_1594967929.17/0/netty-transport-4-1-23-final-sources-1-jar/io/netty/channel/socket/nio/NioDatagramChannelConfig.java
* /opt/ws_local/PERMITS_SQL/1071983026_1594967929.17/0/netty-transport-4-1-23-final-sources-1-jar/io/netty/channel/socket/ChannelInputShutdownEvent.java
* /opt/ws_local/PERMITS_SQL/1071983026_1594967929.17/0/netty-transport-4-1-23-final-sources-1-jar/io/netty/channel/socket/DatagramChannel.java
* /opt/ws_local/PERMITS_SQL/1071983026_1594967929.17/0/netty-transport-4-1-23-final-sources-1-jar/io/netty/channel/MultithreadEventLoopGroup.java
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* /opt/ws_local/PERMITS_SQL/1071983026_1594967929.17/0/netty-transport-4-1-23-final-sources-1-jar/io/netty/channel/socket/oio/DefaultOioDatagramChannelConfig.java
* /opt/ws_local/PERMITS_SQL/1071983026_1594967929.17/0/netty-transport-4-1-23-final-sources-1-jar/io/netty/channel/socket/ChannelOutputShutdownException.java
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* /opt/ws_local/PERMITS_SQL/1071983026_1594967929.17/0/netty-transport-4-1-23-final-sources-1-jar/io/netty/channel/nio/SelectedSelectionKeySetSelector.java
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* /opt/ws_local/PERMITS_SQL/1071983026_1594967929.17/0/netty-transport-4-1-23-final-sources-1-jar/io.netty/channel/ChannelOutboundInvoker.java
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* /opt/ws_local/PERMITS_SQL/1071983026_1594967929.17/0/netty-transport-4-1-23-final-sources-1-jar/io.netty/channel/ConnectTimeoutException.java
* /opt/ws_local/PERMITS_SQL/1071983026_1594967929.17/0/netty-transport-4-1-23-final-sources-1-jar/io.netty/channel/DefaultMessageSizeEstimator.java
* /opt/ws_local/PERMITS_SQL/1071983026_1594967929.17/0/netty-transport-4-1-23-final-sources-1-jar/io.netty/channel/ChannelProgressiveFuture.java
* /opt/ws_local/PERMITS_SQL/1071983026_1594967929.17/0/netty-transport-4-1-23-final-sources-1-jar/io.netty/channel/socket/oio/DefaultOioServerSocketChannelConfig.java
* /opt/ws_local/PERMITS_SQL/1071983026_1594967929.17/0/netty-transport-4-1-23-final-sources-1-jar/io.netty/channel/socket/oio/DefaultOioSocketChannelConfig.java
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1.527 metrics 3.2.2

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Protocol Buffers for Go with Gadgets

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Bits of Go-lang's `once.Do()` were cribbed and reused here, too.

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Gocheck - A rich testing framework for Go

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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
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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
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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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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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(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
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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
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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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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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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.)

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

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1.546 tomcat-embed-el 8.5.29

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1.553 python-jsonpointer 1.9 2.el7

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1.556 java-object-diff 0.94

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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
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  jar/org/springframework/boot/loader/thin/LogUtils.java
* /opt/ws_local/PERMITS_SQL/1071984311_1594967916.39/0/spring-boot-thin-launcher-1-0-21-release-sources-
  jar/org/springframework/boot/loader/thin/UrlArchive.java
* /opt/ws_local/PERMITS_SQL/1071984311_1594967916.39/0/spring-boot-thin-launcher-1-0-21-release-sources-
  jar/org/springframework/boot/loader/thin/PathResolver.java
* /opt/ws_local/PERMITS_SQL/1071984311_1594967916.39/0/spring-boot-thin-launcher-1-0-21-release-sources-
  jar/org/springframework/boot/loader/thin/ArchiveUtils.java
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* /opt/ws_local/PERMITS_SQL/1071984311_1594967916.39/0/spring-boot-thin-launcher-1-0-21-release-sources-jar/org/springframework/boot/loader/thin/MavenSettingsReader.java

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1.567 xpp3-min 1.1.4c

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About XmlPull API

It is a minimalist API: very easy to implement standalone or on top of existing parser. The API allows both fast high level iteration (using next() method) and low level tokenizing (using nextToken() token) and is designed for easy building on top of it SAX, XML pull parsers that uses iterators with event objects, or even DOM implementations. To to support J2ME and real small implementation parsing of DOCDECL is optional (but DOCDECL can be reported if requested).

The aim is to provide a similar but orthogonal pull parsing basis to widely successful push parsing SAX API. The XmlPull API is in public domain in hope that it will be embraced by Java developers (conformance tests are under LGPL license to minimize risk of incompatible implementations).

1.568 rxjava 1.2.0

1.569 apex-api 3.4.0
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  jar/reactor/core/publisher/RingBuffer.java

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* /opt/ws_local/PERMITS_SQL/1071976430_1594967933.21/0/reactor-core-3-1-6-release-sources-1-jar/reactor/core/publisher/BlockingOptionalMonoSubscriber.java
* /opt/ws_local/PERMITS_SQL/1071976430_1594967933.21/0/reactor-core-3-1-6-release-sources-1-jar/reactor/core/publisher/MonoSingleMono.java
* /opt/ws_local/PERMITS_SQL/1071976430_1594967933.21/0/reactor-core-3-1-6-release-sources-1-jar/reactor/core/publisher/FluxExpand.java
* /opt/ws_local/PERMITS_SQL/1071976430_1594967933.21/0/reactor-core-3-1-6-release-sources-1-jar/reactor/core/publisher/MonoElementAt.java
* /opt/ws_local/PERMITS_SQL/1071976430_1594967933.21/0/reactor-core-3-1-6-release-sources-1-jar/reactor/core/publisher/FluxGroupBy.java
* /opt/ws_local/PERMITS_SQL/1071976430_1594967933.21/0/reactor-core-3-1-6-release-sources-1-jar/reactor/core/publisher/MonoSubscribeOn.java
* /opt/ws_local/PERMITS_SQL/1071976430_1594967933.21/0/reactor-core-3-1-6-release-sources-1-jar/reactor/core/package-info.java
* /opt/ws_local/PERMITS_SQL/1071976430_1594967933.21/0/reactor-core-3-1-6-release-sources-1-
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jar/reactor/core/publisher/FluxRetryWhen.java
* /opt/ws_local/PERMITS_SQL/1071976430_1594967933.21/0/reactor-core-3-1-6-release-sources-1-
jar/reactor/core/publisher/FluxNever.java
* /opt/ws_local/PERMITS_SQL/1071976430_1594967933.21/0/reactor-core-3-1-6-release-sources-1-
jar/reactor/core/publisher/MonoSourceFuseable.java
* /opt/ws_local/PERMITS_SQL/1071976430_1594967933.21/0/reactor-core-3-1-6-release-sources-1-
jar/reactor/core/publisher/MonoCallableOnAssembly.java
* /opt/ws_local/PERMITS_SQL/1071976430_1594967933.21/0/reactor-core-3-1-6-release-sources-1-
jar/reactor/core/publisher/Operators.java
* /opt/ws_local/PERMITS_SQL/1071976430_1594967933.21/0/reactor-core-3-1-6-release-sources-1-
jar/reactor/core/publisher/ParallelFluxHide.java
* /opt/ws_local/PERMITS_SQL/1071976430_1594967933.21/0/reactor-core-3-1-6-release-sources-1-
jar/reactor/util/context/Context0.java
* /opt/ws_local/PERMITS_SQL/1071976430_1594967933.21/0/reactor-core-3-1-6-release-sources-1-
jar/reactor/core/publisher/EventLoopProcessor.java
* /opt/ws_local/PERMITS_SQL/1071976430_1594967933.21/0/reactor-core-3-1-6-release-sources-1-
jar/reactor/core/publisher/BlockingIterable.java
* /opt/ws_local/PERMITS_SQL/1071976430_1594967933.21/0/reactor-core-3-1-6-release-sources-1-
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* /opt/ws_local/PERMITS_SQL/1071976430_1594967933.21/0/reactor-core-3-1-6-release-sources-1-
jar/reactor/core/publisher/MonoFilterFuseable.java
* /opt/ws_local/PERMITS_SQL/1071976430_1594967933.21/0/reactor-core-3-1-6-release-sources-1-
jar/reactor/core/publisher/MonoLogFuseable.java
* /opt/ws_local/PERMITS_SQL/1071976430_1594967933.21/0/reactor-core-3-1-6-release-sources-1-
jar/reactor/util/function/Tuple6.java
* /opt/ws_local/PERMITS_SQL/1071976430_1594967933.21/0/reactor-core-3-1-6-release-sources-1-
jar/reactor/core/publisher/MonoCount.java
* /opt/ws_local/PERMITS_SQL/1071976430_1594967933.21/0/reactor-core-3-1-6-release-sources-1-
jar/reactor/core/publisher/FluxPublishMulticast.java
* /opt/ws_local/PERMITS_SQL/1071976430_1594967933.21/0/reactor-core-3-1-6-release-sources-1-
jar/reactor/util/concurrent/Queues.java
* /opt/ws_local/PERMITS_SQL/1071976430_1594967933.21/0/reactor-core-3-1-6-release-sources-1-
jar/reactor/core/publisher/MonoMaterialize.java
* /opt/ws_local/PERMITS_SQL/1071976430_1594967933.21/0/reactor-core-3-1-6-release-sources-1-
jar/reactor/core/publisher/MonoFromFluxOperator.java
* /opt/ws_local/PERMITS_SQL/1071976430_1594967933.21/0/reactor-core-3-1-6-release-sources-1-
jar/reactor/core/scheduler/PeriodicWorkerTask.java
* /opt/ws_local/PERMITS_SQL/1071976430_1594967933.21/0/reactor-core-3-1-6-release-sources-1-
jar/reactor/core/publisher/FluxUsing.java
* /opt/ws_local/PERMITS_SQL/1071976430_1594967933.21/0/reactor-core-3-1-6-release-sources-1-
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* /opt/ws_local/PERMITS_SQL/1071976430_1594967933.21/0/reactor-core-3-1-6-release-sources-1-
jar/reactor/core/publisher/Disposable.java
* /opt/ws_local/PERMITS_SQL/1071976430_1594967933.21/0/reactor-core-3-1-6-release-sources-1-
jar/reactor/core/publisher/FluxOnBackpressureBufferStrategy.java
* /opt/ws_local/PERMITS_SQL/1071976430_1594967933.21/0/reactor-core-3-1-6-release-sources-1-
jar/reactor/core/CoreSubscriber.java
* /opt/ws_local/PERMITS_SQL/1071976430_1594967933.21/0/reactor-core-3-1-6-release-sources-1-
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 * jar/reactor/core/publisher/MonoCreate.java
 */
 * /opt/ws_local/PERMITS_SQL/1071976430_1594967933.21/0/reactor-core-3-1-6-release-sources-1-
 * jar/reactor/core/publisher/MonoZip.java
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 * /opt/ws_local/PERMITS_SQL/1071976430_1594967933.21/0/reactor-core-3-1-6-release-sources-1-
 * jar/reactor/core/publisher/MonoWhen.java
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 * /opt/ws_local/PERMITS_SQL/1071976430_1594967933.21/0/reactor-core-3-1-6-release-sources-1-
 * jar/reactor/core/publisher/Flux.java
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 */
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* /opt/ws_local/PERMITS_SQL/1071976430_1594967933.21/0/reactor-core-3-1-6-release-sources-1-
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* /opt/ws_local/PERMITS_SQL/1071976430_1594967933.21/0/reactor-core-3-1-6-release-sources-1-
  jar/reactor/core/publisher/MonoDoOnEach.java
* /opt/ws_local/PERMITS_SQL/1071976430_1594967933.21/0/reactor-core-3-1-6-release-sources-1-
  jar/reactor/core/publisher/QueueDrainSubscriber.java

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* /opt/ws_local/PERMITS_SQL/1071976430_1594967933.21/0/reactor-core-3-1-6-release-sources-1-
  jar/reactor/core/scheduler/ReactorThreadFactory.java
* /opt/ws_local/PERMITS_SQL/1071976430_1594967933.21/0/reactor-core-3-1-6-release-sources-1-
  jar/reactor/core/scheduler/NonBlocking.java
* /opt/ws_local/PERMITS_SQL/1071976430_1594967933.21/0/reactor-core-3-1-6-release-sources-1-
  jar/reactor/core/publisher/ParallelMergeOrdered.java
* /opt/ws_local/PERMITS_SQL/1071976430_1594967933.21/0/reactor-core-3-1-6-release-sources-1-
  jar/reactor/core/publisher/MonoDoOnEach.java
* /opt/ws_local/PERMITS_SQL/1071976430_1594967933.21/0/reactor-core-3-1-6-release-sources-1-
  jar/reactor/core/publisher/QueueDrainSubscriber.java

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* /opt/ws_local/PERMITS_SQL/1071976430_1594967933.21/0/reactor-core-3-1-6-release-sources-1-jar/reactor/util/context/Context5.java
* /opt/ws_local/PERMITS_SQL/1071976430_1594967933.21/0/reactor-core-3-1-6-release-sources-1-jar/reactor/util/context/Context4.java
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* /opt/ws_local/PERMITS_SQL/1071976430_1594967933.21/0/reactor-core-3-1-6-release-sources-1-jar/reactor/core/publisher/FluxIndexFuseable.java
* /opt/ws_local/PERMITS_SQL/1071976430_1594967933.21/0/reactor-core-3-1-6-release-sources-1-jar/reactor/util/context/Context3.java

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- Wichert Akkerman, 2012/02/02

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

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This package contains a modified version of ca-bundle.crt:

ca-bundle.crt -- Bundle of CA Root Certificates

Certificate data from Mozilla as of: Thu Nov  3 19:04:19 2011#
This is a bundle of X.509 certificates of public Certificate Authorities (CA). These were automatically extracted from Mozilla's root certificates file (certdata.txt). This file can be found in the mozilla source tree:
It contains the certificates in PEM format and therefore can be directly used with curl / libcurl / php_curl, or with an Apache+mod_ssl webserver for SSL client authentication. Just configure this file as the SSLCACertificateFile.
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A. HISTORY OF THE SOFTWARE

Python was created in the early 1990s by Guido van Rossum at Stichting Mathematisch Centrum (CWI, see http://www.cwi.nl) in the Netherlands as a successor of a language called ABC. Guido remains Python's principal author, although it includes many contributions from others.

In 1995, Guido continued his work on Python at the Corporation for National Research Initiatives (CNRI, see http://www.cnri.reston.va.us) in Reston, Virginia where he released several versions of the software.

In May 2000, Guido and the Python core development team moved to BeOpen.com to form the BeOpen PythonLabs team. In October of the same year, the PythonLabs team moved to Digital Creations (now Zope Corporation, see http://www.zope.com). In 2001, the Python Software Foundation (PSF, see http://www.python.org/psf/) was formed, a non-profit organization created specifically to own Python-related Intellectual Property. Zope Corporation is a sponsoring member of the PSF.
All Python releases are Open Source (see http://www.opensource.org for the Open Source Definition). Historically, most, but not all, Python releases have also been GPL-compatible; the table below summarizes the various releases.

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In 1995, Guido continued his work on Python at the Corporation for National Research Initiatives (CNRI, see http://www.cnri.reston.va.us) in Reston, Virginia where he released several versions of the software.

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Version 2.1, February 1999

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

That's all there is to it!
A. HISTORY OF THE SOFTWARE

Python was created in the early 1990s by Guido van Rossum at Stichting Mathematisch Centrum (CWI, see http://www.cwi.nl) in the Netherlands as a successor of a language called ABC. Guido remains Python's principal author, although it includes many contributions from others.

In 1995, Guido continued his work on Python at the Corporation for National Research Initiatives (CNRI, see http://www.cnri.reston.va.us)
in Reston, Virginia where he released several versions of the software.

In May 2000, Guido and the Python core development team moved to BeOpen.com to form the BeOpen PythonLabs team. In October of the same year, the PythonLabs team moved to Digital Creations (now Zope Corporation, see http://www.zope.com). In 2001, the Python Software Foundation (PSF, see http://www.python.org/psf/) was formed, a non-profit organization created specifically to own Python-related Intellectual Property. Zope Corporation is a sponsoring member of the PSF.

All Python releases are Open Source (see http://www.opensource.org for the Open Source Definition). Historically, most, but not all, Python releases have also been GPL-compatible; the table below summarizes the various releases.

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Footnotes:

(1) GPL-compatible doesn't mean that we're distributing Python under the GPL. All Python licenses, unlike the GPL, let you distribute a modified version without making your changes open source. The GPL-compatible licenses make it possible to combine Python with other software that is released under the GPL; the others don't.

(2) According to Richard Stallman, 1.6.1 is not GPL-compatible, because its license has a choice of law clause. According to CNRI, however, Stallman's lawyer has told CNRI's lawyer that 1.6.1 is "not incompatible" with the GPL.

Thanks to the many outside volunteers who have worked under Guido's direction to make these releases possible.

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

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1.579 rx-netty-contexts 0.4.9

1.580 libxml 2.9.10-3.el7_7.0atomix1

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1.588 python-ipy 0.75 6.el7

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1.596 spring-boot-starter 2.0.1.RELEASE

1.597 libnl3 1.1.4-3.el7

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1.599 plexus-sec-dispatcher 1.3

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  jar/org/springframework/kafka/test/utils/KafkaTestUtils.java
* /opt/ws_local/PERMITS_SQL/1071974334_1594967644.28/0/spring-kafka-test-2-1-6-release-sources-1-
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* /opt/ws_local/PERMITS_SQL/1071974334_1594967644.28/0/spring-kafka-test-2-1-6-release-sources-1-
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Protocol Buffers for Go with Gadgets

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1.610 hk2-api 2.5.0-b32

1.611 jackson 2.8.11

1.611.1 Available under license :

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1.612 spring-websocket 5.0.5.RELEASE

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Authors:

Vyacheslav Trushkin
Boian Bonev

Distributor:

Tomas Matejicek
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* configure.ac, Makefile.am: The original versions were derived from the ones in the XML Catalog Manager project, version 2.2.

Author: Julio Merino <jmmv@users.sourceforge.net>

* atf-c/ui.c: The format_paragraph and format_text functions were derived from the ones in the Monotone project, revision 3a0982da308228d796df35f98d787c5cff2bb5b6.

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* atf-c++/detail/io.hpp, atf-c++/detail/io.cpp, atf-c++/detail/io_test.cpp: These files were derived from the file_handle, systembuf, pipe and pistream classes and tests found in the Boost.Process library.

Author: Julio Merino <jmmv84@gmail.com>

* admin/check-style.sh, admin/check-style-common.awk, admin/check-style-cpp.awk, admin/check-style-shell.awk: These files, except the first one, were first implemented in the Buildtool project. They were later adapted to be part of Boost.Process and, during that process, the shell script was created.

Author: Julio Merino <jmmv84@gmail.com>

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<xsl:template name="isc.copyright.format">
  <xsl:param name="text"/>
  <xsl:value-of select="normalize-space(substring-before($text, '&#10;'))"/>
  <xsl:text>&#10;</xsl:text>
  <xsl:variable name="rest" select="substring-after($text, '&#10;')"/>
  <xsl:if test="translate($rest, '&#9;&#32;', '')">

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The development of Dynamically Loadable Zones (DLZ) for Bind 9 was conceived and contributed by Rob Butler.

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1.634 dexxx-collections 0.2
1.635 spring-security-rsa 1.0.5.RELEASE

1.636 zlib 1.2.11

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/* zlib.h -- interface of the 'zlib' general purpose compression library version 1.2.11, January 15th, 2017

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<html xmlns="http://www.w3.org/1999/xhtml" xml:lang="en" lang="en">
<head>
<link rel="stylesheet" type="text/css" href="styles.css" />
<title>uthash: a hash table for C structures</title>
</head>
<body>
<div id="banner">
<img src="banner.png" alt="uthash: a hash table for C structures" />
</div> <!-- banner -->

<div id="topnav">
<a href="http://troydhanson.github.com/uthash/">uthash home</a> > BSD license
</div>

<hr />
<div id="mid">
<div id="main">
<pre>
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</pre>
</div> <!-- mid -->
</div> <!-- main -->
<hr />
<div id="footer">
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The End

1.640 maven-settings 3.6.3

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From network_io/unix/inet_ntop.c, network_io/unix/inet_ntop.c:

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From dso/aix/dso.c:

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From strings/apr_strnatcmp.c, include/apr_strings.h:

strnatcmp.c -- Perform 'natural order' comparisons of strings in C.
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From strings/apr_snprintf.c:

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1.668 nio-multipart-parser 1.1.0

1.669 prometheus-client 5.1.2

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1.670 spring-boot-admin-server-cloud 2.0.2

1.671 afero 1.1.0-0g6364489
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1.672 pyliblzma 0.5.3-11.el7

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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.

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, while the latter only works together with the library.

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"Source code" for a work means the preferred form of the work for making modifications to it. For a library, complete source code means all the source code for all modules it contains, plus any associated
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   b) You must cause the files modified to carry prominent notices stating that you changed the files and the date of any change.

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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.)

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

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

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

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To do so, attach the following notices to the program. It is safest to attach them to the start of each source file to most effectively convey the exclusion of warranty; and each file should have at least the "copyright" line and a pointer to where the full notice is found.

<one line to give the program's name and a brief idea of what it does.>
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"Source code" for a work means the preferred form of the work for
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application. Therefore, Subsection 2d requires that any
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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.

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From: dann frazier <dann.frazier@canonical.com>
Date: Thu, 21 May 2015 10:28:48 -0600
Subject: [PATCH] arm64/setjmp: Add missing license macro

Including the setjmp module in an arm64-efi image will cause it to immediately exit with an "incompatible license” error.

The source file includes a GPLv3+ boilerplate, so fix this by declaring a GPLv3+ license using the GRUB_MOD_LICENSE macro.

Signed-off-by: dann frazier <dann.frazier@canonical.com>
---
grub-core/lib/arm64/setjmp.S | 2 ++
1 file changed, 2 insertions(+)

diff --git a/grub-core/lib/arm64/setjmp.S b/grub-core/lib/arm64/setjmp.S
index adaafe40f71..eabfd99b296 100644
--- a/grub-core/lib/arm64/setjmp.S
+++ b/grub-core/lib/arm64/setjmp.S
@@ -17,8 +17,10 @@
 /*
    #include <grub/symbol.h>
 +#include <grub/dl.h>
 
 .file"setjmp.S"
 +GRUB_MOD_LICENSE "GPLv3+"
 .text

 /*
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Version 3, 29 June 2007

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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.

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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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From: Stephane Rochoy <sheda>
Date: Sun, 22 Jun 2014 01:35:52 +0200
Subject: [PATCH] * grub-core/loader/i386/bsd.c (grub_netbsd_boot): Pass pointer to EFI system table.
if (err)
    return err;

+#ifdef GRUB_MACHINE_EFI
+  err = grub_bsd_add_meta (NETBSD_BTINFO_EFI,
+    &grub_efi_system_table,
+    sizeof (grub_efi_system_table));
+  if (err)
+    return err;
+#endif

{
  struct bsd_tag *tag;
  tag_buf_len = 0;

diff --git a/include/grub/i386/netbsd_bootinfo.h b/include/grub/i386/netbsd_bootinfo.h
index e48c19b4089..9b4f4604103 100644
--- a/include/grub/i386/netbsd_bootinfo.h
+++ b/include/grub/i386/netbsd_bootinfo.h
@@ -58,6 +58,8 @@
#define NETBSD_BTINFO_BOOTWEDGE		10
#define NETBSD_BTINFO_MODULES		11
#define NETBSD_BTINFO_FRAMEBUF		12
+#define NETBSD_BTINFO_USERCONFCOMMANDS  13
+#define NETBSD_BTINFO_EFI	        14

struct grub_netbsd_bootinfo
{
  @ @ -146,4 +148,9 @@ struct grub_netbsd_btinfo_framebuf

#define GRUB_NETBSD_MAX_ROOTDEVICE_LEN 16

+struct grub_netbsd_btinfo_efi
+{
+  void *pa_systbl; /* Physical address of the EFI System Table */
+  };
+
+#endif

diff --git a/ChangeLog b/ChangeLog
index abf8f4b2716..0cdd095a498 100644
--- a/ChangeLog
+++ b/ChangeLog
@@ -1,3 +1,8 @@
+2014-06-21 Stephane Rochoy <sheda>
+
+2014-06-21 Stephane Rochoy <sheda>
---
grub-core/commands/cacheinfo.c | 2 ++
1 file changed, 2 insertions(+)

diff --git a/grub-core/commands/cacheinfo.c b/grub-core/commands/cacheinfo.c
index ead6ff82cfc..d34a346964c 100644
--- a/grub-core/commands/cacheinfo.c
+++ b/grub-core/commands/cacheinfo.c
@@ -23,6 +23,8 @@
#include <grub/i18n.h>
#include <grub/disk.h>

+GRUB_MOD_LICENSE ("GPLv3+”);
+
static grub_err_t
grub_rescue_cmd_info (struct grub_command *cmd __attribute__ ((unused)),
int argc __attribute__ ((unused)),
1.691 lucene-highlighter 7.5.0
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The snowball stemmers in
   analysis/common/src/java/net/sf/snowball
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The full snowball package is available from http://snowball.tartarus.org/

The KStem stemmer in
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   analysis/common/src/resources/org/apache/lucene/analysis/fa/stopwords.txt,
   analysis/common/src/resources/org/apache/lucene/analysis/ro/stopwords.txt,
   analysis/common/src/resources/org/apache/lucene/analysis/bg/stopwords.txt,
   analysis/common/src/resources/org/apache/lucene/analysis/hi/stopwords.txt,
   analysis/common/src/resources/org/apache/lucene/analysis/bn/stopwords.txt

The German,Spanish,Finnish,French,Hungarian,Italian,Portuguese,Russian and Swedish light stemmers (common) are based on BSD-licensed reference implementations created by Jacques Savoy and Ljiljana Dolamic. These files reside in:
   analysis/common/src/java/org/apache/lucene/analysis/de/GermanLightStemmer.java
   analysis/common/src/java/org/apache/lucene/analysis/de/GermanMinimalStemmer.java
   analysis/common/src/java/org/apache/lucene/analysis/es/SpanishLightStemmer.java
The Stempel analyzer (stempel) includes BSD-licensed software developed by the Egothor project http://egothor.sf.net/, created by Leo Galambos, Martin Kvapil, and Edmond Nolan.

The Polish analyzer (stempel) comes with a default stopword list that is BSD-licensed created by the Carrot2 project. The file resides in stempel/src/resources/org/apache/lucene/analysis/pl/stopwords.txt. See http://project.carrot2.org/license.html.

The SmartChineseAnalyzer source code (smartcn) was provided by Xiaoping Gao and copyright 2009 by www.imdict.net.

WordBreakTestUnicode_*.java (under modules/analysis/common/src/test/) is derived from Unicode data such as the Unicode Character Database. See http://unicode.org/copyright.html for more details.

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===========================================================================
Kuromoji Japanese Morphological Analyzer - Apache Lucene Integration
===========================================================================

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mecab-ipadic-2.7.0-20070801

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which can be obtained from

https://bitbucket.org/eunjeon/mecab-ko-dic/downloads/mecab-ko-dic-2.0.3-20170922.tar.gz

1.692 archaius-core 0.7.6
1.692.1 Available under license :
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1.693 libjpeg-turbo 1.2.90 8.el7

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

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Serious users of this software (particularly those incorporating it into larger programs) should contact IJG at jpeg-info@uunet.uu.net to be added to our electronic mailing list. Mailing list members are notified of updates and have a chance to participate in technical discussions, etc.

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.

IJG is not affiliated with the official ISO JPEG standards committee.

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.
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 "cjpeg" and "djpeg", 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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that you must include source code if you redistribute it. (See the file
ansi2knr.c for full details.) However, since ansi2knr.c is not needed as part
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,
ltconfig, 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.

We are required to state that
"The Graphics Interchange Format(c) is the Copyright property of CompuServe Incorporated. GIF(sm) is a Service Mark property of CompuServe Incorporated."

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 official copy, we recommend buying the Pennebaker and Mitchell book instead; it's much cheaper and includes a great deal of useful explanatory material.) 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:

Literature Department
C-Cube Microsystems, Inc.
1778 McCarthy Blvd.
Milpitas, CA 95035
phone (408) 944-6300, fax (408) 944-6314
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/.

ARCHIVE LOCATIONS
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The "official" archive site for this software is ftp.uu.net (Internet address 192.48.96.9). The most recent released version can always be found there in directory graphics/jpeg. This particular version will be archived as ftp://ftp.uu.net/graphics/jpeg/jpegsrc.v6b.tar.gz. If you don't have direct Internet access, UUNET's archives are also available via UUCP; contact help@uunet.uu.net for information on retrieving files that way.

Numerous Internet sites maintain copies of the UUNET files. However, only ftp.uu.net is guaranteed to have the latest official version.

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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send usenet/news.answers/jpeg-faq/part2

RELATED SOFTWARE
================

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 PBMPLUS 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 PBMPLUS/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.

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1.694 libfabric 1.7.0-1.el7

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1.696 bouncycastle-fips 1.0.2

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1.702 grep 2.20 3.el7

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There are currently two explicit copyrights on portions of UnZip code (at least, of which Info-ZIP is aware): Jim Luther's Mac OS File Manager interface code; and Christopher Evans' MacBinaryIII coding code (for the MacOS port). These copyrights are discussed in more detail below.

All remaining code is now (starting with UnZip version 5.41) covered by the new Info-ZIP license. For details, please read the accompanying file LICENSE. The terms and conditions in this license supersede the copyright conditions of the contributions by Igor Mandrichenko (vms/vms.c), Greg Roelofs (zipinfo.c, new version of unshrink.c), Mike White (Windows DLL code in "windll/*"), Steve P. Miller (Pocket UnZip GUI "wince/*"), and Mark Adler (inflate/explode decompression core routines, previously put into the public domain). All these Info-ZIP contributors (or "primary" authors) have permitted us to replace their copyright notes by the Info-ZIP License.

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point is unclear, unshrinking is not enabled by default. It is the responsibility of the user to make his or her peace with Unisys and its licensing requirements. (unshrink.c may be removed from future releases altogether.)

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. The drop of the reduce method should only affect some test archives, reducing was never used in any publically distributed Zip program. For pathologic cases where support for reduced archive entries is needed, the unreduce code copyrighted by Samuel H. Smith is available as a separate distribution (the restricted copyright of this code is cited below in the "historical" section).

The following copyright applies to the Mac OS File Manager interface code (macos/source/macstuff.[ch]), distributed with UnZip 5.4 and later:

* MoreFiles
* 
* A collection of File Manager and related routines
* 
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* with significant code contributions by Nitin Ganatra
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* 
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____________________________________________________________

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Regarding the first stipulation, Mr. Smith was tracked down in southern
California some years back [Samuel H. Smith, The Tool Shop; as of mid-
May 1994, (213) 851-9969 (voice), (213) 887-2127(?) (subscription BBS),
71150.2731@compuserve.com]:

"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."

Despite the fact that our "normal" code has been entirely rewritten and by default no longer contains any of Mr. Smith's code, Info-ZIP remains indebted and grateful to him. We hope he finds our contributions as useful as we have his.

Note that the third and fourth stipulations still apply to any company that wishes to incorporate the unreduce code into its products; if you wish to do so, you must contact Mr. Smith directly regarding licensing.

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Licensed under the Apache License, Version 2.0 (the "License");
you may not use this file except in compliance with the License.
You may obtain a copy of the License at
Open Source Used In NAE (5.1) Glacier Ridge (version 5.1) 5.1.0.6031  7762

http://www.apache.org/licenses/LICENSE-2.0

Unless required by applicable law or agreed to in writing, software distributed under the License is distributed on an "AS IS" BASIS, WITHOUT WARRANTIES OR CONDITIONS OF ANY KIND, either express or implied. See the License for the specific language governing permissions and limitations under the License.

On Debian-based systems the full text of the Apache version 2.0 license can be found in `/usr/share/common-licenses/Apache-2.0'.

1.710 jbcrypt 0.4.1
1.710.1 Available under license:

jBCrypt is subject to the following license:

/*
 * Copyright (c) 2006 Damien Miller <djm@mindrot.org>
 *
 * Permission to use, copy, modify, and distribute this software for any purpose with or without fee is hereby granted, provided that the above copyright notice and this permission notice appear in all copies.
 *
 * THE SOFTWARE IS PROVIDED "AS IS" AND THE AUTHOR DISCLAIMS ALL WARRANTIES WITH REGARD TO THIS SOFTWARE INCLUDING ALL IMPLIED WARRANTIES OF MERCHANTABILITY AND FITNESS. IN NO EVENT SHALL THE AUTHOR BE LIABLE FOR ANY SPECIAL, DIRECT, INDIRECT, OR CONSEQUENTIAL DAMAGES OR ANY DAMAGES WHATSOEVER RESULTING FROM LOSS OF USE, DATA OR PROFITS, WHETHER IN AN ACTION OF CONTRACT, NEGLIGENCE OR OTHER TORTIOUS ACTION, ARISING OUT OF OR IN CONNECTION WITH THE USE OR PERFORMANCE OF THIS SOFTWARE.
 */

1.711 jackson-dataformat-yaml 2.9.3
1.711.1 Available under license:

This copy of Jackson JSON processor YAML module is licensed under the Apache (Software) License, version 2.0 ("the License"). See the License for details about distribution rights, and the specific rights regarding derivate works.

You may obtain a copy of the License at:

http://www.apache.org/licenses/LICENSE-2.0
# 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.

## Licensing

Jackson core and extension components may be licensed under different licenses. To find the details that apply to this artifact see the accompanying LICENSE file. For more information, including possible other licensing options, contact FasterXML.com (http://fasterxml.com).

## Credits

A list of contributors may be found from CREDITS file, which is included in some artifacts (usually source distributions); but is always available from the source code management (SCM) system project uses.

### 1.7.12 aether-spi 0.9.0-M2

#### 1.7.12.1 Available under license:

- Found license 'Eclipse Public License 1.0' in 'Eclipse Public License Version 1.0 (quot;EPLquot;). A copy of the EPL is available'
- Found license 'Eclipse Public License 1.0' in 'All rights reserved. This program and the accompanying materials are made available under the terms of the Eclipse Public License v1.0'

### 1.7.13 cracklib 2.9.0-11.el7

#### 1.7.13.1 Available under license:

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EFFECTIVE OCT 2008, LICENSE IS BEING CHANGED TO LGPL-2.1 (though not reflected in released code until Nov 2009 - slow release cycle...)
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Discussion thread from mailing list archive, with approval from everyone actively involved or holding original licensing rights included.

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This approval was carried out in email discussions in 2005, and has been reconfirmed as of 2007-10-01 with the following email from Alec Muffett.

The below email references nneul@umr.edu address, as that is the address that was used at the time. For any future emails regarding this, please use nneul@neulinger.org.

From alecm@crypticide.com Mon Oct  1 12:26:03 2007
Received: from umr-exproto2.cc.umr.edu ([131.151.0.192]) by UMR-CMAIL1.umr.edu with Microsoft SMTPSVC(6.0.3790.3959);
    Mon, 1 Oct 2007 12:26:03 -0500
Received: from scansrv2.srv.mst.edu ([131.151.1.114]) by umr-exproto2.cc.umr.edu with Microsoft SMTPSVC(6.0.3790.3959);
    Mon, 1 Oct 2007 12:26:02 -0500
Received: (qmail 8022 invoked from network); 1 Oct 2007 16:59:55 -0000
Received: from smtp1.srv.mst.edu (131.151.1.43)
    by scanin-ipvs.cc.umr.edu with SMTP; 1 Oct 2007 16:59:55 -0000
Received: from spunkymail-mx8.g.dreamhost.com (mx1.spunky.mail.dreamhost.com [208.97.132.47])
    by smtp1.srv.mst.edu (8.13.1/8.13.1) with ESMTP id 191Gxtp020623
    for <nneul@umr.edu>; Mon, 1 Oct 2007 11:59:55 -0500
Received: from rutherford.zen.co.uk (rutherford.zen.co.uk [212.23.3.142])
    by spunkymail-mx8.g.dreamhost.com (Postfix) with ESMTP id 2C7734D311
    for <nneul@neulinger.org>; Mon, 1 Oct 2007 09:59:50 -0700 (PDT)
    Received: from [82.68.43.14] (helo=[192.168.1.3])
    by rutherford.zen.co.uk with esmtp (Exim 4.50)
    id 11cOcX-0004Qt-6L
    for nneul@neulinger.org; Mon, 01 Oct 2007 16:59:49 +0000
Mime-Version: 1.0 (Apple Message framework v752.2)
In-Reply-To: <1b1b3fd80710010908k11dac0afp1f2dd471059ff9a4@mail.gmail.com>
References: <1190922867.3457.147.camel@localhost.localdomain>
    <EC90713277D2BE41B7110CCD74E235CEF44F38@UMR-CMAIL1.umr.edu>
    <1b1b3fd80710010908k11dac0afp1f2dd471059ff9a4@mail.gmail.com>
Content-Type: text/plain; charset=US-ASCII; delsp=yes; format=floowed
Message-Id: <117A1264-F6DC-4E25-B0DD-56FBFE6E9F@crypticide.com>
Content-Transfer-Encoding: 7bit
From: Alec Muffett <alecm@crypticide.com>
Subject: Re: cracklib license
Date: Mon, 1 Oct 2007 17:59:46 +0100
To: Nathan Neulinger <nneul@neulinger.org>
X-Mailer: Apple Mail (2.752.2)
X-Originating-Rutherford-IP: [82.68.43.14]
Return-Path: alecm@crypticide.com
X-OriginalArrivalTime: 01 Oct 2007 17:26:03.0008 (UTC) FILETIME=[2420C000:01C80450]
Status: RO
Content-Length: 585
Lines: 21

> >
> > ****** Forwarded message ******
> > From: Neulinger, Nathan <nneul@umr.edu>
> > Date: Sep 27, 2007 2:58 PM
> > Subject: RE: cracklib license
> > To: alecm@crypto.dircon.co.uk
> >
> > Any chance you could write me a self-contained email stating clearly
> > that the license is being changed to GPL, so I could include that
> > email
> > in the repository and clean up the repository/tarballs? I have all the
> > original discussion, but something succinct and self contained
> > would be
> > ideal.

The license for my code in the Cracklib distribution is henceforth GPL.

Happy now? :-)

-a

This package was debianized by Jean Pierre LeJacq
<jplejacq@quoininc.com> on Wed, 25 Feb 1998. Martin Pitt
<martin@piware.de> was the package's maintainer up to version
2.7.19-1. The current maintainer is Jan Dittberner
<jandd@debian.org>.

It was downloaded from http://sourceforge.net/projects/cracklib

Copyright (c) 1993 Alec Muffett <alecm@crypto.dircon.co.uk>,
Copyright (c) 2005-2009 Nathan Neulinger <nneul@umr.edu>,
Copyright (c) 2008-2009 Jan Dittberner <jan@dittberner.info>

Modifications: Added cronjob, configuration file, and man pages.

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it under the terms of the GNU Lesser General Public License as
published by the Free Software Foundation; either version 2.1 of the License, or (at your option) any later version.

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

A copy of the GNU Lesser General Public License 2.1 is available as /usr/share/common-licenses/LGPL-2.1 in the Debian GNU/Linux distribution or on the World Wide Web at http://www.gnu.org/licenses/old-licenses/lgpl-2.1.html. You can also obtain it by writing to the Free Software Foundation, Inc., 51 Franklin St, Fifth Floor, Boston, MA 02110-1301, USA.

Copyright information:

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This approval was carried out in email discussions in 2005, and has been reconfirmed as of 2007-10-01 with the following email from Alec Muffett. Cracklib's license was changed from the GPL to the LGPL after consensus of all previous developers in October 2008, effective with release 2.8.15 released on 2009-11-19. See the email discussion below for both license changes.

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

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University of Missouri - Rolla Phone: (573) 341-6679
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Received: (qmail 8022 invoked from network); 1 Oct 2007 16:59:55 -0000
Received: from smtp1.srv.mst.edu ([131.151.1.43]) by scanin-ipvs.cc.umr.edu with SMTP; 1 Oct 2007 16:59:55 -0000
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Mime-Version: 1.0 (Apple Message framework v752.2)
In-Reply-To: <1b1b3fd80710010908k11dac0afp1f2dd471059ff9a4@mail.gmail.com>
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<EC90713277D2BE41B710CCD74E235CEF4F38@UMR-CMAIL1.umr.edu>
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Message-Id: <117A1264-F6DC-4E25-B0DD-56FBFEBE6E9F@crypticide.com>
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1.720 argparse 0.7.0

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* delegate to via [@link RequestContext#getRequestDataValueProcessor()].
* 
* @author Rossen Stoyanchev
* @since 5.0
*/
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 */
jar/org/springframework/web/reactive/handler/SimpleUrlHandlerMapping.java
* /opt/ws_local/PERMITS_SQL/1071973741_1594967560.85/0/spring-webflux-5-0-5-release-sources-1-
jar/org/springframework/web/reactive/function/client/ExchangeFunction.java
* /opt/ws_local/PERMITS_SQL/1071973741_1594967560.85/0/spring-webflux-5-0-5-release-sources-1-
jar/org/springframework/web/reactive/result/method/annotation/ModelInitializer.java
* /opt/ws_local/PERMITS_SQL/1071973741_1594967560.85/0/spring-webflux-5-0-5-release-sources-1-
jar/org/springframework/web/reactive/result/method/annotation/RequestParamMethodArgumentResolver.java
* /opt/ws_local/PERMITS_SQL/1071973741_1594967560.85/0/spring-webflux-5-0-5-release-sources-1-
jar/org/springframework/web/reactive/result/method/annotation/RequestMappingHandlerMapping.java
* /opt/ws_local/PERMITS_SQL/1071973741_1594967560.85/0/spring-webflux-5-0-5-release-sources-1-
jar/org/springframework/web/reactive/function/client/WebClientException.java
* /opt/ws_local/PERMITS_SQL/1071973741_1594967560.85/0/spring-webflux-5-0-5-release-sources-1-
jar/org/springframework/web/reactive/socket/server/RequestUpgradeStrategy.java

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jar/org/springframework/web/reactive/result/condition/NameValueExpression.java
* /opt/ws_local/PERMITS_SQL/1071973741_1594967560.85/0/spring-webflux-5-0-5-release-sources-1-
jar/org/springframework/web/reactive/config/CorsRegistry.java
* /opt/ws_local/PERMITS_SQL/1071973741_1594967560.85/0/spring-webflux-5-0-5-release-sources-1-
jar/org/springframework/web/reactive/HandlerResultHandler.java
* /opt/ws_local/PERMITS_SQL/1071973741_1594967560.85/0/spring-webflux-5-0-5-release-sources-1-
jar/org/springframework/web/reactive/resource/AbstractPrefixVersionStrategy.java
* /opt/ws_local/PERMITS_SQL/1071973741_1594967560.85/0/spring-webflux-5-0-5-release-sources-1-
jar/org/springframework/web/reactive/resource/AbstractFileNameVersionStrategy.java
* /opt/ws_local/PERMITS_SQL/1071973741_1594967560.85/0/spring-webflux-5-0-5-release-sources-1-
jar/org/springframework/web/reactive/socket/server/support/WebSocketHandlerAdapter.java
* /opt/ws_local/PERMITS_SQL/1071973741_1594967560.85/0/spring-webflux-5-0-5-release-sources-1-
jar/org/springframework/web/reactive/resource/ResourceResolver.java
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* /opt/ws_local/PERMITS_SQL/1071973741_1594967560.85/0/spring-webflux-5-0-5-release-sources-1-
  jar/org/springframework/web/reactive/resource/FixedVersionStrategy.java

1.724 pycurl 7.19.0-19.el7

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This file contains a list of people who have made large contributions
to the public version of Protocol Buffers.

Original Protocol Buffers design and implementation:
Sanjay Ghemawat <sanjay@google.com>
Jeff Dean <jeff@google.com>
Daniel Dulitz <daniel@google.com>
Craig Silverstein
Paul Haahr <haahr@google.com>
Corey Anderson <corin@google.com>
(and many others)

Proto2 C++ and Java primary author:
Kenton Varda <kenton@google.com>

Proto2 Python primary authors:
Will Robinson <robinson@google.com>
Petar Petrov <petar@google.com>

Java Nano primary authors:
Brian Duff <bduff@google.com>
Tom Chao <chaot@google.com>
Max Cai <maxtroy@google.com>
Ulas Kirazci <ulas@google.com>

Large code contributions:
Jason Hsueh <jasonh@google.com>
Joseph Schorr <jschorr@google.com>
Wenbo Zhu <wenboz@google.com>

Large quantity of code reviews:
Scott Bruce <sbruce@google.com>
Frank Yellin
Neal Norwitz <nnorwitz@google.com>
Jeffrey Yasskin <jyasskin@google.com>
Ambrose Feinstein <ambrose@google.com>

Documentation:
Lisa Carey <lcarey@google.com>

Maven packaging:
Gregory Kick <gak@google.com>

Patch contributors:
Kevin Ko <kevin.s.ko@gmail.com>
* Small patch to handle trailing slashes in --proto_path flag.
Johan Euphrosine <proppy@aminche.com>
* Small patch to fix Python CallMethod().
Ulrich Kunitz <kune@deine-taler.de>
* Small optimizations to Python serialization.
Leandro Lucarella <llucax@gmail.com>
* VI syntax highlighting tweaks.
  * Fix compiler to not make output executable.
Dilip Joseph <dilip.antony.joseph@gmail.com>
* Heuristic detection of sub-messages when printing unknown fields in
text format.
Brian Atkinson <snairb774@gmail.com>
* Added @Override annotation to generated Java code where appropriate.
Vincent Choinire <Choiniere.Vincent@hydro.qc.ca>
* Tru64 support.
Monty Taylor <monty.taylor@gmail.com>
* Solaris 10 + Sun Studio fixes.
Alek Storm <alek.storm@gmail.com>
* Slicing support for repeated scalar fields for the Python API.
Oleg Smolsky <oleg.smolsky@gmail.com>
* MS Visual Studio error format option.
  * Detect unordered_map in stl_hash.m4.
Brian Olson <brianolson@google.com>
* gzip/zlib I/O support.
Michael Poole <mdpoole@troilus.org>
* Fixed warnings about generated constructors not explicitly initializing
  all fields (only present with certain compiler settings).
  * Added generation of field number constants.
Wink Saville <wink@google.com>
* Fixed initialization ordering problem in logging code.
Will Pierce <willp@nuclei.com>
* Small patch improving performance of in Python serialization.
Alexandre Vassalotti <alexandre@peadrop.com>
* Emacs mode for Protocol Buffers (editors/protobuf-mode.el).
Scott Stafford <scott.stafford@gmail.com>
* Added Swap(), SwapElements(), and RemoveLast() to Reflection interface.
*HPUX support.

* Detect whether zlib is new enough in configure script.
* Fixes for Solaris 10 32/64-bit confusion.

Evan Jones <evanj@mit.edu>
* Optimize Java serialization code when writing a small message to a stream.
* Optimize Java serialization of strings so that UTF-8 encoding happens only once per string per serialization call.
* Clean up some Java warnings.
* Fix bug with permanent callbacks that delete themselves when run.

Michael Kucharski <m.kucharski@gmail.com>
* Added CodedInputStream.getTotalBytesRead().

Kacper Kowalik <xarthsius.kk@gmail.com>
* Fixed m4/acx_pthread.m4 problem for some Linux distributions.

William Orr <will@worrbase.com>
* Fixed detection of sched_yield on Solaris.
* Added atomicops for Solaris

Andrew Paprocki <andrew@ishiboo.com>
* Fixed minor IBM xlC compiler build issues
* Added atomicops for AIX (POWER)

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1.726 spectator-api 0.88.0

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1.727 jaxb-runtime 2.3.0

1.728 netty-codec-socks 4.1.23.Final

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jar/io/netty/handler/codec/socksx/v5/Socks5AddressDecoder.java
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* /opt/ws_local/PERMITS_SQL/1071963991_1594967645.52/0/netty-codec-socks-4-1-23-final-sources-1-jar/io/netty/handler/codec/socks/SocksInitRequest.java

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1.730 gawk 4.0.2

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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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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.

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END OF TERMS AND CONDITIONS

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produce the work, or an object code interpreter used to run it.

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work) run the object code and to modify the work, including scripts to
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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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The End

1.740 opensaml-profile-impl 3.3.0

1.741 libdrm 2.4.83-2.el7

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1.752 pinentry 0.8.1-17.el7

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1.753 zlib 1.2.3

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1.761 perl-time-local 1.2300 2.el7

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

1.762 coreutils 8.22

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The End

1.764 perl-version 0.99.07 3.el7

1.765 spring-kafka 2.1.5.RELEASE

1.766 gir1.2-gdkpixbuf-2.0 2.36.12-3.el7

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# Jackson JSON processor

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1.778 netflix-commons-util 0.3.0

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* /opt/ws_local/PERMITS_SQL/1013874009_1591325437.54/0/antlr4-runtime-4-5-1-sources-jar/org/antlr/v4/runtime/PlusLoopbackState.java
* /opt/ws_local/PERMITS_SQL/1013874009_1591325437.54/0/antlr4-runtime-4-5-1-sources-jar/org/antlr/v4/runtime/ATNSerializer.java
* /opt/ws_local/PERMITS_SQL/1013874009_1591325437.54/0/antlr4-runtime-4-5-1-sources-jar/org/antlr/v4/runtime/atn/PlusLoopbackState.java
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* /opt/ws_local/PERMITS_SQL/1013874009_1591325437.54/0/antlr4-runtime-4-5-1-sources-jar/antlr/v4/runtime/tn/ContextSensitivityInfo.java
* /opt/ws_local/PERMITS_SQL/1013874009_1591325437.54/0/antlr4-runtime-4-5-1-sources-jar/antlr/v4/runtime/tn/ParseInfo.java
1.780 log4j-api 2.10.0
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1.783 mapstruct 1.2.0.Final

1.784 coreutils 8.22 24.el7

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/* chown-core.c -- core functions for changing ownership. 
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/* Extracted from chown.c/chgrp.c and librarified by Jim Meyering. */

#include <config.h>
#include <stdio.h>
#include <sys/types.h>
#include <pwd.h>
#include <grp.h>

#include "system.h"
#include "chown-core.h"
#include "error.h"
#include "ignore-value.h"
#include "quote.h"
#include "root-dev-ino.h"
#include "xfts.h"
#define FTSENT_IS_DIRECTORY(E)\
((E)->fts_info == FTS_D)\
|| (E)->fts_info == FTS_DC\
|| (E)->fts_info == FTS_DP\
|| (E)->fts_info == FTS_DNR)

eenum RCH_status
{
    /* we called fchown and close, and both succeeded */
    RC_ok = 2,

    /* required_uid and/or required_gid are specified, but don't match */
    RC_excluded,

    /* SAME_INODE check failed */
    RC_inode_changed,

    /* open/fchown isn't needed, isn't safe, or doesn't work due to
    permissions problems; fall back on chown */
    RC_do_ordinary_chown,

    /* open, fstat, fchown, or close failed */
    RC_error
};

extern void
chopt_init (struct Chown_option *chopt)
{
    chopt->verbosity = V_off;
    chopt->root_dev_ino = NULL;
    chopt->affect_symlink_referent = true;
    chopt->recurse = false;
    chopt->force_silent = false;
    chopt->user_name = NULL;
    chopt->group_name = NULL;
}

extern void
chopt_free (struct Chown_option *chopt _GL_UNUSED)
{
    /* Deliberately do not free chopt->user_name or ->group_name.
    They're not always allocated. */
}

/* Convert the numeric group-id, GID, to a string stored in xmalloc'd memory,
and return it. If there's no corresponding group name, use the decimal
representation of the ID. */
extern char *
gid_to_name (gid_t gid)
{
    char buf[INT_BUFSIZE_BOUND (intmax_t)];
    struct group *grp = getgrgid (gid);
    return xstrdup (grp ? grp->gr_name
        : TYPE_SIGNED (gid_t) ? imaxtostr (gid, buf)
        : umaxtostr (gid, buf));
}

/* Convert the numeric user-id, UID, to a string stored in xmalloc'd memory,
   and return it. If there's no corresponding user name, use the decimal
   representation of the ID. */

extern char *
uid_to_name (uid_t uid)
{
    char buf[INT_BUFSIZE_BOUND (intmax_t)];
    struct passwd *pwd = getpwuid (uid);
    return xstrdup (pwd ? pwd->pw_name
        : TYPE_SIGNED (uid_t) ? imaxtostr (uid, buf)
        : umaxtostr (uid, buf));
}

/* Allocate a string representing USER and GROUP. */

static char *
user_group_str (char const *user, char const *group)
{
    char *spec = NULL;

    if (user)
    {
        if (group)
        {
            spec = xmalloc (strlen (user) + 1 + strlen (group) + 1);
            stpcpy (stpcpy (stpcpy (spec, user), ":"), group);
        }
        else
        {
            spec = xstrdup (user);
        }
    }
    else if (group)
    {
        spec = xstrdup (group);
    }
}
/* Tell the user how/if the user and group of FILE have been changed. If USER is NULL, give the group-oriented messages. CHANGED describes what (if anything) has happened. */

static void
describe_change (const char *file, enum Change_status changed,
     char const *old_user, char const *old_group,
     char const *user, char const *group)
{
    const char *fmt;
    char *old_spec;
    char *spec;

    if (changed == CH_NOT_APPLIED)
    {
        printf (_("neither symbolic link %s nor referent has been changed\n"),
               quote (file));
        return;
    }

    spec = user_group_str (user, group);
    old_spec = user_group_str (user ? old_user : NULL, group ? old_group : NULL);

    switch (changed)
    {
    case CH_SUCCEEDED:
        fmt = (user ? _("changed ownership of %s from %s to %s\n") : _("changed group of %s from %s to %s\n"));
        break;
    case CH_FAILED:
        if (old_spec)
            fmt = (user ? _("failed to change ownership of %s from %s to %s\n") : _("failed to change group of %s from %s to %s\n"));
        else
            fmt = (user ? _("failed to change ownership of %s to %s\n") : _("failed to change group of %s to %s\n"));
        free (old_spec);
        old_spec = spec;
        break;
    case CH_FAILDENIED:
        if (old_spec)
            fmt = (user ? _("failed to change ownership of %s from %s to %s\n") : _("failed to change group of %s from %s to %s\n"))leen});
        else
            fmt = (user ? _("failed to change ownership of %s to %s\n") : _("failed to change group of %s to %s\n"));
        break;
    case CH_CANCELED:
        if (old_spec)
            fmt = (user ? _("canceled change of %s from %s to %s\n") : _("canceled change of %s from %s to %s\n"));
        else
            fmt = (user ? _("canceled change of %s to %s\n") : _("canceled change of %s to %s\n"));
        break;
    case CH_REVERTED:
        if (old_spec)
            fmt = (user ? _("reverted change of %s from %s to %s\n") : _("reverted change of %s from %s to %s\n"));
        else
            fmt = (user ? _("reverted change of %s to %s\n") : _("reverted change of %s to %s\n"));
        break;
    case CH_REVERTEDDENIED:
        if (old_spec)
            fmt = (user ? _("reverted change of %s from %s to %s\n") : _("reverted change of %s from %s to %s\n"));
        else
            fmt = (user ? _("reverted change of %s to %s\n") : _("reverted change of %s to %s\n"));
        break;
    case CH_REVERTDENIED:
        if (old_spec)
            fmt = (user ? _("reverted change of %s from %s to %s\n") : _("reverted change of %s from %s to %s\n"));
        else
            fmt = (user ? _("reverted change of %s to %s\n") : _("reverted change of %s to %s\n"));
        break;
    case CH_REVERTEDDENIEDDENIED:
        if (old_spec)
            fmt = (user ? _("reverted change of %s from %s to %s\n") : _("reverted change of %s from %s to %s\n"));
        else
            fmt = (user ? _("reverted change of %s to %s\n") : _("reverted change of %s to %s\n"));
        break;
    case CH_REVERTEDDENIEDDENIEDDENIED:
        if (old_spec)
            fmt = (user ? _("reverted change of %s from %s to %s\n") : _("reverted change of %s from %s to %s\n"));
        else
            fmt = (user ? _("reverted change of %s to %s\n") : _("reverted change of %s to %s\n"));
        break;
    default:
        printf (_("unknown change status\n"));
        break;
    }

    printf (fmt, file, old_user, old_group, user, group);
spec = NULL;
}
break;
case CH_NO_CHANGE_REQUESTED:
    fmt = (user ? "ownership of %s retained as %s\n"
          : group ? "group of %s retained as %s\n"
          : "ownership of %s retained\n"));
    break;
default:
    abort ();
}
printf (fmt, quote (file), old_spec, spec);
free (old_spec);
free (spec);
}

/* Change the owner and/or group of the FILE to UID and/or GID (safely)
   only if REQUIRED_UID and REQUIRED_GID match the owner and group IDs
   of FILE.  ORIG_ST must be the result of 'stat'ing FILE.

   The 'safely' part above means that we can't simply use chown(2),
   since FILE might be replaced with some other file between the time
   of the preceding stat/lstat and this chown call.  So here we open
   FILE and do everything else via the resulting file descriptor.
   We first call fstat and verify that the dev/inode match those from
   the preceding stat call, and only then, if appropriate (given the
   required_uid and required_gid constraints) do we call fchown.

   Return RC_do_ordinary_chown if we can't open FILE, or if FILE is a
   special file that might have undesirable side effects when opening.
   In this case the caller can use the less-safe ordinary chown.

   Return one of the RCH_status values. */

static enum RCH_status
restricted_chown (int cwd_fd, char const *file,
        struct stat const *orig_st,
        uid_t uid, gid_t gid,
        uid_t required_uid, gid_t required_gid)
{
    enum RCH_status status = RC_ok;
    struct stat st;
    int open_flags = O_NONBLOCK | O_NOCTTY;
    int fd;

    if (required_uid == (uid_t) -1 && required_gid == (gid_t) -1)
return RC_do_ordinary_chown;

if (!S_ISREG (orig_st->st_mode))
{
    if (S_ISDIR (orig_st->st_mode))
        open_flags |= O_DIRECTORY;
    else
        return RC_do_ordinary_chown;
}

fd = openat (cwd_fd, file, O_RDONLY | open_flags);
if (! (0 <= fd || (errno == EACCES && S_ISREG (orig_st->st_mode)
                               && 0 <= (fd = openat (cwd_fd, file, O_WRONLY | open_flags))))))
    return (errno == EACCES ? RC_do_ordinary_chown : RC_error);

if (fstat (fd, &st) != 0)
    status = RC_error;
else if (!SAME_INODE (*orig_st, st))
    status = RC_inode_changed;
else if (((required_uid == (uid_t) -1 || required_uid == st.st_uid)
                          && (required_gid == (gid_t) -1 || required_gid == st.st_gid))
    {
        if (fchown (fd, uid, gid) == 0)
            {
                status = (close (fd) == 0 ? RC_ok : RC_error);
            return status;
            }
        else
        {
            status = RC_error;
        }
    }

int saved_errno = errno;
close (fd);
errno = saved_errno;
return status;

/* Change the owner and/or group of the file specified by FTS and ENT
to UID and/or GID as appropriate.
If REQUIRED_UID is not -1, then skip files with any other user ID.
If REQUIRED_GID is not -1, then skip files with any other group ID.
CHOPT specifies additional options.
Return true if successful. */
static bool
change_file_owner (FTS *fts, FTSENT *ent,
    uid_t uid, gid_t gid,
    uid_t required_uid, gid_t required_gid,
    struct Chown_option const *chopt)
{
    char const *file_full_name = ent->fts_path;
    char const *file = ent->fts_accpath;
    struct stat const *file_stats;
    struct stat stat_buf;
    bool ok = true;
    bool do_chown;
    bool symlink_changed = true;

    switch (ent->fts_info)
    {
    case FTS_D:
        if (chopt->recurse)
        {
            if (ROOT_DEV_INO_CHECK (chopt->root_dev_ino, ent->fts_statp))
            {
                /* This happens e.g., with "chown -R --preserve-root 0 /" */
                and with "chown -RH --preserve-root 0 symlink-to-root". */
                ROOT_DEV_INO_WARN (file_full_name);
                /* Tell fts not to traverse into this hierarchy. */
                fts_set (fts, ent, FTS_SKIP);
                /* Ensure that we do not process "/" on the second visit. */
                ignore_value (fts_read (fts));
                return false;
            }
            return true;
        }
        break;
    case FTS_DP:
        if (! chopt->recurse)
        {
            return true;
        }
        break;
    case FTS_NS:
        /* For a top-level file or directory, this FTS_NS (stat failed)
           indicator is determined at the time of the initial fts_open call.
           With programs like chmod, chown, and chgrp, that modify
           permissions, it is possible that the file in question is
           accessible when control reaches this point. So, if this is
           the first time we've seen the FTS_NS for this file, tell
           fts_read to stat it "again". */
        if (ent->fts_level == 0 && ent->fts_number == 0)
        {
            /* ... */
ent->fts_number = 1;
fts_set (fts, ent, FTS_AGAIN);
    return true;
}
if (! chopt->force_silent)
    error (0, ent->fts_errno, "cannot access %s",
    quote (file_full_name));
ok = false;
break;

case FTS_ERR:
    if (! chopt->force_silent)
        error (0, ent->fts_errno, "%s", quote (file_full_name));
    ok = false;
    break;

case FTS_DNR:
    if (! chopt->force_silent)
        error (0, ent->fts_errno, "cannot read directory %s",
        quote (file_full_name));
    ok = false;
    break;

case FTS_DC:// directory that causes cycles */
    if (cycle_warning_required (fts, ent))
    {
        emit_cycle_warning (file_full_name);
        return false;
    }
    break;

default:
    break;
}

if (!ok)
{
    do_chown = false;
    file_stats = NULL;
}
else if (required_uid == (uid_t) -1 && required_gid == (gid_t) -1
    && chopt->verbosity == V_off
    && ! chopt->root_dev_ino
    && ! chopt->affect_symlink_referent)
{
    do_chown = true;
    file_stats = ent->fts_statp;
}
else
{
    file_stats = ent->fts_statp;

    /* If this is a symlink and we're dereferencing them,
       stat it to get info on the referent. */
    if (chopt->affect_symlink_referent && S_ISLNK (file_stats->st_mode))
    {
        if (fstatat (fts->fts_cwd_fd, file, &stat_buf, 0) != 0)
        {
            if (! chopt->force_silent)
                error (0, errno, _("cannot dereference \%s"),
                      quote (file_full_name));
            ok = false;
        }
        file_stats = &stat_buf;
    }

do_chown = (ok
        && (required_uid == (uid_t) -1
            || required_uid == file_stats->st_uid)
        && (required_gid == (gid_t) -1
            || required_gid == file_stats->st_gid));

    /* This happens when chown -LR --preserve-root encounters a symlink-to-/.
     */
    if (ok
        && FTSENT_IS_DIRECTORY (ent)
        && ROOT_DEV_INO_CHECK (chopt->root_dev_ino, file_stats))
    {
        ROOT_DEV_INO_WARN (file_full_name);
        return false;
    }

    if (do_chown)
    {
        if ( ! chopt->affect_symlink_referent)
        {
            ok = (lchownat (fts->fts_cwd_fd, file, uid, gid) == 0);

            /* Ignore any error due to lack of support; POSIX requires
             this behavior for top-level symbolic links with -h, and
             implies that it's required for all symbolic links. */
            if (!ok && & errno == EOPNOTSUPP)
            {
                ok = true;
                symlink_changed = false;
            }
        }
    }
/* If possible, avoid a race condition with \--from=O:G and without the
 (-h) \--no-dereference option.  If its stat call determined
 that the uid/gid of FILE matched the \--from=O:G-selected
 owner and group IDs, blindly using chown(2) here could lead
 chown(1) or chgrp(1) mistakenly to dereference a *symlink*
 to an arbitrary file that an attacker had moved into the
 place of FILE during the window between the stat and
 chown(2) calls.  If FILE is a regular file or a directory
 that can be opened, this race condition can be avoided safely. */

enum RCH_status err
 = restricted_chown (fts->fts_cwd_fd, file, file_stats, uid, gid,
   required_uid, required_gid);

switch (err)
{
  case RC_ok:
    break;

  case RC_do_ordinary_chown:
    ok = (chownat (fts->fts_cwd_fd, file, uid, gid) == 0);
    break;

  case RC_error:
    ok = false;
    break;

  case RC_inode_changed:
    /* FIXME: give a diagnostic in this case? */
  case RC_excluded:
    do_chown = false;
    ok = false;
    break;

  default:
    abort ();
}

/* On some systems (e.g., GNU/Linux 2.4.x),
 the chown function resets the 'special' permission bits.
 Do *not* restore those bits; doing so would open a window in
 which a malicious user, M, could subvert a chown command run
 by some other user and operating on files in a directory
 where M has write access. */
if (do_chown && ok && ! chopt->force_silent)
    error (0, errno, (uid != (uid_t) -1
    ? _("changing ownership of %s")
    : _("changing group of %s")),
    quote (file_full_name));
}

if (chopt->verbosity != V_off)
{
    bool changed =
        ((do_chown && ok && symlink_changed)
        && !(uid == (uid_t) -1 || uid == file_stats->st_uid)
        && (gid == (gid_t) -1 || gid == file_stats->st_gid));
    if (changed || chopt->verbosity == V_high)
    {
        enum Change_status ch_status =
            (!ok ? CH_FAILED
            : !symlink_changed ? CH_NOT_APPLIED
            : !changed ? CH_NO_CHANGE_REQUESTED
            : CH_SUCCEEDED);
        char *old_usr = file_stats ? uid_to_name (file_stats->st_uid) : NULL;
        char *old_grp = file_stats ? gid_to_name (file_stats->st_gid) : NULL;
        describe_change (file_full_name, ch_status,
            old_usr, old_grp,
            chopt->user_name, chopt->group_name);
        free (old_usr);
        free (old_grp);
    }
}

if ( ! chopt->recurse)
    fts_set (fts, ent, FTS_SKIP);

return ok;
}

/* Change the owner and/or group of the specified FILES.
   BIT_FLAGS specifies how to treat each symlink-to-directory
   that is encountered during a recursive traversal.
   CHOPT specifies additional options.
   If UID is not -1, then change the owner id of each file to UID.
   If GID is not -1, then change the group id of each file to GID.
   If REQUIRED_UID and/or REQUIRED_GID is not -1, then change only
   files with user ID and group ID that match the non-(-1) value(s).
   Return true if successful. */
extern bool
chown_files (char **files, int bit_flags,
uid_t uid, gid_t gid,
uid_t required_uid, gid_t required_gid,
struct Chown_option const *chopt)
{
bool ok = true;
/* Use lstat and stat only if they're needed. */
int stat_flags = ((required_uid != (uid_t) -1 || required_gid != (gid_t) -1
|| chopt->affect_symlink_referent
|| chopt->verbosity != V_off)
?0
: FTS_NOSTAT);
FTS *fts = xfts_open (files, bit_flags | stat_flags, NULL);
while (1)
{
FTSENT *ent;
ent = fts_read (fts);
if (ent == NULL)
{
if (errno != 0)
{
/* FIXME: try to give a better message */
if (! chopt->force_silent)
error (0, errno, _("fts_read failed"));
ok = false;
}
break;
}
ok &= change_file_owner (fts, ent, uid, gid,
required_uid, required_gid, chopt);
}
if (fts_close (fts) != 0)
{
error (0, errno, _("fts_close failed"));
ok = false;
}
return ok;
}
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lib/gssapi/mechglue/g_dsp_status.c
lib/gssapi/mechglue/g_dup_name.c
lib/gssapi/mechglue/g_exp_sec_context.c
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lib/gssapi/mechglue/g_imp_sec_context.c
lib/gssapi/mechglue/g_init_sec_context.c
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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
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
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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:

http://sourceforge.net/projects/e2fsprogs

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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 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): $<
(cd pic; ld -Bshareable -o $(BSD_LIB) $(LDFLAGS) $<)
$(MV) pic/$<

$(RM) -f ../$(BSD_LIB)
(cd ..; $(LN) $(LINK_BUILD_FLAGS) \
`echo $(my_dir) | sed -e 's;lib/;;'`/$(BSD_LIB) $(BSD_LIB))

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

install-strip: install

install-shlibs-strip: install-shlibs

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

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

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Theodore Ts'o
23-June-2007

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That's all there is to it!
This package was added to the e2fsprogs debian source package by
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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Upstream Author: Theodore Ts'o <tytso@mit.edu>

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Index: tdbsa/tdb.c

--- tdbsa.orig/tdb.c
+++ tdbsa/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 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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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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**1.788 jackson-databind-nullable 0.2.1**

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* /opt/ws_local/PERMITS_SQL/1071985579_1594967780.83/0/spring-boot-loader-1-5-12-release-sources-1-jar/org/springframework/boot/loader/data/package-info.java
* /opt/ws_local/PERMITS_SQL/1071985579_1594967780.83/0/spring-boot-loader-1-5-12-release-sources-1-jar/org/springframework/boot/loader/archive/package-info.java
* /opt/ws_local/PERMITS_SQL/1071985579_1594967780.83/0/spring-boot-loader-1-5-12-release-sources-1-jar/org/springframework/boot/loader/data/ByteArrayRandomAccessData.java

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jar/org/springframework/boot/loader/LaunchedURLClassLoader.java
* /opt/ws_local/PERMITS_SQL/1071985579_1594967780.83/0/spring-boot-loader-1-5-12-release-sources-1-
jar/org/springframework/boot/loader/archive/JarFileArchive.java
* /opt/ws_local/PERMITS_SQL/1071985579_1594967780.83/0/spring-boot-loader-1-5-12-release-sources-1-
jar/org/springframework/boot/loader/jar/JarURLConnection.java
* /opt/ws_local/PERMITS_SQL/1071985579_1594967780.83/0/spring-boot-loader-1-5-12-release-sources-1-
jar/org/springframework/boot/loader/jar/AsciiBytes.java
* /opt/ws_local/PERMITS_SQL/1071985579_1594967780.83/0/spring-boot-loader-1-5-12-release-sources-1-
jar/org/springframework/boot/loader/jar/CentralDirectoryEndRecord.java

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The End
---
abstract: 'Build and install Perl modules'
author:
  - 'Ken Williams <kwilliams@cpan.org>'
  - "Development questions, bug reports, and patches should be sent to the\nModule-Build mailing list at <module-build@perl.org>," build_requires:
  File::Temp: 0.15
  Test::Harness: 3.16
  Test::More: 0.49
generated_by: 'Module::Build version 0.3608'
license: gpl
meta-spec:
  url: http://module-build.sourceforge.net/META-spec-v1.4.html
  version: 1.4
name: Module-Build
resources:
  MailingList: mailto:module-build@perl.org
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repository: http://github.com/dagolden/module-build/
version: 3

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

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#!perl

=head1 NAME
copyright.t

=head1 DESCRIPTION

Tests that the latest copyright years in the top-level README file and the
C<perl -v> output match each other.

If the test fails, update at least one of README and perl.c so that they match
reality.

Optionally you can pass the C<--now> option to check they are at the current
year. This isn't checked by default, so that it doesn't fail for people
working on older releases. It should be run before making a new release.

=cut

use strict;
use Config;
BEGIN { require './test.pl' }

if ( $Config{usecrosscompile} ) {
    skip_all( "Not all files are available during cross-compilation" );
}

my ($opt) = @ARGV;
my $readme_year = readme_year();
my $v_year = v_year();

# Check that both copyright dates are up-to-date, but only if requested, so
# that tests still pass for people intentionally working on older versions:
if ($opt eq '--now')
{
    my $current_year = (gmtime)[5] + 1900;
    is $v_year, $current_year, 'perl -v copyright includes current year';
    is $readme_year, $current_year, 'README copyright includes current year';
}

# Otherwise simply check that the two copyright dates match each other:
else
{
    is $readme_year, $v_year, 'README and perl -v copyright dates match';
}

done_testing;

sub readme_year
# returns the latest copyright year from the top-level README file
{
open my $readme, '<', '../README' or die "Opening README failed: $!";

# The copyright message is the first paragraph:
local $/ = ";
my $copyright_msg = <$readme>;

my ($year) = $copyright_msg =~ /.*\b\d{4,}]/s
    or die "Year not found in README copyright message '$copyright_msg'";

$year;
}

sub v_year
# returns the latest copyright year shown in perl -v
{
my $output = runperl switches => ['-v'];
my ($year) = $output =~ /Copyright\s1987.*\b\d{4,}$/i
    or die "Copyright statement not found in perl -v output '$output'";

$year;
1.798 make 3.82 24.el7

1.798.1 Available under license:

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Version 3, 29 June 2007

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1.803 netflix-statistics 0.1.1

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<br />
Jens Neuhalfen and perillamint.
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The following people donated financially to help with the release of 1.59:
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Brian Reid.
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<p>
The following people and organisations donated financially to help with the release of 1.57:
<br />
Joop Kaashoek and Pexus LLC.
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We also wish to acknowledge financial and collaborative support from <a href="https://www.cisco.com/">CISCO</a> and additional financial support from <a href="https://www.primekey.com/">PrimeKey</a> towards developing the EST API for RFC 7030 support.
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The following people and organisations donated financially to help with the release of 1.53:
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Sheba, Ishmal Bartley, and Li-Chang Johnny Lo
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The following people and organisations donated financially to help with the release of 1.52:
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lecker&#064buetterchen.de, Charles Proxy, Gunny Mills, Morgan Le Douget, Ben Whitaker, and Emilio Navarrete Lineros.
</p>
The following people and organisations donated financially to help with the release of 1.51:

Gup & Boz @ Alki Seattle, Bytemine Gmbh, Ted Pennings, Atanas Krachev, PrimeKey Solutions AB, Martin Paljak, Corsera/Fri19980116, CPU Terminator, Lindsay Bradford, kares, Philius, and Aaron Anderson.

Organisations

- Holders of <a href="https://www.cryptoworkshop.com">Crypto Workshop Support Contracts</a>. Without the consulting time left over from support contracts being contributed back to working on the Bouncy Castle APIs, progress would be impossible. You know who you are!
- <a href="http://www.grierforensics.com/">Grier Forensics</a>, for collaborating in the development of the S/MIME Toolkit and DANE SMIMEA functionality.
- TU-Darmstadt, Computer Science Department, RBG, for the initial lightweight client side TLS implementation, which is based on MicroTLS and for help with qTESLA implementation. MicroTLS was developed by Erik Tews under the supervision of Dipl.-Ing. Henning Baer and Prof. Max Muehlhaeuser. qTESLA assistance was provided by Nina Bindel and Yinhua Xu.
- TU-Darmstadt, Computer Science Department, RBG, for the initial Post Quantum provider, which was based on the FlexiProvider. The FlexiProvider was developed by the Theoretical Computer Science Research Group at TU-Darmstadt, Computer Science Department, RBG under the supervision of Prof. Dr. Johannes Buchmann. More information on the history of FlexiProvider can be found at: <a href="http://www.flexiprovider.de/">http://www.flexiprovider.de/</a>
- Voxeo Labs - sponsorship of the initial development of APIs for DTLS 1.0 (RFC 4347), DTLS-SRTP key negotiation (RFC 5764), and server side TLS 1.1 (RFC 4346) and tested WebRTC compatibility. More information on Voxeo Labs can be found at <a href="http://voxeolabs.com">http://voxeolabs.com</a>/</li>
- <a href="https://www.coreinfrastructure.org/">Core Infrastructure Initiative</a> - financial support towards developing the TLS API and JSSE provider that appeared in 1.56.
- Additional CertPath testing and validation data from the CertPath testing tool developed by <a href="https://www.cryptosource.de/">cryptosource GmbH</a> and <a href="https://www.mtg.de">media Transfer AG</a> both located in Darmstadt, Germany.
- <a href="https://www.microfocus.com/">Micro Focus</a> - additional support towards further developing the TLS/DTLS API and the BCJSSE provider.

People

- Tito Pena &lt;Fortunato.Pena@AdNovum.CH&gt; - initial RC5 implementation
- Michael Lee &lt;yfl@mira.net&gt; - initial RC6 implementation, MD2 implementation
- Nuno Santos &lt;nsantos@student.dei.uc.pt&gt; - finding toString bug in certificate object
- Brett Sealey &lt;bretts#mortbay.com&gt; - fixing the missing return problem in JDKKeyFactory (affected
SSL private keys).

Victor A. Salaman &lt;salaman@teknos.com&gt; - fixing the bug in Cipher.java which caused it to ignore specified providers, fixing the bug in RSAKeyGenerator which caused keys to be occasionally produced 1 bit too small.

Eran Librach &lt;eranl@valicert.com&gt; - spotting and fixing the classLoader bug that occurs if javax.crypto and the provider aren’t sharing the same classpath (occurs in JDK 1.3 and greater).

Jonathan Knudsen &lt;jonathan@LearningPatterns.com&gt; - porting information and restrictions when using the lightweight library with the MIDP environment.

Markus Niedermann &lt;markus.niedermann@softwired-inc.com&gt; - porting information and restrictions when using the lightweight library with the MIDP environment.

Mike Benham &lt;moxie@thoughtcrime.org&gt; - detection and fixing of an incorrect weak key in the DES key generation support classes. Suggestions for simplifying DESedeParameter objects. Optimisations for the Blowfish engine and BufferedBlockCipher class.

Soren Hilmer &lt;hilmer@mail.tele.dk&gt; - initial implementation of netscape certificate request classes.

Uwe Guenther &lt;uwe@cscc.de&gt; - detection and fixing of 3 incorrect semi-weak keys in the DES key generation support classes.

Markus Bradtke &lt;mab@informatik.uni-kiel.de&gt; - fixing of a logic error in the JDKKeyStore class.

Waclaw Sierek &lt;waclaw.sierek@tpg.pl&gt; - fix to setOddParity in the DESParameter class. Assistance with adding ordering to X.509 names for certificate generation, proper processing of byte strings in the ASN.1 package, further simplifications and additional classes to improve pkcs7 support, bug fixes in CertPath API.

Ly-Na Phu &lt;lyna.phu@init-consulting.de&gt; - assistance in the addition of ISO 9796-1 padding.

Stefan Köpsell &lt;sk13@mail.inf.tu-dresden.de&gt; - making the jdk 1.1 version of the collections API available. For further details see [http://sourceforge.net/projects/jcf/](http://sourceforge.net/projects/jcf/)

Carmen Bastiaans &lt;cbastiaa@microbits.com.au&gt; - fixing the improper null pointer problem in the setting of certificates in the PKCS12 key store.

Tomas Gustavsson &lt;tomasg@primekey.se&gt; - initial implementation of the AuthorityInformationAccess, SubjectKeyIdentifier, AuthorityKeyIdentifier, CRLNumber, CRLReason, CertificatePolicies, V2TBSCertListGenerator, and X509V2CRLGenerator classes in the ASN.1 library. Additions to GeneralName class, other bug fixes in the X.509 package. Initial implementation of the CertificationRequest classes. getRevocationReason() patch for OCSP. Patch to SemanticsInformation to prevent ClassCastException.

Eugen Kuleshov &lt;euxx@604@hotmail.com&gt; - optimisations for Blowfish, assistance with PKCS12/keytool interoperability.

Megan Woods &lt;meganwoods@sekurafile.com&gt; - initial implementation of ECIES.

Christian Geuer-Pollmann &lt;geuerp@apache.org&gt; - adding IV’s to the AESWrap implementations. Initial implementation of DESedeWrap.

Michael M@252;hle &lt;michael@mouling.de&gt; - contributing the initial CertPath implementation and compatibility classes, fixing provider bug in JDK 1.1 java.security.cert.CertificateFactory compatibility class.
Michael Mansell &lt;me@michaelmansell.com&gt; - fixing the parsing of the empty DER set in the ASN.1 library.

Eike Recker &lt;eike.recker@064;gmx.de&gt; - fixing misspelling of provider reference for RSA/1 and RSA/2.

Chris Southern &lt;CSouthern@064;baltimore.com&gt; - fixing misuse of specified provider in the PKCS10 certification request class.

Sidney Markowitz &lt;sidney@064;sidney.com&gt; - fixing null pointed exception on unknown OID in X509Name class, initial implementation of the three AES engines.

Chris Kerr &lt;ckerr@064;filonet.ca&gt; - initial implementation of the cms, asn1.cms, and the mail/smime packages, assistance in simplifying the ASN.1 package, miscellaneous other optimisations, NIST CertPath certification test, PKIXPolicyNode class, CertPath subtree validation and policy tree construction.

We also wish to acknowledge the generosity of Filonet Corporation for allowing Chris to make the initial cms and mail/smime packages available to us.

Mike Bean &lt;mbean@064;lucentradius.com&gt; - fixing the fall through bug in the IV algorithm parameters class.

Martin Petraschek &lt;m@9526225@064;student.tuwien.ac.at&gt; - fixing ASN1 tagging so tag values up to 30 are now supported.

Jess Garms &lt;jgarms@yahoo.com&gt; - fixing 112/168 key size bug for DESede key generation.

Mike Bremford &lt;mike@064;big.faceless.org&gt; - contributing the initial PKCS7 implementation.

Shankar Srinivasan &lt;ssr002@yahoo.com&gt; - S/Mime interoperability testing and debugging.

Stef Hoeben &lt;ilsestef@064;sky.net.be&gt; - adding Montgomery multiplication to the BigInteger class.

Klaudiusz Ciosk &lt;kciosk@064;max.com.pl&gt; - improving the compatibility of the SMIME package with the Sun JCE.

Thomas Houtekier &lt;Thomas.Houtekier@064;ectrade.net&gt; - S/Mime testing and debugging. Interoperability with Biztalk.

Don Hillsberry &lt;hillsber@064;dialcorp.com&gt; - S/Mime testing and debugging.

Kazuo Furuya &lt;kfuruya@064;infoteria.co.jp&gt; - fixing root certificate chaining bug in PKCS12 key store.

Jason Novotny &lt;jnovotny@064;lbl.gov&gt; - initial work on the openSSL PEM processing.

Joel Hockey &lt;joel.hockey@064;qsipayments.com&gt; - initial work on the openSSL PEM processing.

John Steenbruggen &lt;JohnS@064;geotrust.com&gt; - fixing CertificationRequestInfo to handle cert request info objects without attribute blocks.

Justin Chapweske &lt;justin@064;chapweske.com&gt; - ordering patch for Tiger message digest.

John Serock &lt;jsrocks@064;hotmail.com&gt; - null pointer exception in constructor for ExtendedKeyUsage. Fixing of base OID bug in KeyPurposeId. Compliance of KeyUsage extension return value with security API.

Sascha Weinreuter &lt;Sascha.Weinreuter@064;cit.de&gt; - fixed SMIME saveChanges() bug.

Andre Wehnert &lt;av5@064;mail.inf.tu-dresden.de&gt; - fixing key schedule problem in RC5-64, fixing buffer cleaning issue in buffered block cipher.

Luigi Lo Iacono &lt;lo_iacono@064;nue.et-inf.uni-siegen.de&gt; - adding SIC mode to the blockciphers in the provider.

Tim Sakach &lt;ttsakach@064;certivo.net&gt; - SMIME v2 compatibility patches.

Marcus Povey &lt;mpovey@064;brookes.ac.uk&gt; - adding the PGP mode to the lightweight API and the provider.
Sebastian Clauß &lt;sc2@inf.tu-dresden.de&gt; - adding randomness setting to the certificate and CRL generators.</li>
<li>Nicolas Bielza &lt;nicolas.bielza@alligacom.com&gt; - isolating the tagging bug in the ASN.1 library that was misrepresenting some ASN.1 constructed data types. Contributions to the streaming S/MIME classes.</li>
<li>Casey Marshall &lt;rsdio@metastatic.org&gt; - fixing the clone problem with Macs in the clean room JCE.</li>
<li>Rick Zeldes &lt;rick.zeldes@eds.com&gt; - initial code for CMS/SIMIME CompressedData.</li>
<li>Jarek Gawor &lt;gawor@mcs.anl.gov&gt; - fixing ASN.1 sequence unpacking in BasicConstraints constructor.</li>
<li>Brett Neumeier &lt;random@rnd.cx&gt; - patch to OriginatorIdentifierOrKey object, improvements to encoders package, introduction of UrlBase64.</li>
<li>Graham Coles &lt;graham.coles@64:retail-logic.com&gt; - patch to isParityAdjusted in DESKeySpec.</li>
<li>Julien Morrison &lt;julian@64:extropy.demon.co.uk&gt; - spotting the slow down in Diffie-Hellman key generation.</li>
<li>Elmar Sonnenschein &lt;es0@64:esomail.de&gt; - fix to long conversion in clean room SecureRandom.</li>
<li>Jörg Schwarze &lt;J.Schwarze@64:ult.de&gt; - Locale fix for the clean room JCE.</li>
<li>Bryan Lovquist &lt;blk1@64:cps.com.au&gt; - Other provider compatibility fixes for CMS signing.</li>
<li>Artem Portnoy &lt;Artem_Portnoy@64:ibi.com&gt; - generalisations for CMSProcessableBodyPart in S/MIME. Header fix for mime messages.</li>
<li>Michael H&auml;usler@ulc.de&gt; - Locale fix for the clean room JCE.</li>
<li>Johannes Nicolai &lt;johannes.nicolai@64:novosec.com&gt; - further enhancements to OCSP response generation, fix to CertificateID issuer.</li>
<li>Jan Dvorak &lt;jan.dvorak@mathan.cz&gt; - initial implementation of the light weight Null block cipher.</li>
<li>Joe Cohen &lt;jcohen@64:forumsys.com&gt; - converting the ArrayOutOfBoundsException in DERInputStream into what it should have been.</li>
<li>Chris Long &lt;aclong@64:ecu.cmu.edu&gt; - adding public key decoding to PEMReader.</li>
<li>Hes Siemelink &lt;hes@64:izecom.com&gt; - findIssuer fix for CertPathBuilder, toMimeMessage converter for Mail API, getSize() fix for zero length messages in SMIMEMessage.</li>
<li>Stefan Puiu &lt;stefanpuiuro@64:yahoo.com&gt; - initial implementation V3 policy mapping, policy qualifier objects in ASN.1 X.509 package.</li>
<li>Kaiser Yang &lt;kaiseryang@64:yahoo.com&gt; - Finding BigInteger loop problem in prime generation.</li>
<li>Jiri Urbanec &lt;jiri.urbanec@64:logicacmg.com&gt; - patch to fix defect in DERBMPString.equals().</li>
<li>Justin Kolb &lt;jkolb@64:pristx.com&gt; - patch to DSA signature generation in OpenPGP. Fix for the unexpected "Unexpected end of ZLIB input stream" exception.</li>
<li>Ralf Hauser &lt;ralfhauser@64:gmx.ch&gt; - patch to exception handling in PublicKeyRing, PEMReader, 1.4 build script, X509 Certificate Factory, CertPathValidatorUtilities, fromAddress null check in SignedMailValidator, ReadOnceInputStream testing utility in MIME tests.</li>
<li>Michal Dvorak &lt;M_Dvorak@kb.cz&gt; - getNextUpdate patch for OCSP SingleResp.</li>
<li>Olivier Refalo &lt;Olivier_Refalo@064fpl.com&gt; - null pointer exception fix for JDK 1.3 CMSSignedData
objects.</li>
<li>Mariusz Bandola &lt;mariusz.bandola@cryptotech.com.pl&gt; - patch to DERGeneralizedTime. Compliance patch for OCSP TBSRequest class. Patch to X509Name for delaining with general objects in sequences.</li>
<li>Brien Oberstein &lt;brien.oberstein@transacttools.net&gt; - patch to S2K algorithm in OpenPGP. initial PGP version 3 secret key support, initial PGP version 3 signature generation, RIPEMD160 addition to PGPUt.</li>
<li>Ian Haywood &lt;ian@haywood.bpa.nu&gt; - addition of getSignatureType to PGPSignature.</li>
<li>Jonathan Edwards &lt;s34gull@64mac.com&gt; - initial support for reading multiple rings from a PGP key file.</li>
<li>Andrew Thornton &lt;andrew@64caret.cam.ac.uk&gt; - patch for RSA PUBLIC KEY in PEMReader.</li>
<li>Gregor Leander &lt;gl@64bos-bremen.de&gt; - initial parsing of multiple sequence entries in an X.500 Name.</li>
<li>Antoon Bosselaers &lt;Antoon.Bosselaers@esat.kuleuven.ac.be&gt; - help with RipeMD320 implementation.</li>
<li>Peter Sylvester &lt;Peter.Sylvester@64edelweb.fr&gt; - improvements to the ASN.1 BasicConstraints object.</li>
<li>Doug &lt;ummmm@64myrealbox.com&gt; - addition of isEncryptionKey method to OpenPGP public keys.</li>
<li>Francois Staes &lt;fstaes@64netconsult.be&gt; - improvements to DEBitString, DERGeneralizedTime and initial implementation of DERGeneralString, addition of settable signed object info to CMSSignedDataGenerator, patch to DH key agreement.</li>
<li>W.R. Dittmer &lt;wdittmer@64cs.vu.nl&gt; - patch to decoding of SignatureCreationTime in BCPG. Patch to PGPKeyPair to fix NullPointerException.</li>
<li>Perez Paz Luis Alberto &lt;laperez@64banxico.org.mx&gt; - patch to use of BitString in X.500 name.</li>
<li>James Wright &lt;James_Wright@64harte-hanks.com&gt; - patches for dealing with "odd" ArmoredInputStreams.</li>
<li>Jim Ford &lt;jim@64muirford.com&gt; - patch to PGPSecretKey to avoid null pointer exception on encoding secret keys, comments on KeyExpirationTime, getBitStrength for ElGamal keys. Signature creation time patch for newly created v4 signatures.</li>
<li>Michael Hausler &lt;haeusler@64ponton-consulting.de&gt; - extra aliases for provider.</li>
<li>Sai Pullabhotla &lt;psai@64linoma.com&gt; - fix to PGP compressed data generator to improve compression levels. Performance improvements for KeyBasedLargeFileProcessor.</li>
<li>Joseph Miller &lt;Joseph@64digweb.net.nz&gt; - addition of ZeroBytePadding.</li>
<li>Lars &lt;xyz@64sagemdenmark.dk&gt; - patch to explicit padded mode for CBC block cipher MAC.</li>
<li>Jeroen van Vianen &lt;jeroen@64vanvianen.nl&gt; - the Signed and Encrypted mail example.</li>
<li>Jun Sun &lt;JSun@64diversinet.com&gt; - patch to SecureRandom to work around problem in wtk 1.0.4 and wtk 2.1.</li>
<li>Petr Dukem &lt;pdukem@64email.cz&gt; - patch to CMSSignedDataGenerator to allow it to work with PKCS11 providers.</li>
<li>Filipe Silva &lt;filipe.silva@64wedoconsulting.com&gt; - patch to fix overead issue in BCPGInputStream.</li>
<li>Alpesh Parmar &lt;alps@64linuxmail.org&gt; - patch for class cast problem in PGPPublicKey.getSignature().</li>
<li>Jay Gengelbach &lt;jgengelbach@64webmethods.com&gt; - patch to fix isSigningKey in PGPSecretKey class, patch to hashedPackets in PGP signatureGenerator, initial cut for indefinite length output.</li>
<li>Doug &lt;doug@64tigerprivacy.com&gt; - public key ring patches for ElGamal Signatures, problem key ring data.</li>
<li>Matthew Mundy &lt;mmundy1@64umbc.edu&gt; - infinite loop prevention patch to
PKCS5S2ParametersGenerator.</li>
<li>Tom Cargill &lt;t.cargill@064profcon.com&gt; - spelling patch in provider.</li>
<li>Breitenstrom Christian &lt;C.Breitenstrom@064t-systems.com&gt; - compatibility patch to SignaturePacket, DetachedSignatureProcessor.</li>
<li>Zanotti Mirko &lt;z.anott@064cad.it&gt; - patch to ordered equality test for X509Name.</li>
<li>Nicola Scendoni &lt;n.scedoni@064babelps.it&gt; - patch to add sorting to CertPath validation.</li>
<li>Ville Skytt&auml; &lt;ville.skytt&auml;@064iki.fi&gt; - patch to CRLDistPoint for crLIssuer field. KeyStore compliance on add patches. DiffieHellman patch for provider compliance. Support for PEM object "TRUSTED CERTIFICATE". Exception handling patch in PEMReader. JavaDoc clean up.</li>
<li>Bruce Gordon &lt;bruce.gordon@064savvis.net&gt; - patch to secret key creation encoding NullPointerExeception in OpenPGP, speed up for BCPGInputStream.</li>
<li>Miles Whiteley &lt;Miles.Whiteley@064savvis.net&gt; - "223" fix for BCPGInputStream new packets.</li>
<li>Tom Pesman &lt;tom@tnux.net&gt; - addition of DES-EDE encryption for RSAPrivate keys to PEMWriter.
<li>Lukasz Kowalczyk &lt;lukasz.b.kowalczyk@064gmail.com&gt; - patch to fix parsing issue with OpenSSL PEM based certificate requests.</li>
<li>Arndt Hasch &lt;Arndt.Hasch@064maxence.de&gt; - additional fix for partial reading with new style PGP packets.</li>
<li>Fix Bernd (KCDP 11) &lt;bernd.fix@064credit-suisse.com&gt; - fix for 31 byte issue and exception throwing by Whirlpool.</li>
<li>David M. Lee &lt;dmlee@064crossroads.com&gt; - code for add and remove secret key in the PGPSecretKeyRing class. Additions to S/MIME and CMS unit tests.</li>
<li>Mike Dillon &lt;md5@064embody.org&gt; - additional checks for PGP secret and public key construction, patches to copyWithNewPassword.</li>
<li>Fix Bernd (KCDP 11) &lt;bernd.fix@064credit-suisse.com&gt; - fix for 31 byte issue and exception throwing by Whirlpool.</li>
<li>David M. Lee &lt;dmlee@064crossroads.com&gt; - implementation assistance with streaming CMS classes.</li>
<li>Joel Rees &lt;rees@064ddcom.co.jp&gt; - fix to correct getOID methods from returning same set on X.509 attribute certificates.</li>
<li>Francesc Sau &lt;francesc.sau@064partners.netfocus.es&gt; - micro fix for tsp Accuracy class.</li>
<li>Larry Bugbee &lt;bugbee@064mac.com&gt; - initial ECNR implementation.</li>
<li>Remi Blancher &lt;Remi.Blancher@064keynectis.com&gt; - Contributions to TSP implementation. Initial implementation of RFC 3739 and ICAO ASN.1 classes.</li>
<li>Brian O'Rourke &lt;brianorourke@064gmail.com&gt; - patch for signature creation time override in OpenPGP.</li>
<li>Andreas Schwier &lt;andreas.schwier@064cardcontact.de&gt; - initial implementation of ISO9797 MAC Algorithm 3, addition of DES-EDE 64 MAC to the provider, fix to EC point encoding, addition of EC and RSA-PSS OIDs to CMS, addition of AES-CMAC and DESede-CMAC to JCE provider.</li>
<li>David Josse &lt;david.josse@064transacttool.net&gt; - Patch for trailer function in version 2 signature packets.</li>
<li>Kishimoto Kazuhiko &lt;kazu-k@064hi-ho.ne.jp&gt; - RFC 3280 updates to policy processing in the CertPath validator. Additional test data not covered by NIST.</li>
<li>Lawrence Tan &lt;lwrncntan@064gmail.com&gt; - Large field OID sample test data. Missing key types in JDKKeyFactory.</li>
<li>Carlos Valiente &lt;superdupont@064gmail.com&gt; - Addition of CRL writing to the PEMWriter class.</li>
<li>Keyon AG, Martin Christinat, &lt;a href='http://www.keyon.ch'&gt;http://www.keyon.ch&lt;/a&gt; - fixing incorrect ASN.1 encoding of field elements in X9FieldElement class.</li>
<li>Olaf Keller, &lt;olaf.keller.bc@064bluewin.ch&gt; - initial implementation of the elliptic curves over binary fields F2m. Additional tests and modifications to elliptic curve support for both F2m and Fp. Performance improvements to F2m multiplication. Initial implementation of WNAF/WTNAF point multiplication. Improvement to k value generation in ECDSA.</li>
<li>J&ouml;rge Eichhorn &lt;j&lt;eichhorn@064ponton-consulting.de&gt; - patch to fix EOF read on SharedFileInputStream, support for F2m compression.</li>
<li>Karsten Ohme &lt;widerstand@064t-online.de&gt; - initial check against for out of range data on non byte aligned RSA keys. Addition of equals/hashCode on ECCurve.Fp. Additional curve type support for Fp, contributions to F2m compression. F2m decoding for ECPointUtil. Infinity fix and prime192v2 fix for Fp. Extra validation for RSA key creation. Fix to name typos for some OpenSSL key generators. RFC-1779 table, improved RFC 2253 compliance for X509Name. Additional constructor validation for X.509/ESS ASN.1 classes. Validation for Printable, IA5, and Numeric Strings. Fix for RFC 5280 NameConstraint checking for RDNs.
Support for surrogate pairs in DERUTF8String, DER UTF8 test. Additional X.509 name attributes for ISIS-MTT, RFC 3059, addition of indirect CRL support, initial X509 LDAP CertStore implementation, CertificatePair class, and X509CertificatePair class. Contributions to X509Store/Parser infrastructure and design. CertPath support for implicit DSA parameters and a range of NameConstraints. Addition of support for V1 attribute certificates and attribute certificate path validation. Initial classes for ASN.1 ISIS-MTT support. Enhancements for improving compliance with the NIST CertPath tests.

Carlos Lozano Ruiz &lt;carlos@tradise.com&gt; - patch for &lt;ctrl&gt;&lt;m&gt; only handling in CRLFOutputStream.

John Alfred Prufrock &lt;j.a.prufrock@064gmail.com&gt; - mods to GOST-3411 and MD2 to support ExtendedDigest.

Stefan Neusatz Guilhen &lt;stefan.neusatz@064gmail.com&gt; - initial version of RoleSyntax, improvements to AttributeCertificateHolder and AttributeCertificateIssuer.

Marzio Lo Giudice &lt;marzio.logiudice@064gmail.com&gt; - fix to endianess in KDF2BytesGenerator, additional KDF2 tests.

Georg Lippold &lt;georg.lippold@064gmx.de&gt; - initial implementation of NaccacheStern cipher.

Chris Viles &lt;chris_viles@064yahoo.com&gt; - fix to SignatureSubpacket critical bit setting.

Pasi Eronen &lt;pasi.eronen@064nokia.com&gt; - extra toString() support for ASN.1 library. Initial patch for large OID components.


Maria Ivanova &lt;m.ivanova@064gmail.com&gt; - support for tags > 30 in ASN.1 parsing.

Armin H&auml;berling &lt;arminha@student.ethz.ch&gt; - first cut of internationalisation, initial PKIX validation classes.

Marius Schilder &lt;m.schilder@064google.com&gt; - main set of test vectors for Bleichenbacher's forgery attack.

Xavier Le Vouchr &lt;xavier@064britannysoftware.com&gt; - general code clean ups.

Erik Tews &lt;e_tews@064cdc.informatik.tu-darmstadt.de&gt; - initial threaded random seed generator, constant-time PKCS#1.5 decoding.

Thomas Dixon &lt;reikomusha@064gmail.com&gt; - initial implementations of TEA/XTEA, Salsa20, ISAAC, and Noekeon. XTEA enhancements.

Frank Cornelis &lt;info@064frankcornelis.be&gt; - addition of crlAccessMethod in X509ObjectIdentifiers.

Rui Joaquim &lt;r.joaquim@064cc.isel.ipl.pt&gt; - initial implementation of RSA blinding for signatures.

David Stacey &lt;D.Stacey@064allantgroup.com&gt; - addition of trust packet checking on revocation signatures in PGPSecretKeyRing.

Martijn Brinkers &lt;list@064mitm.nl&gt; - better exception handling in CMS enveloping, "just in time" modifications for CRL and Sequence evaluation.

Julius Davies &lt;juliusdavies@064gmail.com&gt; - additional modes and algorithm support in PEMReader.

Matthias &lt;g@064rtnrer.de&gt; - GnuPG compatibility changes for PBESFileProcessor.

Olga K&auml;lthler &lt;olga.kaelthler@064hjp-consulting.com&gt; - initial implementation of TeleTrust EC curves, additional ISO 9797 MACs, contributions to EAC OIDs, addition of EAC algorithms to CMS Signing.

Germano Rizzo &lt;germano.rizzo@064gmail.com&gt; - initial implementation of CMac, EAX, HC-128, and HC-256, optimisations for Salsa20.

N&amp;uacute;rria Mar&amp;iacute;ac; &lt;nunaa@064hotmail.com&gt; - patch for alternate data type recognition in Open Source Used In NAE (5.1) Glacier Ridge (version 5.1) 5.1.0.6031 8384
CMSSignedDataParser.</li>
<li>Janis Schuller &lt;Janis.Schuller@tzi.de&gt; - addition of NotationData packets for OpenPGP.</li>
<li>Michael Samblanet &lt;mike@samblanet.com&gt; - patches towards improved Sun/default provider support in CMS.</li>
<li>Mike StJohns &lt;mstjohns@604comcast.net&gt; - patches for supporting empty subject in X.509 certificate generation, noneWithECDSA, updates to KeyPurposeId.</li>
<li>Ramon Keller &lt;ramon.keller@604gmex.ch&gt; - patch to deal with null revocations return from other CRL in X509V2CRLGenerator.</li>
<li>Mark Nelson &lt;mark@604nr.com&gt; - correction to excluded DN in name constraints processing for PKIX processing.</li>
<li>Eugene Golushkov &lt;eugene_gff@604ukr.net&gt; - mask fix to single byte read in TlsInputStream.</li>
<li>Julien Pasquier &lt;julienpasquier@604free.fr&gt; - additional classes for supporting signature policy and signer certificates in the ASN.1 esf and ess libraries.</li>
<li>Peter Knopp &lt;pknopp@604ntg.de&gt; - fix for named curve recognition in ECGOST key generation.</li>
<li>Jakub Gwozdzi &lt;gwozdziu@604rpg.pl&gt; - addition of getTsa() to TimeStampTokenInfo.</li>
<li>Bartosz Malkowski &lt;bmalkow@604tigase.org&gt; - initial implementation of VMPC cipher, VMPCRandomeGenerator, VMPCMac.</li>
<li>Tal Yacobi &lt;tal.yacobi@604octavian-tech.com&gt; - fix for issue in OpenPGP examples [BJA-55].</li>
<li>Massimiliano Ziccardi &lt;massimiliano.ziccardi@604gmail.com&gt; - support for counter signature reading in CMS API, update for multiple counter signature attributes, JCA compliance patch for PEM parsing in CertificateFactory.</li>
<li>Andrey Pavlenko &lt;andrey.a.pavlenko@604gmail.com&gt; - security manager patch for PKCS1Encoding property check.</li>
<li>J Ross Nicoll &lt;jrn@604jrn.me.uk&gt; - improved exception handling for getInstance() in ASN.1 library.</li>
<li>Matthew Stevenson &lt;mavricknz@604yahoo.com&gt; - patch to constructor for CRMF CertSequence.</li>
<li>Gabriele Contini &lt;gcontini@604hotpop.com&gt; - identified a bug in ASN.1 library with handling of unterminated NDEFS.</li>
<li>Roelof Naude &lt;roelof.naude@604epiuse.com&gt; - patch for TLS client to send empty client certs in response to HP_CERTIFICATE_REQUEST.</li>
<li>Patrick Peck &lt;peck@604signatureat.at&gt; - identified problem with DERApplicationSpecific and high tag numbers in ASN.1 library.</li>
<li>Michael LeMay &lt;lemaymd@604lemaymd.com&gt; - identified problem with EAX [BJA-93].</li>
<li>Alex Dupre &lt;ale@604FreeBSD.org&gt; - fix to use of Signature rather than SignatureSpi in provider [BJA-90]. Addition of null provider use to SignedPublicKeyAndChallenge and PKCS10CertificationRequest [BJA-102].</li>
<li>Michael Schoene &lt;michael@604sigrid-und-michael.de&gt; - fix of improper handling of null in ExtendedPKIXParameters.setTrustedACIssuers(), check for V2 signingCertificate attribute in TimeStampResponse.validate().</li>
<li>Ion Larrañaga &lt;ilarra@s21sec.com&gt; - fix to default partial packet generation in BCPGOutputStream.</li>
<li>Bob Kerns &lt;bob.kerns@604positscience.com&gt; - fix to hashCode for X509CertificateObject.</li>
<li>Stefan Meyer &lt;stefan.meyer@604evey.de&gt; - backport for PKIXCertPathValidator and SMIMESignedMailReviewer.</li>
<li>Robert J. Moore &lt;Robert.J.Moore@allanbank.com&gt; - speedups for OpenPGPCFB mode, clean room JCE patches.</li>
<li>Rui Hodai &lt;rui@604po.ntts.co.jp&gt; - speed ups for Camellia implementation, CamelliaLightEngine.</li>
<li>Emir Bucalovic &lt;emir.bucalovic@604mail.com&gt; - initial implementation of Grain-v1 and Grain-128.
<li>Torbjorn Svensson &lt;torbe79@gmail.com&gt;; initial implementation of Grain-v1 and Grain-128.</li>
<li>Paul FitzPatrick &lt;bouncycastle_fitz@gmail.com&gt; error message fix to X509LDAPCertStoreSpi, comparison fix to BCStrictStyle.</li>
<li>Henrik Andersson &lt;k.henrik.andersson@gmail.com&gt; addition of UniqueIssuerID to certificate generation.</li>
<li>Cagdas Ciril &lt;cagdacrir@gmail.com&gt; subjectAlternativeName fix for x509CertStoreSelector.</li>
<li>Harakiri &lt;harakiri_23@yahoo.com&gt; datahandler patch for attached parts in SMIME signatures.</li>
<li>Pedro Henriques &lt;pmahenriques@gmail.com&gt; explicit bounds checking for DESKeyGenerator, code simplification for OAEPEncoding.</li>
<li>Lothar Kimminger &lt;job@604kimminger.de&gt; verbose mode for ASN1Dump, support for DER External, DNS performance fix for SMIME API.</li>
<li>Richard Farr &lt;tfarr.se@gmail.com&gt; initial SRP-6a implementation.</li>
<li>Thomas Castiglione &lt;castiglione@604au.ibm.com&gt; patch to encoding for CRMF OptionalValidity.</li>
<li>Elisabetta Romani &lt;eroman@604sogei.it&gt; patch for recognising multiple counter signatures.</li>
<li>Rolf Lindemann &lt;rolf.lundgren@604gmail.com&gt; CMPCertificate constructor from X509CertificateStructure fix.</li>
<li>Petr Kadlec &lt;mormegil@604centrum.cz&gt; fix to sign extension key and IV problem in HC-128, HC-256.</li>
<li>Andreas Antener &lt;antener_a@604gm.mx.ch&gt; fix to buffer reset in AsymmetricBufferedBlockCipher.</li>
<li>Harendra Rawat &lt;hsrawat@yahoo.com&gt; fix for BERConstructedOctetString.</li>
<li>Robin Lundgren &lt;lt737lundgren@604gmail.com&gt; PKCS12 key store to support more flexible attribute specifications [BMA-42].</li>
<li>Alex Antamov &lt;alexantamov@604gmail.com&gt; name look up patch for GOST-2001 parameters.</li>
<li>Mike Lyons &lt;mlyons@604layer7tech.com&gt; work arounds for EC JDK bug 6738532 and JSSE EC naming conventions.</li>
<li>Chris Cole &lt;chris_h_cole@yahoo.com&gt; identified a problem handling null passwords when loading a BKS keystore.</li>
<li>Tomas Krivanek &lt;tom@604attack.cz&gt; added checking of Sender header to SignedMailValidator.</li>
<li>Michael &lt;emfau@604t-online.de&gt; correction of field error in getResponse method in CertRepMessage.</li>
<li>Trevor Perrin &lt;trevor@604cryptography.com&gt; addition of constant time equals to avoid possible timing attacks.</li>
<li>Markus Kilars &lt;markus@604primekey.se&gt; several enhancements to TimeStampResponseGenerator.</li>
<li>Dario Novakovic &lt;darionis@604yahoo.com&gt; fix for NPE when checking revocation reason on CRL without extensions.</li>
<li>Michael Smith &lt;msmith@604cbnco.com&gt; bug fixes and enhancements to the CMP and CRMF classes, initial Master List classes.</li>
<li>Andrea Zilio &lt;andrea.zilio@604yahoo.com&gt; fix for PEM password encryption of private keys.</li>
<li>Alex Birkett &lt;alex@604birkett.co.uk&gt; additional support for EC cipher suites in TLS client (RFC 4492) [#BJA-291].</li>
<li>Wayne Grant &lt;wwwaynedgrant@604gmail.com&gt; additional OIDs for PKCS10 and certificate generation support.</li>
<li>Frank Cornelis &lt;info@604frankcornelis.be&gt; additional support classes for CAdES, enhancements to OCSP classes.</li>
<li>Jan Dittberner &lt;jan@604dittberner.info&gt; addHeader patch for SMIME generator.</li>
<li>Bob McGowan &lt;boab.mcgow@604bitinternet.com&gt; patch to support different object and mgf digests in PSS signing.
<li>Ivo Matheis &lt;i.matheis&#064seeburger.de&gt; fix to padding verification in ISO-9796-1.</li>
<li>Marco Sandrini &lt;t.nessche&#064gmail.com&gt; patch to add IV to ISO9797Alg3Mac.</li>
<li>Alf Malf &lt;alfilmalf&#064hotmail.com&gt; removal of unnecessary limit in CMSContentInfoParser.</li>
<li>Alfonso Massa &lt;alfonso massa@#64insiel.it&gt; contributions to CMS time stamp classes.</li>
<li>Giacomo Boccardo &lt;gboccardo&#064unimaticaspa.it&gt; initial work on CMSTimeStampedDataParser.</li>
<li>Arnis Tartu &lt;arnis&#064ut.ee&gt; patches for dealing with OIDs with specific key sizes associated in CMS.</li>
<li>Janusz Sikociski &lt;j.sikocinski&#064gdzie.pl&gt; addition of Features subpacket support to OpenPGP API.</li>
<li>Juri Hudolejev &lt;jhudolejev&#064gmail.com&gt; JavaDoc fix to CMSSignedDataParser.</li>
<li>Liane Velten &lt;liane.velten&#064hjp-consulting.com&gt; fine tuning of code for DHParameters validation.</li>
<li>Alfonso Massa &lt;alfonso massa@#64insiel.it&gt; addition of Features subpacket support to OpenPGP API.</li>
<li>Shawn Willden &lt;swillden&#064google.com&gt; additional functionality to PGPKKeyRing.</li>
<li>Atanas Krachev &lt;akrachev&#064gmail.com&gt; added support for revocation signatures in OpenPGP.</li>
<li>Mickael Laiking &lt;mickael laiking@#64keynectis.com&gt; initial cut of EAC classes.</li>
<li>Tim Buktu &lt;tbuktu&#064hotmail.com&gt; Initial implementation of NTRU signing and encryption.</li>
<li>Bernd &lt;rbernd&#064gmail.com&gt; Fix for open of PGP literal data stream with UTF-8 naming.</li>
<li>Steing Inge Morisbak &lt;stein.inge.morisbak@#64BEKK.no&gt; Test code for lower case Hex data in PEM headers.</li>
<li>Andreas Schmid &lt;andreas.schmid@#64tngtech.com&gt; Additional expiry time check in PGPPublicKeys.</li>
<li>Phil Steitz &lt;phil steitz#64gmail.com&gt; Final patch eliminating JCE dependencies in the OpenPGP BC classes.</li>
<li>Ignat Korchagin &lt;ignat.korchagin@#64gmail.com&gt; Initial implementation of DSTU-4145-2002, long hash fix for DSTU-4145-2002. </li>
<li>Phil Steitz &lt;phil steitz#64gmail.com&gt; Final patch eliminating JCE dependencies in the OpenPGP BC classes.</li>
<li>Maarten Bodewes &lt;maarten bodewes@#64gmail.com&gt; initial implementation of HKDF and NIST SP 800-108 MAC based KDF functions.</li>
<li>Philip Clay &lt;pilf_b@#64yahoo.com&gt; Initial implementation of J-PAKE.</li>
<li>Samuel Lid&shovel: n Borell &lt;samuel@#64primekey.net&gt; patch to add DSTU-4145 to DefaultSignatureAlgorithmFinder.</li>
<li>Sergio Demian Lerner &lt;sergiolerner@#64certimix.com&gt; pointing out isInfinity issue in ECDSASigner signature verification. </li>
Tim Whittington &lt;Tim.Whittington#064orionhealth.com&gt; patch to remove extra init call in CMac, additional of Memoable interface for Digest classes, initial implementation of GMAC, further correctness tests for IV and reset processing in OCB, CCM, and block cipher reset. Initial implementation of Skein, XSalsa20, ChaCha, reduced round Salsa20, Threefish, and the Poly1305 MAC. Documentation updates. Added OCB support to Noekeon and CAST6 in the provider, exception testing for CTS, optimisations for CCM, provider support for AAD cipher methods, safe CipherInput/OutputStream implementations for use with AAD and subsequent bug fixes, cleanup after IDEA patent expiry, work on JCE SipHash support, optimisations for AESFastEngine, further work on EncodableDigest for SHA-2 digests, contributions to BCrypt/OpenBSDCrypt, PGP API documentation and code quality work.

Marcus Lundblad &lt;marcus.lundblad#064primekey.se&gt; patch for working around JDK jarsigner TSP bug, optional setting of IssuerSerial in TimeStampTokenGenerator, additional extensions enhancement for time stamp token generation.

Andrey Zhozhin &lt;zhozhin#064xrm.ru&gt; patch for override of TSP SignerInfo attributes.

Sergey Tiunov &lt;t5555d#064gmail.com&gt; initial cut of DVCS classes.

Damian Kolasa &lt;fatfredyy#064gmail.com&gt; patch for class cast issue in X9Curve.

Ash Hughes &lt;ashley.hughes#064blueyonder.co.uk&gt; patches for supporting PGPSecretKeyRing/PGPSecretKeys encodings with empty private keys, initial code for PGPSignatureSubpacketVector.getEmbeddedSignatures().

Daniel Hirscher &lt;dev#064daniel-hirscher.de&gt; patch to support parsing of explicit EC parameters in PEM files.

Daniele Ricci &lt;daniele.athome#064gmail.com&gt; initial implementation of EC keys for OpenPGP and RFC6637 support.

Matti Aarnio &lt;matti.aarnio#064methics.fi&gt; tweaks to any build to remove dependence on shell scripts. Initial SM3 digest implementation, some EC related code cleanups, JavaDoc improvements for ASN.1 classes, addition of NONEwithRSA to lightweight RSADigestSigner.

Babak Najafi &lt;bnajafi#064akamai.com&gt; fixes to OpenPGP NotationData to prevent truncation problems.

Eric M&amp;uuml;ller &lt;eric.mueller#064sage.de&gt; additional standard algorithm name lookups in JcaPEMKeyConverter.

Mathias Herberts &lt;Mathias.Herberts#064gmail.com&gt; fix to inOff usage in RFC3394WrapEngine.

Daniil Ivanov &lt;daniil.ivanov#064gmail.com&gt; addition of provider support for GOST HMAC SecretKeyFactory.

Daniele Grasso &lt;daniele.grasso86#064gmail.com&gt; contributions to final Key calculation code for SRP6.

Andrey Utkin &lt;cindrhc#064gmail.com&gt; patch to reconstruction of ECGOST keys from PrivateKeyInfo objects in provider classes.

Arnis Tartu &lt;arnis#064ut.ee&gt; checker for generated key vs OID in JceCMSContentEncryptorBuilder.

AxelVDB &lt;axel-vdb#064riseup.net&gt; initial implementation of Shacal2.

Roberto Tyley &lt;&gt; further work on completing gradle build.

Waldemar Dick &lt;wdick#064devmue.de&gt; code improvement in x500 ASN.1 package.

Sid Steward &lt;sid.steward#064pdflabs.com&gt; code improvements to ASN1Boolean.

Alex Klyubin &lt;klyubin#064google.com&gt; &lt;AlgorithmParameters check for EC key agreement.&lt;/i&gt;

Jonathan Gillett &lt;gsoc.student#064gmail.com&gt; Initial support for block cipher IVs in IESEngine, IES MAC length check bug fix.

Andreas Reiter &lt;andreas.reiter#064iaik.tugraz.at&gt; Reported incomplete status of CertificateVerify processing in (D)TLS server, and provided fix.

Kieran Miller &lt;kieran.miller#064gmail.com&gt; initial implementation for RFC 5649 key wrap with
Oliver Ehli &lt;ehli@064arago.de&gt; Additional support for BSI plain ECDSA in the provider.

Daniel Heldt &lt;Daniel.Heldt@064cryptovision.com&gt; Initial support for encodable state message digests.

Robert Bushman &lt;bouncycastle@064traxel.com&gt; Clean up of DirectKeySignature example.

Maurice Aarts &lt;maarts@064risecure.com&gt; updated to KDF generator to follow NIST SP 800-108.

Franziskus Kiefer &lt;https://github.com/franziskuskiefer&gt; initial implementation of Cramer-Shoup.

KB Sriram &lt;mailto_kb@064yahoo.com&gt; testing for odd encodings for PGP User Attribute Subpackets.

Marco Schulze &lt;marco@064nightlabs.de&gt; Reported verification bug in GenericSigner.

Martin Schaef &lt;https://github.com/martinschaeff&gt; contributed a code-cleanup patch.

dstutz &lt;https://github.com/dstutz&gt; added iteration count setters to PKCS#12 PBE mac/key generator builders.

Tobias Wich &lt;toibas.wich@064ecsec.de&gt; Provided patch for TLS to work around servers sending Supported Elliptic Curves extension unexpectedly.

Hauke Mehrts &lt;mailto@064hauke-m.de&gt; TLS patch to add ECDHE_ECDSA CCM ciphersuites from RFC 7251.

Daniel Zimmerman &lt;dmz@galois.com&gt; Further key quality improvements to RSAKeyPairGenerator.

Jens Kapitzka &lt;j.kapitza@064schwarze-allianz.de&gt; Iterable support in OpenPGP API, code cleanup in OpenPGP API.

Johan Eklund &lt;mailto=johan@064primekey.se&gt; update to RFC 6960 for OCSPObjectIdentifiers.

nikosn &lt;https://github.com/nikosn&gt; Fix to encoding of EC private keys to ensure encoding matches order length.

Axel von dem Bruch &lt;mailto=axel-vdb@riseup.net&gt; Contributions to BCrypt/OpenBSD BCrypt, original version of Blake2bDigest.

Derek Atkins &lt;mailto=derek@064ihtfp.com&gt; Documentation fixes to X9ObjectIdentifiers.

Peter Jr Halicky &lt;mailto=peto@064halicky.sk&gt; Correction to notification/error message handling in SignedMailValidator.

lartiguePierre &lt;https://github.com/lartiguePierre&gt; Fix for counter signature SID in CMSSignedData.

Thomas Belot &lt;mailto=thomas.belot+BC@064gmail.com&gt; initial CertPathLoopTest for demonstrating stack overflow issue.

Rich DiCroce &lt;https://github.com/rdicroce&gt; Initial implementation of server-side TLS-SRP support. TLS API extension to support non-blocking usage.

Bj&ouml;rn Kautler &lt;https://github.com/Vampire&gt; Refinements to cert path validation (authority key addition, certificate order preservation).

Dominik Sch&uuml;rmann &lt;https://github.com/dschuermann&gt; method for returning signatures/verifications without user IDs on PGPPublicKey, method for exposing S2K in PGPSecretKey, constants for GNU protection modes in S2K classes, optional version header for armored output.

Michael &lt;mailto=MSKnete@064web.de&gt; initial fix for bitStrength issue for OpenPGP EC keys, correction for generic type on RecipientInformationStore.

Tobias Wagner &lt;mailto=tobias.wagner@064n-design.de&gt; Fix SecureRandom handling in BcAsymmetricKeyWrapper [#BJA-536].

Sergio Giro &lt;mailto=sgiro@064google.com&gt; Fixed adding of additional stores from CRL distribution point [#BJA-537], Fixed missing null check for CRL certificate issuer [#BJA-538], removal of risky zeroisation code in PBE.java, check for salt in PBEKeys that require it.

bschuette &lt;https://github.com/bschuette&gt; Fixed typo in DefaultSignatureAlgorithmIdentifierFinder, additional methods on CMSSignedDataParser.
<li>Leonard Dallot &lt;https://github.com/dallotTazTag&gt; Fix to S2K usage of none on changing passwords on keys without passwords originally.</li>  
<li>Jan Willem Janssen &lt;j.w.janssen-bouncycastle#064lxtreme.nl&gt; Support for DSAParameters in lightweight SubjectPublicInfoFactory, initial object signer verifier for BC lightweight EC.</li>  
<li>Sebastian Oerding &lt;sebastian.oerding@robotron.de&gt; Fixes to toString() in x509.CertificatePolicies.</li>  
<li>Kai Kramer &lt;kai.kramer#064gmail.com&gt; Code to deal with orphaned chain certificates in the PKCS#12 KeyStore.</li>  
<li>Leonard Dallot &lt;https://github.com/dallotTazTag&gt; Fix to S2K usage of none on changing passwords on keys without passwords originally.</li>  
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<li>Sebastian Oerding &lt;sebastian.oerding@robotron.de&gt; Fixes to toString() in x509.CertificatePolicies.</li>  
<li>Kai Kramer &lt;kai.kramer#064.gmail.com&gt; Code to deal with orphaned chain certificates in the PKCS#12 KeyStore.
weight provider and JCA, parameters patches for ECGOST keys, initial implementation of GOST3412-2015, addition of fromExtensions() for CRLDistPoint.</li>
<li>Artem Storozhuk &lt;storojs72&#064;gmail.com&gt; initial implementation of DSTU7564 (digest) and DSTU7624 (ciper) and their associated modes.</li>
<li>Andreas Glaser &lt;andreas.glaser&#064;gmail.com&gt; patch to recognise ANSSI curves for PKCS#10 requests.</li>
<li>codeborne &lt;https://github.com/cbxp&gt; patch to correct OIDs used in public key digest parameters for ECGOST-2012.</li>
<li>FauxFaux &lt;https://github.com/FauxFaux&gt; patch for JDK 1.9 update to DRBG.java.</li>
<li>4garbage &lt;https://github.com/4garbage&gt; patch to allow GOST3410-94 private keys encoded as integers.</li>
<li>ekszz &lt;https://github.com/ekszz&gt; corrections to SM2 signer to include default identity value.</li>
<li>jminer &lt;https://github.com/jminer&gt; fix to Blake2b for hashes in range of 2**64-127 to 2**64.</li>
<li>str4d &lt;https://github.com/str4d&gt; initial implementation of Blake2s</li>
<li>Scott Woodward &lt;scott&#064;bit3consulting.com&gt; performance fixes for CTRSP800DRBG.</li>
<li>David Strawn &lt;https://github.com/isomarcte&gt; fix for off by one error in SCRYPT bounds checking.</li>
<li>chris mccown &lt;0xchrismccown#064gmail.com&gt; identification of serialisation issue with XMSS/XMSSMT private keys (see also CVE-2018-1000613).</li>
<li>ZZMarquis &lt;https://github.com/ZZMarquis&gt; offset patches for SM2 encryption and decryption, improvement to Array constant time comparison.</li>
<li>Andreas Kretschmer &lt;https://github.com/Akretsch&gt; NPE fix for CertTemplate.getVersion().</li>
<li>Armin Lunkeit, Michael Tautenhahn &lt;&gt; identification of M-R test issue on higher certainty values in RSA key pair generation.</li>
<li>Vincent Breitmoser &lt;https://github.com/valodim&gt; fix to ignore unnecessary checksum calculator on PGP secret key encryption.</li>
<li>Adam Vartanian &lt;https://github.com/flooey&gt; use of ShortBuffer exception and buffer size pre-check in Cipher.doFinal().</li>
<li>Bernd &lt;https://github.com/ekci&gt; Fix to make PGPUtil.pipeFileContents use buffer and not leak file handle.</li>
<li>Shartung &lt;https://github.com/shartung&gt; Additional EC Key Agreement algorithms in support of German BSI TR-03111.</li>
<li>Paul Schaub &lt;https://github.com/vanitasvitae&gt; bringing PGPSecretKey.getUserIds() into line with PGPPublicKey.getUserIds(). Exception message fix in BePublicKeyDataDecryptorFactory. Additional tests on PGP key ring generation.</li>
<li>Nick of Nexxar &lt;https://github.com/nros&gt; update to OpenPGP package to handle a broader range of EC curves.</li>
<li>catbref &lt;https://github.com/catbref&gt; sample implementation of RFC 7748/Ed25519 (incorporated work from github users Valodim and str4d as well).</li>
<li>gerlion &lt;https://github.com/gerlion&gt; detection of concurrency issue with pre-1.60 EC math library.</li>
<li>fgrieu &lt;fgrieu#064gmail.com&gt; identification and suggested fixes for possible timing vulnerability in OAEPEncoding and RSACoreEngine.</li>
<li>MTG &lt;https://github.com/mtgag&gt; patch for decoding issues in PKIPublicationInfo and CertifiedKeyPair.</li>
<li>Andreas Gadermaier &lt;up.gadermaier#064gmail.com&gt; initial version of Argon2 PBKDF algorithm.</li>
<li>Tony Washer &lt;tony.washer@yahoo.co.uk&gt; review of qTesla, Java 1.9 module code, additional test code and debugging for GOST, DSTU, and ECNR algorithms. Initial lightweight implementation of the ZUC ciphers and macs.</li>
<li>Vincent Bouckaert &lt;https://github.com/veebee&gt; initial version of RFC 4998 ASN.1 classes.


Gabriel Sroka &lt;https://github.com/gabrielsroka&gt; corrected comments in RSA validation.

sarah-mdv &lt;https://github.com/sarah-mdv&gt; improvements to JceKeyTransRecipientInfoGenerator, tests for JournalingSecureRandom, initial implementation of JournaledAlgorithm.


Gabriel Sroka &lt;https://github.com/gabrielsroka&gt; corrected comments in RSA validation.

Haemin Yoo &lt;https://github.com/yoohaemin&gt; Javadoc fixes.

Antoine Toulme &lt;https://github.com/atoulme&gt; Initial implementation of EthereumIESEngine.

Golden Looly &lt;https://github.com/looly&gt; Patch for addition of C1C3C2 mode to SM2Engine.

Moses Palm&aelig;r,&r, TrueSec &lt;Henrik.Palmer@truesec.se&gt; Additional improvements to constant time comparisons.

Ren&eacute; Korthaus &lt;https://github.com/securitykernel&gt; Update to XMSS/XMSS^MT OID values to bring them in line with RFC 8391.

THausherr &lt;https://github.com/THausherr&gt; Addition generic support for CMS/TSP functions.

Gaylor Bosson &lt;https://github.com/Gilthoniel&gt; Initial implementation of Blake2xs.

gaellalire &lt;https://github.com/gaellalire&gt; Patch for unprotected PGP private keys as SExpr.

im-scooter &lt;https://github.com/im-scooter&gt; Patch for case-insensitive behaviour of Param-Z.

Nick hitchan &lt;https://github.com/hitchan&gt; Fix for typo in engineInitSign() in EdEc: SignatureSpi.

dbusche &lt;https://github.com/dbusche&gt; Argon2 optimisations.

Daniel Heldt &lt;https://github.com/dheldt&gt; Fixing encodings in unicode tests to allow a wider range of Java compilers to work. Tweak to inheritance in JceKeyAgreeRecipient.

Ugochukwu Mmaduekwe &lt;https://github.com/Xor-el&gt; Fix for initially bugged legacy Integers.numberOfLeadingZeros method.

Gsealy &lt;https://github.com/Gsealy&gt; addition of PBKDF2withHmacSM3 to the provider.

aphuang2013 &lt;https://github.com/aphuang2013&gt; update to path validation in EST service for ClearPath EST.

Kevin Herron &lt;https://github.com/kevinherron&gt; Initial ChaCha20Poly1305 prototype.

vkreml &lt;https://github.com/vkreml&gt; GOST compliance change for DefaultCMSSignatureEncryptionAlgorithmFinder.

Tobias Ospelt &lt;https://github.com/tobias&amp;#064pentagrid.ch&gt; Identification of 1.63 regression in ASN.1 parsing.
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1.806 plexus-cipher 1.7

1.807 glibc 2.17

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1.811 handlebars-jackson2 4.1.2

1.812 pythonurllib 1.10.2 7.el7

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# Contributions to the urllib project

## Creator & Maintainer

* Andrey Petrov <andrey.petrov@shazow.net>

## Contributors

In chronological order:

* victor.vde <http://code.google.com/u/victor.vde/>
  * HTTPS patch (which inspired HTTPSConnectionPool)

* erikcederstrand <http://code.google.com/u/erikcederstrand/>
  * NTLM-authenticated HTTPSConnectionPool
  * Basic-authenticated HTTPSConnectionPool (merged into make_headers)

* niphlod <niphlod@gmail.com>
  * Client-verified SSL certificates for HTTPSConnectionPool
  * Response gzip and deflate encoding support
  * Better unicode support for filepost using StringIO buffers

* btoconnor <brian@btoconnor.net>
  * Non-multipart encoding for POST requests

* p.dobrogost <http://code.google.com/u/@WBRSRIBZDhBFXQB6/>
  * Code review, PEP8 compliance, benchmark fix

* kennethreitz <me@kennethreitz.com>
  * Bugfixes, suggestions, Requests integration

* georgemarshall <http://github.com/georgemarshall>
  * Bugfixes, Improvements and Test coverage

* Thomas Kluyver <thomas@kluyver.me.uk>
  * Python 3 support

* brandon-rhodes <http://rhodesmill.org/brandon>
  * Design review, bugfixes, test coverage.
* studer <theo.studer@gmail.com>
  * IPv6 url support and test coverage

* Shivaram Lingamneni <slingamn@cs.stanford.edu>
  * Support for explicitly closing pooled connections

* hartator <hartator@gmail.com>
  * Corrected multipart behavior for params

* Thomas Weischuh <thomas@t-8ch.de>
  * Support for TLS SNI
  * API unification of ssl_version/cert_reqs
  * SSL fingerprint and alternative hostname verification
  * Bugfixes in testsuite

* Sune Kirkeby <mig@ibofobi.dk>
  * Optional SNI-support for Python 2 via PyOpenSSL.

* Marc Schlaich <marc.schlaich@gmail.com>
  * Various bugfixes and test improvements.

* Bryce Boe <bbzbryce@gmail.com>
  * Correct six.moves conflict
  * Fixed pickle support of some exceptions

* Boris Figovsky <boris.figovsky@ravellosystems.com>
  * Allowed to skip SSL hostname verification

* Cory Benfield <http://lukasa.co.uk/about/>
  * Stream method for Response objects.
  * Return native strings in header values.
  * Generate 'Host' header when using proxies.

* Jason Robinson <jaywink@basshero.org>
  * Add missing WrappedSocket.fileno method in PyOpenSSL

* Audrius Butkevicius <audrius.butkevicius@elastichosts.com>
  * Fixed a race condition

* Stanislav Vitkovskiy <stas.vitkovsky@gmail.com>
  * Added HTTPS (CONNECT) proxy support

* Stephen Holsapple <sholsapp@gmail.com>
  * Added abstraction for granular control of request fields

* Martin von Gagern <Martin.vGagern@gmx.net>
  * Support for non-ASCII header parameters
* Kevin Burke <kev@inburke.com> and Pavel Kirichenko <juanych@yandex-team.ru>
  * Support for separate connect and request timeouts

* Peter Waller <p@pwaller.net>
  * HTTPResponse.tell() for determining amount received over the wire

* Nipunn Koorapati <nipunn1313@gmail.com>
  * Ignore default ports when comparing hosts for equality

* Danilo @dbrgn <http://dbrgn.ch/>
  * Disabled TLS compression by default on Python 3.2+
  * Disabled TLS compression in pyopenssl contrib module
  * Configurable cipher suites in pyopenssl contrib module

* Roman Bogorodskiy <roman.bogorodskiy@ericsson.com>
  * Account retries on proxy errors

* Nicolas Delaby <nicolas.delaby@ezeep.com>
  * Use the platform-specific CA certificate locations

* Josh Schneier <https://github.com/jschneier>
  * HTTPHeaderDict and associated tests and docs
  * Bugfixes, docs, test coverage

* Tahia Khan <http://tahia.tk/>
  * Added Timeout examples in docs

* Arthur Grunseid <http://grunseid.com>
  * source_address support and tests (with https://github.com/bui)

* Ian Cordasco <graffatcolmingov@gmail.com>
  * PEP8 Compliance and Linting
  * Add ability to pass socket options to an HTTP Connection

* Erik Tollerud <erik.tollerud@gmail.com>
  * Support for standard library io module.

* Krishna Prasad <kprasad.iitd@gmail.com>
  * Google App Engine documentation

* Aaron Meurer <asmeurer@gmail.com>
  * Added Url.url, which unparses a Url

* Evgeny Kapun <abacabadabacaba@gmail.com>
  * Bugfixes

* Benjamen Meyer <bm_witness@yahoo.com>
* Security Warning Documentation update for proper capture

* Shivan Sornarajah <github@sornars.com>
  * Support for using ConnectionPool and PoolManager as context managers.

* Alex Gaynor <alex.gaynor@gmail.com>
  * Updates to the default SSL configuration

* [Your name or handle] <[email or website]> 
  * [Brief summary of your changes]

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1.813 go-connections 1.13.1-102.git7f2769b.el7.centos

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1.814 xmlsec 1.2.20-7.el7_4

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Upstream Authors: Douglas Gilbert <dgilbert at interlog dot com>,
Bruce Allen <ballen at gravity dot phy dot uwm dot edu>,
Peter Allworth <linsol at zeta dot org dot au>,
James Bottomley <jejb at parisc-linux dot org>,
Lars Marowsky-Bree <lmb at suse dot de>,
Kurt Garloff <garloff at suse dot de>,
Grant Grundler <grundler at parisc-linux dot org>,
Christophe Varoqui <christophe dot varoqui at free dot fr>,
Michael Weller <eowmob at exp-math dot uni-essen dot de>,
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    Peter Allworth <linsol at zeta dot org dot au>,
    James Bottomley <jejb at parisc-linux dot org>,
    Lars Marowsky-Bree <lmb at suse dot de>,
    Kurt Garloff <garloff at suse dot de>,
    Grant Grundler <grundler at parisc-linux dot org>,
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>>> freebsd-base64-4.8

base64.c -- routines to encode/decode base64 data
$OpenLDAP: pkg/ldap/libraries/liblutil/base64.c,v 1.15 2006/01/03 22:12:11 kurt Exp $ /
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[OPENVMTOOLS1030GANV061518]

1.827 byte-buddy 1.7.11

1.828 aether-impl 1.0.2.v20150114
1.828.1 Available under license:

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1.829 tribe 6.5.4

1.830 stateless4j 2.5.0
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* /opt/ws_local/PERMITS_SQL/1050354490_1591726454.95/0/stateless4j-2-5-0-sources-1-
  jar/com/github/oxo42/stateless4j/delegates/FuncBoolean.java
* /opt/ws_local/PERMITS_SQL/1050354490_1591726454.95/0/stateless4j-2-5-0-sources-1-
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1.831 jaxen 1.1.2

1.832 repository-url 6.5.4

1.833 jline-reader 3.6.0

1.834 spring-cloud-starter-netflix-archaius 2.0.0.rc2

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  jar/com/google/errorprone/annotations/OverridingMethodsMustInvokeSuper.java
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* /opt/ws_local/PERMITS_SQL/1011812668_1591898465.74/0/hdrhistogram-2-1-11-sources-jar/org/HdrHistogram/EncodableHistogram.java
* /opt/ws_local/PERMITS_SQL/1011812668_1591898465.74/0/hdrhistogram-2-1-11-sources-jar/org/HdrHistogram/DoublePercentileIterator.java
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1.848 nio-stream-storage 1.1.3

1.849 hashicorp-serf 1.13.1-103.git7f2769b.el7.centos

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Gocheck - A rich testing framework for Go

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

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Ajay Joshi <jaj@google.com>
Balzs Dn <balazs.dan@gmail.com>
Bharat Mediratta <bharat@menalto.com>
Chandler Carruth <chandlerc@google.com>
Chris Prince <cprince@google.com>
Chris Taylor <taylorc@google.com>
Dan Egnor <egnor@google.com>
Eric Roman <eroman@chromium.org>
Hady Zalek <hady.zalek@gmail.com>
Jeffrey Yasskin <jyasskin@google.com>
Ji Sigursson <joi@google.com>
Keir Mierle <mierle@gmail.com>
Keith Ray <keith.ray@gmail.com>
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1.860 go-jsonpointer 1.10

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1.861 snappy 1.1.0 3.el7

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* /opt/ws_local/PERMITS_SQL/1032655745_1594238171.64/0/jopt-simple-5-0-2-sources-1-jar/joptsimple/internal/Rows.java
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* /opt/ws_local/PERMITS_SQL/1032655745_1594238171.64/0/jopt-simple-5-0-2-sources-1-jar/joptsimple/OptionSet.java
* /opt/ws_local/PERMITS_SQL/1032655745_1594238171.64/0/jopt-simple-5-0-2-sources-1-jar/joptsimple/NonOptionArgumentSpec.java
* /opt/ws_local/PERMITS_SQL/1032655745_1594238171.64/0/jopt-simple-5-0-2-sources-1-jar/joptsimple/internal/ReflectionException.java
* /opt/ws_local/PERMITS_SQL/1032655745_1594238171.64/0/jopt-simple-5-0-2-sources-1-jar/joptsimple/OptionSpecTokenizer.java
* /opt/ws_local/PERMITS_SQL/1032655745_1594238171.64/0/jopt-simple-5-0-2-sources-1-jar/joptsimple/UnavailableOptionException.java
* /opt/ws_local/PERMITS_SQL/1032655745_1594238171.64/0/jopt-simple-5-0-2-sources-1-jar/joptsimple/internal/SimpleOptionNameMap.java
* /opt/ws_local/PERMITS_SQL/1032655745_1594238171.64/0/jopt-simple-5-0-2-sources-1-jar/joptsimple/ArgumentList.java
* /opt/ws_local/PERMITS_SQL/1032655745_1594238171.64/0/jopt-simple-5-0-2-sources-1-jar/joptsimple/NoArgumentOptionSpec.java
* /opt/ws_local/PERMITS_SQL/1032655745_1594238171.64/0/jopt-simple-5-0-2-sources-1-jar/joptsimple/ArgumentAcceptingOptionSpec.java
* /opt/ws_local/PERMITS_SQL/1032655745_1594238171.64/0/jopt-simple-5-0-2-sources-1.jar/joptsimple/OptionArgumentConversionException.java
* /opt/ws_local/PERMITS_SQL/1032655745_1594238171.64/0/jopt-simple-5-0-2-sources-1.jar/joptsimple/util/InetAddressConverter.java
* /opt/ws_local/PERMITS_SQL/1032655745_1594238171.64/0/jopt-simple-5-0-2-sources-1.jar/joptsimple/internal/AbbreviationMap.java
* /opt/ws_local/PERMITS_SQL/1032655745_1594238171.64/0/jopt-simple-5-0-2-sources-1.jar/joptsimple/internal/Reflection.java
* /opt/ws_local/PERMITS_SQL/1032655745_1594238171.64/0/jopt-simple-5-0-2-sources-1.jar/joptsimple/ValueConverter.java

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1.864 scala 2.11.12
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not-a-legal-formal-parameter-tuple.scala:2: error: not a legal formal parameter.
Note: Tuples cannot be directly destructured in method or function parameters.

Either create a single parameter accepting the Tuple2,
or consider a pattern matching anonymous function: `\[ case (a, b) => ... \]
val x: ((Int, Int) => Int) = (((a, b)) => a)

^ not-a-legal-formal-parameter-tuple.scala:3: error: not a legal formal parameter.
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Either create a single parameter accepting the Tuple2,
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val y: ((Int, Int) => Int) = (((a, !!)) => a)

^ not-a-legal-formal-parameter-tuple.scala:4: error: not a legal formal parameter.
Note: Tuples cannot be directly destructured in method or function parameters.

Either create a single parameter accepting the Tuple3,
or consider a pattern matching anonymous function: `\[ case (param1, ..., param3) => ... \]
val z: ((Int, Int, Int) => Int) = (((a, NotAPatternVariableName, c)) => a)

^ three errors found
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 */
1.867 protobuf-java-util 3.7.1

1.868 opensaml-storage-impl 3.3.0

1.869 mesa 18.3.4-7.el7_8.1

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Subject: RE: Question about Mesa MLAA license
From: Jorge Jimenez <iryoku@gmail.com>
Date: 01/08/2013 12:50 PM
To: Tom Callaway <tcallawa@redhat.com>
CC: "jorge@iryoku.com" <jorge@iryoku.com>

Yes to both questions.

Thanks,
Jorge

From: Tom Callaway <tcallawa@redhat.com>
Sent: January 8, 2013 6:49 PM
To: Jorge Jimenez <iryoku@gmail.com>
CC: jorge@iryoku.com
Subject: Re: Question about Mesa MLAA license

On 01/08/2013 12:39 PM, Jorge Jimenez wrote:
> Hi Tom,
> 
> What we meant with that is that we made an exception for clause 2.
> Instead of clause 2, in the case of the Mesa project, you have to name
> the technique Jimenez's MLAA in the config options of Mesa. We did that
> just to allow them to solve license issues. This exception should be for
> the Mesa project, and any project using Mesa, like Fedora.
> 
> We want to widespread usage of our MLAA, so we want to avoid any kind of
> license complications. Hope current one is good for Fedora, if not
> please tell, and we'll see what we can do!

Okay, a few more questions:

* If Fedora decides to simply reproduce the quoted statement:
  "Uses Jimenez's MLAA. Copyright (C) 2010 by Jorge Jimenez, Belen Masia,
  Jose I. Echevarria, Fernando Navarro and Diego Gutierrez."

  Specifically, if this is done as part of documentation included with
  Mesa, is that sufficient to meet clause 2 even if the Mesa config option
  is not set as described in your exception?

* Currently, the Mesa config option for MLAA says: "Morphological
  anti-aliasing based on Jimenez's MLAA. 0 to disable, 8 for default
  quality". Is this in compliance with your exception?

Thanks again,

~tom

==

Fedora Project

Subject: RE: Question about Mesa MLAA license
From: Jorge Jimenez <iryoku@gmail.com>
Date: 01/08/2013 12:39 PM
To: "jorge@iryoku.com" <jorge@iryoku.com>, Tom Callaway <tcallawa@redhat.com>

Hi Tom,

What we meant with that is that we made an exception for clause 2.
Instead of clause 2, in the case of the Mesa project, you have to name
the technique Jimenez's MLAA in the config options of Mesa. We did that
just to allow them to solve license issues. This exception should be for the Mesa project, and any project using Mesa, like Fedora.

We want to widespread usage of our MLAA, so we want to avoid any kind of license complications. Hope current one is good for Fedora, if not please tell, and we'll see what we can do!

Cheers,
Jorge

From: Tom Callaway <tcallawa@redhat.com>
Sent: January 8, 2013 6:30 PM
To: jorge@iryoku.com
Subject: Question about Mesa MLAA license

Jorge,

Thanks for all of your fantastic graphics work! I have been auditing Fedora (a popular distribution of Linux) for license compliance and I came across your MLAA code in Mesa.

The license says:

* 2. Redistributions in binary form must reproduce the following statement:
*   
*   "Uses Jimenez's MLAA. Copyright (C) 2010 by Jorge Jimenez, Belen Masia, Jose I. Echevarria, Fernando Navarro and Diego Gutierrez."
*

That wording is unclear. When you say "Only for use in the Mesa project...", it seems like you could either be saying:

- This code may only be used as part of Mesa.

OR

- In Mesa, you can comply with clause 2 by simply selecting "Jimenez's MLAA" in the Mesa config options.

*****

If the first item is true, then we may have to remove the MLAA code from Fedora's copy of Mesa. However, looking at the license on your SMAA code, I do not believe it to be the case. Please let me know either way!
Thanks in advance,

Tom Callaway
Fedora Legal

==
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1.871 psmisc 22.20 16.el7

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Benoit Sigoure <tsuna@google.com>
Bogdan Piloca <boo@google.com>
Chandler Carruth <chandlerc@google.com>
Dave MacLachlan <dmaclach@gmail.com>
David Anderson <danderson@google.com>
Dean Sturtevant
Gene Volovich <gv@cite.com>
Hal Burch <gmock@hburch.com>
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Jim Keller <jimkeller@google.com>
Joe Walnes <joe@truemesh.com>
Jon Wray <jwray@google.com>
Keir Mierle <mierle@gmail.com>
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Kostya Serebryan <kcc@google.com>
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include/GL/wglxext.h :

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Chris Prince <cprince@gmail.com>
Chris Taylor <taylorc@gmail.com>
Dan Egnor <egnor@gmail.com>
Eric Roman <eroman@chromium.org>
Hady Zalek <hady.zalek@gmail.com>
```
Jeffrey Yasskin <jyasskin@google.com>
Ji Sigursson <joi@google.com>
Keir Mierle <mierle@gmail.com>
Keith Ray <keith.ray@gmail.com>
Kenton Varda <kenton@google.com>
Manuel Klimek <klimek@google.com>
Markus Heule <markus.heule@gmail.com>
Mika Raento <mikie@iki.fi>
Mikls Fazekas <mfazekas@szemafor.com>
Pasi Valminen <pasi.valminen@gmail.com>
Patrick Hanna <phanna@google.com>
Patrick Riley <spfr@google.com>
Peter Kaminski <piotrk@google.com>
Preston Jackson <preston.a.jackson@gmail.com>
Rainer Klaffenboeck <rainer.klaffenboeck@dynatrace.com>
Russ Cox <rsc@google.com>
Russ Rufer <russ@pentad.com>
Sean Mcafee <seefacm@gmail.com>
Sigurur sgeirsson <sippi@google.com>
Tracy Bialik <tracy@pentad.com>
Vadim Berman <vadimb@google.com>
Vlad Losev <vladl@google.com>
Zhanyong Wan <wan@google.com>

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 */
/**
 * A method-level constraint, that evaluates a script expression against the
 * annotated method or constructor. This constraint can be used to implement
 * validation routines that depend on several parameters of the annotated
 * executable.
 * </p>
 * <p>
 * Script expressions can be written in any scripting or expression language,
 * for which a <a href="http://jcp.org/en/jsr/detail?id=223">JSR 223</a>
 * compatible engine can be
 * found on the classpath. To refer to a parameter within the scripting
 * expression, use its name as obtained by the active
 * {link javax.validation.ParameterNameProvider}. By default, {code arg0}, {code arg1} etc.
 * will be used as parameter names.
 * </p>
 * <p>
 * The following listing shows an example using the JavaScript engine which
 * comes with the JDK:
 * </p>
 * <pre>
 * @ParameterScriptAssert(script = "arg0.before(arg1)", lang = "javascript")
 * public void createEvent(Date start, Date end) { ... }
 * }
 * </pre>
 * <p>
 * Can be specified on any method or constructor.
 * </p>
 *
 * @author Gunnar Morling
 */

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jar/org/hibernate/validator/messageinterpolation/package.html
* /opt/ws_local/PERMITS_SQL/1069142266_1594508526.34/0/hibernate-validator-5-4-2-final-sources-1-
jar/org/hibernate/validator/internal/engine/messageinterpolation/el/package.html
* /opt/ws_local/PERMITS_SQL/1069142266_1594508526.34/0/hibernate-validator-5-4-2-final-sources-1-
jar/org/hibernate/validator/constraints/package.html
* /opt/ws_local/PERMITS_SQL/1069142266_1594508526.34/0/hibernate-validator-5-4-2-final-sources-1-
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* /opt/ws_local/PERMITS_SQL/1069142266_1594508526.34/0/hibernate-validator-5-4-2-final-sources-1-
jar/org/hibernate/validator/overview.html
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jar/org/hibernate/validator/internal/annotationfactory/package.html
* /opt/ws_local/PERMITS_SQL/1069142266_1594508526.34/0/hibernate-validator-5-4-2-final-sources-1-
jar/org/hibernate/validator/cfg/package.html
* /opt/ws_local/PERMITS_SQL/1069142266_1594508526.34/0/hibernate-validator-5-4-2-final-sources-1-
jar/org/hibernate/validator/resourceloading/package.html
* /opt/ws_local/PERMITS_SQL/1069142266_1594508526.34/0/hibernate-validator-5-4-2-final-sources-1-
jar/org/hibernate/validator/internal/classhierarchy/package.html
* /opt/ws_local/PERMITS_SQL/1069142266_1594508526.34/0/hibernate-validator-5-4-2-final-sources-1-
jar/org/hibernate/validator/internal/metadata/aggregated/rule/package.html
* /opt/ws_local/PERMITS_SQL/1069142266_1594508526.34/0/hibernate-validator-5-4-2-final-sources-1-
jar/META-INF/validation-configuration-1.0.xsd
* /opt/ws_local/PERMITS_SQL/1069142266_1594508526.34/0/hibernate-validator-5-4-2-final-sources-1-
jar/org/hibernate/validator/internal/cfg/context/package.html
* /opt/ws_local/PERMITS_SQL/1069142266_1594508526.34/0/hibernate-validator-5-4-2-final-sources-1-
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* /opt/ws_local/PERMITS_SQL/1069142266_1594508526.34/0/hibernate-validator-5.4.2-final-sources-1-jar/org/hibernate/validator/internal/util/Contracts.java
* /opt/ws_local/PERMITS_SQL/1069142266_1594508526.34/0/hibernate-validator-5.4.2-final-sources-1-jar/org/hibernate/validator/internal/xml/ValidationXmlParser.java
* /opt/ws_local/PERMITS_SQL/1069142266_1594508526.34/0/hibernate-validator-5.4.2-final-sources-1-jar/org/hibernate/validator/internal/util/privilegedactions/LoadClass.java
* /opt/ws_local/PERMITS_SQL/1069142266_1594508526.34/0/hibernate-validator-5.4.2-final-sources-1-jar/org/hibernate/validator/internal/confi

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* /opt/ws_local/PERMITS_SQL/1069142266_1594508526.34/0/hibernate-validator-5.4.2-final-sources-1-jar/org/hibernate/validator/internal/constraintvalidators/bv/AssertTrueValidator.java
* /opt/ws_local/PERMITS_SQL/1069142266_1594508526.34/0/hibernate-validator-5.4.2-final-sources-1-jar/org/hibernate/validator/cfg/context/ParameterTarget.java
* /opt/ws_local/PERMITS_SQL/1069142266_1594508526.34/0/hibernate-validator-5.4.2-final-sources-1-jar/org/hibernate/validator/internal/engine/messageinterpolation/ParameterTermResolver.java
* /opt/ws_local/PERMITS_SQL/1069142266_1594508526.34/0/hibernate-validator-5.4.2-final-sources-1-jar/org/hibernate/validator/internal/constraintvalidators/bv/package-info.java
* /opt/ws_local/PERMITS_SQL/1069142266_1594508526.34/0/hibernate-validator-5.4.2-final-sources-1-jar/org/hibernate/validator/constraints/ModCheck.java
* /opt/ws_local/PERMITS_SQL/1069142266_1594508526.34/0/hibernate-validator-5.4.2-final-sources-1-jar/org/hibernate/validator/cfg/context/TypeTarget.java
* /opt/ws_local/PERMITS_SQL/1069142266_1594508526.34/0/hibernate-validator-5.4.2-final-sources-1-jar/org/hibernate/validator/internal/engine/messageinterpolation/el/MapBasedFunctionMapper.java
* /opt/ws_local/PERMITS_SQL/1069142266_1594508526.34/0/hibernate-validator-5.4.2-final-sources-1-jar/org/hibernate/validator/internal/util/IdentitySet.java
* /opt/ws_local/PERMITS_SQL/1069142266_1594508526.34/0/hibernate-validator-5.4.2-final-sources-1-jar/org/hibernate/validator/ResourceLoading/CachingResourceBundleLocator.java
* /opt/ws_local/PERMITS_SQL/1069142266_1594508526.34/0/hibernate-validator-5.4.2-final-sources-1-jar/org/hibernate/validator/cfg/defs/SafeHtmlDef.java
* /opt/ws_local/PERMITS_SQL/1069142266_1594508526.34/0/hibernate-validator-5.4.2-final-sources-1-jar/org/hibernate/validator/cfg/defs/AssertFalseDef.java
* /opt/ws_local/PERMITS_SQL/1069142266_1594508526.34/0/hibernate-validator-5.4.2-final-sources-1-jar/org/hibernate/validator/internal/metadata/descriptor/ConstraintDescriptorImpl.java
* /opt/ws_local/PERMITS_SQL/1069142266_1594508526.34/0/hibernate-validator-5.4.2-final-sources-1-jar/org/hibernate/validator/internal/util/metadata/aggregated/ExecutableMetaData.java
* /opt/ws_local/PERMITS_SQL/1069142266_1594508526.34/0/hibernate-validator-5.4.2-final-sources-1-jar/org/hibernate/validator/internal/constraintvalidators/bv/package-info.java
* /opt/ws_local/PERMITS_SQL/1069142266_1594508526.34/0/hibernate-validator-5.4.2-final-sources-1-jar/org/hibernate/validator/internal/annotationfactory/AnnotationDescriptor.java
* /opt/ws_local/PERMITS_SQL/1069142266_1594508526.34/0/hibernate-validator-5.4.2-final-sources-1-jar/org/hibernate/validator/internal/metadata/descriptor/ExecutableMetaData.java
* /opt/ws_local/PERMITS_SQL/1069142266_1594508526.34/0/hibernate-validator-5.4.2-final-sources-1-jar/org/hibernate/validator/internal/metadata/descriptor/ConstraintDescriptorImpl.java
jar/org/hibernate/validator/cfg/context/Constrainable.java
*/
* /opt/ws_local/PERMITS_SQL/1069142266_1594508526.34/0/hibernate-validator-5-4-2-final-sources-1-
jar/org/hibernate/validator/internal/util/classhierarchy/Filter.java
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*/
/**
* Retrieves constraint related meta data for the parameters of the given
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*
* @param executable The executable of interest.
*
* @return A list with parameter meta data for the given executable.
*/

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jar/org/hibernate/validator/internal/metadata/provider/AnnotationMetaDataProvider.java
1.879 cdi-api 1.2

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* configure.ac, Makefile.am: The original versions were derived from the
  ones in the XML Catalog Manager project, version 2.2.

  Author: Julio Merino <jmmv@users.sourceforge.net>
* atf-c/ui.c: The format_paragraph and format_text functions were derived from the ones in the Monotone project, revision 3a0982da308228d796df35f98d787c5c0ff2bb5f6.

Author: Julio Merino <jmmv@NetBSD.org>

* atf-c++/detail/io.hpp, atf-c++/detail/io.cpp, atf-c++/detail/io_test.cpp: These files were derived from the file_handle, systembuf, pipe and pistream classes and tests found in the Boost.Process library.

Author: Julio Merino <jmmv84@gmail.com>

* admin/check-style.sh, admin/check-style-common.awk, admin/check-style-cpp.awk, admin/check-style-shell.awk: These files, except the first one, were first implemented in the Buildtool project. They were later adapted to be part of Boost.Process and, during that process, the shell script was created.

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1.887 protobuf-java 3.9.1

1.888 spring-hateoas 0.24.0.RELEASE

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1.890 zlib 1.2.8

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

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Gocheck - A rich testing framework for Go

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1.897 mongod-start 2.0.1.RELEASE

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Written by: Philip Hazel
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zlib.h -- interface of the 'zlib' general purpose compression library
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  Anton Blanchard <anton@au.ibm.com>
  Bryan Chan <bryan.chan@ca.ibm.com>
  Chris Zou <chriszou@ca.ibm.com>

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Java ClassMate library was originally written by Tatu Saloranta (tatu.saloranta@iki.fi)

Other developers who have contributed code are:

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

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Gocheck - A rich testing framework for Go

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THE BASIC LIBRARY FUNCTIONS
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Written by: Philip Hazel
Email local part: ph10
THE C++ WRAPPER FUNCTIONS
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zlib.h -- interface of the 'zlib' general purpose compression library
version 1.2.8, April 28th, 2013

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    Aaron Staple
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Author(s):
- Hendrik Brueckner <brueckner@linux.vnet.ibm.com>
- Anton Blanchard <anton@au.ibm.com>
- Bryan Chan <bryan.chan@ca.ibm.com>
- Chris Zou <chriszou@ca.ibm.com>

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* /opt/ws_local/PERMITS_SQL/1071963213_1594967861.23/0/spring-security-core-5-0-4-release-sources-1.jar/org/springframework/security/core/parameters/AnnotationParameterNameDiscoverer.java

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*/
/**
* @param authentication represents the user in question. Should not be null.
* @param targetDomainObject the domain object for which permissions should be
* checked. May be null in which case implementations should return false, as the null
* condition can be checked explicitly in the expression.
* @param permission a representation of the permission object as supplied by the
  expression system. Not null.
* @return true if the permission is granted, false otherwise
*/

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  jar/org/springframework/security/access/PermissionEvaluator.java

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 */

/**
 * Reviews the <code>Object</code> returned from a secure object invocation, being able to
 * modify the <code>Object</code> or throw an [ @link AccessDeniedException].
 * <p>
 * Typically used to ensure the principal is permitted to access the domain object
 * instance returned by a service layer bean. Can also be used to mutate the domain object
 * instance so the principal is only able to access authorised bean properties or
 * <code>Collection</code> elements.
 * <p>
 * Special consideration should be given to using an <code>AfterInvocationManager</code>
 * on bean methods that modify a database. Typically an
 * <code>AfterInvocationManager</code> is used with read-only methods, such as
 * <code>public DomainObject getBld(id)</code>. If used with methods that modify a
 * database, a transaction manager should be used to ensure any
 * <code>AccessDeniedException</code> will cause a rollback of the changes made by the
 * transaction.
 * </p>
 *
 * @author Ben Alex
 */

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 */

/**
 * A token issued by {@link TokenService}.
 *
 * It is important that the keys assigned to tokens are sufficiently randomised and
 * secured that they can serve as identifying a unique user session. Implementations of
 * {@link TokenService} are free to use encryption or encoding strategies of their choice.
 * It is strongly recommended that keys are of sufficient length to balance safety against
 * persistence cost. In relation to persistence cost, it is strongly recommended that
 * returned keys are small enough for encoding in a cookie.
 *
 * @author Ben Alex
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* /opt/ws_local/PERMITS_SQL/1071963213_1594967861.23/0/spring-security-core-5.0.4-release-sources-1.jar/org/springframework/security/core/token/KeyBasedPersistenceTokenService.java
* /opt/ws_local/PERMITS_SQL/1071963213_1594967861.23/0/spring-security-core-5.0.4-release-sources-1.jar/org/springframework/security/crypto/password/DelegatingPasswordEncoder.java
* /opt/ws_local/PERMITS_SQL/1071963213_1594967861.23/0/spring-security-core-5.0.4-release-sources-1.jar/org/springframework/security/crypto/scrypt/SCryptPasswordEncoder.java
* /opt/ws_local/PERMITS_SQL/1071963213_1594967861.23/0/spring-security-core-5.0.4-release-sources-1.jar/org/springframework/security/crypto/password/Md4PasswordEncoder.java
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* /opt/ws_local/PERMITS_SQL/1071963213_1594967861.23/0/spring-security-core-5.0.4-release-sources-1.jar/org/springframework/security/crypto/keygen/Base64StringKeyGenerator.java
* /opt/ws_local/PERMITS_SQL/1071963213_1594967861.23/0/spring-security-core-5.0.4-release-sources-1.jar/org/springframework/security/authentication/UserDetailsRepositoryReactiveAuthenticationManager.java
* /opt/ws_local/PERMITS_SQL/1071963213_1594967861.23/0/spring-security-core-5.0.4-release-sources-1.jar/org/springframework/security/authorization/AuthenticatedReactiveAuthorizationManager.java
* /opt/ws_local/PERMITS_SQL/1071963213_1594967861.23/0/spring-security-core-5.0.4-release-sources-1.jar/org/springframework/security/authorization/AuthorizationDecision.java
* /opt/ws_local/PERMITS_SQL/1071963213_1594967861.23/0/spring-security-core-5.0.4-release-sources-1.jar/org/springframework/security/authentication/AuthenticatedPrincipal.java
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* /opt/ws_local/PERMITS_SQL/1071963213_1594967861.23/0/spring-security-core-5.0.4-release-sources-1.jar/org/springframework/security/core/userdetails/MapReactiveUserDetailsService.java
* /opt/ws_local/PERMITS_SQL/1071963213_1594967861.23/0/spring-security-core-5.0.4-release-sources-1.jar/org/springframework/security/authorization/AuthorityReactiveAuthorizationManager.java

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 */
/**
 * Determines if the { @link #getAuthentication()} has permission to access the target
 * given the permission
 * @param target the target domain object to check permission on
 * @param permission the permission to check on the domain object (i.e. "read",
 * "write", etc).
 * @return true if permission is granted to the { @link #getAuthentication()}, else
 * false
 */

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* /opt/ws_local/PERMITS_SQL/1071963213_1594967861.23/0/spring-security-core-5-0-4-release-sources-1-
jar/org/springframework/security/access/package-info.java
* /opt/ws_local/PERMITS_SQL/1071963213_1594967861.23/0/spring-security-core-5-0-4-release-sources-1-
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* /opt/ws_local/PERMITS_SQL/1071963213_1594967861.23/0/spring-security-core-5-0-4-release-sources-1-
jar/org/springframework/security/access/prepost/PostInvocationAdviceProvider.java
* /opt/ws_local/PERMITS_SQL/1071963213_1594967861.23/0/spring-security-core-5-0-4-release-sources-1-
jar/org/springframework/security/access/session/SessionCreationEvent.java
* /opt/ws_local/PERMITS_SQL/1071963213_1594967861.23/0/spring-security-core-5-0-4-release-sources-1-
jar/org/springframework/security/access/jackson2/package-info.java
* /opt/ws_local/PERMITS_SQL/1071963213_1594967861.23/0/spring-security-core-5-0-4-release-sources-1-
jar/org/springframework/security/access/annotation/Jsr250SecurityConfig.java
* /opt/ws_local/PERMITS_SQL/1071963213_1594967861.23/0/spring-security-core-5-0-4-release-sources-1-
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* /opt/ws_local/PERMITS_SQL/1071963213_1594967861.23/0/spring-security-core-5-0-4-release-sources-1-
jar/org/springframework/security/authentication/DefaultAuthenticationEventPublisher.java
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jar/org/springframework/security/core/CredentialsContainer.java
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jar/org/springframework/security/access/PermissionCacheOptimizer.java
* /opt/ws_local/PERMITS_SQL/1071963213_1594967861.23/0/spring-security-core-5-0-4-release-sources-1-
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analysis/common/src/resources/org/apache/lucene/analysis/bg/stopwords.txt,
analysis/common/src/resources/org/apache/lucene/analysis/hi/stopwords.txt,
analysis/common/src/resources/org/apache/lucene/analysis/bn/stopwords.txt

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* /opt/ws_local/PERMITS_SQL/1071969976_1594967712.32/0/plexus-classworlds-2-6-0-sources-1.jar/org/codehaus/plexus/classworlds/launcher/Configurator.java
* /opt/ws_local/PERMITS_SQL/1071969976_1594967712.32/0/plexus-classworlds-2-6-0-sources-1.jar/org/codehaus/plexus/classworlds/strategy/Strategy.java
* /opt/ws_local/PERMITS_SQL/1071969976_1594967712.32/0/plexus-classworlds-2-6-0-sources-1.jar/org/codehaus/plexus/classworlds/launcher/Launcher.java
* /opt/ws_local/PERMITS_SQL/1071969976_1594967712.32/0/plexus-classworlds-2-6-0-sources-1.jar/org/codehaus/plexus/classworlds/realm/ClassRealm.java
* /opt/ws_local/PERMITS_SQL/1071969976_1594967712.32/0/plexus-classworlds-2-6-0-sources-1.jar/org/codehaus/plexus/classworlds/realm/DuplicateRealmException.java
* /opt/ws_local/PERMITS_SQL/1071969976_1594967712.32/0/plexus-classworlds-2-6-0-sources-1.jar/org/codehaus/plexus/classworlds/realm/NoSuchRealmException.java
* /opt/ws_local/PERMITS_SQL/1071969976_1594967712.32/0/plexus-classworlds-2-6-0-sources-1.jar/org/codehaus/plexus/classworlds/launcher/ConfigurationException.java
* /opt/ws_local/PERMITS_SQL/1071969976_1594967712.32/0/plexus-classworlds-2-6-0-sources-1.jar/org/codehaus/plexus/classworlds/UrlUtils.java
* /opt/ws_local/PERMITS_SQL/1071969976_1594967712.32/0/plexus-classworlds-2-6-0-sources-1.jar/org/codehaus/plexus/classworlds/ClassWorldException.java
* /opt/ws_local/PERMITS_SQL/1071969976_1594967712.32/0/plexus-classworlds-2-6-0-sources-1.jar/org/codehaus/plexus/classworlds/realm/Entry.java
* /opt/ws_local/PERMITS_SQL/1071969976_1594967712.32/0/plexus-classworlds-2-6-0-sources-1.jar/org/codehaus/plexus/classworlds/ClassWorld.java

1.928 lang-expression 6.5.4

1.929 libaio 0.3.109-13.el7

1.930 go-capability 1.5.2 0.7.git269f928.el7

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1.931 servo-core 0.12.21

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* /opt/ws_local/PERMITS_SQL/1018334783_1594188426.05/0/servo-core-0-12-21-sources-jar/com/netflix/servo/monitor/StatsTimer.java
* /opt/ws_local/PERMITS_SQL/1018334783_1594188426.05/0/servo-core-0-12-21-sources-jar/com/netflix/servo/publish/RegexMetricFilter.java
* /opt/ws_local/PERMITS_SQL/1018334783_1594188426.05/0/servo-core-0-12-21-sources-jar/com/netflix/servo/monitor/MonitoredThreadPool.java
* /opt/ws_local/PERMITS_SQL/1018334783_1594188426.05/0/servo-core-0-12-21-sources-jar/com/netflix/servo/monitor/DefaultPublishingPolicy.java
* /opt/ws_local/PERMITS_SQL/1018334783_1594188426.05/0/servo-core-0-12-21-sources-jar/com/netflix/servo/monitor/AnnotatedStringMonitor.java
* /opt/ws_local/PERMITS_SQL/1018334783_1594188426.05/0/servo-core-0-12-21-sources-jar/com/netflix/servo/monitor/Monitors.java
* /opt/ws_local/PERMITS_SQL/1018334783_1594188426.05/0/servo-core-0-12-21-sources-jar/com/netflix/servo/monitor/BasicCompositeMonitor.java
* /opt/ws_local/PERMITS_SQL/1018334783_1594188426.05/0/servo-core-0-12-21-sources-jar/com/netflix/servo/monitor/BasicTimer.java
* /opt/ws_local/PERMITS_SQL/1018334783_1594188426.05/0/servo-core-0-12-21-sources-jar/com/netflix/servo/monitor/TimedInterface.java
* /opt/ws_local/PERMITS_SQL/1018334783_1594188426.05/0/servo-core-0-12-21-sources-jar/com/netflix/servo/monitor/Monitors.java
* /opt/ws_local/PERMITS_SQL/1018334783_1594188426.05/0/servo-core-0-12-21-sources-jar/com/netflix/servo/publish/MetricTransformObserver.java
* /opt/ws_local/PERMITS_SQL/1018334783_1594188426.05/0/servo-core-0-12-21-sources-jar/com/netflix/servo/monitor/BasicStopwatch.java
* /opt/ws_local/PERMITS_SQL/1018334783_1594188426.05/0/servo-core-0-12-21-sources-jar/com/netflix/servo/monitor/BasicTimer.java
* /opt/ws_local/PERMITS_SQL/1018334783_1594188426.05/0/servo-core-0-12-21-sources-jar/com/netflix/servo/monitor/Stopwatch.java
* /opt/ws_local/PERMITS_SQL/1018334783_1594188426.05/0/servo-core-0-12-21-sources-jar/com/netflix/servo/monitor/MonitorWrapper.java
* /opt/ws_local/PERMITS_SQL/1018334783_1594188426.05/0/servo-core-0-12-21-sources-jar/com/netflix/servo/monitor/AnnotatedTaggingContext.java
* /opt/ws_local/PERMITS_SQL/1018334783_1594188426.05/0/servo-core-0-12-21-sources-jar/com/netflix/servo/monitor/AbstractContextualMonitor.java
* /opt/ws_local/PERMITS_SQL/1018334783_1594188426.05/0/servo-core-0-12-21-sources-jar/com/netflix/servo/monitor/DefaultMonitorRegistry.java
* /opt/ws_local/PERMITS_SQL/1018334783_1594188426.05/0/servo-core-0-12-21-sources-jar/com/netflix/servo/monitor/DefaultPublishingPolicy.java

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* <p/>
* Interfaces for collecting metrics and publishing them to observers.
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Found in path(s):
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jar/com/netflix/servo/jmx/OrderedObjectNameMapper.java
* /opt/ws_local/PERMITS_SQL/1018334783_1594188426.05/0/servo-core-0-12-21-sources-
jar/com/netflix/servo/monitor/DurationTimer.java
* /opt/ws_local/PERMITS_SQL/1018334783_1594188426.05/0/servo-core-0-12-21-sources-
jar/com/netflix/servo/tag/SmallTagMap.java
* /opt/ws_local/PERMITS_SQL/1018334783_1594188426.05/0/servo-core-0-12-21-sources-
jar/com/netflix/servo/jmx/ObjectNameBuilder.java
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jar/com/netflix/servo/jmx/ObjectNameMapper.java
* /opt/ws_local/PERMITS_SQL/1018334783_1594188426.05/0/servo-core-0-12-21-sources-
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 * <p/>
 * Primary interfaces for metrics.
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 */

Found in path(s):
* /opt/ws_local/PERMITS_SQL/1018334783_1594188426.05/0/servo-core-0-12-21-sources-jar/com/netflix/servo/package-info.java
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* <p/>
* Subinterfaces and implementations for { @link com.netflix.servo.monitor.Monitor }.
* <p/>
* Subinterfaces and implementations for { @link com.netflix.servo.monitor.Monitor }.
* <p/>
* Subinterfaces and implementations for { @link com.netflix.servo.monitor.Monitor }.
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*/

Found in path(s):
* /opt/ws_local/PERMITS_SQL/1018334783_1594188426.05/0/servo-core-0-12-21-sources-
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 * <p/>
 * Annotations to easily expose metrics from a class.
 * <p/>
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 * <p/>
 * Annotations to easily expose metrics from a class.
 */

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* /opt/ws_local/PERMITS_SQL/1018334783_1594188426.05/0/servo-core-0-12-21-sources-jar/com/netflix/servo/monitor/DoubleCounter.java
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* /opt/ws_local/PERMITS_SQL/1018334783_1594188426.05/0/servo-core-0-12-21-sources-jar/com/netflix/servo/Metric.java
* /opt/ws_local/PERMITS_SQL/1018334783_1594188426.05/0/servo-core-0-12-21-sources-jar/com/netflix/servo/monitor/BucketTimer.java
* /opt/ws_local/PERMITS_SQL/1018334783_1594188426.05/0/servo-core-0-12-21-sources-jar/com/netflix/servo/util/TimeLimiter.java
* /opt/ws_local/PERMITS_SQL/1018334783_1594188426.05/0/servo-core-0-12-21-sources-jar/com/netflix/servo/util/ThreadFactories.java
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* /opt/ws_local/PERMITS_SQL/1018334783_1594188426.05/0/servo-core-0-12-21-sources-jar/com/netflix/servo/util/UnmodifiableList.java
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* /opt/ws_local/PERMITS_SQL/1018334783_1594188426.05/0/servo-core-0-12-21-sources-jar/com/netflix/servo/publish/BaseMetricPoller.java
* /opt/ws_local/PERMITS_SQL/1018334783_1594188426.05/0/servo-core-0-12-21-sources-jar/com/netflix/servo/publish/CounterToRateMetricTransform.java
* /opt/ws_local/PERMITS_SQL/1018334783_1594188426.05/0/servo-core-0-12-21-sources-jar/com/netflix/servo/tag/BasicTagList.java

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 * JMX.
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 * JMX.
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 * <p/>
* Code related to Tagging objects with metadata.
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* Code related to Tagging objects with metadata.
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## Special Recognition ##

One of the key reasons we got delayed on the CentOS-6 release was lack of suitable build resources, especially when we had to repeatedly build large chunks of code. Norwood S came forward and worked with me to setup a large build machine, then tune the build process and help improve the overall build, test and validate process we were using. This build machine he donated to the project was about 5 times more capable than the entire build system we had. And he did this out of his own pocket, from his own time, and has since upgraded the machine as well. It's now a 128GB, 48 core machine, with 4 SSD's and 4 sata disks: but the key metric is that it can build from source, the entire CentOS-7 distro in under 22 hrs.

Having this capability was key in our ability to build, test and deliver CentOS-7 as rapidly as we have been able to.

We'd like to dedicate the CentOS-7 Release to Mr Norwood S, of Phoenix, AZ, USA for his continued support for the project.

Contributors:
The Red Hat developers, without whom CentOS would look very different

Akemi Matsuno-Yagi
Alain Reguera Delgado
Alan Bartlett
Andreas Thienemann
Anssi Johansson
Athmane Madjoudj
Bonnie King
Brian Stinson
Carl Trieloff
Christoph Galuschka
Fabian Arrotin
Jakub Filak
James Moger
Jeff Sheltren
Jim Perrin
Johnny Hughes Jr
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1.938 hadoop 2.2.0

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1.939 lang-painless 6.5.4

1.940 commons-codec 1.10

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version 1.2.8, April 28th, 2013

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Written by: Philip Hazel
Email local part: ph10
Email domain: cam.ac.uk

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1.947 jq 1.6-2.el7.0atomix1

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[This is the first released version of the library GPL. It is
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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
That's all there is to it!

That's all there is to it!

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

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Thanks go to the following people for patches and contributions:

Michael Hunold <m.hunold@gmx.de>
for the initial saa7146 driver and its recent overhaul

Christian Theiss
for his work on the initial Linux DVB driver

Marcus Metzler <mocm@metzlerbros.de>
Ralph Metzler <rjkm@metzlerbros.de>
for their continuing work on the DVB driver

Michael Holzt <kju@debian.org>
for his contributions to the dvb-net driver

Diego Picciani <d.picciani@novacomp.it>
for CyberLogin for Linux which allows logging onto EON
(in case you are wondering where CyberLogin is, EON changed its login
procedure and CyberLogin is no longer used.)

Martin Schaller <martin@smurf.franken.de>
for patching the cable card decoder driver

Klaus Schmidinger <Klaus.Schmidinger@cadsoft.de>
for various fixes regarding tuning, OSD and CI stuff and his work on VDR

Steve Brown <sbrown@cortland.com>
for his AFC kernel thread

Christoph Martin <martin@uni-mainz.de>
for his LIRC infrared handler

Andreas Oberritter <obi@linuxtv.org>
Dennis Noermann <dennis.noermann@noernet.de>
Felix Domke <tmbinc@elitedvb.net>
Florian Schirmer <jolt@tuxbox.org>
Ronny Strutz <3des@elitedvb.de>
Wolfram Joost <dbox2@frokaschwei.de>
...and all the other dbox2 people
for many bugfixes in the generic DVB Core, frontend drivers and
their work on the dbox2 port of the DVB driver

Oliver Endriss <o.endriss@gmx.de>
for many bugfixes

Andrew de Quincey <adq_dvb@lidskialf.net>
for the tda1004x frontend driver, and various bugfixes

Peter Schildmann <peter.schildmann@web.de>
for the driver for the Technisat SkyStar2 PCI DVB card

Vadim Catana <skystar@moldova.cc>
Roberto Ragusa <r.ragusa@libero.it>
Augusto Cardoso <augusto@carhil.net>
for all the work for the FlexCopII chipset by B2C2,Inc.

Davor Emard <emard@softhome.net>
for his work on the budget drivers, the demux code,
the module unloading problems, ...

Hans-Frieder Vogt <hfvogt@arcor.de>
for his work on calculating and checking the crc’s for the
TechnoTrend/Hauppauge DEC driver firmware

Michael Dreher <michael@5dot1.de>
Andreas 'randy' Weinberger
for the support of the Fujitsu-Siemens Activy budget DVB-S

Kenneth Aafly <ke-aa@frisurf.no>
for adding support for Typhoon DVB-S budget card

Ernst Peinlich <e.peinlich@inode.at>
for tuning/DiSEqC support for the DEC 3000-s

Peter Beutner <p.beutner@gmx.net>
for the IR code for the ttusb-dec driver

Wilson Michaels <wilsonmichaels@earthlink.net>
for the lgdt330x frontend driver, and various bugfixes

Michael Krufky <mkrufky@m1k.net>
for maintaining v4l/dvb inter-tree dependencies

Taylor Jacob <rtjacob@earthlink.net>
for the nxt2002 frontend driver

Jean-Francois Thibert <jeanfrancois@sagetv.com>
for the nxt2004 frontend driver

Kirk Lapray <kirk.lapray@gmail.com>
for the or51211 and or51132 frontend drivers, and
for merging the nxt2002 and nxt2004 modules into a
single nxt200x frontend driver.

(If you think you should be in this list, but you are not, drop a
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Contributors to bttv:

Michael Chu <mmchu@pobox.com>
AverMedia fix and more flexible card recognition

Alan Cox <alan@lxorguk.ukuu.org.uk>
Video4Linux interface and 2.1.x kernel adaptation

Chris Kleitsch
Hardware I2C

Gerd Knorr <kraxel@cs.tu-berlin.de>
Radio card (ITT sound processor)

bigfoot <bigfoot@net-way.net>
Ragnar Hojland Espinosa <ragnar@macula.net>
ConferenceTV card

+ many more (please mail me if you are missing in this list and would like to be mentioned)

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1.951 jackson-dataformat-yaml 2.8.11

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1.956 antlr-runtime 4.5.3
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mcs/class (from Mono)

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1.962 toml 0.3.1

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1.964 python 3.7.6-1.el7.0atomix1

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Python was created in the early 1990s by Guido van Rossum at Stichting Mathematisch Centrum (CWI, see http://www.cwi.nl) in the Netherlands as a successor of a language called ABC. Guido remains Python's principal author, although it includes many contributions from others.

In 1995, Guido continued his work on Python at the Corporation for National Research Initiatives (CNRI, see http://www.cnri.reston.va.us) in Reston, Virginia where he released several versions of the software.

In May 2000, Guido and the Python core development team moved to BeOpen.com to form the BeOpen PythonLabs team. In October of the same year, the PythonLabs team moved to Digital Creations, which became Zope Corporation. In 2001, the Python Software Foundation (PSF, see https://www.python.org/psf/) was formed, a non-profit organization created specifically to own Python-related Intellectual Property. Zope Corporation was a sponsoring member of the PSF.

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1.969 pkix-ssh 10.1

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

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Protocol Buffers for Go with Gadgets

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1.971 util-linux 2.23.2-61.el7_7.1

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Initialize empty image
f1c9645dfbc14efddc7d8a322685f26eb bsd.img
Create new DOS partition table
57e721e38d1d266c2df055067c18f2ef9 bsd.img

---layout--------
__ts_dev__: 10 MB, 10485760 bytes, 20480 sectors
Units = sectors of 1 * 512 = 512 bytes
Sector size (logical/physical): 512 bytes / 512 bytes
I/O size (minimum/optimal): 512 bytes / 512 bytes
Disk label type: dos
Disk identifier: 0x00000001

Device Boot   Start   End    Blocks  Id  System
------------   ------   -----   ------  --  -----
Create 1st primary partition
ada64ace122978d00d1d1c0e5ee45d26 bsd.img

---layout--------
__ts_dev__: 10 MB, 10485760 bytes, 20480 sectors
Units = sectors of 1 * 512 = 512 bytes
Sector size (logical/physical): 512 bytes / 512 bytes
I/O size (minimum/optimal): 512 bytes / 512 bytes
Disk label type: dos
Disk identifier: 0x00000001

<table>
<thead>
<tr>
<th>Device</th>
<th>Boot</th>
<th>Start</th>
<th>End</th>
<th>Blocks</th>
<th>Id</th>
<th>System</th>
</tr>
</thead>
<tbody>
<tr>
<td>__ts_dev__1</td>
<td>2048</td>
<td>4095</td>
<td>1024</td>
<td>83</td>
<td>Linux</td>
<td></td>
</tr>
</tbody>
</table>

Create 2st primary partition
1bebf87248e05d6e4e62b749da65d023 bsd.img
Set 2nd partition type
2d8e8dff51a88a045db233418dd73fbe bsd.img

---layout--------
__ts_dev__: 10 MB, 10485760 bytes, 20480 sectors
Units = sectors of 1 * 512 = 512 bytes
Sector size (logical/physical): 512 bytes / 512 bytes
I/O size (minimum/optimal): 512 bytes / 512 bytes
Disk label type: dos
Disk identifier: 0x00000001

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<td>2048</td>
<td>4095</td>
<td>1024</td>
<td>83</td>
<td>Linux</td>
<td></td>
</tr>
<tr>
<td>__ts_dev__2</td>
<td>4096</td>
<td>20479</td>
<td>8192</td>
<td>a5</td>
<td>FreeBSD</td>
<td></td>
</tr>
</tbody>
</table>

Create default BSD
2e1cee529cb59e9341afe0443f196a1 bsd.img

---layout--------

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

Command (m for help):

BSD disklabel command (m for help):
4 partitions:
# start   end    size  fSTYPE  [fcntl bsfcntl cpg]
c: 4096   20479   16384  unused  0     0

BSD disklabel command (m for help):
Command (m for help):

--------------
---layout--------

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

Command (m for help):

BSD disklabel command (m for help):
4 partitions:
#  start  end   size  fstype  [fsize bsize  cpg]
a:  4096  6144   2049  4.2BSD   0   0   0
c:  4096  20479  16384  unused   0   0

d:  0 16064  16065  unused   0   0

BSD disklabel command (m for help):
Command (m for help):

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

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

Command (m for help):

BSD disklabel command (m for help):

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

BSD disklabel command (m for help):
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*/

size: 8388608, sector size: 512, PT: dos, offset: 446, id=0x8f8378c0
---

#1:         32       7648  0x83
#2:       7680       8704  0xa5
#5:       7936       4864  0x7 (freebsd)
#6:      12544       3584  0x7 (freebsd)

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Updates the license for your \{es\} cluster.

If \{es\} \{security-features\} are enabled, you need `manage` cluster privileges to install the license.

If \{es\} \{security-features\} are enabled and you are installing a gold or higher license, you must enable TLS on the transport networking layer before you install the license. See <<configuring-tls>>.

You can update your license at runtime without shutting down your nodes. License updates take effect immediately. If the license you are installing does not support all of the features that were available with your previous license, however, you are notified in the response. You must then re-submit the API request with the `acknowledge` parameter set to `true`.

For more information about the different types of licenses, see https://www.elastic.co/subscriptions.

`acknowledge`:
(Optional, boolean)
Specifies whether you acknowledge the license changes. The default value is `false`.

`

`licenses`:
(Required, array)
A sequence of one or more JSON documents containing the license information.

The following example updates to a basic license:

```
PUT _license
{
  "licenses": [
  {
    "uid": "893361dc-9749-4997-93cb-802e3d7fa4xx",
    "type": "basic",
    "issue_date_in_millis": 1411948800000,
    "expiry_date_in_millis": 1914278399999,
    "max_nodes": 1,
    "issued_to": "issuedTo",
    "issuer": "issuer",
    "signature": "xx"
  }
  ]
}
```

NOTE: These values are invalid; you must substitute the appropriate content from your license file.

You can also install your license file using a `curl` command. Be sure to add `@` before the license file path to instruct `curl` to treat it as an input file.

```
curl -XPUT -u <user> 'http://<host>:<port>/_license' -H "Content-Type: application/json" -d @license.json
```

On Windows, use the following command:

```
Invoke-WebRequest -uri http://<host>:<port>/_license -Credential elastic -Method Put -ContentType
```
In these examples,

* `<user>` is a user ID with the appropriate authority.
* `<host>` is the hostname of any node in the `{es}` cluster (`localhost` if executing locally)
* `<port>` is the http port (defaults to `9200`)
* `license.json` is the license JSON file

NOTE: If your `{es}` node has SSL enabled on the HTTP interface, you must start your URL with `https://`

If you previously had a license with more features than the basic license, you receive the following response:

```
[source,js]

{  
  "acknowledged": false,  
  "license_status": "valid",  
  "acknowledge": {  
    "message": "This license update requires acknowledgement. To acknowledge the license, please read the following messages and update the license again, this time with the "acknowledge=true" parameter:"",  
    "watcher": [  
      "Watcher will be disabled"  
    ],  
    "logstash": [  
      "Logstash will no longer poll for centrally-managed pipelines"  
    ],  
    "security": [  
      "The following X-Pack security functionality will be disabled: ..."
    ]  
  }
}
```

// NOTCONSOLE

To complete the update, you must re-submit the API request and set the `acknowledge` parameter to `true`. For example:

```
[source,console]

PUT _license?acknowledge=true

{  
  "licenses": [  
    {  
      "uid":"893361dc-9749-4997-93cb-802e3d7fa4xx",
    }
  ]
}
```
"type":"basic",
"issue_date_in_millis":1411948800000,
"expiry_date_in_millis":1914278399999,
"max_nodes":1,
"issued_to":"issuedTo",
"issuer":"issuer",
"signature":"xx"
}
]
}

// TEST[skip:license testing issues]

Alternatively:

[source,sh]
curl -XPUT -u elastic 'http://<host>:<port>/_license?acknowledge=true' -H "Content-Type: application/json" -d @license.json

// NOTCONSOLE

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OSXAdapter
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---

teardown:
- do:
  license.post:
    acknowledge: true
    body: |
    ["licenses":[{"uid":"3aa62ffe-36e1-4fad-bfde-9d3f8301eb22","type":"trial","issue_date_in_millis":1523456691721,"max_nodes":5,"issued_to":"customer","issuer":"elasticsearch","signature":"AAAABAAAA2kWNcuCD0lrImYZKA
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CFDQTUFz0Qvd-nq7A1PAcHGNxGfdhMV5AXCgWkRt3c1o9/3avo6o-iiNyhs8q9m7gsvwBAKtAlFr
H2EXXYbOsSpBvUmhYMgErLg1k3/CbS0pCWLKOaX1xTMayosdOjagU3auXZYY=","start_date_in_millis":-1}]
---

"Installing enterprise license":
- skip:
  features: warnings

## current license version
- do:
  license.post:
    acknowledge: true
    body: |
    ["license":[{"uid":"e57906b-a8d1-4c1f-8acb-73a16ede3934","type":"enterprise","issue_date_in_millis":1523456691721,"expiry_date_in_millis":1838816691721,"max_nodes":null,"max_resource_units":50,"issued_to":null,"rest-test":null,"issuer":"elasticsearch","signature":"AAAAABQA AAAA0sKJdf9T6DlbdvXJKA9AIA0s/x6hrsGh1GqqrJmy4
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2sIplU97OVEU9kulm+E+jgiVW3LwGheOXsU0d1B8Mpo=","start_date_in_millis":-1}]

- match: { license_status: "valid" }

- do:
  license.get: { }
## a v5 (enterprise) license object has 12 attributes
- length: { license: 12 }

## In 8.0, the enterprise license is always reports truthfully
- match: { license.type: "enterprise" }
- match: { license.max_resource_units: 50 }
- match: { license.max_nodes: null }

## Check the xpack info API as well
- do:
  xpack.info: {}
- match: { license.type: "enterprise" }
- match: { license.mode: "enterprise" }

## Check the opt-in v5 license type
- do:
  warnings:
  - "Including [accept_enterprise] in get license requests is deprecated. The parameter will be removed in the next major version"
    license.get:
      accept_enterprise: true

## a v5 license object has 12 attributes
- length: { license: 12 }

## Always returns real type
- match: { license.type: "enterprise" }

## Check the xpack info API as well
- do:
  warnings:
  - "Including [accept_enterprise] in get license requests is deprecated. The parameter will be removed in the next major version"
    xpack.info:
      accept_enterprise: true
- match: { license.type: "enterprise" }
- match: { license.mode: "enterprise" }

## "false" is rejected
- do:
  catch: bad_request
  warnings:
  - "Including [accept_enterprise] in get license requests is deprecated. The parameter will be removed in the next major version"
    license.get:
      accept_enterprise: false

- do:
catch: bad_request

warnings:
- "Including [accept.enterprise] in get license requests is deprecated. The parameter will be removed in the next major version"

xpack.info:
  accept.enterprise: false

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May 22, 2015

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// ------------------------------------------------------------------
// Transitive dependencies of this project determined from the
// maven pom organized by organization.
// ------------------------------------------------------------------

Apache Extras for Apache log4j.

From: 'an unknown organization'
- geronimo-jms_1.1_spec org.apache.geronimo.specs:geronimo-jms_1.1_spec.jar:1.0
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Sqlite (bundled in org.xerial’s sqlite-jdbc)

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```java
[[java-rest-high-put-license]]
```  
```java
/// Update License

[[java-rest-high-put-license-execution]]
```  
```java
==== Execution

The license can be added or updated using the `putLicense()` method:

```java
["source","java",subs="attributes,callouts,macros"]
```  
```java
------------------------------
include-tagged:::{doc-tests}/LicensingDocumentationIT.java[put-license-execute]
------------------------------
```

<1> Set the categories of information to retrieve. The default is to
return no information which is useful for checking if \{xpack\} is installed but not much else.

<2> A JSON document containing the license information.

[[java-rest-high-put-license-response]]
== Response

The returned `PutLicenseResponse` contains the `LicensesStatus`, `acknowledged` flag and possible acknowledge messages. The acknowledge messages are present if you previously had a license with more features than one you are trying to update and you didn't set the `acknowledge` flag to `true`. In this case you need to display the messages to the end user and if they agree, resubmit the license with the `acknowledge` flag set to `true`. Please note that the request will still return a 200 return code even if requires an acknowledgement. So, it is necessary to check the `acknowledged` flag.

[[java-rest-high-put-license-async]]
== Asynchronous Execution

This request can be executed asynchronously:

The asynchronous method does not block and returns immediately. Once it is completed the `ActionListener` is called back using the `onResponse` method if the execution successfully completed or using the `onFailure` method if it failed.

A typical listener for `PutLicenseResponse` looks like:

[[java-rest-high-put-license-execute-listener]]
Called when the execution is successfully completed. The response is provided as an argument.

Called in case of failure. The raised exception is provided as an argument.

ecs-logging-java

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* https://github.com/eclipse-ee4j/jaf

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JUnit (4.12)

* License: Eclipse Public License
  [role="xpack"]
  [testenv="basic"]
  [[delete-license]]
  === Delete license API
  ++++
  <titleabbrev>Delete license</titleabbrev>
  ++++

This API enables you to delete licensing information.

[float]
==== Request

`DELETE /_license`

[loat]

==== Description

When your license expires, [xpack] operates in a degraded mode. For more information, see [kibana-ref]/managing-licenses.html#license-expiration.[License expiration].

[loat]

==== Authorization

You must have `manage` cluster privileges to use this API.
For more information, see <<security-privileges>>.

[loat]

==== Examples

The following example queries the info API:

[source,console]
------------------------------------------------------------
DELETE /_license
------------------------------------------------------------
// TEST[skip:license testing issues]

When the license is successfully deleted, the API returns the following response:

[source,js]
------------------------------------------------------------
{
  "acknowledged": true
}
------------------------------------------------------------

// NOTCONSOLE
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WvFw(#)--Vx/[

---
tear down:
do:

license.post:
acknowledge: true

---

"Installing and getting license works":

## current license version
do:

license.post:
acknowledge: true

---

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## a v5 license object has 12 attributes & the Rest API always outputs in current version
- length: { license: 12 }

## bwc for licenses format
- do:
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    acknowledge: true
    body: |
    {"licenses": [{"uid":"893361dc-9749-4997-93cb-802e3d7fa4a8"}, "type":"gold","issue_date_in_millis":1411948800000,"expiry_date_in_millis":1914278399999,"max_nodes":1, "issued_to":"issued_to","issuer":"issuer","signature":"AAAAAwAAAA2T3vqdBBetKQaBgxipAAABmc9ZjNhjZDBGynVyRXpCOW5Bh3fjZDAxBWpSbTVoMVZwUrzk1PSmxaxkZxW5tIMhITNNoN1N2MXMvRFk4d3JTZEz3R3RRZ0pzU3lobWJKZnQvSEFvaoThbkWkpzZWSQ9iNnRQnkw15lplON0IalZCS095MXRGN1IIZpYcVVTnFrcTe2dzhJZmZrdFQrN3JQeGwxb0U0MXZdOJHSERIzTVLOHnsDByWnpoZEpZHBEZjuRTVBsRENNSXnsWJfZi0dVxmEZujNwjKtNWGM5TLUqV2plaUs04Q1Ouml4MXNuLopSOe7hQaVB2azhmUk9QVzFeTfOmo1MQ0RnjXSG53MWk2K055c28eSmRnVkf1b2JSQgFLV2VUXUmVHNDZ2R3o2VElqVNQ52hxHN5bUeZiZIN1wxZSVmZIWEUtSu9wTTJENDVvT1NCYkdacUYyK2FwRWR9xa0tdlDMbmmzGtQc3FWoTg2Z3UxCYmVqk2RZWmFJnZzvlLD2d2bDRUzh6UG5pdmENGWFrreXNNKdE9PQAAABB7pGFYgawfLm9zT68LvdLHjy1t/v2uSzCQWkDXxrwSy4WvAh2uK/+PEiQ7eEpW5erLsyJ5KlA6OEZJdA7r+mpjOPuLs0+1154Dm7ybMzOPXWBCe6LTE3+pppGZPyOmwskOksZuREugTc1R2R6z+mdhnGrRoYM80y08KVWhdU/DW1o1MKKe06tq373NZ69y9Dgt9fxA0t4ggEBPbnTDBDVBQ5AjaU8yaOM5eg9rDDrayw1kAmYWrara8PIGX+2YjhtUeQhmlCPdlxc9w6ECJ7/knPs5bI3zoXQR3fyXhjcXNHeIbIqLrMCal3pLxs7IIc+KPYMAM2ZYLam4P"]}

- match: { license_status: "valid" }

- do:
  license.get: {}

- length: { license: 12 }

## license version: 1.x
- do:
  license.post:
    acknowledge: true
    body: |
    {"licenses": [{"uid":"893361dc-9749-4997-93cb-802e3d7fa4a8"}, "type":"subscription","subscription_type":"gold","issue_date_in_millis":1411948800000,"expiry_date_in_millis":1914278399999,"max_nodes":1, "issued_to":"issuedTo","issuer":"issuer","signature":"AAAAAQAAAA0LVAywwpSH94cyXr4zAAABmC9ZjNhjZDBGynVyRXpCOW5Bh3fjZDAxBWpSbTVoMVZwUrzk1PSmxaxkZxW5tIMhITNNoN1N2MXMvRFk4d3JTZEz3R3RRZ0pzU3lobWJKZnQvSEFvaoThbkWkpzZWSQ9iNnRQnkw15lplON0IalZCS095MXRGN1IIZpYcVVTnFrcTe2dzhJZmZrdFQrN3JQeGwxb0U0MXZdOJHSERIzTVLOHnsDByWnpoZEpZHBEZjuRTVBsRENNSXnsWJfZi0dVxmEZujNwjKtNWGM5TLUqV2plaUs04Q1Ouml4MXNuLopSOe7hQaVB2azhmUk9QVzFeTfOmo1MQ0RnjXSG53MWk2K055c28eSmRnVkf1b2JSQgFLV2VUXUmVHNDZ2R3o2VElqVNQ52hxHN5bUeZiZIN1wxZSVmZIWEUtSu9wTTJENDVvT1NCYkdacUYyK2FwRWR9xa0tdlDMbmmzGtQc3FWoTg2Z3UxCYmVqk2RZWmFJnZzvlLD2d2bDRUzh6UG5pdmENGWFrreXNNKdE9PQAAABB7pGFYgawfLm9zT68LvdLHjy1t/v2uSzCQWkDXxrwSy4WvAh2uK/+PEiQ7eEpW5erLsyJ5KlA6OEZJdA7r+mpjOPuLs0+1154Dm7ybMzOPXWBCe6LTE3+pppGZPyOmwskOksZuREugTc1R2R6z+mdhnGrRoYM80y08KVWhdU/DW1o1MKKe06tq373NZ69y9Dgt9fxA0t4ggEBPbnTDBDVBQ5AjaU8yaOM5eg9rDDrayw1kAmYWrara8PIGX+2YjhtUeQhmlCPdlxc9w6ECJ7/knPs5bI3zoXQR3fyXhjcXNHeIbIqLrMCal3pLxs7IIc+KPYMAM2ZYLam4P"}]}

- match: { license_status: "valid" }

- do:
  license.get: {}

- length: { license: 12 }

## license version: 1.x
C/PwiLPqP6QfwV/Pkpa8k2A3ORJmvXhe6tCs8dqc4ebrsFxqrZjwWh5CZSPzqqZBFXIngDv2N0hHhpGlueRs
zdD0J5dfFL5ZA1DDrGO9O1VejSHyRqe1L5QRUNdXPFiS+EAG0Dd1cNdJ/sMpYCPnVjbw6iq2/YgM3cztsX
VBY7ji4WnoP3ce7Zjs9TwHn+IqzfC6" ]}

- match: { license_status: "valid" }

- do:
  license.get: {}

- length: { license: 12 }
- match: { license.uid: "893361dc-9749-4997-93cb-802e3dofh7aa" }

---

"Should revert back to basic license after license deletion":
- do:
  license.delete: {}

- match: { acknowledged: true }

- do:
  license.get: {}

- match: { license.type: "basic" }
- set: { license.uid: id }

- do: # delete an existing basic license is a no-op
  license.delete: {}
- do:
  license.get: {}
- match: { license.uid: $id }

---

"Should install a feature type license":

# VERSION_NO_FEATURE_TYPE license version
- do:
  license.post:
    acknowledge: true
    body: |


- match: { license_status: "valid" }

- do:
  - license.get: {}

- length: { license: 12 }

"Cannot start basic":

- do:
  - catch: bad_request
  - license.post:
    - acknowledge: true
    - body: |
      
      "Cannot start basic": 
      
      - match: { error.root_cause.0.reason: 'Installing basic licenses is no longer allowed. Use the POST /_license/start_basic API to install a basic license that does not expire.' }
      
      "Should fail gracefully when body content is not provided": 
      
      - do:
        - catch: bad_request
        - license.post:
          - acknowledge: true

- match: { error.root_cause.0.reason: 'The license must be provided in the request body' }

"Current license is trial means not eligle to start trial": 

- do:
  - catch: bad_request
  - license.post:
    - acknowledge: true

- match: { error.root_cause.0.reason: 'The license must be provided in the request body' }

"Current license is trial means not eligle to start trial":
- do:
  license.get_trial_status: {}

- match: { eligible_to_start_trial: false }

- do:
  license.post_start_basic:
    acknowledge: true

- match: { basic_was_started: true }

- do:
  license.get_trial_status: {}

- match: { eligible_to_start_trial: false }

- do:
  catch: forbidden
  license.post_start_trial:
    acknowledge: true

- match: { trial_was_started: false }
- match: { error_message: "Operation failed: Trial was already activated." }

  "Trial license cannot be basic":
  - do:
    catch: bad_request
    license.post_start_trial:
      type: "basic"
      acknowledge: true

  "Can start basic license if do not already have basic":
  - do:
    license.get_basic_status: {}

- match: { eligible_to_start_basic: true }

- do:
  license.post_start_basic:
    acknowledge: true

- match: { basic_was_started: true }
- match: { acknowledged: true }

- do:
  license.get_basic_status: { }
- match: { eligible_to_start_basic: false }

- do:
  catch: forbidden
  license.post_start_basic: {}

- match: { basic_was_started: false }
- match: { acknowledged: true }
- match: { error_message: "Operation failed: Current license is basic." }

"Must acknowledge to start basic":
- do:
  license.post_start_basic: {}

- match: { basic_was_started: false }
- match: { acknowledged: false }
- match: { error_message: "Operation failed: Needs acknowledgement." }

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## Overview ##

[YAML](http://yaml.org) is a data serialization format designed for human readability and interaction with scripting languages.

SnakeYAML is a YAML processor for the Java Virtual Machine.

## SnakeYAML features ##

* a **complete** [YAML 1.1 processor](http://yaml.org/spec/1.1/current.html). In particular, SnakeYAML can parse all examples from the specification.
* Unicode support including UTF-8/UTF-16 input/output.
* high-level API for serializing and deserializing native Java objects.
* support for all types from the [YAML types repository](http://yaml.org/type/index.html).
* relatively sensible error messages.

## Info ##

* [Changes](https://bitbucket.org/asomov/snakeyaml/wiki/Changes)
* [Documentation](https://bitbucket.org/asomov/snakeyaml/wiki/Documentation)

## Contribute ##

* Mercurial DVCS is used to dance with the [source code](https://bitbucket.org/asomov/snakeyaml/src).
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The license can be deleted using the `deleteLicense()` method:

```java
"source", "java", subs="attributes,callouts,macros"
--------------------------------------------------
include-tagged::{doc-tests}/LicensingDocumentationIT.java[delete-license-execute]
--------------------------------------------------
```

The returned `DeleteLicenseResponse` contains the `acknowledged` flag, which returns true if the request was processed by all nodes.

```java
"source", "java", subs="attributes,callouts,macros"
--------------------------------------------------
include-tagged::{doc-tests}/LicensingDocumentationIT.java[delete-license-response]
--------------------------------------------------
```

<1> Check the acknowledge flag. It should be true if license deletion is acknowledged.

This request can be executed asynchronously:

```java
"source", "java", subs="attributes,callouts,macros"
--------------------------------------------------
include-tagged::{doc-tests}/LicensingDocumentationIT.java[delete-license-execute-async]
--------------------------------------------------
```

<1> The `DeleteLicenseRequest` to execute and the `ActionListener` to use when
the execution completes

The asynchronous method does not block and returns immediately. Once it is completed the `ActionListener` is called back using the `onResponse` method if the execution successfully completed or using the `onFailure` method if it failed.

A typical listener for `DeleteLicenseResponse` looks like:

```java
["source","java",subs="attributes,callouts,macros"]
```

---

include-tagged::{doc-tests}/LicensingDocumentationIT.java[delete-license-execute-listener]

---

<1> Called when the execution is successfully completed. The response is provided as an argument

<2> Called in case of failure. The raised exception is provided as an argument

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Version 2.1, February 1999

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This API enables you to retrieve licensing information.

```
GET /_license
```

This API returns information about the type of license, when it was issued, and when it expires, for example.

For more information about the different types of licenses, see https://www.elastic.co/subscriptions.

```
local:
(booleans) Specifies whether to retrieve local information. The default value is 'false', which means the information is retrieved from the master node.
```

You must have `monitor` cluster privileges to use this API. For more information, see <<security-privileges>>.
Examples

The following example provides information about a trial license:

[source,console]
GET /_license

[source,console-result]
{
    "license" : {
        "status" : "active",
        "uid" : "cbff45e7-c553-41f7-ae4f-9205eabd80xx",
        "type" : "trial",
        "issue_date" : "2018-10-20T22:05:12.332Z",
        "issue_date_in_millis" : 1540073112332,
        "expiry_date" : "2018-11-19T22:05:12.332Z",
        "expiry_date_in_millis" : 1542665112332,
        "max_nodes" : 1000,
        "max_resource_units" : null,
        "issued_to" : "test",
        "issuer" : "elasticsearch",
        "start_date_in_millis" : -1
    }
}

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*/
```

[role="xpack"]
[[license-settings]]

```=== License settings
You can configure this licensing setting in the `elasticsearch.yml` file.
For more information, see
{kibana-ref}/managing-licenses.html[License management].```
`xpack.license.self_generated.type`::
Set to `basic` (default) to enable basic `{xpack}` features. +
+
--
If set to `trial`, the self-generated license gives access only to all the features
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[[java-rest-high-get-license]]
=== Get License

[[java-rest-high-get-license-execution]]
==== Execution

The license can be added or updated using the `getLicense()` method:

["source","java",subs="attributes,callouts,macros"]
--------------------------------------------------
include-tagged:::{doc-tests}/LicensingDocumentationIT.java[get-license-execute]
--------------------------------------------------

[[java-rest-high-get-license-response]]
==== Response

The returned `GetLicenseResponse` contains the license in the JSON format.

["source","java",subs="attributes,callouts,macros"]
--------------------------------------------------
include-tagged:::{doc-tests}/LicensingDocumentationIT.java[get-license-response]
--------------------------------------------------

<1> The text of the license.

[[java-rest-high-get-license-async]]
==== Asynchronous Execution

This request can be executed asynchronously:

["source","java",subs="attributes,callouts,macros"]
--------------------------------------------------
include-tagged:::{doc-tests}/LicensingDocumentationIT.java[get-license-execute-async]
--------------------------------------------------
The `GetLicenseRequest` to execute and the `ActionListener` to use when the execution completes

The asynchronous method does not block and returns immediately. Once it is completed the `ActionListener` is called back using the `onResponse` method if the execution successfully completed or using the `onFailure` method if it failed.

A typical listener for `GetLicenseResponse` looks like:

```java
["source","java",subs="attributes.callouts.macros"]
```

include-tagged::([doc-tests]/LicensingDocumentationIT.java[get-license-execute-listener])

<1> Called when the execution is successfully completed. The response is provided as an argument
<2> Called in case of failure. The raised exception is provided as an argument

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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.

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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
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b) Give prominent notice with the combined library of the fact
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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.

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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.

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b) You must cause the files modified to carry prominent notices stating that you changed the files and the date of any change.

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

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

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

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

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.

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

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

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

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

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

It may happen that this requirement contradicts the license restrictions of other proprietary libraries that do not normally accompany the operating system. Such a contradiction means you cannot use both them and the Library together in an executable that you 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
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1.1022 mapper-extras 6.5.4

1.1023 perl-time-hires 1.9725 3.el7

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1.1025 libcgroup 0.41 21.el7
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1.1027 perl-constant 1.27 2.el7

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jar/com/carrotsearch/hppc/BitSet.java
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jar/com/carrotsearch/hppc/BitUtil.java
* /opt/ws_local/PERMITS_SQL/1018363874_1591319364.0/0/hppc-0-7-1-sources-
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1.1030 netty 4.1.30.Final

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*/
/** *
* Creates a new [ @link GeneratorAdapter ]. <i>Subclasses must not use this
* constructor</i>. Instead, they must use the
* [ @link #GeneratorAdapter(int, MethodVisitor, int, String, String) ]
* version.
* *
* @param mv
*            the method visitor to which this adapter delegates calls.
* @param access
*            the method's access flags (see [ @link Opcodes ]).
* @param name
*            the method's name.
* @param desc
*            the method's descriptor (see [ @link Type Type ]).
* @throws IllegalStateException
*             If a subclass calls this constructor.
*/

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*/

/**
 * Creates a new JSRInliner. <i>Subclasses must not use this
 * constructor</i>. Instead, they must use the
 * {@link #JSRInlinerAdapter(int, MethodVisitor, int, String, String, String, String[])}
 * version.
 *
 * @param mv
 *            the <code>MethodVisitor</code> to send the resulting inlined
 *            method code to (use <code>null</code> for none).
 * @param access
 *            the method's access flags (see {@link Opcodes}). This
 *            parameter also indicates if the method is synthetic and/or
 *            deprecated.
 * @param name
 *            the method's name.
 * @param desc
 *            the method's descriptor (see {@link Type}).
 * @param signature
 *            the method's signature. May be <tt>null</tt>.
 * @param exceptions
 *            the internal names of the method's exception classes (see
 *            {@link Type#getInternalName() getInternalName}). May be
 *            <tt>null</tt>.
 * @throws IllegalStateException
 *             If a subclass calls this constructor.
 */

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 */
/**
 * Creates a new {@link AnalyzerAdapter}. <i>Subclasses must not use this
 * constructor</i>. Instead, they must use the
 * {@link #AnalyzerAdapter(int, String, int, String, String, MethodVisitor)}
 * version.
 *
 * @param owner
 * the owner's class name.
 * @param access
 * the method's access flags (see{@link Opcodes}).
 * @param name
 * the method's name.
 * @param desc
 * the method's descriptor (see{@link Type}.
 * @param mv
 * the method visitor to which this adapter delegates calls. May
* be <tt>null</tt>.
* @throws IllegalStateException
* If a subclass calls this constructor.
*/

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* /opt/ws_local/PERMITS_SQL/1032656228_1594238194.74/0/asm-tree-5-0-4-sources-1-
  jar/org/objectweb/asm/signature/SignatureWriter.java
* /opt/ws_local/PERMITS_SQL/1032656228_1594238194.74/0/asm-tree-5-0-4-sources-1-
  jar/org/objectweb/asm/tree/TryCatchBlockNode.java
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 * Constructs a new [@link Textifier]. <i>Subclasses must not use this
 * constructor</i>. Instead, they must use the [@link Textifier(int)]
 * version.
 *
 * @throws IllegalStateException
 * If a subclass calls this constructor.
 */

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/**
 * Constructs a new ClassNode. <i>Subclasses must not use this constructor</i>. Instead, they must use the ClassNode(int)
 * version.
 *
 * @throws IllegalStateException
 *             If a subclass calls this constructor.
 */

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  jar/org/objectweb/asm/xml/ASMContentHandler.java
* /opt/ws_local/PERMITS_SQL/1032656228_1594238194.74/0/asm-tree-5-0-4-sources-1-
  jar/org/objectweb/asm/xml/SAXCodeAdapter.java
* /opt/ws_local/PERMITS_SQL/1032656228_1594238194.74/0/asm-tree-5-0-4-sources-1-
  jar/org/objectweb/asm/xml/SAXAnnotationAdapter.java
* /opt/ws_local/PERMITS_SQL/1032656228_1594238194.74/0/asm-tree-5-0-4-sources-1-
  jar/org/objectweb/asm/xml/SAXFieldAdapter.java
* /opt/ws_local/PERMITS_SQL/1032656228_1594238194.74/0/asm-tree-5-0-4-sources-1-
  jar/org/objectweb/asm/xml/Processor.java
* /opt/ws_local/PERMITS_SQL/1032656228_1594238194.74/0/asm-tree-5-0-4-sources-1-
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*/
/**
 * Constructs a new {@link LocalVariableAnnotationNode}. <i>Subclasses must
 * not use this constructor</i>. Instead, they must use the
 * {@link #LocalVariableAnnotationNode(int, TypePath, LabelNode[], LabelNode[], int[], String)}
 * version.
 *
 * @param typeRef
 * a reference to the annotated type. See {@link TypeReference}.
 *
 * @param typePath
 * the path to the annotated type argument, wildcard bound, array
 * element type, or static inner type within 'typeRef'. May be
 * <tt>null</tt> if the annotation targets 'typeRef' as a whole.
 *
 * @param start
 * the first instructions corresponding to the continuous ranges
 * that make the scope of this local variable (inclusive).
 *
 * @param end
 * the last instructions corresponding to the continuous ranges
 * that make the scope of this local variable (exclusive). This
 * array must have the same size as the 'start' array.
 *
 * @param index
 * the local variable's index in each range. This array must have
 * the same size as the 'start' array.
 *
 * @param desc
 * the class descriptor of the annotation class.
 */
Found in path(s):
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* /opt/ws_local/PERMITS_SQL/1032656228_1594238194.74/0/asm-tree-5-0-4-sources-1-jar/org/objectweb/asm/optimizer/shrink-annotations.properties
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  jar/org/objectweb/asm/tree/analysis/package.html
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1.1049 pkg-config 0.27.1 4.el7

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* /opt/ws_local/PERMITS_SQL/1020252667_1594234827.74/0/asm-debug-all-5-1-sources-jar/org/objectweb/asm/commons/Method.java
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* /opt/ws_local/PERMITS_SQL/1020252667_1594234827.74/0/asm-debug-all-5-1-sources-jar/org/objectweb/asm/commons/Remapping/AnnotationAdapter.java
* /opt/ws_local/PERMITS_SQL/1020252667_1594234827.74/0/asm-debug-all-5-1-sources-jar/org/objectweb/asm/commons/CodeSizeEvaluator.java
* /opt/ws_local/PERMITS_SQL/1020252667_1594234827.74/0/asm-debug-all-5-1-sources-jar/org/objectweb/asm(optimizer)/MethodOptimizer.java
* /opt/ws_local/PERMITS_SQL/1020252667_1594234827.74/0/asm-debug-all-5-1-sources-jar/org/objectweb/asm/tree/TryCatchBlockNode.java
* /opt/ws_local/PERMITS_SQL/1020252667_1594234827.74/0/asm-debug-all-5-1-sources-jar/org/objectweb/asm/signature/SignatureVisitor.java
* /opt/ws_local/PERMITS_SQL/1020252667_1594234827.74/0/asm-debug-all-5-1-sources-jar/org/objectweb/asm/commons/AnnotationWriter.java
* /opt/ws_local/PERMITS_SQL/1020252667_1594234827.74/0/asm-debug-all-5-1-sources-jar/org/objectweb/asm/tree/TypeAnnotationNode.java
* /opt/ws_local/PERMITS_SQL/1020252667_1594234827.74/0/asm-debug-all-5-1-sources-jar/org/objectweb/asm/commons/TableSwitchGenerator.java
* /opt/ws_local/PERMITS_SQL/1020252667_1594234827.74/0/asm-debug-all-5-1-sources-jar/org/objectweb/asm/ClassWriter.java
* /opt/ws_local/PERMITS_SQL/1020252667_1594234827.74/0/asm-debug-all-5-1-sources-jar/org/objectweb/asm/tree/FieldInsnNode.java
* /opt/ws_local/PERMITS_SQL/1020252667_1594234827.74/0/asm-debug-all-5-1-sources-jar/org/objectweb/asm/signature/SignatureWriter.java
* /opt/ws_local/PERMITS_SQL/1020252667_1594234827.74/0/asm-debug-all-5-1-sources-jar/org/objectweb/asm/Type.java
* /opt/ws_local/PERMITS_SQL/1020252667_1594234827.74/0/asm-debug-all-5-1-sources-jar/org/objectweb/asm/tree/MethodInsnNode.java
* /opt/ws_local/PERMITS_SQL/1020252667_1594234827.74/0/asm-debug-all-5-1-sources-jar/org/objectweb/asm/MethodVisitor.java
* /opt/ws_local/PERMITS_SQL/1020252667_1594234827.74/0/asm-debug-all-5-1-sources-jar/org/objectweb/asm/tree/IntInsnNode.java
* /opt/ws_local/PERMITS_SQL/1020252667_1594234827.74/0/asm-debug-all-5-1-sources-jar/org/objectweb/asm/tree/analysis/BasicInterpreter.java
* /opt/ws_local/PERMITS_SQL/1020252667_1594234827.74/0/asm-debug-all-5-1-sources-jar/org/objectweb/asm(optimizer)/Constant.java
* /opt/ws_local/PERMITS_SQL/1020252667_1594234827.74/0/asm-debug-all-5-1-sources-jar/org/objectweb/asm/util/CheckMethodAdapter.java
* /opt/ws_local/PERMITS_SQL/1020252667_1594234827.74/0/asm-debug-all-5-1-sources-jar/org/objectweb/asm/Handle.java
* /opt/ws_local/PERMITS_SQL/1020252667_1594234827.74/0/asm-debug-all-5-1-sources-jar/org/objectweb/asm/commons/MethodRemapper.java
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* /opt/ws_local/PERMITS_SQL/1020252667_1594234827.74/0/asm-debug-all-5-1-sources-jar/org/objectweb/asm/commons/package.html
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/**
 * Constructs a new {@link LocalVariableAnnotationNode}. <i>Subclasses must
 * not use this constructor</i>. Instead, they must use the
 * {@link #LocalVariableAnnotationNode(int, TypePath, LabelNode[], LabelNode[], int[], String)}
 * version.
 *
 * @param typeRef
 *   a reference to the annotated type. See {@link TypeReference}.
 * @param typePath
 *   the path to the annotated type argument, wildcard bound, array
 *   element type, or static inner type within 'typeRef'. May be
 *   <tt>null</tt> if the annotation targets 'typeRef' as a whole.
 * @param start
 *   the fist instructions corresponding to the continuous ranges
 *   that make the scope of this local variable (inclusive).
 * @param end
 *   the last instructions corresponding to the continuous ranges
 *   that make the scope of this local variable (exclusive). This
 *   array must have the same size as the 'start' array.
 * @param index
 *   the local variable's index in each range. This array must have
 *   the same size as the 'start' array.
 * @param desc
 *   the class descriptor of the annotation class.
 */
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* /opt/ws_local/PERMITS_SQL/1020252667_1594234827.74/0/asm-debug-all-5-1-sources-jar/org/objectweb/asm/xml/SAXCodeAdapter.java
* /opt/ws_local/PERMITS_SQL/1020252667_1594234827.74/0/asm-debug-all-5-1-sources-jar/org/objectweb/asm/xml/SAXFieldAdapter.java
* /opt/ws_local/PERMITS_SQL/1020252667_1594234827.74/0/asm-debug-all-5-1-sources-jar/org/objectweb/asm/xml/SAXClassAdapter.java
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/**
 * Constructs a new [@link Textifier]. <i>Subclasses must not use this
 * constructor</i>. Instead, they must use the [@link #Textifier(int)]
 * version.
 *
 * @throws IllegalStateException
 * If a subclass calls this constructor.
 */
/**
 * Creates a new {@link AnalyzerAdapter}. <i>Subclasses must not use this
 * constructor</i>. Instead, they must use the
 * {@link #AnalyzerAdapter(int, String, int, String, String, MethodVisitor)}
 * version.
 *
 * @param owner
 * the owner's class name.
 * @param access
 * the method's access flags (see {@link Opcodes}.
 * @param name
 * the method's name.
 * @param desc
 * the method's descriptor (see {@link Type Type}.
 * @param mv
 * the method visitor to which this adapter delegates calls. May
 * be <tt>null</tt>.
 * @throws IllegalStateException
 * @throws IllegalStateException
 * If a subclass calls this constructor.
 */

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* /
/**
* Creates a new JSRInliner. <i>Subclasses must not use this
* constructor</i>. Instead, they must use the
* { @link #JSRInlinerAdapter(int, MethodVisitor, int, String, String, String, String[])}
* version.
* *
* * @param mv
* * the <code>MethodVisitor</code> to send the resulting inlined
* * method code to (use <code>null</code> for none).
* * @param access
* * the method's access flags (see { @link Opcodes}). This
* * parameter also indicates if the method is synthetic and/or
/*
 * deprecated.
 * @param name
 * the method's name.
 * @param desc
 * the method's descriptor (see [link Type]).
 * @param signature
 * the method's signature. May be <tt>null</tt>.
 * @param exceptions
 * the internal names of the method's exception classes (see
 * {link Type#getInternalName() getInternalName}). May be
 * <tt>null</tt>.
 * @throws IllegalStateException
 * If a subclass calls this constructor.
 */

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 * Creates a new [GeneratorAdapter]. <i>Subclasses must not use this
 * constructor</i>. Instead, they must use the
 * [GeneratorAdapter(int, MethodVisitor, int, String, String)]
 * version.
 * *
 * @param mv
 * the method visitor to which this adapter delegates calls.
 * @param access
 * the method's access flags (see [Opcodes]).
 * @param name
 * the method's name.
 * @param desc
 * the method's descriptor (see [Type]).
 * @throws IllegalStateException
 * If a subclass calls this constructor.
 */

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* /opt/ws_local/PERMITS_SQL/1020252667_1594234827.74/0/asm-debug-all-5-1-sources-jar/org/objectweb/asm/util/ASMifiable.java

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* /opt/ws_local/PERMITS_SQL/1010092527_1591902362.89/0/nekohtml-1-9-22-sources-jar/org/cyberneko/html/HTMLAugmentations.java

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* /opt/ws_local/PERMITS_SQL/1010092527_1591902362.89/0/nekohtml-1-9-22-sources-jar/org/cyberneko/html/HTMLEventInfo.java
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* /opt/ws_local/PERMITS_SQL/1010092527_1591902362.89/0/nekohtml-1-9-22-sources-jar/org/cyberneko/html/filters/Writer.java
jar/sample/RemoveElements.java
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* /opt/ws_local/PERMITS_SQL/1010092527_1591902362.89/0/neohtml-1-9-22-sources-jar/sample/TestHTMLDOMFragment.java
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* /opt/ws_local/PERMITS_SQL/1010092527_1591902362.89/0/nekohtml-1-9-22-sources-
jar/org/cyberneko/html/LostText.java
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jar/org/cyberneko/html/xercesbridge/XercesBridge_2_3.java
* /opt/ws_local/PERMITS_SQL/1010092527_1591902362.89/0/nekohtml-1-9-22-sources-
jar/org/cyberneko/html/xercesbridge/XercesBridge_2_2.java
* /opt/ws_local/PERMITS_SQL/1010092527_1591902362.89/0/nekohtml-1-9-22-sources-
jar/org/cyberneko/html/xercesbridge/XercesBridge_2_1.java
* /opt/ws_local/PERMITS_SQL/1010092527_1591902362.89/0/nekohtml-1-9-22-sources-
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Version 3, 29 June 2007

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1.1064 diffutils 3.3 5.el7

1.1064.1 Available under license:

From RPM File Metadata:GPLv3+
/* diff - compare files line by line


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#define GDIFF_MAIN
#include "diff.h"
#include <assert.h>
#include "paths.h"
#include <c-stack.h>
#include <dirname.h>
#include <error.h>
#include <exclude.h>
#include <exitfail.h>
#include <filenamecat.h>
#include <file-type.h>
#include <fnmatch.h>
#include <getopt.h>
#include <hard-locale.h>
#include <prepargs.h>
#include <progname.h>
#include <sh-quote.h>
#include <stat-time.h>
#include <timespec.h>
#include <version-etc.h>
#include <xalloc.h>
#include <xreadlink.h>
#include <binary-io.h>

/* The official name of this program (e.g., no 'g' prefix). */
#define PROGRAM_NAME "diff"

#define AUTHORS 
  proper_name ("Paul Eggert"), \
  proper_name ("Mike Haertel"), \
  proper_name ("David Hayes"), \
  proper_name ("Richard Stallman"), \
  proper_name ("Len Tower")

#ifndef GUTTER_WIDTH_MINIMUM
# define GUTTER_WIDTH_MINIMUM 3
#endif

struct regexp_list
{
  char *regexps; /* chars representing disjunction of the regexps */
  size_t len; /* chars used in 'regexps' */
  size_t size; /* size malloc'ed for 'regexps'; 0 if not malloc'ed */
  bool multiple_regexps; /* Does 'regexps' represent a disjunction? */
  struct re_pattern_buffer *buf;
};

static int compare_files (struct comparison const *, char const *, char const *);
static void add_regexp (struct regexp_list *, char const *);
static void summarize_regexp_list (struct regexp_list *);
static void specify_style (enum output_style);
static void specify_value (char const **, char const *, char const *);
static void try_help (char const *, char const *) __attribute__((noreturn));
static void check_stdout (void);
static void usage (void);
/* If comparing directories, compare their common subdirectories recursively. */
static bool recursive;

/* In context diffs, show previous lines that match these regexp. */
static struct regexp_list function_regexp_list;

/* Ignore changes affecting only lines that match these regexp. */
static struct regexp_list ignore_regexp_list;

#if O_BINARY
/* Use binary I/O when reading and writing data (--binary). 
   On POSIX hosts, this has no effect. */
static bool binary;
#else
enum { binary = true };
#endif

/* If one file is missing, treat it as present but empty (-N). */
static bool new_file;

/* If the first file is missing, treat it as present but empty 
   (--unidirectional-new-file). */
static bool unidirectional_new_file;

/* Report files compared that are the same (-s). 
   Normally nothing is output when that happens. */
static bool report_identical_files;

static char const shortopts[] =
"0123456789abBcCdDeEfFhHiIlLnNpPqrsStTuU:vwW:xX:yZ";

/* Values for long options that do not have single-letter equivalents. */
enum
{
    BINARY_OPTION = CHAR_MAX + 1,
    FROM_FILE_OPTION,
    HELP_OPTION,
    HORIZON_LINES_OPTION,
    IGNORE_FILE_NAME_CASE_OPTION,
    INHIBIT_HUNK_MERGE_OPTION,
    LEFT_COLUMN_OPTION,
    LINE_FORMAT_OPTION,
    NO_DEREFERENCE_OPTION,
    NO_IGNORE_FILE_NAME_CASE_OPTION,
    NORMAL_OPTION,
/* These options must be in sequence. */
UNCHANGED_LINE_FORMAT_OPTION,
OLD_LINE_FORMAT_OPTION,
NEW_LINE_FORMAT_OPTION,

/* These options must be in sequence. */
UNCHANGED_GROUP_FORMAT_OPTION,
OLD_GROUP_FORMAT_OPTION,
NEW_GROUP_FORMAT_OPTION,
CHANGED_GROUP_FORMAT_OPTION
};

static char const group_format_option[][sizeof "--unchanged-group-format"] =
{
"--unchanged-group-format",
"--old-group-format",
"--new-group-format",
"--changed-group-format"
};

static char const line_format_option[][sizeof "--unchanged-line-format"] =
{
"--unchanged-line-format",
"--old-line-format",
"--new-line-format"
};

static struct option const longopts[] =
{
{"binary", 0, 0, BINARY_OPTION},
{"brief", 0, 0, 'q'},
{"changed-group-format", 1, 0, CHANGED_GROUP_FORMAT_OPTION},
{"context", 2, 0, 'C'},
{"ed", 0, 0, 'e'},
{"exclude", 1, 0, 'x'},
{"exclude-from", 1, 0, 'X'},
{"expand-tabs", 0, 0, 't'},
{"forward-ed", 0, 0, 'f'},
{"from-file", 1, 0, FROM_FILE_OPTION},
{"help", 0, 0, HELP_OPTION},
{"horizon-lines", 1, 0, HORIZON_LINES_OPTION},
};
/* Return a string containing the command options with which diff was invoked. 
Spaces appear between what were separate ARGV-elements. 
There is a space at the beginning but none at the end. 
If there were no options, the result is an empty string. */

static char *
option_list (char **optionvec, int count)
{
    int i;
    size_t size = 1;
    char *result;
    char *p;

    for (i = 0; i < count; i++)
        size += 1 + shell_quote_length (optionvec[i]);

    p = result = xmalloc (size);

    for (i = 0; i < count; i++)
    {
        *p++ = ' '; 
        p = shell_quote_copy (p, optionvec[i]);
    }

    *p = '0';
    return result;
}

/* Return an option value suitable for add_exclude. */

static int
exclude_options (void)
{
    return EXCLUDE_WILDCARDS | (ignore_file_name_case ? FNM_CASEFOLD : 0);
}

int
main (int argc, char **argv)
{
    int exit_status = EXIT_SUCCESS;
    int c;
    int i;
    int prev = -1;
    lin ocontext = -1;

bool explicit_context = false;
size_t width = 0;
bool show_c_function = false;
char const *from_file = NULL;
char const *to_file = NULL;
uintmax_t numval;
char *numend;

/* Do our initializations. */
exit_failure = EXIT_TROUBLE;
initialize_main (&argc, &argv);
set_program_name (argv[0]);
setlocale (LC_ALL, "");
bindtextdomain (PACKAGE, LOCALEDIR);
textdomain (PACKAGE);
c_stack_action (0);
function_regexp_list.buf = &function_regexp;
ignore_regexp_list.buf = &ignore_regexp;
re_set_syntax (RE_SYNTAX_GREP | RE_NO_POSIX_BACKTRACKING);
excluded = new_exclude ();

/* Decode the options. */
while ((c = getopt_long (argc, argv, shortopts, longopts, NULL)) != -1)
{
    switch (c)
    {
    case 0:
        break;
    case '0':
        case '1':
        case '2':
        case '3':
        case '4':
        case '5':
        case '6':
        case '7':
        case '8':
        case '9':
            if (! ISDIGIT (prev))
                ocontext = c - '0';
            else if (LIN_MAX / 10 < ocontext
                || ((ocontext = 10 * ocontext + c - '0') < 0))
                ocontext = LIN_MAX;
            break;
    case 'a':
text = true;
break;

case 'b':
    if (ignore_white_space < IGNORE_SPACE_CHANGE)
        ignore_white_space = IGNORE_SPACE_CHANGE;
    break;

case 'Z':
    if (ignore_white_space < IGNORE_SPACE_CHANGE)
        ignore_white_space |= IGNORE_TRAILING_SPACE;
    break;

case 'B':
    ignore_blank_lines = true;
    break;

case 'C':
    case 'U':
    {
        if (optarg)
            numval = strtoumax (optarg, &numend, 10);
        if (*numend)
            try_help ("invalid context length \"%s\", optarg);
        if (LIN_MAX < numval)
            numval = LIN_MAX;
        else
            numval = 3;
    }
    
    specify_style (c == 'U' ? OUTPUT_UNIFIED : OUTPUT_CONTEXT);
    if (context < numval)
        context = numval;
    explicit_context = true;
    break;

case 'c':
    specify_style (OUTPUT_CONTEXT);
    if (context < 3)
        context = 3;
    break;

case 'd':
    minimal = true;
    break;
case 'D':
  specify_style (OUTPUT_IFDEF);
  {
    static char const C_ifdef_group_formats[] =
      "%%=%c#ifndef %s
      %%<#endif /* ! %s */
      %c#ifdef %s
      %%>#endif /* %s */
      %c#ifndef %s
      %%<#else /* %s */
      %%>#endif /* %s */
    char *b = xmalloc (sizeof C_ifdef_group_formats
      + 7 * strlen (optarg) - 14 /* 7*"%s" */
      - 8 /* 5*"%c" + 3*"%c" */);
    sprintf (b, C_ifdef_group_formats,
      optarg, optarg, 0,
      optarg, optarg, 0,
      optarg, optarg, optarg);
    for (i = 0; i < sizeof group_format / sizeof group_format[0]; i++)
      {
        specify_value (&group_format[i], b, "-D");
        b += strlen (b) + 1;
      }
  }
break;

case 'e':
  specify_style (OUTPUT_ED);
  break;

case 'E':
  if (ignore_white_space < IGNORE_SPACE_CHANGE)
    ignore_white_space |= IGNORE_TAB_EXPANSION;
  break;

case 'f':
  specify_style (OUTPUT_FORWARD_ED);
  break;

case 'F':
  add_regexp (&function_regexp_list, optarg);
  break;

case 'h':
  /* Split the files into chunks for faster processing.
     Usually does not change the result.
     This currently has no effect. */
  break;

case 'H':
  speed_large_files = true;
break;

case 'I':
    ignore_case = true;
    break;

case 'T':
    add_regexp (&ignore_regexp_list, optarg);
    break;

case 'T':
    if (!pr_program[0])
        try_help("pagination not supported on this host", NULL);
    paginate = true;
    #ifdef SIGCHLD
    /* Pagination requires forking and waiting, and
       System V fork+wait does not work if SIGCHLD is ignored. */
    signal(SIGCHLD, SIG_DFL);
    #endif
    break;

case 'L':
    if (!file_label[0])
        file_label[0] = optarg;
    else if (!file_label[1])
        file_label[1] = optarg;
    else
        fatal("too many file label options");
    break;

case 'n':
    specify_style (OUTPUT_RCS);
    break;

case 'N':
    new_file = true;
    break;

case 'p':
    show_c_function = true;
    add_regexp (&function_regexp_list, "^[[:alpha:]$\]]");
    break;

case 'P':
    unidirectional_new_file = true;
    break;

case 'q':
brief = true;
break;

case 'r':
    recursive = true;
    break;

case 's':
    report_identical_files = true;
    break;

case 'S':
    specify_value (&starting_file, optarg, "-S");
    break;

case 't':
    expand_tabs = true;
    break;

case 'T':
    initial_tab = true;
    break;

case 'u':
    specify_style (OUTPUT_UNIFIED);
    if (context < 3)
        context = 3;
    break;

case 'v':
    version_etc (stdout, PROGRAM_NAME, PACKAGE_NAME, Version,
                  AUTHORS, (char *) NULL);
    check_stdout ();
    return EXIT_SUCCESS;

case 'w':
    ignore_white_space = IGNORE_ALL_SPACE;
    break;

case 'x':
    add_exclude (excluded, optarg, exclude_options ());
    break;

case 'X':
    if (add_exclude_file (add_exclude, excluded, optarg,
                          exclude_options (), 'n'))
        pfatal_with_name (optarg);
    break;
case 'y':
    specify_style (OUTPUT_SDIFF);
    break;

case 'W':
    numval = strtoumax (optarg, &numend, 10);
    if (! (0 < numval && numval <= SIZE_MAX) || *numend)
        try_help ("invalid width " "%%s", optarg);
    if (width != numval)
    {
        if (width)
            fatal ("conflicting width options");
        width = numval;
    }
    break;

case BINARY_OPTION:
    #if O_BINARY
    binary = true;
    if (! isatty (STDOUT_FILENO))
        set_binary_mode (STDOUT_FILENO, O_BINARY);
    #endif
    break;

case FROM_FILE_OPTION:
    specify_value (&from_file, optarg, "--from-file");
    break;

case HELP_OPTION:
    usage ();
    check_stdout ();
    return EXIT_SUCCESS;

case HORIZON_LINES_OPTION:
    numval = strtoumax (optarg, &numend, 10);
    if (*numend)
        try_help ("invalid horizon length " "%%s", optarg);
    horizon_lines = MAX (horizon_lines, MIN (numval, LIN_MAX));
    break;

case IGNORE_FILE_NAME_CASE_OPTION:
    ignore_file_name_case = true;
    break;

case INHIBIT_HUNK_MERGE_OPTION:
    /* This option is obsolete, but accept it for backward
     * compatibility. */
case LEFT_COLUMN_OPTION:
    left_column = true;
    break;

case LINE_FORMAT_OPTION:
    specify_style (OUTPUT_IFDEF);
    for (i = 0; i < sizeof line_format / sizeof line_format[0]; i++)
        specify_value (&line_format[i], optarg, "--line-format");
    break;

case NO_DEREFERENCE_OPTION:
    no_dereference_symlinks = true;
    break;

case NO_IGNORE_FILE_NAME_CASE_OPTION:
    ignore_file_name_case = false;
    break;

case NORMAL_OPTION:
    specify_style (OUTPUT_NORMAL);
    break;

case SDIFF_MERGE_ASSIST_OPTION:
    specify_style (OUTPUT_SDIFF);
    sdiff_merge_assist = true;
    break;

case STRIP_TRAILING_CR_OPTION:
    strip_trailing_cr = true;
    break;

case SUPPRESS_BLANK_EMPTY_OPTION:
    suppress_blank_empty = true;
    break;

case SUPPRESS_COMMON_LINES_OPTION:
    suppress_common_lines = true;
    break;

case TABSIZE_OPTION:
    numval = stroumax (optarg, &numend, 10);
    if (! (0 < numval && numval <= SIZE_MAX) || *numend)
        try_help ("invalid tabsize \\
        "%s", optarg);
    if (tabsize != numval)
        {
            if (tabsize)
fatal ("conflicting tabsize options");
    tabsize = numval;
}
break;

case TO_FILE_OPTION:
    specify_value (&to_file, optarg, "--to-file");
    break;

case UNCHANGED_LINE_FORMAT_OPTION:
case OLD_LINE_FORMAT_OPTION:
case NEW_LINE_FORMAT_OPTION:
    specify_style (OUTPUT_IFDEF);
    c -= UNCHANGED_LINE_FORMAT_OPTION;
    specify_value (&line_format[c], optarg, line_format_option[c]);
    break;

case UNCHANGED_GROUP_FORMAT_OPTION:
case OLD_GROUP_FORMAT_OPTION:
case NEW_GROUP_FORMAT_OPTION:
case CHANGED_GROUP_FORMAT_OPTION:
    specify_style (OUTPUT_IFDEF);
    c -= UNCHANGED_GROUP_FORMAT_OPTION;
    specify_value (&group_format[c], optarg, group_format_option[c]);
    break;

default:
    try_help (NULL, NULL);
}
    prev = c;

if (output_style == OUTPUT_UNSPECIFIED)
{
    if (show_c_function)
    {
        specify_style (OUTPUT_CONTEXT);
        if (ocontext < 0)
            context = 3;
    }
    else
        specify_style (OUTPUT_NORMAL);
}

if (output_style != OUTPUT_CONTEXT || hard_locale (LC_TIME))
{
    #if (defined STAT_TIMESPEC || defined STAT_TIMESPEC_NS \
        || defined HAVE_STRUCT_STAT_ST_SPARE1)
// See POSIX 1003.1-2001 for this format. */
time_format = "%a %b %e %T %Y";
}

if (0 <= ocontext
   && (output_style == OUTPUT_CONTEXT
       || output_style == OUTPUT_UNIFIED)
   && (context < ocontext
       || (ocontext < context && ! explicit_context)))
context = ocontext;

if (! tabsize)
tabsize = 8;
if (! width)
width = 130;

/* Maximize first the half line width, and then the gutter width,
   according to the following constraints:

1. Two half lines plus a gutter must fit in a line.
2. If the half line width is nonzero:
   a. The gutter width is at least GUTTER_WIDTH_MINIMUM.
   b. If tabs are not expanded to spaces,
      a half line plus a gutter is an integral number of tabs,
      so that tabs in the right column line up. */

intmax_t t = expand_tabs ? 1 : tabsize;
intmax_t w = width;
intmax_t off = (w + t + GUTTER_WIDTH_MINIMUM) / (2 * t) * t;
sdiff_half_width = MAX (0, MIN (off - GUTTER_WIDTH_MINIMUM, w - off)),
sdiff_column2_offset = sdiff_half_width ? off : w;
}

/* Make the horizon at least as large as the context, so that
   shift_boundaries has more freedom to shift the first and last hunks. */
if (horizon_lines < context)
horizon_lines = context;

summarize_regexp_list (&function_regexp_list);
summarize_regexp_list (&ignore_regexp_list);
if (output_style == OUTPUT_IFDEF)
{
    for (i = 0; i < sizeof line_format / sizeof line_format[0]; i++)
    if (!line_format[i])
        line_format[i] = "%\n";
    if (!group_format[OLD])
        group_format[OLD] = group_format[CHANGED] ? group_format[CHANGED] : "%<";
    if (!group_format[NEW])
        group_format[NEW] = group_format[CHANGED] ? group_format[CHANGED] : "%>";
    if (!group_format[UNCHANGED])
        group_format[UNCHANGED] = "%=";
    if (!group_format[CHANGED])
        group_format[CHANGED] = concat (group_format[OLD], group_format[NEW], "")
;
}

no_diff_means_no_output =
    (output_style == OUTPUT_IFDEF ?
     (!*group_format[UNCHANGED] || (STREQ (group_format[UNCHANGED], "%=") && !*line_format[UNCHANGED])))
     : (output_style != OUTPUT_SDIFF) | suppress_common_lines);

files_can_be_treated_as_binary =
    (brief & binary & ~ (ignore_blank_lines | ignore_case | strip_trailing_cr | (ignore_regexp_list.regexps || ignore_whitespace)));

switch_string = option_list (argv + 1, optind - 1);

if (from_file)
{
    if (to_file)
        fatal ("--from-file and --to-file both specified");
    else
        for (; optind < argc; optind++)
            int status = compare_files (NULL, from_file, argv[optind]);
        if (exit_status < status)
            exit_status = status;
}
}
else
{
    if (to_file)
for (; optind < argc; optind++)
{
    int status = compare_files(NULL, argv[optind], to_file);
    if (exit_status < status)
        exit_status = status;
}
else
{
    if (argc - optind != 2)
    {
        if (argc - optind < 2)
            try_help("missing operand after ""%s"", argv[argc - 1]);
        else
            try_help("extra operand ""%s"", argv[optind + 2]);
    }
    exit_status = compare_files(NULL, argv[optind], argv[optind + 1]);
}

/* Print any messages that were saved up for last. */
print_message_queue();
check_stdout();
exit (exit_status);
return exit_status;

/* Append to REGLIST the regexp PATTERN. */

static void
add_regexp (struct regexp_list *reglist, char const *pattern)
{
    size_t patlen = strlen(pattern);
    char const *m = re_compile_pattern(pattern, patlen, reglist->buf);
    if (m != 0)
        error(0, 0, "%s: %s", pattern, m);
    else
    {
        char *regexps = reglist->regexps;
        size_t len = reglist->len;
        bool multiple_regexps = reglist->multiple_regexps = regexps != 0;
        size_t newlen = reglist->len = len + 2 * multiple_regexps + patlen;
        size_t size = reglist->size;

        if (size <= newlen)
        {
            error(0, 0, "%s: %s", pattern, m);
        else
        {
if (!size)
  size = 1;

do size *= 2;
while (size <= newlen);

reglist->size = size;
reglist->regexps = regexps = xrealloc (regexps, size);
}
  if (multiple_regexps)
  {
    regexps[len++] = '\';
    regexps[len++] = '|';
  }
  memcpy (regexps + len, pattern, patlen + 1);
}

/* Ensure that REGLIST represents the disjunction of its regexps.
   This is done here, rather than earlier, to avoid O(N^2) behavior. */

static void
summarize_regexp_list (struct regexp_list *reglist)
{
  if (reglist->regexps)
  {
    /* At least one regexp was specified. Allocate a fastmap for it. */
    reglist->buf->fastmap = xmalloc (1 << CHAR_BIT);
    if (reglist->multiple_regexps)
    {
      /* Compile the disjunction of the regexps.
         (If just one regexp was specified, it is already compiled.) */
      char const *m = re_compile_pattern (reglist->regexps, reglist->len,
                                           reglist->buf);
      if (m)
        error (EXIT_TROUBLE, 0, "%s: %s", reglist->regexps, m);
    }
  }

static void
try_help (char const *reason_msgid, char const *operand)
{
  if (reason_msgid)
    error (0, 0, _(reason_msgid), operand);
  error (EXIT_TROUBLE, 0, "Try '%s --help' for more information.",
         program_name);
  abort (0);
static void check_stdout (void)
{
if (ferror (stdout))
fatal ("write failed");
else if (fclose (stdout) != 0)
pfatal_with_name (_("standard output"));
}

static char const * const option_help_msgid[] = {
N_(" --normal output a normal diff (the default)")",
N_("-q, --brief report only when files differ")",
N_("-s, --report-identical-files report when two files are the same")",
N_("-c, -C NUM, --context[=NUM] output NUM (default 3) lines of copied context")",
N_("-u, -U NUM, --unified[=NUM] output NUM (default 3) lines of unified context")",
N_("-e, --ed output an ed script")",
N_("-n, --rcs output a RCS format diff")",
N_("-y, --side-by-side output in two columns")",
N_("-W, --width=NUM output at most NUM (default 130) print columns")",
N_("--left-column output only the left column of common lines")",
N_("--suppress-common-lines do not output common lines")",
"",
N_("-p, --show-c-function show which C function each change is in")",
N_("-F, --show-function-line=RE show the most recent line matching RE")",
N_("--label LABEL use LABEL instead of file name
" (can be repeated")",
"",
N_("-t, --expand-tabs expand tabs to spaces in output")",
N_("-T, --initial-tab make tabs line up by prepending a tab")",
N_("--tabsize=NUM tab stops every NUM (default 8) print columns")",
N_("--suppress-blank-empty suppress space or tab before empty output lines")",
N_("-l, --paginate pass output through 'pr' to paginate it")",
"",
N_("-r, --recursive recursively compare any subdirectories found")",
N_("--no-dereference don't follow symbolic links")",
N_("-N, --new-file treat absent files as empty")",
N_("--unidirectional-new-file treat absent first files as empty")",
N_("--ignore-file-name-case ignore case when comparing file names")",
N_("--no-ignore-file-name-case consider case when comparing file names")",
N_("-x, --exclude=PAT exclude files that match PAT")",
N_("-X, --exclude-from=FILE exclude files that match any pattern in FILE")",
N_("-S, --starting-file=FILE start with FILE when comparing directories")",
N_("--from-file=FILE1 compare FILE1 to all operands
" FILE1 can be a directory")",
N_("--to-file=FILE2 compare all operands to FILE2
" FILE2 can be a directory"),
N_("-i, --ignore-case               ignore case differences in file contents"),
N_("-E, --ignore-tab-expansion      ignore changes due to tab expansion"),
N_("-Z, --ignore-trailing-space     ignore white space at line end"),
N_("-b, --ignore-space-change       ignore changes in the amount of white space"),
N_("-w, --ignore-all-space         ignore all white space"),
N_("-B, --ignore-blank-lines        ignore changes where lines are all blank"),
N_("-I, --ignore-matching-lines=RE ignore changes where all lines match RE"),
N_("-a, --text                      treat all files as text"),
N_("--strip-trailing-cr         strip trailing carriage return on input"),
#if O_BINARY
N_("--binary                    read and write data in binary mode"),
#endif
N_("-D, --ifdef=NAME                output merged file with '#ifdef NAME' diffs"),
N_("--GTYPE-group-format=GFMT format GTYPE input groups with GFMT"),
N_("--line-format=LFMT           format all input lines with LFMT"),
N_("--LTYPE-line-format=LFMT     format LTYPE input lines with LFMT"),
N_(" These format options provide fine-grained control over the output
    of diff, generalizing -D/--ifdef."),
N_(" LTYPE is 'old', 'new', or 'unchanged'. GTYPE is LTYPE or 'changed'."),
N_(" GFMT (only) may contain:\n  %<  lines from FILE1\n  %>  lines from FILE2\n  %= lines common to FILE1 and FILE2\n  %[-][WIDTH][[PREC]][(doX)]LETTER printf-style spec for LETTER\n  LETTERs are as follows for new group, lower case for old group:\n    F  first line number\n    L  last line number\n    N  number of lines = L-F+1\n    E  F-1\n    M  L+1\n  %(A=B?T:E)  if A equals B then T else E"),
N_(" LFMT (only) may contain:\n  %L  contents of line\n  %1 contents of line, excluding any trailing newline\n  %[-][WIDTH][[PREC]][(doX)]n printf-style spec for input line number"),
N_(" Both GFMT and LFMT may contain:\n  %\%\n  %c'C'  the single character C\n  %c'\OOO' the character with octal code OOO\n  C  the character C (other characters represent themselves)"),
N_("-d, --minimal            try hard to find a smaller set of changes"),
N_(" --horizon-lines=NUM  keep NUM lines of the common prefix and suffix"),
N_(" --speed-large-files    assume large files and many scattered small changes"),
static void
usage (void)
{
    char const * const *p;

    printf (_("Usage: \%s [\OPTION]... FILES\n"), program_name);
    printf (_("Compare FILES line by line.
"));
    fputs (_("\n Mandatory arguments to long options are mandatory for short options too.\n "), stdout);

    for (p = option_help_msgid;  *p;  p++)
    {
        if (!**p)
            putchar ('\n');
        else
        {
            char const *msg = _(*p);
            char const *nl;
            while ((nl = strchr (msg, '\n')))
            {
                int msglen = nl + 1 - msg;
                printf (_("\%s\n", msglen, msg);
                msg = nl + 1;
            }

            printf (_("\%s\n" + 2 * (*msg != ' ' && *msg != '-'), msg);
        }
    }
    emit_bug_reporting_address ();
}

/* Set VAR to VALUE, reporting an OPTION error if this is a
 conflict. */
static void
specify_value (char const **var, char const *value, char const *option)
{
if (*var && ! STREQ (*var, value))
{
    error (0, 0, _("conflicting %s option value '%s'"), option, value);
    try_help (NULL, NULL);
}
*var = value;

/* Set the output style to STYLE, diagnosing conflicts. */
static void
specify_style (enum output_style style)
{
    if (output_style != style)
    {
        if (output_style != OUTPUT_UNSPECIFIED)
            try_help (_("conflicting output style options"), NULL);
        output_style = style;
    }
}

/* Set the last-modified time of *ST to be the current time. */
static void
set_mtime_to_now (struct stat *st)
{
    #ifdef STAT_TIMESPEC
    gettime (&STAT_TIMESPEC (st, st_mtim));
    #else
    struct timespec t;
    gettime (&t);
    st->st_mtime = t.tv_sec;
    # if defined STAT_TIMESPEC_NS
    STAT_TIMESPEC_NS (st, st_mtim) = t.tv_nsec;
    # else defined HAVE_STRUCT_STAT_ST_SPARE1
    st->st_spare1 = t.tv_nsec / 1000;
    # endif
    #endif

    /* Compare two files (or dirs) with parent comparison PARENT
 and names NAME0 and NAME1.
 (If PARENT is null, then the first name is just NAME0, etc.)
 This is self-contained; it opens the files and closes them.

 Value is EXIT_SUCCESS if files are the same, EXIT_FAILURE if
 different, EXIT_TROUBLE if there is a problem opening them. */

    static int
compare_files (struct comparison const *parent,
    char const *name0,
    char const *name1)
{
    struct comparison cmp;
    #define DIR_P(f) (S_ISDIR (cmp.file[f].stat.st_mode) != 0)
    register int f;
    int status = EXIT_SUCCESS;
    bool same_files;
    char *free0;
    char *free1;

    /* If this is directory comparison, perhaps we have a file
       that exists only in one of the directories.
       If so, just print a message to that effect. */
    if (! ((name0 && name1)
        || (unidirectional_new_file && name1)
        || new_file))
    {
        char const *name = name0 ? name0 : name1;
        char const *dir = parent->file[!name0].name;

        /* See POSIX 1003.1-2001 for this format. */
        message ("Only in %s: %s\n", dir, name);

        /* Return EXIT_FAILURE so that diff_dirs will return
           EXIT_FAILURE ("some files differ"). */
    return EXIT_FAILURE;
    }
    memset (cmp.file, 0, sizeof cmp.file);
    cmp.parent = parent;

    /* cmp.file[f].desc markers */
    #define NONEXISTENT (-1) /* nonexistent file */
    #define UNOPENED (-2) /* unopened file (e.g. directory) */
    #define ERRNO_ENCODE(errno) (-3 - (errno)) /* encoded errno value */
    #define ERRNO_DECODE(desc) (-3 - (desc)) /* inverse of ERRNO_ENCODE */

    cmp.file[0].desc = name0 ? UNOPENED : NONEXISTENT;
    cmp.file[1].desc = name1 ? UNOPENED : NONEXISTENT;

    /* Now record the full name of each file, including nonexistent ones. */
    if (!name0)
        name0 = name1;
if (!name1)
    name1 = name0;

if (!parent)
{
    free0 = NULL;
    free1 = NULL;
    cmp.file[0].name = name0;
    cmp.file[1].name = name1;
}
else
{
    cmp.file[0].name = free0
    cmp.file[0].name = file_name_concat (parent->file[0].name, name0, NULL);
    cmp.file[1].name = free1
    cmp.file[1].name = file_name_concat (parent->file[1].name, name1, NULL);
}

/* Stat the files. */

for (f = 0; f < 2; f++)
{
    if (cmp.file[f].desc != NONEXISTENT)
    {
        if (f && file_name_cmp (cmp.file[f].name, cmp.file[0].name) == 0)
        {
            cmp.file[f].desc = cmp.file[0].desc;
            cmp.file[f].stat = cmp.file[0].stat;
        }
        else if (STREQ (cmp.file[f].name, "-"))
        {
            cmp.file[f].desc = STDIN_FILENO;
            if (binary && !isatty (STDIN_FILENO))
                set_binary_mode (STDIN_FILENO, O_BINARY);
            if (fstat (STDIN_FILENO, &cmp.file[f].stat) != 0)
                cmp.file[f].desc = ERRNO_ENCODE (errno);
            else
                {
                    if (S_ISREG (cmp.file[f].stat.st_mode))
                    {
                        off_t pos = lseek (STDIN_FILENO, 0, SEEK_CUR);
                        if (pos < 0)
                            cmp.file[f].desc = ERRNO_ENCODE (errno);
                        else
                            cmp.file[f].stat.st_size =
                                MAX (0, cmp.file[f].stat.st_size - pos);
                    }
                }
/* POSIX 1003.1-2001 requires current time for stdin. */
set_mtime_to_now (&cmp.file[f].stat);
}
}
else if ((no_dereference_symlinks
? lstat (cmp.file[f].name, &cmp.file[f].stat)
: stat (cmp.file[f].name, &cmp.file[f].stat))
!= 0)
cmp.file[f].desc = ERRNO_ENCODE (errno);
}
}

/* Mark files as nonexistent as needed for -N and -P, if they are
inaccessible empty regular files (the kind of files that 'patch'
creates to indicate nonexistent backups), or if they are
top-level files that do not exist but their counterparts do
exist. */
for (f = 0; f < 2; f++)
if ((new_file || (f == 0 && unidirectional_new_file))
&& (cmp.file[f].desc == UNOPENED
? (S_ISREG (cmp.file[f].stat.st_mode)
&& ! (cmp.file[f].stat.st_mode & (S_IRWXU | S_IRWXG | S_IRWXO))
&& cmp.file[f].stat.st_size == 0)
: ((cmp.file[f].desc == ERRNO_ENCODE (ENOENT)
|| cmp.file[f].desc == ERRNO_ENCODE (EBADF))
&& ! parent
&& (cmp.file[1 - f].desc == UNOPENED
|| cmp.file[1 - f].desc == STDIN_FILENO)))
cmp.file[f].desc = NONEXISTENT;

for (f = 0; f < 2; f++)
if (cmp.file[f].desc == NONEXISTENT)
{
  memset (&cmp.file[f].stat, 0, sizeof cmp.file[f].stat);
cmp.file[f].stat.st_mode = cmp.file[1 - f].stat.st_mode;
}

for (f = 0; f < 2; f++)
{
  int e = ERRNO_DECODE (cmp.file[f].desc);
  if (0 <= e)
  {
    errno = e;
perror_with_name (cmp.file[f].name);
    status = EXIT_TROUBLE;
  }
}
if (status == EXIT_SUCCESS && ! parent && ! DIR_P (0) != DIR_P (1))
{
    /* If one is a directory, and it was specified in the command line,
    use the file in that dir with the other file's basename. */

    int fnm_arg = DIR_P (0);
    int dir_arg = 1 - fnm_arg;
    char const *fnm = cmp.file[fnm_arg].name;
    char const *dir = cmp.file[dir_arg].name;
    char const *filename = cmp.file[dir_arg].name = free0
        = find_dir_file_pathname (dir, last_component (fnm));

    if (STREQ (fnm, "-"))
        fatal ("cannot compare '-' to a directory");

    if (!no_dereference_symlinks
        ? lstat (filename, &cmp.file[dir_arg].stat)
        : stat (filename, &cmp.file[dir_arg].stat))
        != 0)
    {
        perror_with_name (filename);
        status = EXIT_TROUBLE;
    }
}

if (status != EXIT_SUCCESS)
{
    /* One of the files should exist but does not. */
}
else if (cmp.file[0].desc == NONEXISTENT
    && cmp.file[1].desc == NONEXISTENT)
{
    /* Neither file "exists", so there's nothing to compare. */
}
else if (((same_files
        = (cmp.file[0].desc != NONEXISTENT
            && cmp.file[1].desc != NONEXISTENT
            && 0 < same_file (&cmp.file[0].stat, &cmp.file[1].stat)
            && same_file_attributes (&cmp.file[0].stat,
                &cmp.file[1].stat)))
        && no_diff_means_no_output)
{
    /* The two named files are actually the same physical file.
    We know they are identical without actually reading them. */
}
else if (DIR_P (0) & DIR_P (1))
{
if (output_style == OUTPUT_IFDEF)
fatal ("-D option not supported with directories");

/* If both are directories, compare the files in them. */

if (parent && !recursive)
{
/* But don't compare dir contents one level down unless -r was specified.
   See POSIX 1003.1-2001 for this format. */
message ("Common subdirectories: %s and %s\n", cmp.file[0].name, cmp.file[1].name);
}
else
status = diff_dirs (&cmp, compare_files);
}
else if ((DIR_P (0) | DIR_P (1))
    || (parent
        && !(S_ISREG (cmp.file[0].stat.st_mode)
            || S_ISLNK (cmp.file[0].stat.st_mode))
        && (S_ISREG (cmp.file[1].stat.st_mode)
            || S_ISLNK (cmp.file[1].stat.st_mode)))
    {
    if (cmp.file[0].desc == NONEXISTENT || cmp.file[1].desc == NONEXISTENT)
    {
    /* We have a subdirectory that exists only in one directory. */
    
    if ((DIR_P (0) | DIR_P (1))
        && recursive
        && (new_file
            || (unidirectional_new_file
                && cmp.file[0].desc == NONEXISTENT)))
        status = diff_dirs (&cmp, compare_files);
    else
    {
    char const *dir;

    /* PARENT must be non-NULL here. */
    assert (parent);
    dir = parent->file[cmp.file[0].desc == NONEXISTENT].name;

    /* See POSIX 1003.1-2001 for this format. */
    message ("Only in %s: %s\n", dir, name0);

    status = EXIT_FAILURE;
    }
    }
else
{"/* We have two files that are not to be compared. */

/* See POSIX 1003.1-2001 for this format. */
message5 ("File %s is a %s while file %s is a %s\n",
  file_label[0] ? file_label[0] : cmp.file[0].name,
  file_type (&cmp.file[0].stat),
  file_type (&cmp.file[1].stat));

/* This is a difference. */
status = EXIT_FAILURE;
}

else if (S_ISLNK (cmp.file[0].stat.st_mode)
  || S_ISLNK (cmp.file[1].stat.st_mode))
{
  /* We get here only if we use lstat(), not stat(). */
  assert (no_dereference_symlinks);

  if (S_ISLNK (cmp.file[0].stat.st_mode)
    && S_ISLNK (cmp.file[1].stat.st_mode))
  {
    /* Compare the values of the symbolic links. */
    char *link_value[2] = { NULL, NULL };

    for (f = 0; f < 2; f++)
      { 
        link_value[f] = xreadlink (cmp.file[f].name);
        if (link_value[f] == NULL)
          { 
            perror_with_name (cmp.file[f].name);
            status = EXIT_TROUBLE;
            break;
          }
      }
    if (status == EXIT_SUCCESS)
      { 
        if ( ! STREQ (link_value[0], link_value[1]))
          { 
            message ("Symbolic links %s and %s differ\n",
              cmp.file[0].name, cmp.file[1].name);
            /* This is a difference. */
            status = EXIT_FAILURE;
          }
      }
    for (f = 0; f < 2; f++)
      free (link_value[f]);
  }
}
else
{
/* We have two files that are not to be compared, because
one of them is a symbolic link and the other one is not. */

message5 ("File %s is a %s while file %s is a %s\n", 
file_label[0] ? file_label[0] : cmp.file[0].name, 
file_type (&cmp.file[0].stat), 
file_type (&cmp.file[1].stat));

/* This is a difference. */
status = EXIT_FAILURE;
}
}
else if (files_can_be_treated_as_binary 
&& S_ISREG (cmp.file[0].stat.st_mode) 
&& S_ISREG (cmp.file[1].stat.st_mode) 
&& cmp.file[0].stat.st_size != cmp.file[1].stat.st_size)
{
message ("Files %s and %s differ\n", 
file_label[0] ? file_label[0] : cmp.file[0].name, 
status = EXIT_FAILURE;
}
else
{
/* Both exist and neither is a directory. */

/* Open the files and record their descriptors. */

int oflags = O_RDONLY | (binary ? O_BINARY : 0);

if (cmp.file[0].desc == UNOPENED)
if ((cmp.file[0].desc = open (cmp.file[0].name, oflags, 0)) < 0)
{
 perror_with_name (cmp.file[0].name);
status = EXIT_TROUBLE;
}
if (cmp.file[1].desc == UNOPENED)
{
if (same_files)
cmp.file[1].desc = cmp.file[0].desc;
else if (cmp.file[1].desc = open (cmp.file[1].name, oflags, 0) < 0)
{
 perror_with_name (cmp.file[1].name);
status = EXIT_TROUBLE;
}
if (status == EXIT_SUCCESS)
status = diff_2_files (&cmp);

/* Close the file descriptors. */

if (0 <= cmp.file[0].desc && close (cmp.file[0].desc) != 0)
{
perror_with_name (cmp.file[0].name);
status = EXIT_TROUBLE;
}
if (0 <= cmp.file[1].desc && cmp.file[0].desc != cmp.file[1].desc
&& close (cmp.file[1].desc) != 0)
{
perror_with_name (cmp.file[1].name);
status = EXIT_TROUBLE;
}

/* Now the comparison has been done, if no error prevented it,
and STATUS is the value this function will return. */

if (status == EXIT_SUCCESS)
{
    if (report_identical_files && !DIR_P (0))
message ("Files %s and %s are identical
",
    file_label[0] ? file_label[0] : cmp.file[0].name,
}
else
{
    /* Flush stdout so that the user sees differences immediately.
This can hurt performance, unfortunately. */
    if (fflush (stdout) != 0)
pfatal_with_name (_("standard output"));
}

free (free0);
free (free1);

return status;

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The reason we have a separate public license for some libraries is that they blur the distinction we usually make between modifying or adding to a program and simply using it. Linking a program with a library, without changing the library, is in some sense simply using the library, and is analogous to running a utility program or application program. However, in a textual and legal sense, the linked executable is a combined work, a derivative of the original library, and the ordinary General Public License treats it as such.

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.

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, while the latter only works together with the library.

Note that it is possible for a library to be covered by the ordinary General Public License rather than by this special one.

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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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   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.

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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.)

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

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Appendix: How to Apply These Terms to Your New Libraries

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

That's all there is to it!

1.1068 eureka-client 1.9.0

1.1069 protobuf-java-format 1.2

1.1069.1 Available under license :

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The End

1.1071 xz 5.2.2-1.el7.0atomix1
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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.

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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
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d) If distribution of the work is made by offering access to copy
from a designated place, offer equivalent access to copy the above
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e) Verify that the user has already received a copy of these
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Library" must include any data and utility programs needed for
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Version 2.1, February 1999

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Section 6 states terms for distribution of such executables.

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threshold for this to be true is not precisely defined by law.

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functions (ten lines or less in length), then the use of the object
file is unrestricted, regardless of whether it is legally a derivative
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Otherwise, if the work is a derivative of the Library, you may
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Version 1.1

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analysis/common/src/java/net/sf/snowball
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  analysis/common/src/resources/org/apache/lucene/analysis/fa/stopwords.txt,
  analysis/common/src/resources/org/apache/lucene/analysis/ro/stopwords.txt,
  analysis/common/src/resources/org/apache/lucene/analysis/bg/stopwords.txt,
  analysis/common/src/resources/org/apache/lucene/analysis/hi/stopwords.txt,
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  analysis/common/src/java/org/apache/lucene/analysis/de/GermanLightStemmer.java
  analysis/common/src/java/org/apache/lucene/analysis/de/GermanMinimalStemmer.java
  analysis/common/src/java/org/apache/lucene/analysis/es/SpanishLightStemmer.java
  analysis/common/src/java/org/apache/lucene/analysis/fi/FinnishLightStemmer.java
  analysis/common/src/java/org/apache/lucene/analysis/fr/FrenchLightStemmer.java
  analysis/common/src/java/org/apache/lucene/analysis/fr/FrenchMinimalStemmer.java
  analysis/common/src/java/org/apache/lucene/analysis/hu/HungarianLightStemmer.java
  analysis/common/src/java/org/apache/lucene/analysis/it/ItalianLightStemmer.java
  analysis/common/src/java/org/apache/lucene/analysis/pt/PortugueseLightStemmer.java
  analysis/common/src/java/org/apache/lucene/analysis/ru/RussianLightStemmer.java
  analysis/common/src/java/org/apache/lucene/analysis/sv/SwedishLightStemmer.java

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Network Working Group  H. Krawczyk
Request for Comments: 2104    IBM
Category: Informational   M. Bellare
           R. Canetti
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February 1997

HMAC: Keyed-Hashing for Message Authentication

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 * @author twall
 */
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1.1115 spring-boot 2.0.2.RELEASE

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* /opt/ws_local/PERMITS_SQL/1031203703_1594250631.64/0/spring-boot-2-0-2-release-sources-1-jar/org/springframework/boot/lang/package-info.java
* /opt/ws_local/PERMITS_SQL/1031203703_1594250631.64/0/spring-boot-2-0-2-release-sources-1-jar/org/springframework/boot/jackson/JsonObjectSerializer.java
* /opt/ws_local/PERMITS_SQL/1031203703_1594250631.64/0/spring-boot-2-0-2-release-sources-1-jar/org/springframework/boot/logging/java/SimpleFormatter.java
* /opt/ws_local/PERMITS_SQL/1031203703_1594250631.64/0/spring-boot-2-0-2-release-sources-1-jar/org/springframework/boot/jackson/JsonComponentModule.java
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jar/org/springframework/boot/diagnostics/analyzer/UnboundConfigurationPropertyFailureAnalyzer.java
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jar/org/springframework/boot/jta/atomikos/AtomikosConnectionFactoryBean.java
* /opt/ws_local/PERMITS_SQL/1031203703_1594250631.64/0/spring-boot-2.0.2-release-sources-1-
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* /opt/ws_local/PERMITS_SQL/1031203703_1594250631.64/0/spring-boot-2.0.2-release-sources-1-
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jar/system/JavaVersion.java
* /opt/ws_local/PERMITS_SQL/1031203703_1594250631.64/0/spring-boot-2.0.2-release-sources-1-
jar/web/server/AbstractConfigurableWebServerFactory.java
* /opt/ws_local/PERMITS_SQL/1031203703_1594250631.64/0/spring-boot-2.0.2-release-sources-1-
jar/web/reactive/context/ConfigurableReactiveWebEnvironment.java
* /opt/ws_local/PERMITS_SQL/1031203703_1594250631.64/0/spring-boot-2.0.2-release-sources-1-
jar/web/embedded/tomcat/TomcatEmbeddedContext.java
* /opt/ws_local/PERMITS_SQL/1031203703_1594250631.64/0/spring-boot-2.0.2-release-sources-1-
jar/web/context/properties/source/PropertyMapping.java
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 */
/**
 * A {@link WebApplicationContext} that can be used to bootstrap itself from a contained
 * {@link ServletWebServerFactory} bean.
 * <p>
 * This context will create, initialize and run an {@link WebServer} by searching for a
 * single {@link ServletWebServerFactory} bean within the {@link ApplicationContext}
 * itself. The {@link ServletWebServerFactory} is free to use standard Spring concepts
 * (such as dependency injection, lifecycle callbacks and property placeholder variables).
 * <p>
 * In addition, any {@link Servlet} or {@link Filter} beans defined in the context will be
 * automatically registered with the web server. In the case of a single Servlet bean, the
 * '/' mapping will be used. If multiple Servlet beans are found then the lowercase bean
 * name will be used as a mapping prefix. Any Servlet named 'dispatcherServlet' will
 * always be mapped to '/'. Filter beans will be mapped to all URLs ('/*').
 * <p>
 * For more advanced configuration, the context can instead define beans that implement
 * the {@link ServletContextInitializer} interface (most often
 * {@link ServletRegistrationBean}s and/or {@link FilterRegistrationBean}s). To prevent
 * double registration, the use of {@link ServletContextInitializer} beans will disable
 * automatic Servlet and Filter bean registration.
 * <p>
 * Although this context can be used directly, most developers should consider using the
 * {@link AnnotationConfigServletWebServerApplicationContext} or
 * {@link XmlServletWebServerApplicationContext} variants.
 * <p>
 * @author Phillip Webb
*/
* @author Dave Syer
* @see AnnotationConfigServletWebServerApplicationContext
* @see XmlServletWebServerApplicationContext
* @see ServletWebServerFactory
*/

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* /opt/ws_local/PERMITS_SQL/1031203703_1594250631.64/0/spring-boot-2-0-2-release-sources-1.jar/org/springframework/boot/web/servlet/context/ServletWebServerApplicationContext.java
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* /opt/ws_local/PERMITS_SQL/1031203703_1594250631.64/0/spring-boot-2-0-2-release-sources-1.jar/org/springframework/boot/context/properties/PropertySourcesDeducer.java
* /opt/ws_local/PERMITS_SQL/1031203703_1594250631.64/0/spring-boot-2-0-2-release-sources-1.jar/org/springframework/boot/convert/CollectionToDelimitedStringConverter.java
* /opt/ws_local/PERMITS_SQL/1031203703_1594250631.64/0/spring-boot-2.0.2-release-sources-1.jar/org/springframework/boot/builder/ParentContextApplicationContextInitializer.java
* /opt/ws_local/PERMITS_SQL/1031203703_1594250631.64/0/spring-boot-2.0.2-release-sources-1.jar/org/springframework/boot/jms/package-info.java
* /opt/ws_local/PERMITS_SQL/1031203703_1594250631.64/0/spring-boot-2.0.2-release-sources-1.jar/org/springframework/boot/web/servlet/RegistrationBean.java
* /opt/ws_local/PERMITS_SQL/1031203703_1594250631.64/0/spring-boot-2.0.2-release-sources-1.jar/org/springframework/boot/web/embedded/tomcat/ConfigurableTomcatWebServerFactory.java
* /opt/ws_local/PERMITS_SQL/1031203703_1594250631.64/0/spring-boot-2.0.2-release-sources-1.jar/org/springframework/boot/jdbc/XADataSourceWrapper.java
* /opt/ws_local/PERMITS_SQL/1031203703_1594250631.64/0/spring-boot-2.0.2-release-sources-1.jar/org/springframework/boot/jta/narayana/NarayanaXAConnectionFactoryWrapper.java
* /opt/ws_local/PERMITS_SQL/1031203703_1594250631.64/0/spring-boot-2.0.2-release-sources-1.jar/org/springframework/boot/context/properties/source/ConfigurationPropertySource.java
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1.1117 maven-resolver-util 1.0.3

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1.1119 opensaml-xmlsec-impl 3.3.0

1.1120 commons-beanutils-core 1.8.3

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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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 */

package org.elasticsearch.client.license;

import java.util.Locale;

public enum LicensesStatus {
    VALID((byte) 0),
    INVALID((byte) 1),
    EXPIRED((byte) 2);

    private final byte id;

    LicensesStatus(byte id) {
        this.id = id;
    }

    public int id() {
        return id;
    }
}
public static LicensesStatus fromId(int id) {
    if (id == 0) {
        return VALID;
    } else if (id == 1) {
        return INVALID;
    } else if (id == 2) {
        return EXPIRED;
    } else {
        throw new IllegalStateException("no valid LicensesStatus for id=" + id);
    }
}

@Override
public String toString() {
    return this.name().toLowerCase(Locale.ROOT);
}

public static LicensesStatus fromString(String value) {
    switch (value) {
    case "valid":
        return VALID;
    case "invalid":
        return INVALID;
    case "expired":
        return EXPIRED;
    default:
        throw new IllegalArgumentException("unknown licenses status [" + value + "]");
    }
}

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 */
import org.elasticsearch.client.Validatable;
import org.elasticsearch.common.Nullable;

public class StartTrialRequest implements Validatable {

    private final boolean acknowledge;
    private final String licenseType;

    public StartTrialRequest() {
        this(false);
    }

    public StartTrialRequest(boolean acknowledge) {
        this(acknowledge, null);
    }

    public StartTrialRequest(boolean acknowledge, @Nullable String licenseType) {
        this.acknowledge = acknowledge;
        this.licenseType = licenseType;
    }

    public boolean isAcknowledge() {
        return acknowledge;
    }

    public String getLicenseType() {
        return licenseType;
    }
}

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package org.elasticsearch.client.license;

import org.elasticsearch.client.TimedRequest;

public class DeleteLicenseRequest extends TimedRequest {
}

package org.elasticsearch.client.license;

public class GetLicenseResponse {
    private String license;

    GetLicenseResponse() {
    }

    public GetLicenseResponse(String license) {
        this.license = license;
    }

    public String getLicenseDefinition() {
        return license;
    }

    }

package org.elasticsearch.client.license;

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 */
package org.elasticsearch.client.license;

import org.elasticsearch.client.Validatable;

public class GetLicenseRequest implements Validatable {

    protected boolean local = false;

    public GetLicenseRequest() {
    }

    public boolean isLocal() {
        return local;
    }

    public void setLocal(boolean local) {
        this.local = local;
    }

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}
package org.elasticsearch.client.license;

import org.elasticsearch.client.TimedRequest;

public class PutLicenseRequest extends TimedRequest {

    private String licenseDefinition;
    private boolean acknowledge = false;

    public PutLicenseRequest() {
    }
}
public void setLicenseDefinition(String licenseDefinition) {
    this.licenseDefinition = licenseDefinition;
}

public String getLicenseDefinition() {
    return licenseDefinition;
}

public void setAcknowledge(boolean acknowledge) {
    this.acknowledge = acknowledge;
}

public boolean isAcknowledge() {
    return acknowledge;
}
}

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 */

package org.elasticsearch.client.license;

import org.elasticsearch.client.TimedRequest;

public class StartBasicRequest extends TimedRequest {
    private final boolean acknowledge;

    public StartBasicRequest() {
        this(false);
    }

    public StartBasicRequest(boolean acknowledge) {
        this.acknowledge = acknowledge;
    }

    public StartBasicRequest(StartBasicRequest request) {
        this(request.acknowledge);
    }

    public void setAcknowledge(boolean acknowledge) {
        this.acknowledge = acknowledge;
    }

    public StartBasicRequest(boolean acknowledge) {
        this.acknowledge = acknowledge;
    }

    public boolean isAcknowledge() {
        return acknowledge;
    }

    public String getLicenseDefinition() {
        return licenseDefinition;
    }

    public void setLicenseDefinition(String licenseDefinition) {
        this.licenseDefinition = licenseDefinition;
    }

    @Override
    public String toString() {
        return this.acknowledge;
    }
}

package org.elasticsearch.client.license;

import org.elasticsearch.client.TimedRequest;

public class StartBasicRequest extends TimedRequest {
    private final boolean acknowledge;

    public StartBasicRequest() {
        this(false);
    }

    public StartBasicRequest(boolean acknowledge) {
        this.acknowledge = acknowledge;
    }

    public StartBasicRequest(StartBasicRequest request) {
        this(request.acknowledge);
    }

    public void setAcknowledge(boolean acknowledge) {
        this.acknowledge = acknowledge;
    }

    public boolean isAcknowledge() {
        return acknowledge;
    }

    public String getLicenseDefinition() {
        return licenseDefinition;
    }

    public void setLicenseDefinition(String licenseDefinition) {
        this.licenseDefinition = licenseDefinition;
    }

    @Override
    public String toString() {
        return this.acknowledge;
    }
}
public boolean isAcknowledge() {
    return acknowledge;
}
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*/

package org.elasticsearch.client.license;

import org.elasticsearch.common.ParseField;
import org.elasticsearch.common.collect.Tuple;
import org.elasticsearch.common.xcontent.ConstructingObjectParser;
import org.elasticsearch.common.xcontent.XContentParseException;
import org.elasticsearch.common.xcontent.XContentParser;
import org.elasticsearch.client.common.ProtocolUtils;
import java.io.IOException;
import java.util.ArrayList;
import java.util.Collections;
import java.util.HashMap;
import java.util.List;
import java.util.Map;
import java.util.Objects;
import static org.elasticsearch.common.xcontent.ConstructingObjectParser.constructorArg;
import static org.elasticsearch.common.xcontent.ConstructingObjectParser.optionalConstructorArg;

public final class PutLicenseResponse {

    private static final ConstructingObjectParser<PutLicenseResponse, Void> PARSER = new
    ConstructingObjectParser<>(

        public final class PutLicenseResponse {

            private static final ConstructingObjectParser<PutLicenseResponse, Void> PARSER = new
            ConstructingObjectParser<>(

public boolean isAcknowledge() {
    return acknowledge;
}
}
"put_license_response", true, (a, v) -> {
    boolean acknowledged = (Boolean) a[0];
    LicensesStatus licensesStatus = LicensesStatus.fromString((String) a[1]);
    @SuppressWarnings("unchecked") Tuple<String, Map<String, String[]>> acknowledgements = (Tuple<String, Map<String, String[]>>) a[2];
    if (acknowledgements == null) {
        return new PutLicenseResponse(acknowledged, licensesStatus);
    } else {
        return new PutLicenseResponse(acknowledged, licensesStatus, acknowledgements.v1(),
            acknowledgements.v2());
    }
});

static {
    PARSER.declareBoolean(constructorArg(), new ParseField("acknowledged"));
    PARSER.declareString(constructorArg(), new ParseField("license_status"));
    PARSER.declareObject(optionalConstructorArg(), (parser, v) -> {
        Map<String, String[]> acknowledgeMessages = new HashMap<>();
        String message = null;
        XContentParser.Token token;
        String currentFieldName = null;
        while ((token = parser.nextToken()) != XContentParser.Token.END_OBJECT) {
            if (token == XContentParser.Token.FIELD_NAME) {
                currentFieldName = parser.currentName();
            } else {
                if (currentFieldName == null) {
                    throw new XContentParseException(parser.getTokenLocation(), "expected message header or
                        acknowledgement");
                }
                if ("message".equals(currentFieldName)) {
                    if (token != XContentParser.Token.VALUE_STRING) {
                        throw new XContentParseException(parser getTokenLocation(), "unexpected message header
                            type");
                    }
                    message = parser.text();
                } else {
                    if (token != XContentParser.Token.START_ARRAY) {
                        throw new XContentParseException(parser getTokenLocation(), "unexpected acknowledgement
                            type");
                    }
                    List<String> acknowledgeMessagesList = new ArrayList<>();
                    while ((token = parser.nextToken()) != XContentParser.Token.END_ARRAY) {
                        if (token != XContentParser.Token.VALUE_STRING) {
                            throw new XContentParseException(parser getTokenLocation(), "unexpected acknowledgement
                                text");
                        }
                        acknowledgeMessagesList.add(parser.text());
                    }
                    acknowledgeMessagesList.add(parser.text());
                }
            }
        }
    });
}
private boolean acknowledged;
private LicensesStatus status;
private Map<String, String[]> acknowledgeMessages;
private String acknowledgeHeader;

public PutLicenseResponse() {
}

public PutLicenseResponse(boolean acknowledged, LicensesStatus status) {
    this(acknowledged, status, null, Collections.<String, String[]>emptyMap());
}

public PutLicenseResponse(boolean acknowledged, LicensesStatus status, String acknowledgeHeader, 
Map<String, String[]> acknowledgeMessages) {
    this.acknowledged = acknowledged;
    this.status = status;
    this.acknowledgeHeader = acknowledgeHeader;
    this.acknowledgeMessages = acknowledgeMessages;
}

public boolean isAcknowledged() {
    return acknowledged;
}

public LicensesStatus status() {
    return status;
}

public Map<String, String[]> acknowledgeMessages() {
    return acknowledgeMessages;
}

public String acknowledgeHeader() {
    return acknowledgeHeader;
}

public static PutLicenseResponse fromXContent(XContentParser parser) throws IOException {
    return PARSER.parse(parser, null);
}
@Override
public boolean equals(Object o) {
    if (this == o) return true;
    if (o == null || getClass() != o.getClass()) return false;
    if (!super.equals(o)) return false;
    PutLicenseResponse that = (PutLicenseResponse) o;

    return status == that.status &&
           ProtocolUtils.equals(acknowledgeMessages, that.acknowledgeMessages) &&
           Objects.equals(acknowledgeHeader, that.acknowledgeHeader);
}

@Override
public int hashCode() {
    return Objects.hash(super.hashCode(), status, ProtocolUtils.hashCode(acknowledgeMessages),
                        acknowledgeHeader);
}

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package org.elasticsearch.client.license;

import org.elasticsearch.common.ParseField;
import org.elasticsearch.common.collect.Tuple;
import org.elasticsearch.common.xcontent.ConstructingObjectParser;
import org.elasticsearch.common.xcontent.XContentParseException;
import org.elasticsearch.common.xcontent.XContentParser;
import java.io.IOException;
import java.util.ArrayList;
import java.util.HashMap;
import java.util.List;
import java.util.Map;
import static org.elasticsearch.common.xcontent.ConstructingObjectParser.constructorArg;
import static org.elasticsearch.common.xcontent.ConstructingObjectParser.optionalConstructorArg;

public class StartTrialResponse {

    private static final ConstructingObjectParser<StartTrialResponse, Void> PARSER = new
            ConstructingObjectParser<"start_trial_response",
                    true,
                    (Object[] arguments, Void aVoid) -> {
                        final boolean acknowledged = (boolean) arguments[0];
                        final boolean trialWasStarted = (boolean) arguments[1];
                        final String licenseType = (String) arguments[2];
                        final String errorMessage = (String) arguments[3];

                        @SuppressWarnings("unchecked")
                        final Tuple<String, Map<String, String[]>> acknowledgeDetails = (Tuple<String, Map<String, String[]>>)
                                arguments[4];
                        final String acknowledgeHeader;
                        final Map<String, String[]> acknowledgeMessages;
                        if (acknowledgeDetails != null) {
                            acknowledgeHeader = acknowledgeDetails.v1();
                            acknowledgeMessages = acknowledgeDetails.v2();
                        } else {
                            acknowledgeHeader = null;
                            acknowledgeMessages = null;
                        }

                        return new StartTrialResponse(acknowledged, trialWasStarted, licenseType, errorMessage,
                                acknowledgeHeader,
                                acknowledgeMessages);
                    });

    static {
        PARSER.declareBoolean(constructorArg(), new ParseField("acknowledged"));
        PARSER.declareBoolean(constructorArg(), new ParseField("trial_was_started"));
        PARSER.declareString(optionalConstructorArg(), new ParseField("type"));
        PARSER.declareString(optionalConstructorArg(), new ParseField("error_message"));
        // todo consolidate this parsing with the parsing in PutLicenseResponse
        PARSER.declareObject(optionalConstructorArg(), (parser, aVoid) -> {


```
final Map<String, String[]> acknowledgeMessages = new HashMap<>();
String message = null;

final Map<String, Object> parsedMap = parser.map();
for (Map.Entry<String, Object> entry : parsedMap.entrySet()) {
    if (entry.getKey().equals("message")) {
        if (entry.getValue() instanceof String) {
            message = (String) entry.getValue();
        } else {
            throw new XContentParseException(parser.getTokenLocation(), "unexpected acknowledgement header type");
        }
    } else {
        if (entry.getValue() instanceof List) {
            final List<String> messageStrings = new ArrayList<>();
            final List<Object> messageObjects = (List<Object>) entry.getValue();
            for (Object messageObject : messageObjects) {
                if (messageObject instanceof String) {
                    messageStrings.add((String) messageObject);
                } else {
                    throw new XContentParseException(parser.getTokenLocation(), "expected text in acknowledgement message");
                }
            }
            acknowledgeMessages.put(entry.getKey(), messageStrings.toArray(new String[messageStrings.size()]));
        } else {
            throw new XContentParseException(parser.getTokenLocation(), "unexpected acknowledgement message type");
        }
    }
}

if (message == null) {
    throw new XContentParseException(parser.getTokenLocation(), "expected acknowledgement header");
}

return new Tuple<>(message, acknowledgeMessages);

public static StartTrialResponse fromXContent(XContentParser parser) throws IOException {
    return PARSER.apply(parser, null);
}
private final boolean acknowledged;
private final boolean trialWasStarted;
private final String licenseType;
private final String errorMessage;
private final String acknowledgeHeader;
private final Map<String, String[]> acknowledgeMessages;

public StartTrialResponse(boolean acknowledged,
    boolean trialWasStarted,
    String licenseType,
    String errorMessage,
    String acknowledgeHeader,
    Map<String, String[]> acknowledgeMessages) {
    this.acknowledged = acknowledged;
    this.trialWasStarted = trialWasStarted;
    this.licenseType = licenseType;
    this.errorMessage = errorMessage;
    this.acknowledgeHeader = acknowledgeHeader;
    this.acknowledgeMessages = acknowledgeMessages;
}

/**
 * Returns true if the request that corresponds to this response acknowledged license changes that would occur as a result of starting
 * a trial license
 */
public boolean isAcknowledged() {
    return acknowledged;
}

/**
 * Returns true if a trial license was started as a result of the request corresponding to this response. Returns false if the cluster
 * did not start a trial, or a trial had already been started before the corresponding request was made
 */
public boolean isTrialWasStarted() {
    return trialWasStarted;
}

/**
 * If a trial license was started as a result of the request corresponding to this response (see { @link #isTrialWasStarted() }) then
 * returns the type of license that was started on the cluster. Returns null otherwise
 */
public String getLicenseType() {
    return licenseType;
}
/**
 * If a trial license was not started as a result of the request corresponding to this response (see @link
 * isTrialWasStarted() then
 * returns a brief message explaining why the trial could not be started. Returns false otherwise
 */
public String getErrorMessage() {
    return errorMessage;
}

/**
 * If the request corresponding to this response did not acknowledge licensing changes that would result from
 * starting a trial license
 * (see @link #isAcknowledged()), returns a message describing how the user must acknowledge licensing
 * changes as a result of
 * such a request. Returns null otherwise
 */
public String getAcknowledgeHeader() {
    return acknowledgeHeader;
}

/**
 * If the request corresponding to this response did not acknowledge licensing changes that would result from
 * starting a trial license
 * (see @link #isAcknowledged()), returns a map. The map's keys are names of commercial Elasticsearch
 * features, and their values are
 * messages about how those features will be affected by licensing changes as a result of starting a trial license
 */
public Map<String, String[]> getAcknowledgeMessages() {
    return acknowledgeMessages;
}

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*/
package org.elasticsearch.client.license;

/**
 * Status of an X-Pack license.
 */
public enum LicenseStatus {
    ACTIVE("active"),
    INVALID("invalid"),
    EXPIRED("expired");

    private final String label;
    LicenseStatus(String label) {
        this.label = label;
    }

    public String label() {
        return label;
    }

    public static LicenseStatus fromString(String value) {
        switch (value) {
        case "active":
            return ACTIVE;
        case "invalid":
            return INVALID;
        case "expired":
            return EXPIRED;
        default:
            throw new IllegalArgumentException("unknown license status [" + value + "]");
        }
    }
}

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package org.elasticsearch.client.license;

import org.elasticsearch.common.ParseField;
import org.elasticsearch.common.collect.Tuple;
import org.elasticsearch.common.xcontent.ConstructingObjectParser;
import org.elasticsearch.common.xcontent.XContentParseException;
import org.elasticsearch.common.xcontent.XContentParser;
import org.elasticsearch.rest.RestStatus;
import java.io.IOException;
import java.util.ArrayList;
import java.util.Collections;
import java.util.HashMap;
import java.util.List;
import java.util.Map;
import java.util.Objects;
import static org.elasticsearch.common.xcontent.ConstructingObjectParser.constructorArg;
import static org.elasticsearch.common.xcontent.ConstructingObjectParser.optionalConstructorArg;
import static org.elasticsearch.common.xcontent.XContentParserUtils.ensureExpectedToken;

public class StartBasicResponse {

    private static final ConstructingObjectParser<StartBasicResponse, Void> PARSER = new ConstructingObjectParser<StartBasicResponse, Void>("start_basic_response", true, (a, v) -> {
        boolean basicWasStarted = (Boolean) a[0];
        String errorMessage = (String) a[1];
        if (basicWasStarted) {
            return new StartBasicResponse(StartBasicResponse.Status.GENERATED_BASIC);
        }

        if (errorMessage != null) {
            throw new IllegalArgumentException(errorMessage);
        }

        throw new XContentParseException(RestStatus.BAD_REQUEST, "StartBasicResponse must be a boolean or a null string, not: ", XContentParserUtils.ensureExpectedToken((XContentParser) a[0], ParseField.VALUE, RestStatus.BAD_REQUEST));
    },
    constructorArg("basic_was_started", optionalConstructorArg("error_message", ParseField.VALUE)),
    optionalConstructorArg("status", ParseField.VALUE));

    public static void main(String[] args) {
        StartBasicResponse response = PARSER.parse((XContentParser) args[0]);
        System.out.println(response);
    }
}

import java.io.IOException;
import java.util.ArrayList;
import java.util.Collections;
import java.util.HashMap;
import java.util.List;
import java.util.Map;
import java.util.Objects;
import static org.elasticsearch.common.xcontent.ConstructingObjectParser.constructorArg;
import static org.elasticsearch.common.xcontent.ConstructingObjectParser.optionalConstructorArg;
import static org.elasticsearch.common.xcontent.XContentParserUtils.ensureExpectedToken;

public class StartBasicResponse {

    private static final ConstructingObjectParser<StartBasicResponse, Void> PARSER = new ConstructingObjectParser<StartBasicResponse, Void>("start_basic_response", true, (a, v) -> {
        boolean basicWasStarted = (Boolean) a[0];
        String errorMessage = (String) a[1];
        if (basicWasStarted) {
            return new StartBasicResponse(StartBasicResponse.Status.GENERATED_BASIC);
        }

        if (errorMessage != null) {
            throw new IllegalArgumentException(errorMessage);
        }

        throw new XContentParseException(RestStatus.BAD_REQUEST, "StartBasicResponse must be a boolean or a null string, not: ", XContentParserUtils.ensureExpectedToken((XContentParser) a[0], ParseField.VALUE, RestStatus.BAD_REQUEST));
    },
    constructorArg("basic_was_started", optionalConstructorArg("error_message", ParseField.VALUE)),
    optionalConstructorArg("status", ParseField.VALUE));

    public static void main(String[] args) {
        StartBasicResponse response = PARSER.parse((XContentParser) args[0]);
        System.out.println(response);
    }
}
StartBasicResponse.Status status = StartBasicResponse.Status.fromErrorMessage(errorMessage);
@SuppressWarnings("unchecked") Tuple<String, Map<String, String[]>> acknowledgements = (Tuple<String, Map<String, String[]>>) a[2];
return new StartBasicResponse(status, acknowledgements.v2(), acknowledgements.v1());
});

static {
   PARSER.declareBoolean(constructorArg(), new ParseField("basic_was_started"));
   PARSER.declareString(optionalConstructorArg(), new ParseField("error_message"));
   PARSER.declareObject(optionalConstructorArg(), (parser, v) -> {
      Map<String, String[]> acknowledgeMessages = new HashMap<>();
      String message = null;
      XContentParser.Token token;
      String currentFieldName = null;
      while ((token = parser.nextToken()) != XContentParser.Token.END_OBJECT) {
         if (token == XContentParser.Token.FIELD_NAME) {
            currentFieldName = parser.currentName();
         } else {
            if (currentFieldName == null) {
               throw new XContentParseException(parser.getTokenLocation(), "expected message header or acknowledgement");
            }
            if (new ParseField("message").getPreferredName().equals(currentFieldName)) {
               ensureExpectedToken(XContentParser.Token.VALUE_STRING, token, parser::getTokenLocation);
               message = parser.text();
            } else {
               if (token != XContentParser.Token.START_ARRAY) {
                  throw new XContentParseException(parser getTokenLocation(), "unexpected acknowledgement type");
               }
               List<String> acknowledgeMessagesList = new ArrayList<>();
               while (((token = parser.nextToken()) != XContentParser.Token.END_ARRAY) {
                  ensureExpectedToken(XContentParser.Token.VALUE_STRING, token, parser::getTokenLocation);
                  acknowledgeMessagesList.add(parser.text());
               }
               acknowledgeMessages.put(currentFieldName, acknowledgeMessagesList.toArray(new String[0]));
            }
         }
      }
      return new Tuple<>(message, acknowledgeMessages);
   });

private Map<String, String[]> acknowledgeMessages;
private String acknowledgeMessage;
enum Status {
    GENERATED_BASIC(true, null, RestStatus.OK),
    ALREADY_USING_BASIC(false, "Operation failed: Current license is basic.", RestStatus.FORBIDDEN),
    NEED_ACKNOWLEDGEMENT(false, "Operation failed: Needs acknowledgement.", RestStatus.OK);

    private final boolean isBasicStarted;
    private final String errorMessage;
    private final RestStatus restStatus;

    Status(boolean isBasicStarted, String errorMessage, RestStatus restStatus) {
        this.isBasicStarted = isBasicStarted;
        this.errorMessage = errorMessage;
        this.restStatus = restStatus;
    }

    String getErrorMessage() {
        return errorMessage;
    }

    boolean isBasicStarted() {
        return isBasicStarted;
    }

    static StartBasicResponse.Status fromErrorMessage(final String errorMessage) {
        final StartBasicResponse.Status[] values = StartBasicResponse.Status.values();
        for (StartBasicResponse.Status status : values) {
            if (Objects.equals(status.errorMessage, errorMessage)) {
                return status;
            }
        }
        throw new IllegalArgumentException("No status for error message ['" + errorMessage + "]");
    }

private StartBasicResponse.Status status;

public StartBasicResponse() {
}

StartBasicResponse(StartBasicResponse.Status status) {
    this(status, Collections.emptyMap(), null);
}

StartBasicResponse(StartBasicResponse.Status status,
        Map<String, String[]> acknowledgeMessages, String acknowledgeMessage) {
    this.status = status;
    this.acknowledgeMessages = acknowledgeMessages;
}
this.acknowledgeMessage = acknowledgeMessage;

public boolean isAcknowledged() {
    return status != StartBasicResponse.Status.NEED_ACKNOWLEDGEMENT;
}

public boolean isBasicStarted() {
    return status.isBasicStarted;
}

public String getErrorMessage() {
    return status.errorMessage;
}

public String getAcknowledgeMessage() {
    return acknowledgeMessage;
}

public Map<String, String[]> getAcknowledgeMessages() {
    return acknowledgeMessages;
}

public static StartBasicResponse fromXContent(XContentParser parser) throws IOException {
    return PARSER.parse(parser, null);
}


1.1151 bouncy-castle 1.59
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1.1154 libpcap 1.5.3-11.el7

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1.1155 fuse-overlayfs 0.7.2-6.el7_8

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The KStem stemmer in
   analysis/common/src/org/apache/lucene/analysis/en
was developed by Bob Krovetz and Sergio Guzman-Lara (CIIR-UMass Amherst) under the BSD-license.

The Arabic,Persian,Romanian,Bulgarian, Hindi and Bengali analyzers (common) come with a default stopword list that is BSD-licensed created by Jacques Savoy. These files reside in:
   analysis/common/src/resources/org/apache/lucene/analysis/ar/stopwords.txt,
   analysis/common/src/resources/org/apache/lucene/analysis/fa/stopwords.txt,
   analysis/common/src/resources/org/apache/lucene/analysis/bg/stopwords.txt,
   analysis/common/src/resources/org/apache/lucene/analysis/hi/stopwords.txt,
   analysis/common/src/resources/org/apache/lucene/analysis/bn/stopwords.txt

The German,Spanish,Finnish,French,Hungarian,Italian,Portuguese,Russian and Swedish light stemmers (common) are based on BSD-licensed reference implementations created by Jacques Savoy and Ljiljana Dolamic. These files reside in:
   analysis/common/src/java/org/apache/lucene/analysis/de/GermanLightStemmer.java
   analysis/common/src/java/org/apache/lucene/analysis/de/GermanMinimalStemmer.java
   analysis/common/src/java/org/apache/lucene/analysis/es/SpanishLightStemmer.java
The Stempel analyzer (stempel) includes BSD-licensed software developed by the Egothor project http://egothor.sf.net/, created by Leo Galambos, Martin Kvapil, and Edmond Nolan.

The Polish analyzer (stempel) comes with a default stopword list that is BSD-licensed created by the Carrot2 project. The file resides in stempel/src/resources/org/apache/lucene/analysis/pl/stopwords.txt. See http://project.carrot2.org/license.html.

The SmartChineseAnalyzer source code (smartcn) was provided by Xiaoping Gao and copyright 2009 by www.imdict.net.

WordBreakTestUnicode_*.java (under modules/analysis/common/src/test/) is derived from Unicode data such as the Unicode Character Database. See http://unicode.org/copyright.html for more details.

The Morfologik analyzer (morfologik) includes BSD-licensed software developed by Dawid Weiss and Marcin Mikowski (http://morfologik.blogspot.com/).

Morfologik uses data from Polish ispell/myspell dictionary (http://www.sjp.pl/slownik/en/) licenced on the terms of (inter alia) LGPL and Creative Commons ShareAlike.

Morfologic includes data from BSD-licensed dictionary of Polish (SGJP) (http://sgjp.pl/morfeusz/)

Servlet-api.jar and javax.servlet-*.jar are under the CDDL license, the original source code for this can be found at http://www.eclipse.org/jetty/downloads.php

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Kuromoji Japanese Morphological Analyzer - Apache Lucene Integration
===========================================================================

This software includes a binary and/or source version of data from

cocab-ipadic-2.7.0-20070801

which can be obtained from
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or

http://jaist.dl.sourceforge.net/project/mecab/mecab-ipadic/2.7.0-20070801/mecab-ipadic-2.7.0-20070801.tar.gz

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https://bitbucket.org/eunjeon/mecab-ko-dic/downloads/mecab-ko-dic-2.0.3-20170922.tar.gz

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* /opt/ws_local/PERMITS_SQL/1071976630_1594967823.41/0/spring-boot-actuator-2-0-1-release-sources-1-jar/org/springframework/boot/actuate/trace/http/Include.java
* /opt/ws_local/PERMITS_SQL/1071976630_1594967823.41/0/spring-boot-actuator-2-0-1-release-sources-1-jar/org/springframework/boot/actuate/jmx/EndpointObjectNameFactory.java
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* /opt/ws_local/PERMITS_SQL/1071976630_1594967823.41/0/spring-boot-actuator-2-0-1-release-sources-1-jar/org/springframework/boot/actuate/web/trace/reactive/TraceableServerHttpResponse.java
* /opt/ws_local/PERMITS_SQL/1071976630_1594967823.41/0/spring-boot-actuator-2-0-1-release-sources-1-jar/org/springframework/boot/actuate/web/mappings/reactive/RequestMappingConditionsDescription.java
* /opt/ws_local/PERMITS_SQL/1071976630_1594967823.41/0/spring-boot-actuator-2-0-1-release-sources-1.jar/org/springframework/boot/actuate/neo4j/Neo4jHealthIndicator.java
* /opt/ws_local/PERMITS_SQL/1071976630_1594967823.41/0/spring-boot-actuator-2-0-1-release-sources-1.jar/org/springframework/boot/actuate/endpoint/jmx/MBeanInfoFactory.java
* /opt/ws_local/PERMITS_SQL/1071976630_1594967823.41/0/spring-boot-actuator-2-0-1-release-sources-1.jar/org/springframework/boot/actuate/web/trace/servlet/HttpTraceFilter.java
* /opt/ws_local/PERMITS_SQL/1071976630_1594967823.41/0/spring-boot-actuator-2-0-1-release-sources-1.jar/org/springframework/boot/actuate/endpoint/jmx/EndpointMBean.java
* /opt/ws_local/PERMITS_SQL/1071976630_1594967823.41/0/spring-boot-actuator-2-0-1-release-sources-1.jar/org/springframework/boot/actuate/endpoint/web/annotation/RestControllerEndpoint.java
* /opt/ws_local/PERMITS_SQL/1071976630_1594967823.41/0/spring-boot-actuator-2-0-1-release-sources-1.jar/org/springframework/boot/actuate/web/reactive/WebFluxEndpointHandlerMapping.java

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* /opt/ws_local/PERMITS_SQL/1071976630_1594967823.41/0/spring-boot-actuator-2-0-1-release-sources-1-jar/org/springframework/boot/actuate/endpoint/web/annotation/ControllerEndpointsSupplier.java
* /opt/ws_local/PERMITS_SQL/1071976630_1594967823.41/0/spring-boot-actuator-2-0-1-release-sources-1-jar/org/springframework/boot/actuate/ldap/LdapHealthIndicator.java
* /opt/ws_local/PERMITS_SQL/1071976630_1594967823.41/0/spring-boot-actuator-2-0-1-release-sources-1-jar/org/springframework/boot/actuate/invoke/ParameterMappingException.java
* /opt/ws_local/PERMITS_SQL/1071976630_1594967823.41/0/spring-boot-actuator-2-0-1-release-sources-1-jar/org/springframework/boot/actuate/web/mappings/servlet/DispatcherServletsMappingDescriptionProvider.java
* /opt/ws_local/PERMITS_SQL/1071976630_1594967823.41/0/spring-boot-actuator-2-0-1-release-sources-1-jar/org/springframework/boot/actuate/elasticsearch/ElasticsearchJestHealthIndicator.java

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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.
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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.

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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.

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

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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.

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

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

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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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If any portion of this section is held invalid or unenforceable under any particular circumstance, the balance of the section is intended to apply, and the section as a whole is intended to apply in other circumstances.

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This section is intended to make thoroughly clear what is believed to be a consequence of the rest of this License.

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Preamble

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Package may be copied, such that the Copyright Holder maintains some semblance of artistic control over the development of the package, while giving the users of the package the right to use and distribute the Package in a more-or-less customary fashion, plus the right to make reasonable modifications.

Definitions:

"Package" refers to the collection of files distributed by the Copyright Holder, and derivatives of that collection of files created through textual modification.

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"Copyright Holder" is whoever is named in the copyright or copyrights for the package.

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"Reasonable copying fee" is whatever you can justify on the basis of media cost, duplication charges, time of people involved, and so on. (You will not be required to justify it to the Copyright Holder, but only to the computing community at large as a market that must bear the fee.)

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3. You may otherwise modify your copy of this Package in any way, provided that you insert a prominent notice in each changed file stating how and when you changed that file, and provided that you do at least ONE of the following:

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them Freely Available, such as by posting said modifications to Usenet or an equivalent medium, or placing the modifications on a major archive site such as uunet.uu.net, or by allowing the Copyright Holder to include your modifications in the Standard Version of the Package.

b) use the modified Package only within your corporation or organization.

c) rename any non-standard executables so the names do not conflict with standard executables, which must also be provided, and provide a separate manual page for each non-standard executable that clearly documents how it differs from the Standard Version.

d) make other distribution arrangements with the Copyright Holder.

4. You may distribute the programs of this Package in object code or executable form, provided that you do at least ONE of the following:

a) distribute a Standard Version of the executables and library files, together with instructions (in the manual page or equivalent) on where to get the Standard Version.

b) accompany the distribution with the machine-readable source of the Package with your modifications.

c) give non-standard executables non-standard names, and clearly document the differences in manual pages (or equivalent), together with instructions on where to get the Standard Version.

d) make other distribution arrangements with the Copyright Holder.

5. You may charge a reasonable copying fee for any distribution of this Package. You may charge any fee you choose for support of this Package. You may not charge a fee for this Package itself. However, you may distribute this Package in aggregate with other (possibly commercial) programs as part of a larger (possibly commercial) software distribution provided that you do not advertise this Package as a product of your own. You may embed this Package's interpreter within an executable of yours (by linking); this shall be construed as a mere form of aggregation, provided that the complete Standard Version of the interpreter is so embedded.

6. The scripts and library files supplied as input to or produced as output from the programs of this Package do not automatically fall under the copyright of this Package, but belong to whoever generated them, and may be sold commercially, and may be aggregated with this Package. If such scripts or library files are aggregated with this
Package via the so-called "undump" or "unexec" methods of producing a binary executable image, then distribution of such an image shall neither be construed as a distribution of this Package nor shall it fall under the restrictions of Paragraphs 3 and 4, provided that you do not represent such an executable image as a Standard Version of this Package.

7. C subroutines (or comparably compiled subroutines in other languages) supplied by you and linked into this Package in order to emulate subroutines and variables of the language defined by this Package shall not be considered part of this Package, but are the equivalent of input as in Paragraph 6, provided these subroutines do not change the language in any way that would cause it to fail the regression tests for the language.

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The End

1.1175 atk 2.28.1 2.el7
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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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To protect your rights, we need to make restrictions that forbid anyone to deny you these rights or to ask you to surrender the rights. These restrictions translate to certain responsibilities for you if you distribute copies of the library, or if you modify it.

For example, if you distribute copies of the library, whether gratis or for a fee, you must give the recipients all the rights that we gave you. You must make sure that they, too, receive or can get the source code. If you link a program with the library, you must provide complete object files to the recipients so that they can relink them with the library, after making changes to the library and recompiling it. And you must show them these terms so they know their rights.

Our method of protecting your rights has two steps: (1) copyright the library, and (2) offer you this license which gives you legal permission to copy, distribute and/or modify the library.

Also, for each distributor's protection, we want to make certain that everyone understands that there is no warranty for this free library. If the library is modified by someone else and passed on, we want its recipients to know that what they have is not the original version, so that any problems introduced by others will not reflect on the original authors' reputations.

Finally, any free program is threatened constantly by software patents. We wish to avoid the danger that companies distributing free software will individually obtain patent licenses, thus in effect transforming the program into proprietary software. To prevent this, we have made it clear that any patent must be licensed for everyone's free use or not licensed at all.
Most GNU software, including some libraries, is covered by the ordinary GNU General Public License, which was designed for utility programs. This license, the GNU Library General Public License, applies to certain designated libraries. This license is quite different from the ordinary one; be sure to read it in full, and don't assume that anything in it is the same as in the ordinary license.

The reason we have a separate public license for some libraries is that they blur the distinction we usually make between modifying or adding to a program and simply using it. Linking a program with a library, without changing the library, is in some sense simply using the library, and is analogous to running a utility program or application program. However, in a textual and legal sense, the linked executable is a combined work, a derivative of the original library, and the ordinary General Public License treats it as such.

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.

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, while the latter only works together with the library.

Note that it is possible for a library to be covered by the ordinary General Public License rather than by this special one.

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0. This License Agreement applies to any software library which contains a notice placed by the copyright holder or other authorized party saying it may be distributed under the terms of this Library 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 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
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7. You may place library facilities that are a work based on the
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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
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If any portion of this section is held invalid or unenforceable under any particular circumstance, the balance of the section is intended to apply, and the section as a whole is intended to apply in other circumstances.

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file_io/unix/mktemp.c, strings/apr_strings.c:

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From network_io/unix/inet_ntop.c, network_io/unix/inet_pton.c:

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From dso/aix/dso.c:

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From strings/apr_strnatcmp.c, include/apr_strings.h:

strnatcmp.c -- Perform 'natural order' comparisons of strings in C.
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From strings/apr_snprintf.c:

* cvt - IEEE floating point formatting routines.
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yassl  http://www.yassl.com/

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taxTLS  http://axtls.sourceforge.net/

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c-ares  http://daniel.haxx.se/projects/c-ares/license.html

(Used for asynchronous name resolves) Uses an MIT license that is very liberal and imposes no restrictions on any other library or part you may link with.

zlib  http://www.gzip.org/zlib/zlib_license.html

(Used for compressed Transfer-Encoding support) Uses an MIT-style license that shouldn't collide with any other library.

krb4

While nothing in particular says that a Kerberos4 library must use any particular license, the one I've tried and used successfully so far (kth-krb4) is partly Original BSD-licensed with the announcement clause. Some of the code in libcurl that is written to deal with Kerberos4 is Modified BSD-licensed.
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fbopenssl

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libidn http://josefsson.org/libidn/

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OpenLDAP http://www.openldap.org/software/release/license.html

(Used for LDAP support) Uses a Modified BSD-style license. Since libcurl uses OpenLDAP as a shared library only, I have not heard of anyone that ships OpenLDAP linked with libcurl in an app.

libssh2 http://www.libssh2.org/

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[2] = http://www.fsf.org/licenses/gpl-faq.html#GPLIncompatibleLibs details on how to write such an exception to the GPL
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* /opt/ws_local/PERMITS_SQL/1033784295_1592304521.28/0/stdlib-linux-gperftools-auto-th-gperftools-2-5-1-0-
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1.1194 texinfo 5.1 5.el7

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

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

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

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

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

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

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

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,
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will operate properly with a modified version of the library, if
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c) Accompany the work with a written offer, valid for at least
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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
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It may happen that this requirement contradicts the license
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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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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.

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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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b) Use a suitable shared library mechanism for linking with the
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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 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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7. Greg Brackley <greg.brackley@bigfoot.com> Major rework of WINNT port. Clean up recvbuf and iosignal code into separate modules.
8. Marc Brett <Marc.Brett@westgeo.com> Magnavox GPS clock driver
9. Pietro Brooks <Pietro.Brooks@cl.cam.ac.uk> MSF clock driver, Trimble PARSE support
10. Nelson B Bolyard <nelson@bolyard.me> update and complete broadcast and crypto features in sntp
11. Jean-Francois Boudreault <Jean-Francois.Boudreault@viagenie.qc.ca> IPv6 support
12. Reg Clemens <reg@dxf.com> Oncore driver (Current maintainer)
13. Steve Clift <clift@ml.csiro.au> OMEGA clock driver
14. Casey Crelin <casey@csc.co.za> vxWorks (Tornado) port and help with target configuration
15. Sven Dietrich <sven_dietrich@trimble.com> Palisade reference clock driver, NT adj. residuals, integrated Greg’s Winnt port.
16. John A. Dundas III <dundas@salt.jpl.nasa.gov> Apple A/UX port
17. Torsten Duwe <duwe@immd4.informatik.uni-erlangen.de> Linux port
18. Dennis Ferguson <dennis@mrbill.canet.ca> foundation code for NTP Version 2 as specified in RFC-1119
19. John Hay <jhay@icomtek.csir.co.za> IPv6 support and testing
20. Dave Hart <davehart@davehart.com> General maintenance, Windows port interpolation rewrite
21. Claas Hilbrecht <neoclock4x@linum.com> NeoClock4X clock driver
22. Glenn Hollinger <glenn@herald.usask.ca> GOES clock driver
23. Mike Iglesias <iglesias@uci.edu> DEC Alpha port
24. Jim Jagielski <jim@agogbox.gsf.nasa.gov> A/UX port
25. Jeff Johnson <sj@chatham.usdesign.com> massive prototyping overhaul
26. Hans Lambermont <Hans.Lambermont@nl.origin-it.com> or <H.Lambermont@chello.nl> ntpsweep
27. Poul-Henning Kamp <phk@FreeBSD.ORG> Oncore driver (Original author)
28. Frank Kardel [31]<kardel (at) ntp (dot) org> PARSE <GENERIC> (driver 14 reference clocks), STREAMS modules for PARSE, support scripts, syslog cleanup, dynamic interface handling
29. Johannes Maximilian Kuehn <kuehn@ntp.org> Rewrote snntp to comply with NTPv4 specification, ntpq saveconfig
30. William L. Jones <jones@hermes.chpc.utexas.edu> RS/6000 AIX modifications, HPUX modifications
31. Dave Katz <dkatz@cisco.com> RS/6000 AIX port
32. Craig Leres <leres@ee.lbl.gov> 4.4BSD port, ppsclock, Magnavox GPS clock driver
33. [36]George Lindholm <lindholm@ucs.ubc.ca> SunOS 5.1 port
34. [37]Louis A. Mamakos <louie@ni.umd.edu> MD5-based authentication
35. [38]Lars H. Mathiesen <thorinn@diku.dk> adaptation of foundation code for Version 3 as specified in RFC-1305
36. [39]Danny Mayer <mayer@ntp.org> Network I/O, Windows Port, Code Maintenance
37. [40]David L. Mills <mills@udel.edu> Version 4 foundation, precision kernel; clock drivers: 1, 3, 4, 6, 7, 11, 13, 18, 19, 22, 36
38. [41]Wolfgang Moeller <moeller@gwdg1.dnet.gwdg.de> VMS port
39. [42]Jeffrey Mogul <mogul@pa.dec.com> ntptrace utility
40. [43]Tom Moore <tmoore@fievel.daytonoh.ncr.com> i386 svr4 port
41. [44]Kamal A Mostafa <kamal@whence.com> SCO OpenServer port
42. [45]Derek Mulcahy <derek@toybox.demon.co.uk> and [46] Damon Hart-Davis <dj@hd.org> ARCRON MSF clock driver
43. [47]Rob Neal <neal@ntp.org> Bancomm refclock and config/parse code maintenance
44. [48]Rainer Pruy <Rainer.Pruy@informatik.uni-erlangen.de> monitoring/trap scripts, statistics file handling
45. [49]Dirce Richards <dirce@zk3.dec.com> Digital UNIX V4.0 port
46. [50]Wilfredo Sanchez <wsanchez@apple.com> added support for NetInfo
47. [51]Nick Sayer <msrapple@quack.kfu.com> SunOS streams modules
48. [52]Jack Sasportas <jack@innovativeinternet.com> Saved a Lot of space on the stuff in the html/pic/ subdirectory
49. [53]Ray Schnitzler <schnitz@unipress.com> Unixware1 port
50. [54]Michael Shields <shields@tembel.org> USNO clock driver
51. [55]Jeff Steinman <jss@pebbles.jpl.nasa.gov> Datum PTS clock driver
52. [56]Harlan Stenn <harlan@pfs.com> GNU automake/autoconfigure makeover, various other bits (see the ChangeLog)
53. [57]Kenneth Stone <ken@sdd.hp.com> HP-UX port
54. [58]Ajit Thyagarajan <ajit@ee.udel.edu> IP multicast/anycast support
55. [59]Tomohiro Tsuruoka <tsuruoka@nc.fukuoka-u.ac.jp> TRAK clock driver
56. [60]Brian Utterback <brian.utterback@oracle.com> General codebase, Solaris issues
57. [61]Loganaden Velvindron <loganaden@gmail.com> Sandboxing (libseccomp) support
58. [62]Paul A Vixie <vixie@vix.com> TrueTime GPS driver, generic TrueTime clock driver
59. [63]Ulrich Windl <Ulrich.Windl@rz.uni-regensburg.de> corrected and validated HTML documents according to the HTML DTD

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1. mailto:%20takao_abe@xurb.jp
2. mailto:%20mark_andrews@isc.org
3. mailto:%20altmeier@atsoft.de
4. mailto:%20vbais@mailman1.intel.co
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1.1219 netty-codec-socks 4.1.30.Final

1.1220 netty-codec-http 4.1.30.Final

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* /opt/ws_local/PERMITS_SQL/1071987818_1594967599.64/0/netty-codec-http-4-1-30-final-sources-3-jar/io/netty/handler/codec/http/websocketx/package-info.java
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* /opt/ws_local/PERMITS_SQL/1071987818_1594967599.64/0/netty-codec-http-4-1-30-final-sources-3-jar/io/netty/handler/codec/http/HttpRequestEncoder.java
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* /opt/ws_local/PERMITS_SQL/1071987818_1594967599.64/0/netty-codec-http-4-1-30-final-sources-3-jar/io/netty/handler/codec/http/QueryStringDecoder.java
* /opt/ws_local/PERMITS_SQL/1071987818_1594967599.64/0/netty-codec-http-4-1-30-final-sources-3-jar/io/netty/handler/codec/http/HttpObjectDecoder.java
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* /opt/ws_local/PERMITS_SQL/1071987818_1594967599.64/0/netty-codec-http-4-1-30-final-sources-3-
jar/io/netty/handler/codec/http/websocketx/WebSocketScheme.java
* /opt/ws_local/PERMITS_SQL/1071987818_1594967599.64/0/netty-codec-http-4-1-30-final-sources-3-
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* /opt/ws_local/PERMITS_SQL/1071987818_1594967599.64/0/netty-codec-http-4-1-30-final-sources-3-
  jar/io/netty/handler/codec/http/cookie/CookieHeaderNames.java
* /opt/ws_local/PERMITS_SQL/1071987818_1594967599.64/0/netty-codec-http-4-1-30-final-sources-3-
  jar/io/netty/handler/codec/http/cookie/ServerCookieEncoder.java
* /opt/ws_local/PERMITS_SQL/1071987818_1594967599.64/0/netty-codec-http-4-1-30-final-sources-3-
  jar/io/netty/handler/codec/http/CookieUtil.java
* /opt/ws_local/PERMITS_SQL/1071987818_1594967599.64/0/netty-codec-http-4-1-30-final-sources-3-
  jar/io/netty/handler/codec/http/cookie/CookieDecoder.java
* /opt/ws_local/PERMITS_SQL/1071987818_1594967599.64/0/netty-codec-http-4-1-30-final-sources-3-
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  jar/io/netty/handler/codec/http/HttpExpectationFailedEvent.java
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  jar/io/netty/handler/codec/http/HttpUtil.java
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* /opt/ws_local/PERMITS_SQL/1071987818_1594967599.64/0/netty-codec-http-4-1-30-final-sources-3-
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1.1232 cronie 1.4.11 23.el7

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1.1234 boost 1.60.0
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#include <boost/mpl/fold.hpp>
#include <boost/mpl/push_back.hpp>
#include <boost/mpl/quote.hpp>
#include <boost/mpl/vector.hpp>

template <typename State, typename X>
struct f { using type = X; };

struct state {};

template <int i>
struct t {};

using vector = <%= mpl_vector((1..input_size).to_a.map { |n| "t<#{n}>") })) %>; 

using result = boost::mpl::fold<vector, state, boost::mpl::quote2<f>>::type;
int main() { }

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Aleksey Gurtovoy (agurtovoy@meta-comm.com)
Andrei Alexandrescu (andrewalex - at - hotmail.com) (See Boost list message of August 12, 2004 11:06:58 AM EST)
Andrew Lumesdaine ()
Anthony Williams (anthony -at- justsoftwaresolutions.co.uk)
Beman Dawes (bdawes@acm.org)
Brad King (brad.king -at- kitware.com) (See Boost list message of Wed, 21 Jul 2004 11:15:46 -0400)
Brian Osman (osman -at- vvisions.com) (See CVS log)
Bruce Barr (schmoost -at- yahoo.com) (See Boost list of Mon, 16 Aug 2004 15:06:43 -0500)
Bruno da Silva de Oliveira (bruno - at - esss.com.br)
Christain Engstrom (christian.engstrom -at- gllindra.org) (See Boost list message of Mon, 30 Aug 2004 14:31:49 +0200)
Cromwell D Enage (sponage -at- yahoo.com) (See Boost list message of August 12, 2004 11:49:13 AM EST)
Dan Gohman (djg -at- cray.com) (See Boost list messsage of Sat, 21 Aug 2004 10:54:59 +0100)
Dan Nuffer (dan -at- nuffer.name)
Daniel Frey (d.frey -at- gmx.de, daniel.frey -at- aixigo.de)
Daniel Nuffer (dan -at- nuffer.name)
Darin Adler (darin -at- bentspoon.com) (Email to Andreas Huber, see change log)
Daryle Walker (darylew - at - hotmail.com)
Dave Abrahams (dave@boost-consulting.com)
Dave Moore (dmoore -at- viefinancial.com) (See Boost list message of 18 Dec 2003 15:35:50 -0500)
David Abrahams (dave@boost-consulting.com)
Dietmar Kuehl (dietmar_kuehl -at- yahoo.com) (Email to Andreas Huber, see change log)
Douglas Gregor (gregod -at- cs.rpi.edu, dgregor -at- cs.indiana.edu, doug.gregor -at- gmail.com)
Dr John Maddock (john - at - johnmaddock.co.uk)
Edward D. Brey (brey -at- ductape.net) (Email to Andreas Huber, see change log)
Eric Ford (un5ofn902 -at- sneakemail.com) (See Boost list message of Sun, 15 Aug 2004 10:29:13 +0100)
Eric Friedman (efb@users.sourceforge.net)
Eric Niebler (eric@boost-consulting.com)
Fernando Cacciola (fernando_cacciola@ciudad.com.ar)
Fernando Luis Cacciola Carballal (fernando_cacciola@ciudad.com.ar)
Francois Faure (Francois.Faure -at- imag.fr) (See CVS log)
Gary Powell (powellg - at - amazon.com) (See Boost list message of 10 Feb 2004 14:22:46 -0800)
Gennadiy Rozental (rogeeff -at- mail.com) (Email to Andreas Huber, see change log)
Gottfried Ganssauge (Gottfried.Ganssauge -at- HAUFE.DE) (See Boost List message of Mon, 16 Aug 2004 10:09:19 +0200)
Gottfried Ganauge (Gottfried.Ganssauge -at- HAUFE.DE) (Alternative spelling of Gottfried Ganssauge)
Greg Colvin (gregory.colvin -at- oracle.com) (See Boost list message of Sat, 14 Aug 2004 10:57:00 +0100)
Gregory Colvin (gregory.colvin -at- oracle.com) (See Boost list message of Sat, 14 Aug 2004 10:57:00 +0100)
Gunter Winkler (gunter.winkler -at- unibw-muenchen.de) (See Boost List message of Mon, 16 Aug 2004 10:24:17 +0200)
Hartmut Kaiser (hartmut.kaiser -at- gmai.com)
Herve Bronnimann (hbr -at- poly.edu)
Herv Brnnimann (hbr -at- poly.edu)
Housemarque Oy (Ilari Kuittinen ilari.kuittinen -at- housemarque.fi)
Howard Hinnant (hinnant -at- twcny.rr.com) (See Boost list message of July 25, 2004 3:44:49 PM EST)
Hubert Holin (hubert_holin -at- users.sourceforge.net)
Indiana University ()
Itay Maman (imaman -at- users.sourceforge.net)
Jaakko Jrv (jajarvi -at- osl.iu.edu)
Jaap Suter (j.suter -at- student.utwente.nl) (See Boost list message of Thu, 16 Sep 2004 09:32:43 -0700)
Jeff Garland (jeff -at- crystalclearsoftware.com) (see Boost list post of July 25, 2004 19:31:09 -0700)
Jens Maurer (Jens.Maurer@gmx.net)
Jeremy G Siek (jsiek@osl.iu.edu)
Jeremy Siek (jsiek@osl.iu.edu)
Joel de Guzman (joel -at- boost-consulting.com) (See Boost list message of July 25, 2004 8:32:00 PM EST)
John Bandela (jbandela-at-ufl.edu)
John Maddock (john -at- johnmaddock.co.uk)
John R Bandela (jbandela-at-ufl.edu)
Jonathan Turkanis (turkanis -at- corderage dot com)
Kevlin Henney (kevlin -at- curbralan.com) (See Boost list message of Wed, 15 Sep 2004 18:15:17 +0200)
Kresimir Fresl (fresl -at- master.grad.hr) (See Boost List message of August 16, 2004 8:23:35 AM EST)
Lars Gullik Bjnes (larsbj -at- lyx.org) (See Boost list message of Tue, 17 Aug 2004 15:49:02 +0100)
Lie-Quan Lee (liequan -at- slac.stanford.edu, llee -at- cs.indiana.edu)
Maarten Keijzer (mkeijzer -at- cs.vu.nl) (See Boost list message of Wed, 18 Aug 2004 21:43:18 +0100)
Mac Murrett (mmurrett -at- mac.com)
Marc Wintermantel (wintermantel -at- imes.mavt.ethz.ch, wintermantel -at- even-ag.ch) (See CVS log)
Michael Glassford (glassfordm -at- hotmail.com)
Michael Stevens (Michael.Stevens -at- epost.de)
Multi Media Ltd. (pdimov@mmltd.net)
Nicolai M Josuttis (solutions -at- josuttis.com) (See Boost list message of Mon, 30 Aug 2004 10:52:00 +0100)
Nikolay Mladenov (nickm -at- sitius.com) (See Boost list message of Tue, 17 Aug 2004 15:45:33 +0100)
Paul Mensonides (pmenos57 -at- comcast.net) (See Boost list message of July 21, 2004 1:12:21 AM EST)
Pavol Droba (droba -at- topmail.sk)
Peter Dimov (pdimov@mmltd.net)
R W Grosse-Kunstleve (RWGrosse-Kunstleve@lbl.gov)
Ralf W. Grosse-Kunstleve (RWGrosse-Kunstleve@lbl.gov)
Rational Discovery LLC (Greg Landrum Landrum -at- RationalDiscovery.com) (See Boost list post of Tue, 17 Aug 2004 10:35:36 +0100)
Rene Rivera (grafik/redshift-software.com, rrivera/acm.org)
Robert Ramey (ramey@www.rrsd.com)
Roland Richter (roland -at- filll.jku.at) (See Boost list post of Mon, 16 Aug 2004 22:16:55 +0200)
Roland Schwarz (roland.schwarz -at- chello.at)
Ronald Garcia (garcia -at- cs.indiana.edu) (Email to Andreas Huber, see change log)
Samuel Krempf (krempf -at- crans.ens-cachan.fr) (See Boost list message of Mon, 27 Sep 2004 13:18:36 +0200)
Stefan Seefeld (seefeld -at- sympatico.ca)
Stephen Cleary (sacleary -at- jerviswebb.com) (See Boost list message of Tue, 28 Sep 2004 13:11:46 +0100)
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All the value based traits in this library conform to MPL’s requirements for an Integral Constant type.

Please note that these types no longer inherit from `mpl::true_` or `mpl::false_` etc, and the library will no longer implicitly include any MPL header. However there is an implicit conversion from `mpl::integral_constant` to the corresponding MPL types, therefore tag-dispatching that uses MPL types in function overloads will still work as before.
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//////////////////////////////////////////////////////////////////////////////

#if !defined(BOOST_INTERPROCESS_DETAIL_MPL_HPP)
#define BOOST_INTERPROCESS_DETAIL_MPL_HPP

#if defined(BOOST_CONFIG_HPP)
#  include <boost/config.hpp>
#endif

#if defined(BOOST_HAS_PRAGMA_ONCE)
#  pragma once
#endif

#include <cstddef>

namespace boost {
    namespace interprocess {
        namespace ipcdetail {

            template <class T, T val>
            struct integral_constant
            {
                static const T value = val;
                typedef integral_constant<T,val> type;
            };

            template< bool C_ >
            struct bool_ : integral_constant<bool, C_>
            {
                static const bool value = C_;
            };

            typedef bool_<true>        true_;
            typedef bool_<false>       false_;

            typedef true_  true_type;
            typedef false_ false_type;

            typedef char yes_type;
            struct no_type
            {

                #ifndef BOOST_INTERPROCESS_DETAIL_MPL_HPP
                #define BOOST_INTERPROCESS_DETAIL_MPL_HPP
                #endif
                #endif
            
            
            
            #include <cstdint>

            namespace boost {
                namespace interprocess {
                    namespace ipcdetail {

                        template <class T, T val>
                        struct integral_constant
                        {
                            static const T value = val;
                            typedef integral_constant<T,val> type;
                        };

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                #endif
                #endif
            
            
            
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                    namespace ipcdetail {

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                #ifndef BOOST_INTERPROCESS_DETAIL_MPL_HPP
                #define BOOST_INTERPROCESS_DETAIL_MPL_HPP
                #endif
                #endif
            
            
            
            #include <cstdint>

            namespace boost {
                namespace interprocess {
                    namespace ipcdetail {

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                        struct integral_constant
                        {
                            static const T value = val;
                            typedef integral_constant<T,val> type;
                        };

                        template< bool C_ >
                        struct bool_ : integral_constant<bool, C_>
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                #define BOOST_INTERPROCESS_DETAIL_MPL_HPP
                #endif
                #endif
            
            
            
            #include <cstdint>

            namespace boost {
                namespace interprocess {
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                        template <class T, T val>
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                        typedef false_ false_type;

                        typedef char yes_type;
                        struct no_type
                        {

                #ifndef BOOST_INTERPROCESS_DETAIL_MPL_HPP
                #define BOOST_INTERPROCESS_DETAIL_MPL_HPP
                #endif
                #endif
            
            
            
            #include <cstdint>

            namespace boost {
                namespace interprocess {
                    namespace ipcdetail {

                        template <class T, T val>
                        struct integral_constant
                        {
                            static const T value = val;
                            typedef integral_constant<T,val> type;
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                        typedef char yes_type;
                        struct no_type
                        {

                #ifndef BOOST_INTERPROCESS_DETAIL_MPL_HPP
                #define BOOST_INTERPROCESS_DETAIL_MPL_HPP
                #endif
                #endif
            
            
            
            #include <cstdint>

            namespace boost {
                namespace interprocess {
                    namespace ipcdetail {

                        template <class T, T val>
                        struct integral_constant
                        {
                            static const T value = val;
                            typedef integral_constant<T,val> type;
                        };

                        template< bool C_ >
                        struct bool_ : integral_constant<bool, C_>
                        {
                            static const bool value = C_;
                        };

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                        typedef true_  true_type;
                        typedef false_ false_type;

                        typedef char yes_type;
                        struct no_type
                        {

                #ifndef BOOST_INTERPROCESS_DETAIL_MPL_HPP
                #define BOOST_INTERPROCESS_DETAIL_MPL_HPP
                #endif
                #endif
            
            
            
            #include <cstdint>

            namespace boost {
                namespace interprocess {
                    namespace ipcdetail {

                        template <class T, T val>
                        struct integral_constant
                        {
                            static const T value = val;
                            typedef integral_constant<T,val> type;
                        };

                        template< bool C_ >
                        struct bool_ : integral_constant<bool, C_>
                        {
                            static const bool value = C_;
                        };

                        typedef bool_<true>        true_;
                        typedef bool_<false>       false_;
char padding[8];

template <bool B, class T = void>
struct enable_if_c {
    typedef T type;
};

template <class T>
struct enable_if_c<false, T> {}

template <class Cond, class T = void>
struct enable_if : public enable_if_c<Cond::value, T> {}

template <class Cond, class T = void>
struct disable_if : public enable_if_c<!Cond::value, T> {};

template<
    bool C
    , typename T1
    , typename T2
>
struct if_<c
{   
typedef T1 type;
};

template<
    typename T1
    , typename T2
>
struct if_<c<false,T1,T2>
{   
typedef T2 type;
};

template<
    typename T1
    , typename T2
    , typename T3
>
struct if_<
{   
typedef typename if_<c<0 != T1::value, T2, T3>::type type;
};

template<std::size_t S>
struct ls_zeros
{
    static const std::size_t value = (S & std::size_t(1)) ? 0 : (1u + ls_zeros<(S >> 1u)>::value);
};

template<>
struct ls_zeros<0>
{
    static const std::size_t value = 0;
};

template<>
struct ls_zeros<1>
{
    static const std::size_t value = 0;
};

}  //namespace ipcdetail {
}  //namespace interprocess {
}  //namespace boost {

#elif defined BOOST_INTERPROCESS_DETAIL_MPL_HPP
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 */

#include "licence_info.hpp"
#include "bcp_imp.hpp"
#include "fileview.hpp"
#include <fstream>
#include <iomanip>
#include <cstring>
#include <stdexcept>
#include <boost/lexical_cast.hpp>
#include <boost/filesystem/operations.hpp>
#include <boost/throw_exception.hpp>

// split_path is a small helper for outputting a path name,
// complete with a link to that path:
//
struct split_path
{
const fs::path& root;
const fs::path& file;
split_path(const fs::path& r, const fs::path& f)
    : root(r), file(f) {}
private:
split_path& operator=(const split_path&);
};

std::ostream& operator << (std::ostream& os, const split_path& p)
{
os << "<a href=" << (p.root / p.file).string() << ">
" << p.file.string() << "</a>";
    return os;
}

std::string make_link_target(const std::string& s)
{
    // convert an arbitrary string into something suitable
    // for an <a> name:
    std::string result;
    for(unsigned i = 0; i < s.size(); ++i)
    {
        result.append(1, static_cast<std::string::value_type>(
            std::isalnum(s[i]) ? s[i] : '_'));
    }
    return result;
}

void bcp_implementation::output_license_info()
{
    std::pair<const license_info*, int> licenses = get_licenses();
    std::map<int, license_data>::const_iterator i, j;
i = m_license_data.begin();
j = m_license_data.end();

    std::ofstream os(m_dest_path.string().c_str());
    if(!os)
    {
        std::string msg("Error opening ");
        msg += m_dest_path.string();
        msg += " for output. ";
        std::runtime_error e(msg);
        boost::throw_exception(e);
    }
os <<
        "<!DOCTYPE HTML PUBLIC "^-//W3C//DTD HTML 4.0 Transitional//EN"">\n" "<html>
        "<head>

"<title>Boost Licence Dependency Information";
if(m_module_list.size() == 1)
{
    os << " for " << *(m_module_list.begin());
}

os << "</title>\n" "</head>\n" "<body>\n"

"<H1>Boost Licence Dependency Information";
if(m_module_list.size() == 1)
{
    os << " for " << *(m_module_list.begin());
}

os << "</H1>\n" "<H2>Contents</h2>\n" "<pre><a href="#input">Input Information</a>
if(!m_bsl_summary_mode)
o s << "<a href="#summary">Licence Summary</a>\n" os << "<a href="#details">Licence Details</a>\n";

while(i != j)
{
    // title:
o s << "<A href="#" << make_link_target(licenses.first[i->first].license_name) << ">" licenses.first[i->first].license_name << "</a>\n";
    ++i;
}

os << "<a href="#files">Files with no recognised license</a>\n" "<a href="#authors">Files with no recognised copyright holder</a>\n" if(!m_bsl_summary_mode)
{
o s << "Moving to the Boost Software License...\n" " <a href="/bsl-converted">Files that can be automatically converted to the Boost Software License</a>\n" " <a href="/to-bsl">Files that can be manually converted to the Boost Software License</a>\n" " <a href="/not-to-bsl">Files that can NOT be moved to the Boost Software License</a>\n" " <a href="/need-bsl-authors">Authors we need to move to the Boost Software License</a>\n" "<a href="#copyright">Copyright Holder Information</a>\n";
}

os << "<a href="#depend">File Dependency Information</a>\n" "</pre>";

//
// input Information:
//
os << "<a name="input"></a><h2>Input Information</h2>
;if(m_scan_mode)
os << "<P>The following files were scanned for boost dependencies:<BR>
;else
os << "<P>The following Boost modules were checked:<BR>
;
std::list<std::string>::const_iterator si = m_module_list.begin();
std::list<std::string>::const_iterator sj = m_module_list.end();
while(si != sj)
{
os << *si << "<BR>
;++si;
}
os << "</p><p>The Boost path was: <code>" << m_boost_path.string() << "</code></P>"
;//
// extract the boost version number from the boost directory tree,
// not from this app (which may have been built from a previous
// version):
//
// fileview version_file(m_boost_path / "boost/version.hpp");
static const boost::regex version_regex("^[[:blank:]]*\#define[[:blank:]]+BOOST_VERSION[[:blank:]]+(\d+)$");
boost::cmatch what;
if(boost::regex_search(version_file.begin(), version_file.end(), what, version_regex))
{
    int version = boost::lexical_cast<int>(what.str(1));
os << "<p>The Boost version is: " << version / 100000 << "." << version / 100 % 1000 << "." << version % 100 << "</P>\n";
}

//
// output each license:
//
i = m_license_data.begin();
j = m_license_data.end();
if(!m_bsl_summary_mode)
{
    //
    // start with the summary:
    //
os << "<a name="summary"></a><h2>Licence Summary</h2>
;
while(i != j)
{
    // title:
os << "<H3>" << licenses.first[i->first].license_name << "</H3>\n";
    // license text:
os << "<BLOCKQUOTE>"
<< licenses.first[i->first].license_text << "</BLOCKQUOTE>";

// Copyright holders:

os << "<P>This license is used by "
<< i->second.authors.size() << " authors and " << i->second.files.size() << " files <a href="#	" << make_link_target(licenses.first[i->first].license_name) << ">(see details)</a>";

os << "</P></BLOCKQUOTE>
;  
++i;  
}
}

// and now the details:

i = m_license_data.begin();

j = m_license_data.end();

int license_index = 0;

os << "<a name="details"></a><h2>Licence Details</h2>
;

while(i != j)
{

// title:

os << "<H3><A name="" << make_link_target(licenses.first[i->first].license_name) << ""></a>" << licenses.first[i->first].license_name << "</H3>";

// license text:

os << "<BLOCKQUOTE>" << licenses.first[i->first].license_text << "</BLOCKQUOTE>";

if(!m_bsl_summary_mode || (license_index >= 3))
{

// Copyright holders:

os << "<P>This license is used by the following " << i->second.authors.size() << " copyright holders:";

std::set<std::string>::const_iterator x, y;

x = i->second.authors.begin();

y = i->second.authors.end();

while(x != y)
{

os << *x << "<BR>";

++x;
}

os << "</P></BLOCKQUOTE>";

// Files using this license:

os << "<P>This license applies to the following " << i->second.files.size() << " files:";

std::set<fs::path, path_less>::const_iterator m, n;

m = i->second.files.begin();

n = i->second.files.end();

while(m != n)
{

os << split_path(m_boost_path, *m) << "<br>";

++m;

}
os << "\n"
;
else
{
  os << "<P>This license is used by " << i->second.authors.size() << " authors (list omitted for brevity).</P>\n"
;
  os << "<P>This license applies to " << i->second.files.size() << " files (list omitted for brevity).</P>\n"
;
}
++license_index;
++i;
}

// Output list of files not found to be under license control:
//
os << "<h2><a name="files"></a>Files With No Recognisable Licence</h2>\n"
  "\n"<P>The following " << m_unknown_licenses.size() << " files had no recognisable license information:</P>\n"
;
std::set<fs::path, path_less>::const_iterator i2, j2;
i2 = m_unknown_licenses.begin();
j2 = m_unknown_licenses.end();
while(i2 != j2)
{
  os << split_path(m_boost_path, *i2) << "<br>\n"
    ++i2;
}
os << "</p></BLOCKQUOTE>";
//
// Output list of files with no found copyright holder:
//
os << "<h2><a name="authors"></a>Files With No Recognisable Copyright Holder</h2>\n"
  "\n"<P>The following " << m_unknown_authors.size() << " files had no recognisable copyright holder:</P>\n"
;
i2 = m_unknown_authors.begin();
j2 = m_unknown_authors.end();
while(i2 != j2)
{
  os << split_path(m_boost_path, *i2) << "<br>\n"
    ++i2;
}
os << "</p></BLOCKQUOTE>";
if(!m_bsl_summary_mode)
{
  //
  // Output list of files that have been moved over to the Boost Software License, along with enough information for human verification.
  //
  os << "<h2><a name="bsl-converted"></a>Files that can be automatically converted to the Boost Software License</h2>\n"
  "\n"<P>This license is used by " << i->second.authors.size() << " authors (list omitted for brevity).</P>\n"
;
  os << "<P>This license applies to " << i->second.files.size() << " files (list omitted for brevity).</P>\n"
;
License</h2>

The following "m_converted_to_bsl.size()" files can be automatically converted to the Boost Software License, but require manual verification before they can be committed to CVS:

```cpp
if (!m_converted_to_bsl.empty())
{
    typedef std::map<fs::path, std::pair<std::string, std::string>, path_less>
::const_iterator conv_iterator;
    conv_iterator i = m_converted_to_bsl.begin(),
    ie = m_converted_to_bsl.end();
    int file_num = 1;
    while (i != ie)
    {
        os << "<P>[
        " << file_num << "] File: <tt>" split_path(m_boost_path, i->first)
        "<tt><br><tt>" table border="1"">n
        </tt><tt>" i->second.first << "</pre></tt><tt>"</tt>
        "i->second.second << "</pre></tt><tt>
        "i"</tt><tt>"table">
        "n";
        ++i;
        ++file_num;
    }
}
```

// Output list of files that could be moved over to the Boost Software License
```
// os << "<h2><a name="to-bsl">Files that could be converted to the Boost Software License</a></h2>
"<P>The following "m_can_migrate_to_bsl.size()" files could be manually converted to the Boost Software License, but have not yet been:
```
```
// Output list of authors that we need permission for to move to the BSL
//
// Permission of the following authors is needed before we can convert to the Boost Software License. The
// list of authors that have given their permission is contained in <code>more/blanket-permission.txt</code>:
//
// Output a table of copyright information:
//
// Copyright Holder Information:
//
// output file dependency information:
//
// File Dependency Information:
//
// // if in summary mode, just figure out the "bad" files and print those only:
// anomalous files: 
//
bad_paths.insert(m_unknown_authors.begin(), m_unknown_authors.end());
bad_paths.insert(m_can_migrate_to_bsl.begin(), m_can_migrate_to_bsl.end());
bad_paths.insert(m_cannot_migrate_to_bsl.begin(), m_cannot_migrate_to_bsl.end());
typedef std::map<fs::path, std::pair<std::string, std::string>, path_less>::const_iterator conv_iterator;
conv_iterator i = m_converted_to_bsl.begin(),
ie = m_converted_to_bsl.end();
while(i != ie)
{
    bad_paths.insert(i->first);
    ++i;
}
fi = bad_paths.begin();
efi = bad_paths.end();
os << "<P>For brevity, only files not under the BSL are shown</P>\n";
}
while(fi != efi)
{
    os << split_path(m_boost_path, *fi);
    dep = m_dependencies.find(*fi);
    last_dep = m_dependencies.end();
    std::set<fs::path, path_less> seen_deps;
    if (dep != last_dep)
        while(true)
        {
            os << " -> ";
            if(fs::exists(m_boost_path / dep->second))
                os << split_path(m_boost_path, dep->second);
            else if(fs::exists(dep->second))
                os << split_path(fs::path(), dep->second);
            else
                os << dep->second.string();
            if(seen_deps.find(dep->second) != seen_deps.end())
                { // circular dependency!!!
                    os << " <I>(Circular dependency!)</I>";
                    break;
                }
            seen_deps.insert(dep->second);
            last_dep = dep;
            dep = m_dependencies.find(dep->second);
            if((dep == m_dependencies.end()) || (0 == compare_paths(dep->second, last_dep->second)))
                break;
        }
    os << "\n";
    ++fi;
}
os << "</pre></BLOCKQUOTE>\n";
os << "</body></html>";

if(!os)
{
    std::string msg("Error writing to ");
    msg += m_dest_path.string();
    msg += ":";
    std::runtime_error e(msg);
    boost::throw_exception(e);
}

[article Copyright Test
[quickbook 1.5]
[copyright 1977,1985 Someone else]
]
[/
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http://www.boost.org/LICENSE_1_0.txt).
]
<?xml version="1.0" encoding="utf-8"?>

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<section id="date_time.license">
<title>Boost Date-Time Library License</title>
<bridgehead renderas="sect2">Boost Date-Time Library License</bridgehead>
<!--
<ulink url="../../../../index.htm">
<imagedata align="left"
    format="GIF"
    fileref="../../../../boost.png"
    alt="C++ Boost"/>
</ulink>--->

<para>
The following is the overall license for the boost date_time
library. This notice is found in all source files related to the
library.
</para>

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Jeff Garland

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All the value based traits in this library conform to MPL's requirements for an Integral Constant type.

Please note that these types no longer inherit from `mpl::true_` or `mpl::false_` etc, and the library will no longer implicitly include any MPL header. However there is an implicit conversion from `integral_constant` to the corresponding MPL types, therefore tag-dispatching that uses MPL types in function overloads will still work as before.

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Adapters for Boost.MPL containers.

- `struct boost::mpl::integral_c<T, v>`: Adapter for IntegralConstants from Boost.MPL. [More...](structboost_1_1mpl_1_1integral__c.html#details)
- `struct boost::mpl::list<T>`: Adapter for Boost.MPL lists. [More...](structboost_1_1mpl_1_1list.html#details)
- `struct boost::mpl::vector<T>`: Adapter for Boost.MPL vectors. [More...](structboost_1_1mpl_1_1vector.html#details)
def authors(filename):
    log = run(['git', 'log', '--follow',
               '--date=short', '--format=%aN%x09%ad', filename],
               universal_newlines=True)
    for line in log.splitlines():
        author, date = line.split('	')
        if author != 'fix-copyright.py':
            yield author, datetime.strptime(date, '%Y-%m-%d')

def new_copyright(filename, previous):
    def f():
        au = list(authors(filename))
        alldates = map(itemgetter(1), au)
        aup = sorted(au + map(lambda a: (a, None), previous), key=itemgetter(0))
        for author, records in groupby(aup, itemgetter(0)):
            dates = filter(None, map(itemgetter(1), records))
            if not dates: dates = alldates
            start = min(dates)
            end = max(dates)
            fmt = '{0}' if start.year == end.year else '{0}-{1}'
            line = 'Copyright ' + fmt.format(start.year, end.year) + ' ' + author
            key = (start, author)
            yield key, line
        return map(itemgetter(1), sorted(f()))

    def fix_copyright(filename):
        # Find copyright block in original file

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prefix = set()
names = []
lines = []
with open(filename, 'r') as f:
    content = list(f)
for i, line in enumerate(content[15:]):
    m = re.match(r'^(?P<prefix>\W*)\(c\)*\s*\(c\)*\s+\d{4}(\s*-\s+\d{4})?\s+\(\(P<name>\.+\)?\s*\$', line, re.IGNORECASE)
    if m:
        d = m.groupdict()
        prefix.add(d['prefix'])
        lines.append(i)
        names.append(d['name'].strip())
if len(prefix) != 1:
    print 'Not found:', filename
    return
prefix = list(prefix)[0]
print filename
new = iter(new_copyright(filename, names))
with open(filename, 'w') as f:
    for i, line in enumerate(content):
        if i in lines:
            for repl in new:
                print >>f, prefix + repl
        else:
            print >>f, line,
pass

def all_files():
    ls = run(['git', 'ls-files'], universal_newlines=True)
    for filename in ls.splitlines():
        if magic.from_file(filename, mime=True).split('/')[0] == 'text':
            yield filename

for f in all_files():
    fix_copyright(f)

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//
//
 ///////////////////////////////////////////////////////////////////////////
#ifndef BOOST_CONTAINER_CONTAINER_DETAIL_MPL_HPP
#define BOOST_CONTAINER_CONTAINER_DETAIL_MPL_HPP

#ifndef BOOST_CONFIG_HPP
#  include <boost/config.hpp>
#endif

#if defined(BOOST_HAS_PRAGMA_ONCE)
#  pragma once
#endif

#include <boost/container/detail/config_begin.hpp>
#include <boost/container/detail/workaround.hpp>
#include <boost/move/detail/mpl.hpp>
#include <cstddef>
namespace boost {
namespace container {
namespace dtl {

using boost::move_detail::integral_constant;
using boost::move_detail::true_type;
using boost::move_detail::false_type;
using boost::move_detail::enable_if_c;
using boost::move_detail::enable_if;
using boost::move_detail::enable_if_convertible;
using boost::move_detail::disable_if_c;
using boost::move_detail::disable_if;
using boost::move_detail::disable_if_convertible;
using boost::move_detail::is_convertible;
using boost::move_detail::if_c;
using boost::move_detail::if_; 
using boost::move_detail::identity;
using boost::move_detail::bool_;
using boost::move_detail::true_;
using boost::move_detail::false_;
using boost::move_detail::yes_type;
using boost::move_detail::no_type;
using boost::move_detail::bool_;
using boost::move_detail::true_;
using boost::move_detail::false_;
using boost::move_detail::unvoid_ref;
using boost::move_detail::and_; 
using boost::move_detail::or_; 
using boost::move_detail::not_;
using boost::move_detail::enable_if_and;
using boost::move_detail::disable_if_and;
using boost::move_detail::enable_if_or;
using boost::move_detail::disable_if_or;

template <class FirstType>
struct select1st
{
    typedef FirstType type;

    template<class T>
    const type& operator()(const T& x) const
    {  return x.first;   }

    template<class T>
    type& operator()(T& x)
    {  return const_cast<type&>(x.first);   }
};

template <class T, class=void>
struct is_transparent
{
    static const bool value = false;
};

template <class T>
struct is_transparent<T, typename T::is_transparent>
{
    static const bool value = true;
};

template <typename C, typename K, typename R>
struct enable_if_transparent
    : boost::move_detail::enable_if_c<dtl::is_transparent<C>::value, R>
{};

}  //namespace dtl {
}  //namespace container {
}  //namespace boost {
#include <boost/container/detail/config_end.hpp>
#endif   //#ifndef BOOST_CONTAINER_CONTAINER_DETAIL_MPL_HPP

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//
//
/////////////////////////////////////////////////////////////////////////////

#ifndef BOOST_INTRUSIVE_DETAIL_MPL_HPP
#define BOOST_INTRUSIVE_DETAIL_MPL_HPP

ifndef BOOST_CONFIG_HPP
#define BOOST_INTRUSIVE_DETAIL_MPL_HPP

ifndef BOOST_CONFIG_HPP
# include <boost/config.hpp>
#endif

if defined(BOOST_HAS_PRAGMA_ONCE)
# pragma once
#endif

#include <boost/intrusive/detail/config_begin.hpp>
#include <boost/move/detail/type_traits.hpp>
#include <cstddef>

namespace boost {
 namespace intrusive {
 namespace detail {
using boost::move_detail::is_same;
using boost::move_detail::add_const;
using boost::move_detail::remove_const;
using boost::move_detail::remove_cv;
using boost::move_detail::remove_reference;
using boost::move_detail::add_reference;
using boost::move_detail::remove_pointer;
using boost::move_detail::add_pointer;
using boost::move_detail::true_type;
using boost::move_detail::false_type;
using boost::move_detail::enable_if_c;
using boost::move_detail::enable_if;
using boost::move_detail::disable_if_c;
using boost::move_detail::disable_if;
using boost::move_detail::is_convertible;
using boost::move_detail::if_c;
using boost::move_detail::if_;  
using boost::move_detail::is_const;
using boost::move_detail::identity;
using boost::move_detail::alignment_of;
using boost::move_detail::is_empty;
using boost::move_detail::offsetof;
using boost::move_detail::integral_constant;
using boost::move_detail::enable_if_convertible;
using boost::move_detail::disable_if_convertible;
using boost::move_detail::bool_;  
using boost::move_detail::true_;  
using boost::move_detail::false_;  
using boost::move_detail::yes_type;
using boost::move_detail::no_type;
using boost::move_detail::apply;
using boost::move_detail::eval_if_c;
using boost::move_detail::eval_if;
using boost::move_detail::unvoid_ref;
using boost::move_detail::add_const_if_c;

template<
std::size_t S>
struct ls_zeros
{
    static const std::size_t value = (S & std::size_t(1)) ? 0 : (1 + ls_zeros<(S>>1u)>::value);
};

template<>  
struct ls_zeros<0>
{
    static const std::size_t value = 0;
};


```

template<>
struct is_zeros<1>
{
    static const std::size_t value = 0;
};

// Infrastructure for providing a default type for T::TNAME if absent.
#define BOOST_INTRUSIVE_INSTANTIATE_DEFAULT_TYPE_TMPLT(TNAME)    \\
    template <typename T>                                          \\
    struct boost_intrusive_has_type_ ## TNAME                    \\
    {                                                            \\
        template <typename X>                                       \\
        static char test(int, typename X::TNAME*);                  \\
        \\
        template <typename X>                                       \\
        static int test(...);                                       \\
        \\
        static const bool value = (1 == sizeof(test<T>(0, 0))));  \\
    };
    \\
    template <typename T, typename DefaultType>                    \\
    struct boost_intrusive_default_type_ ## TNAME                  \\
    {                                                              \\
        struct DefaultWrap { typedef DefaultType TNAME; };          \\
        \\
        typedef typename                                            \\
        ::boost::intrusive::detail::if_c                         \\
        < boost_intrusive_has_type_ ## TNAME<T>::value        \\
        , T, DefaultWrap>::type::TNAME type;                  \\
    };
    \\
    #define BOOST_INTRUSIVE_OBTAIN_TYPE_WITH_DEFAULT(INSTANTIATION_NS_PREFIX, T, TNAME, TIMPL)   \\
    typename INSTANTIATION_NS_PREFIX                                                       \\
    boost_intrusive_default_type_ ## TNAME< T, TIMPL >::type                            \\
    \\
    #define BOOST_INTRUSIVE_HAS_TYPE(INSTANTIATION_NS_PREFIX, T, TNAME)  \\
    INSTANTIATION_NS_PREFIX                                        \\
    boost_intrusive_has_type_ ## TNAME< T >::value              \\
    \\
    #define BOOST_INTRUSIVE_INSTANTIATE_EVAL_DEFAULT_TYPE_TMPLT(TNAME) \\
    template <typename T, typename DefaultType>                    \\
    struct boost_intrusive_eval_default_type_ ## TNAME             \\
    {                                                              \\
        template <typename X>                                       \\
```
static char test(int, typename X::TNAME*);

template <typename X>
static int test(...);

struct DefaultWrap
{
    typedef typename DefaultType::type TNAME;
};

static const bool value = (1 == sizeof(test<T>(0, 0)));

typedef typename
::boost::intrusive::detail::eval_if_c
< value
, ::boost::intrusive::detail::identity<T>
, ::boost::intrusive::detail::identity<DefaultWrap>
>::type::TNAME type;

#define BOOST_INTRUSIVE_OBTAIN_TYPE_WITH_EVAL_DEFAULT(INSTANTIATION_NS_PREFIX, T, TNAME, TIMPL) 
    typename INSTANTIATION_NS_PREFIX
    boost_intrusive_eval_default_type_##TNAME< T, TIMPL >::type

#define BOOST_INTRUSIVE_INTERNAL_STATIC_BOOL_IS_TRUE(TRAITS_PREFIX, TYPEDEF_TO_FIND) 
    template <class T>
    struct TRAITS_PREFIX##_bool
    {
        template<bool Add>
        struct two_or_three {yes_type _[2 + Add];};
        template <class U> static yes_type test(...);
        template <class U> static two_or_three<U::TYPEDEF_TO_FIND> test (int);
        static const std::size_t value = sizeof(test<T>(0));
    };

    template <class T>
    struct TRAITS_PREFIX##_bool_is_true
    {
        static const bool value = TRAITS_PREFIX##_bool<T>::value > sizeof(yes_type)*2;
    };

#define BOOST_INTRUSIVE_HAS_STATIC_MEMBER_FUNC_SIGNATURE(TRAITS_NAME, FUNC_NAME) 
    template <typename U, typename Signature> 
    class TRAITS_NAME 

```cpp
private:
  template<Signature> struct helper;
  template<typename T> static ::boost::intrusive::detail::yes_type test(helper<&T::FUNC_NAME>*);
  template<typename T> static ::boost::intrusive::detail::no_type test(...);
public:
  static const bool value = sizeof(test<U>(0)) == sizeof(::boost::intrusive::detail::yes_type);
};

#define BOOST_INTRUSIVE_HAS_MEMBER_FUNC_CALLED(TRAITS_NAME, FUNC_NAME) 
  template <typename Type> 
  struct TRAITS_NAME 
  { 
    struct BaseMixin 
    { 
      void FUNC_NAME(); 
    };
    struct Base : public Type, public BaseMixin { Base(); };
  };
  template <typename U> static ::boost::intrusive::detail::no_type  test(U*, Helper<void (BaseMixin::*)(), &U::FUNC_NAME>* = 0); 
  static ::boost::intrusive::detail::yes_type test(...);
  static const bool value = sizeof(::boost::intrusive::detail::yes_type) == sizeof(test((Base*)(0))); 
}

#define BOOST_INTRUSIVE_HAS_MEMBER_FUNC_CALLED_IGNORE_SIGNATURE(TRAITS_NAME, FUNC_NAME) 
  BOOST_INTRUSIVE_HAS_MEMBER_FUNC_CALLED(TRAITS_NAME##_ignore_signature, FUNC_NAME)

  template <typename Type, class> 
  struct TRAITS_NAME : public TRAITS_NAME##_ignore_signature<Type> 
  { };

namespace detail 
namespace intrusive 
namespace boost

#include <boost/intrusive/detail/config_end.hpp>
#endif //BOOST_INTRUSIVE_DETAIL_MPL_HPP
```
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This is an attempt to acknowledge early contributions to the garbage collector. Later contributions should instead be mentioned in README.changes.

HISTORY -

Early versions of this collector were developed as a part of research projects supported in part by the National Science Foundation and the Defense Advance Research Projects Agency.
The garbage collector originated as part of the run-time system for the Russell programming language implementation. The first version of the garbage collector was written primarily by Al Demers. It was then refined and mostly rewritten, primarily by Hans-J. Boehm, at Cornell U., the University of Washington, Rice University (where it was first used for C and assembly code), Xerox PARC, SGI, and HP Labs. However, significant contributions have also been made by many others.

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

The SPARC specific code was originally contributed by Mark Weiser. The Encore Multimax modifications were supplied by Kevin Kenny (kenny@m.cs.uiuc.edu). The adaptation to the IBM PC/RT is largely due to Vernon Lee, on machines made available to Rice by IBM. Much of the HP specific code and a number of good suggestions for improving the generic code are due to Walter Underwood. Robert Brazile (brazil@diamond.bbn.com) originally supplied the ULTRIX code. Al Dosser (dossier@src.dec.com) and Regis Cridlig (Regis.Cridlig@cl.cam.ac.uk) subsequently provided updates and information on variation between ULTRIX systems. Parag Patel (parag@netcom.com) supplied the A/UX code. Jesper Peterson (jep@mtiame.mtia.oz.au), Michel Schinz, and Martin Tauchmann (martintauchmann@bigfoot.com) supplied the Amiga port. Thomas Funke (thf@zelator.in-berlin.de(?)) and Brian D. Carlstrom (bdc@clark.lcs.mit.edu) supplied the NeXT ports. Douglas Steel (doug@wg.icl.co.uk) provided ICL DRS6000 code. Bill Janssen (janssen@parc.xerox.com) supplied the SunOS dynamic loader specific code. Manuel Serrano (serrano@cornas.inria.fr) supplied linux and Sony News specific code. Al Dosser provided Alpha/OSF/1 code. He and Dave Detlefs (detlefs@src.dec.com) also provided several generic bug fixes. Alistair G. Crooks (agc@uts.amdahl.com) supplied the NetBSD and 386BSD ports. Jeffrey Hsu (hsu@soda.berkeley.edu) provided the FreeBSD port. Brent Benson (brent@jade.ssd.csd.harris.com) ported the collector to a Motorola 88K processor running CX/UX (Harris NightHawk). Ari Huttunen (Ari.Huttunen@hut.fi) generalized the OS/2 port to nonIBM development environments (a nontrivial task). Patrick Beard (beard@cs.ucdavis.edu) provided the initial MacOS port. David Chase, then at Olivetti Research, suggested several improvements. Scott Schwartz (schwartz@groucho.cse.psu.edu) supplied some of the code to save and print call stacks for leak detection on a SPARC. Jesse Hull and John Ellis supplied the C++ interface code. Zhong Shao performed much of the experimentation that led to the current typed allocation facility. (His dynamic type inference code hasn’t made it into the released version of the collector, yet.)
Maybe this should pass?
This package was debianized by Vladimir Prus <ghost@cs.msu.su> on Wed, 17 July 2002, 19:27:00 +0400.

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#include <boost/mpl/push_back.hpp>
#include <boost/mpl/vector.hpp>

template <int i>
struct t { };

using vector = <mpl_vector((1..input_size).to_a.map { [n] "t<#{n}>" }) %>; 

int main() { }
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#include <boost/mpl/push_back.hpp>
#include <boost/mpl/quote.hpp>
#include <boost/mpl/transform.hpp>
#include <boost/mpl/vector.hpp>

template <typename X>
struct f { using type = X; };

template <int i>
struct t {};

using vector = <%= mpl_vector((1..input_size).to_a.map { |n| "t<#{n}>" }) %>;  

using result = boost::mpl::transform<vector, boost::mpl::quote1<f>>::type;

int main() {}  

var group__group_ext_mpl =  
  [  
    [ "integral_c", "structboost_1_1mpl_1_1integral__c.html", null ],  
    [ "list", "structboost_1_1mpl_1_1list.html", null ],  
    [ "vector", "structboost_1_1mpl_1_1vector.html", null ]  
  ];  

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The header `<boost/mp11/mpl.hpp>`, when included, defines the necessary support infrastructure for `mp_list` and `std::tuple` to be valid link:../../../../libs/mpl[MPL] sequences.

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1.1235 xstream 1.4.10

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1.1236 go-patricia 2.3.0+incompatible

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1.1237 log4j-api 2.11.1

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table, the facility still operates, and performs whatever part of
its purpose remains meaningful.

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

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

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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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1.1245 netty-codec 4.1.23.Final

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 */
/**
 * A decoder that splits the received [link ByteBuf]s dynamically by the
 * value of the length field in the message. It is particularly useful when you
 * decode a binary message which has an integer header field that represents the
 * length of the message body or the whole message.
 * <p>
 * [@link LengthFieldBasedFrameDecoder] has many configuration parameters so
 * that it can decode any message with a length field, which is often seen in
 * proprietary client-server protocols. Here are some example that will give
 * you the basic idea on which option does what.
 *
 * <h3>2 bytes length field at offset 0, do not strip header</h3>
 *<p>
 * The value of the length field in this example is <tt>12 (0x0C)</tt> which
 * represents the length of "HELLO, WORLD". By default, the decoder assumes
 * that the length field represents the number of the bytes that follows the
 * length field. Therefore, it can be decoded with the simplistic parameter
 * combination.
 *<pre>
* lengthFieldOffset   = 0
* lengthFieldLength   = 2
* lengthAdjustment    = 0
* initialBytesToStrip = 0 (= do not strip header)
*
* BEFORE DECODE (14 bytes)   AFTER DECODE (14 bytes)
* +--------+----------------+      +--------+----------------+
* | Length | Actual Content |----->| Length | Actual Content |
* | 0x000C | "HELLO, WORLD" |      | 0x000C | "HELLO, WORLD" |
* +--------+----------------+      +--------+----------------+
* </pre>
*<p>
 * <h3>2 bytes length field at offset 0, strip header</h3>
 * Because we can get the length of the content by calling
 * [@link ByteBuf#readableBytes()], you might want to strip the length
 * field by specifying <tt>initialBytesToStrip</tt>. In this example, we
 * specified <tt>2</tt>, that is same with the length of the length field, to
 * strip the first two bytes.
 *<pre>
* lengthFieldOffset   = 0
* lengthFieldLength   = 2
* lengthAdjustment    = 0
* initialBytesToStrip = 2 (= the length of the Length field)
*<p>
* BEFORE DECODE (14 bytes)   AFTER DECODE (12 bytes)
* +--------+----------------+      +----------------+
* | Length | Actual Content |----->| Actual Content |
* | 0x000C | "HELLO, WORLD" |      | "HELLO, WORLD" |
In most cases, the length field represents the length of the message body only, as shown in the previous examples. However, in some protocols, the length field represents the length of the whole message, including the message header. In such a case, we specify a non-zero lengthAdjustment. Because the length value in this example message is always greater than the body length by 2, we specify -2 for compensation.

```
lengthFieldOffset   =  0
lengthFieldLength   =  2
lengthAdjustment    =  -2  (= the length of the Length field)
initialBytesToStrip =  0

BEFORE DECODE (14 bytes)          AFTER DECODE (14 bytes)
+--------+----------------+      +--------+----------------+
| Length | Actual Content |----->| Length | Actual Content |
| 0x000E | "HELLO, WORLD" |      | 0x000E | "HELLO, WORLD" |
+--------+----------------+      +--------+----------------+
```

The following message is a simple variation of the first example. An extra header value is prepended to the message. lengthAdjustment is zero again because the decoder always takes the length of the prepended data into account during frame length calculation.

```
lengthFieldOffset   =  2  (= the length of Header 1)
lengthFieldLength   =  3
lengthAdjustment    =  0
initialBytesToStrip =  0

BEFORE DECODE (17 bytes)          AFTER DECODE (17 bytes)
+----------+----------+----------------+      +----------+----------+----------------+
| Header 1 |  Length  | Actual Content |----->| Header 1 |  Length  | Actual Content |
| 0xCAFE   | 0x00000C | "HELLO, WORLD" |      | 0xCAFE   | 0x00000C | "HELLO, WORLD" |
+----------+----------+----------------+      +----------+----------+----------------+
```
* header between the length field and the message body. You have to specify a
* positive <tt>lengthAdjustment</tt> so that the decoder counts the extra
* header into the frame length calculation.
* <pre>
* lengthFieldOffset   = 0
* lengthFieldLength   = 3
* <b>lengthAdjustment</b>    = <b>2</b> (= the length of Header 1)
* initialBytesToStrip = 0
* </pre>
* 
* BEFORE DECODE (17 bytes)                      AFTER DECODE (17 bytes)
* +----------+----------+----------------+      +----------+----------+----------------+
* |  Length  | Header 1 | Actual Content |----->|  Length  | Header 1 | Actual Content |
* | 0x00000C | 0xCAFE  | "HELLO, WORLD" |      | 0x00000C | 0xCAFE  | "HELLO, WORLD" |
* +----------+----------+----------------+      +----------+----------+----------------+
* </pre>
* 
* <h3>2 bytes length field at offset 1 in the middle of 4 bytes header,
* strip the first header field and the length field</h3>
* 
* This is a combination of all the examples above. There are the prepended
* header before the length field and the extra header after the length field.
* The prepended header affects the <tt>lengthFieldOffset</tt> and the extra
* header affects the <tt>lengthAdjustment</tt>. We also specified a non-zero
* <tt>initialBytesToStrip</tt> to strip the length field and the prepended
* header from the frame. If you don't want to strip the prepended header, you
* could specify <tt>0</tt> for <tt>initialBytesToSkip</tt>.
* <pre>
* lengthFieldOffset   = 1 (= the length of HDR1)
* lengthFieldLength   = 2
* <b>lengthAdjustment</b>    = <b>1</b> (= the length of HDR2)
* <b>initialBytesToStrip</b> = <b>3</b> (= the length of HDR1 + LEN)
* 
* BEFORE DECODE (16 bytes)                       AFTER DECODE (13 bytes)
* +--------+--------+----------------+      +--------+----------------+
* | HDR1 | Length | HDR2 | Actual Content |----->| HDR2 | Actual Content |
* | 0xCA | 0x000C | 0xFE | "HELLO, WORLD" |      | 0xFE | "HELLO, WORLD" |
* +--------+--------+----------------+      +--------+----------------+
* </pre>
* 
* <h3>2 bytes length field at offset 1 in the middle of 4 bytes header,
* strip the first header field and the length field, the length field
* represents the length of the whole message</h3>
* 
* Let's give another twist to the previous example. The only difference from
* the previous example is that the length field represents the length of the
* whole message instead of the message body, just like the third example.
* We have to count the length of HDR1 and Length into <tt>lengthAdjustment</tt>.
* Please note that we don't need to take the length of HDR2 into account
because the length field already includes the whole header length.
* <pre>
* lengthFieldOffset = 1
* lengthFieldLength = 2
* <b>lengthAdjustment</b> = <b>-3</b> (= the length of HDR1 + LEN, negative)
* <b>initialBytesToStrip</b> = <b>3</b>
*
* BEFORE DECODE (16 bytes)                        AFTER DECODE (13 bytes)
* +-----------------+-----------------+      +-----------------+-----------------+
* | HDR1 | Length | HDR2 | Actual Content |----->| HDR2 | Actual Content |
* | 0xCA | 0x0010 | 0xFE | "HELLO, WORLD" |      | 0xFE | "HELLO, WORLD" |
* +-----------------+-----------------+      +-----------------+-----------------+
* </pre>

@see LengthFieldPrepender
*/

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  jar/io/netty/handler/codec/LengthFieldBasedFrameDecoder.java

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  jar/io/netty/handler/codec/DecoderResultProvider.java
* /opt/ws_local/PERMITS_SQL/1071961376_1594967727.74/0/netty-codec-4-1-23-final-sources-1-
  jar/io/netty/handler/codec/compression/Crc32.java
* /opt/ws_local/PERMITS_SQL/1071961376_1594967727.74/0/netty-codec-4-1-23-final-sources-1-
  jar/io/netty/handler/codec/compression/Bzip2HuffmanStageEncoder.java
* /opt/ws_local/PERMITS_SQL/1071961376_1594967727.74/0/netty-codec-4-1-23-final-sources-1-
  jar/io/netty/handler/codec/json/JsonObjectDecoder.java
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jar/io/netty/handler/codec/ProtocolDetectionState.java
/* /opt/ws_local/PERMITS_SQL/1071961376_1594967727.74/0/netty-codec-4-1-23-final-sources-1-
jar/io/netty/handler/codec/protobuf/ProtobufVarint32FrameDecoder.java
/* /opt/ws_local/PERMITS_SQL/1071961376_1594967727.74/0/netty-codec-4-1-23-final-sources-1-
jar/io/netty/handler/codec/protobuf/ProtobufDecoder.java
/* /opt/ws_local/PERMITS_SQL/1071961376_1594967727.74/0/netty-codec-4-1-23-final-sources-1-
jar/io/netty/handler/codec/protobuf/ProtobufEncoder.java
/* /opt/ws_local/PERMITS_SQL/1071961376_1594967727.74/0/netty-codec-4-1-23-final-sources-1-
jar/io/netty/handler/codec/protobuf/ProtobufVarint32LengthFieldPrepender.java
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* Utility class for [ByteBuf] that encodes and decodes to and from
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* Base64 Encoder/Decoder.
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* /opt/ws_local/PERMITS_SQL/1071961376_1594967727.74/0/netty-codec-4-1-23-final-sources-1-jar/io/netty/handler/codec/compression/Crc32c.java
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* /opt/ws_local/PERMITS_SQL/1071961376_1594967727.74/0/netty-codec-4-1-23-final-sources-1-jar/io/netty/handler/codec/compression/ByteBufChecksum.java
* /opt/ws_local/PERMITS_SQL/1071961376_1594967727.74/0/netty-codec-4-1-23-final-sources-1-jar/io/netty/handler/codec/DatagramPacketDecoder.java
* /opt/ws_local/PERMITS_SQL/1071961376_1594967727.74/0/netty-codec-4-1-23-final-sources-1-jar/io/netty/handler/codec/string/LineSeparator.java
* /opt/ws_local/PERMITS_SQL/1071961376_1594967727.74/0/netty-codec-4-1-23-final-sources-1-jar/io/netty/handler/codec/DatagramPacketEncoder.java
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* /opt/ws_local/PERMITS_SQL/1071961376_1594967727.74/0/netty-codec-4-1-23-final-sources-1-jar/io/netty/handler/codec/CodecOutputList.java
* /opt/ws_local/PERMITS_SQL/1071961376_1594967727.74/0/netty-codec-4-1-23-final-sources-1-jar/io/netty/handler/codec/compression/CompressionUtil.java
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jar/io/netty/handler/codec/ValueConverter.java
* /opt/ws_local/PERMITS_SQL/1071961376_1594967727.74/0/netty-codec-4-1-23-final-sources-1-
jar/io/netty/handler/codec/DefaultHeadersImpl.java
* /opt/ws_local/PERMITS_SQL/1071961376_1594967727.74/0/netty-codec-4-1-23-final-sources-1-
jar/io/netty/handler/codec/CharSequenceValueConverter.java

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/**

* Enumeration of supported Base64 dialects.
* <p>
* The internal lookup tables in this class has been derived from
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* /opt/ws_local/PERMITS_SQL/1071961376_1594967727.74/0/netty-codec-4-1-23-final-sources-1-
  jar/io/netty/handler/codec/headers/Headers.java
No license file was found, but licenses were detected in source scan.
jar/io/netty/handler/codec/ReplayingDecoder.java
* /opt/ws_local/PERMITS_SQL/1071961376_1594967727.74/0/netty-codec-4-1-23-final-sources-1-
jar/io/netty/handler/codec/serialization/ObjectDecoder.java
* /opt/ws_local/PERMITS_SQL/1071961376_1594967727.74/0/netty-codec-4-1-23-final-sources-1-
jar/io/netty/handler/codec/LineBasedFrameDecoder.java
* /opt/ws_local/PERMITS_SQL/1071961376_1594967727.74/0/netty-codec-4-1-23-final-sources-1-
jar/io/netty/handler/codec/compression/JZlibDecoder.java
* /opt/ws_local/PERMITS_SQL/1071961376_1594967727.74/0/netty-codec-4-1-23-final-sources-1-
jar/io/netty/handler/codec/DelimiterBasedFrameDecoder.java
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* /opt/ws_local/PERMITS_SQL/1071961376_1594967727.74/0/netty-codec-4-1-23-final-sources-1-jar/META-
INF/maven/io.netty/netty-codec/pom.xml

1.1246 perl-exporter 5.68 3.el7
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The End

1.1247 x-crypto 1.5.2 0.7.git269f928.el7

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diff --git a/yum/update_md.py b/yum/update_md.py
--- a/yum/update_md.py2015-01-19 07:44:35.567107008 -0500
@@ -398,6 +399,9 @@ class UpdateMetadata(object):
         self.arch_storage = ArchStorage()
         self.archlist = self.arch_storage.archlist
+
        def get_notices(self, name=None):
        """ Return all notices. """
           if name is None:
@@ -434,16 +438,29 @@ class UpdateMetadata(object):
                         notice not in notices and pkg['name'] == name and pkg['arch'] in self.archlist):
                         other_arch = True
                         else:
@@ -398,6 +399,9 @@ class UpdateMetadata(object):
         self.arch_storage = ArchStorage()
         self.archlist = self.arch_storage.archlist
+
        def get_notices(self, name=None):
        """ Return all notices. """
           if name is None:
@@ -434,16 +438,29 @@ class UpdateMetadata(object):
                         notice not in notices and pkg['name'] == name and pkg['arch'] in self.archlist):
                         other_arch = True
                         else:
+                        other_arch = False
+                        if pkg['name'] != name or pkg['arch'] != arch:
+                            continue
+                        if (notice not in notices and pkg['name'] == name and pkg['arch'] in self.archlist):
+                            other_arch = True
+                        else:
+                            continue
+                        pkgtuple = (pkg['name'], pkg['arch'], pkg['epoch'] or '0',

---

Open Source Used In NAE (5.1) Glacier Ridge (version 5.1) 5.1.0.6031 12725
pkg['version'], pkg['release'])
if _rpm_tup_vercmp(pkgtup, oldpkgtup) <= 0:
    continue
-    ret.append((pkgtup, notice))
+    if other_arch:
        other_arch_list.append((pkgtup, notice))
+    else:
+        ret.append((pkgtup, notice))
        notices.add(notice)
+    for pkgtup, notice in other_arch_list:
+        if notice not in notices:
+            ret.append((pkgtup, notice))
ret.sort(cmp=_rpm_tup_vercmp, key=lambda x: x[0], reverse=True)
return ret
diff -up yum-3.4.3/yum/update_md.py.old yum-3.4.3/yum/update_md.py
+++ yum-3.4.3/yum/update_md.py2015-05-28 19:24:05.971806965 +0200
@@ -33,6 +33,7 @@ import Errors
import logginglevels
import rpmUtils.miscutils
+from rpmUtils.arch import ArchStorage
def safe_iterparse(filename, logger=None):
diff -up yum-3.4.3/yum/update_md.py.org yum-3.4.3/yum/update_md.py
--- yum-3.4.3/yum/update_md.py.org2017-01-24 18:55:03.529842775 +0100
@@ -58,7 +58,7 @@ class UpdateNotice(object):
    A single update notice (for instance, a security fix).
    
-    def __init__(self, elem=None):
+    def __init__(self, elem=None, repoid=None, vlogger=None):
        self._md = {
            'from' : ",
            'type' : "
@@ -83,6 +83,9 @@ class UpdateNotice(object):
            if elem:
                self._parse(elem)
+        self._repoid = repoid
+        self._vlogger = vlogger
+    
def __getitem__(self, item):
        """ Allows scriptable metadata access (ie: un['update_id']). """
        if type(item) is int:
+ class UpdateNotice(object):
+     def _rid(un):
+         if hasattr(un, '_repoid') and un._repoid is not None:
+             return un._repoid
+         else:
+             return '<unknown>'
+
+         def _log_failure(data):
+             """Log the mismatched data similarly to conflict markers in git."""
+             if self._vlogger is None:
+                 return
+             msg = _('Duplicate of %s differs in some fields:
')
+             msg %= other._md['update_id']
+             msg += '<<<<<<< %s:%s
' % (_rid(other), data)
+             msg += '%r
=======
%r
' % (other._md[data], self._md[data])
+             msg += '>>>>>>> %s:%s' % (_rid(self), data)
+             # --verbose mode enables this
+             self._vlogger.log(logging.DEBUG_3, msg)
+     
+     if not other or not hasattr(other, '_md'):
+         return False

@@ -103,6 +106,24 @@ class UpdateNotice(object):
+     if data == 'status': # FIXME: See below...
+         continue
+         if self._md[data] != other._md[data]:
+             _log_failure(data)
+             return False
+         if self._md[data] not in ('stable', 'testing'):
+             _log_failure(data)
+             return False
+
+     data = 'status'
+     if self._md[data] != other._md[data]:
+         if self._md[data] not in ('stable', 'testing'):
+             _log_failure(data)
+             return False
+         if other._md[data] not in ('stable', 'testing'):
+             _log_failure(data)
+             return False
+         # They are both really "stable"
+         self._md[data] = 'stable'

@@ -574,7 +598,7 @@ class UpdateMetadata(object):
+     for event, elem in safe_iterparse(infile, logger=self._logger):
+         if elem.tag == 'update':
+             try:
-                un = UpdateNotice(elem)
+                un = UpdateNotice(elem, repoid, self._vlogger)
except UpdateNoticeException, e:
    msg = _("An update notice%s is broken, skipping.") % _rid(repoid)
    if self._vlogger:
        @@ -587,6 +611,8 @@
            msg = _("Update notice %s%s is broken, or a bad duplicate, skipping.") % (un['update_id'],
                _rid(repoid))
        if not have_dup:
            msg += _("You should report this problem to the owner of the %srepository."") % _rid(repoid, "%s ")
+            msg += _("If you are the owner, consider re-running the same command with --verbose to see the '
+            'exact data that caused the conflict."")
    have_dup = True
    if self._vlogger:
        self._vlogger.warn("%s", msg)

1.1258 threetenbp 1.4.0
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1.1259 x-sys 1.1.8

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1.1260 kafka-clients 1.0.1

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<!-- Generate ISC copyright comments from Docbook copyright metadata. -->

<xsl:stylesheet xmlns:xsl="http://www.w3.org/1999/XSL/Transform" version="1.0">

<xsl:template name="isc.copyright.format">
  <xsl:param name="text"/>
  <xsl:value-of select="normalize-space(substring-before($text, '&#10;'))"/>
  <xsl:text>&#10;</xsl:text>
  <xsl:variable name="rest" select="substring-after($text, '&#10;')"/>
  <xsl:if test="translate($rest, '&#9;&#32;', '')">
    <xsl:call-template name="isc.copyright.format">
      <xsl:with-param name="text" select="$rest"/>
    </xsl:call-template>
  </xsl:if>
</xsl:template>

<xsl:variable name="isc.copyright.text">
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* configure.ac, Makefile.am: The original versions were derived from the ones in the XML Catalog Manager project, version 2.2.

Author: Julio Merino <jmmv@users.sourceforge.net>

* atf-c/ui.c: The format_paragraph and format_text functions were derived from the ones in the Monotone project, revision 3a0982da308228d796df35f98d787c5cff2bb5b6.

Author: Julio Merino <jmmv@NetBSD.org>

* atf-c++/detail/io.hpp, atf-c++/detail/io.cpp, atf-c++/detail/io_test.cpp: These files were derived from the file_handle, systembuf, pipe and piostream classes and tests found in the Boost.Process library.
* admin/check-style.sh, admin/check-style-common.awk, admin/check-style-cpp.awk, admin/check-style-shell.awk: These files, except the first one, were first implemented in the Buildtool project. They were later adapted to be part of Boost.Process and, during that process, the shell script was created.

Author: Julio Merino <jmmv84@gmail.com>

vim: filetype=text:textwidth=75:expandtab:shiftwidth=2:softtabstop=2

1.1262 gettext 0.19.8.1 2.el7

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1.1270 visitorj-runtime 0.1.0

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1.1271 spring-expression 5.0.5.RELEASE

1.1272 cairo 1.15.12 4.el7

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Version 1.1

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Found in path(s):
* /opt/ws_local/PERMITS_SQL/1071985548_1594967672.79/0/spring-boot-loader-2-0-1-release-sources-1-jar/org/springframework/boot/loader/Launcher.java
* /opt/ws_local/PERMITS_SQL/1071985548_1594967672.79/0/spring-boot-loader-2-0-1-release-sources-1-jar/org/springframework/boot/loader/jar/JarEntry.java
* /opt/ws_local/PERMITS_SQL/1071985548_1594967672.79/0/spring-boot-loader-2-0-1-release-sources-1-jar/org/springframework/boot/loader/jar/AsciiBytes.java
* /opt/ws_local/PERMITS_SQL/1071985548_1594967672.79/0/spring-boot-loader-2-0-1-release-sources-1-jar/org/springframework/boot/loader/jar/JarFile.java
* /opt/ws_local/PERMITS_SQL/1071985548_1594967672.79/0/spring-boot-loader-2-0-1-release-sources-1-jar/org/springframework/boot/loader/jar/PropertiesLauncher.java
* /opt/ws_local/PERMITS_SQL/1071985548_1594967672.79/0/spring-boot-loader-2-0-1-release-sources-1-jar/org/springframework/boot/loader/util/SystemPropertyUtils.java
* /opt/ws_local/PERMITS_SQL/1071985548_1594967672.79/0/spring-boot-loader-2-0-1-release-sources-1-jar/org/springframework/boot/loader/jar/CentralDirectoryEndRecord.java
* /opt/ws_local/PERMITS_SQL/1071985548_1594967672.79/0/spring-boot-loader-2-0-1-release-sources-1-jar/org/springframework/boot/loader/jar/Bytes.java
* /opt/ws_local/PERMITS_SQL/1071985548_1594967672.79/0/spring-boot-loader-2-0-1-release-sources-1-jar/org/springframework/boot/loader/archive/JarFileArchive.java
* /opt/ws_local/PERMITS_SQL/1071985548_1594967672.79/0/spring-boot-loader-2-0-1-release-sources-1-jar/org/springframework/boot/loader/jar/JarURLConnection.java

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* /opt/ws_local/PERMITS_SQL/1071985548_1594967672.79/0/spring-boot-loader-2-0-1-release-sources-1-jar/org/springframework/boot/loader/jar/package-info.java
* /opt/ws_local/PERMITS_SQL/1071985548_1594967672.79/0/spring-boot-loader-2-0-1-release-sources-1-jar/org/springframework/boot/loader/data/package-info.java
* /opt/ws_local/PERMITS_SQL/1071985548_1594967672.79/0/spring-boot-loader-2-0-1-release-sources-1-jar/org/springframework/boot/loader/jar/StringSequence.java
* /opt/ws_local/PERMITS_SQL/1071985548_1594967672.79/0/spring-boot-loader-2-0-1-release-sources-1-jar/org/springframework/boot/loader/package-info.java
* /opt/ws_local/PERMITS_SQL/1071985548_1594967672.79/0/spring-boot-loader-2-0-1-release-sources-1-jar/org/springframework/boot/loader/MainMethodRunner.java
* /opt/ws_local/PERMITS_SQL/1071985548_1594967672.79/0/spring-boot-loader-2-0-1-release-sources-1-jar/org/springframework/boot/loader/archive/Archive.java
* /opt/ws_local/PERMITS_SQL/1071985548_1594967672.79/0/spring-boot-loader-2-0-1-release-sources-1-jar/org/springframework/boot/loader/ExecutableArchiveLauncher.java
* /opt/ws_local/PERMITS_SQL/1071985548_1594967672.79/0/spring-boot-loader-2-0-1-release-sources-1-jar/org/springframework/boot/loader/LaunchedURLClassLoader.java
* /opt/ws_local/PERMITS_SQL/1071985548_1594967672.79/0/spring-boot-loader-2-0-1-release-sources-1-jar/org/springframework/boot/loader/Handler.java
* /opt/ws_local/PERMITS_SQL/1071985548_1594967672.79/0/spring-boot-loader-2-0-1-release-sources-1-jar/org/springframework/boot/loader/JarLauncher.java
* /opt/ws_local/PERMITS_SQL/1071985548_1594967672.79/0/spring-boot-loader-2-0-1-release-sources-1-jar/org/springframework/boot/loader/jar/FileHeader.java
* /opt/ws_local/PERMITS_SQL/1071985548_1594967672.79/0/spring-boot-loader-2-0-1-release-sources-1-
jar/org/springframework/boot/loader/archive/package-info.java
* /opt/ws_local/PERMITS_SQL/1071985548_1594967672.79/0/spring-boot-loader-2-0-1-release-sources-1-
jar/org/springframework/boot/loader/archive/ExplodedArchive.java
* /opt/ws_local/PERMITS_SQL/1071985548_1594967672.79/0/spring-boot-loader-2-0-1-release-sources-1-
jar/org/springframework/boot/loader/util/package-info.java
* /opt/ws_local/PERMITS_SQL/1071985548_1594967672.79/0/spring-boot-loader-2-0-1-release-sources-1-
jar/org/springframework/boot/loader/jar/JarEntryFilter.java
* /opt/ws_local/PERMITS_SQL/1071985548_1594967672.79/0/spring-boot-loader-2-0-1-release-sources-1-
jar/org/springframework/boot/loader/WarLauncher.java

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