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Q: So any program which uses libstdc++ falls under the GPL?

A: No. The special exception permits use of the library in proprietary applications.

Q: How is that different from the GNU {Lesser,Library} GPL

-- Quoting Jason Merrill from the thread above: --

A: The LGPL requires that users be able to replace the LGPL code with a modified version; this is trivial if the library in question is a C shared library. But there's no way to make that work with C++, where much of the library consists of inline functions and templates, which are expanded inside the code that uses the library. So to allow people to replace the library code, someone using the library would have to distribute their own source, rendering the LGPL equivalent to the GPL.

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gcc (added 3/30/2012)

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#####



```
<<<<<<<<<xilinx-separator>>>>>>>>>
```

- ```
<<<<<<<<<xilinx-separator>>>>>>>>>>
```

e://V/archives/CQ5\_startup/pdf\_eula/xilinx14\_2/ug763\_tplg.txt[2/25/2013 10:58:11 AM]



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## LWIP 1.4.0

```
<<<<<<<<<xilinx-separator>>>>>>>>>
```

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Markus Kuhn -- 2007-05-26 (Unicode 5.0)

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abc

# ABC: System for Sequential Synthesis and Verification

# ANTLR

Apache FOP (Formatting Objects Processor, including Apache Batik)

## ATL Server

## AXI BFM (bus functional models)

axi\_protocol\_checker

binutils (for MicroBlaze)

binutils (for PowerPC)

binutils (added 3/30/2012)

## blueprint css

## Boost

ca-bundle.crt

## Callbacks

Centerpoint

cJSON  
C math library  
Commons I/O  
CUDD: CU Decision Diagram Package  
Curl 7.15.3  
Curl 7.21.7  
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Digilent CSE Plug-in and Adept Runtime  
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JDOM  
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/\* zlib.h -- interface of the 'zlib' general purpose compression library

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The specification of DOM Level 1's various parts is at:

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Links to all available W3C DOM Java Bindings can be found at:

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Last revised by Reagle Date: 2005-06-03 18:49:13 -0400 (Fri, 03 Jun 2005)

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// this module is derived from simplexml.cpp - an example shipped as part of  
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/\*=====

simplexml.cpp

Spirit V1.3

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## M4sh Initialization. ##
## ----- ##
```

```
# Be Bourne compatible
```

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 *** seiwald@vix.com, on 28 August 1993, for use in jam. Regmagic.h
 *** was moved into regexp.h, and the include of regexp.h now uses "'s
 *** to avoid conflicting with the system regexp.h. Const, bless its
 *** soul, was removed so it can compile everywhere. The declaration
 *** of strchr() was in conflict on AIX, so it was removed (as it is
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 *
 * Beware that some of this code is subtly aware of the way operator precedence
 * is structured in regular expressions. Serious changes in regular-expression

```

\* syntax might require a total rethink.  
\*/

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```

```
// Name: CglParam.cpp
// Author: Francois Margot
//       Tepper School of Business
//       Carnegie Mellon University, Pittsburgh, PA 15213
// Date: 11/24/06
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```

```
// name: Cgl Lifted Simple Generalized Flow Cover Cut Generator
// author: Yan Xu          email: yan.xu@sas.com
//       Jeff Linderoth    email: jtl3@lehigh.edu
//       Martin Savelsberg email: martin.savelsbergh@isye.gatech.edu
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/* File      : 'coinmp.h'          */
/* Version   : 1.6                 */
/* Author    : Bjarni Kristjansson, Maximal Software */
/* Copyright (c) 2002-2011         Bjarni Kristjansson */
/* $Id: CoinMP.h 447 2011-11-03 03:58:54Z bjarni $ */
```

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/* Written by Richard Stallman by simplifying the original so called
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```
// Name: CoinLpIO.cpp; Support for Lp files
// Author: Francois Margot
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*      Pietro Belotti, Lehigh University
* Purpose: methods for exploiting symmetry
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/*Author: Giacomo Nannicini
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* Source:  GNU C++
* Author:  Sonia Cafieri
// Authors :
// Giacomo Nannicini, Tepper School of Business, Carnegie Mellon University
// Date : 07/25/2010
// Authors :
// Pietro Belotti, Lehigh University
// Stefan Vigerske, Humboldt University
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// Scott Turnberg CMU 2006-05-12

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/\* C LALR(1) parser skeleton written by Richard Stallman, by  
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/\* All symbols defined below should begin with yy or YY, to avoid  
infringing on user name space. This should be done even for local  
variables, as they might otherwise be expanded by user macros.  
There are some unavoidable exceptions within include files to  
define necessary library symbols; they are noted "INFRINGES ON

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/* Identify Bison output. */

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//
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 * @author Horand Gassmann, Jun Ma, Kipp Martin
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```

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// authors: Tobias Pfender
//          Ambros Gleixner
//          Wei Huang
//          Konrad-Zuse-Zentrum Berlin (Germany)
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//-----
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/* Osi interface for Mosek ver. 5.0
   Lower versions are not supported
   -----
name:   OSI Interface for MOSEK

```

author: Bo Jensen  
email: support@MOSEK.com

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// name: OSI Interface for Gurobi  
// template: OSI Cplex Interface written by T. Achterberg  
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// name: OSI Interface for CPLEX  
// author: Tobias Pfender  
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libpixregion  
libic  
slim

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David Megginson, [david@megginson.com](mailto:david@megginson.com)  
2000-05-05

#####

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complete-ant-cmd.pl, envset.cmd, lcp.bat, runant.pl, runant.py and runrc.cmd are included with the plug-in with no modifications.

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org/osgi

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osgi/osgi.jar

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```
org\apache\felix\scr\Component.class
org\apache\felix\scr\Reference.class
org\apache\felix\scr\ScrService.class
```

The Felix SCR API source code can be found in src.zip in the following files:

```
org\apache\felix\scr\Component.java
org\apache\felix\scr\Reference.java
org\apache\felix\scr\ScrService.java
```

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Java Servlet API 2.5 (servlet-api.jar from Tomcat 6.0.14)

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Original binaries and source are available from the <http://tomcat.apache.org> Apache Tomcat website.

#####  
web-jsptaglibrary\_2\_0.xsd

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-->

```
<xsd:schema
targetNamespace="http://java.sun.com/xml/ns/j2ee"
xmlns:j2ee="http://java.sun.com/xml/ns/j2ee"
xmlns:xsd="http://www.w3.org/2001/XMLSchema"
xmlns:xml="http://www.w3.org/XML/1998/namespace"
elementFormDefault="qualified"
attributeFormDefault="unqualified"
version="2.0">
```

```
<xsd:annotation>
<xsd:documentation>
%W% %G%
</xsd:documentation>
</xsd:annotation>
<xsd:annotation>
<xsd:documentation>
```

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```
</xsd:documentation>
</xsd:annotation>
```

```
<xsd:annotation>
<xsd:documentation>
<![CDATA[
```

This is the XML Schema for the JSP Taglibrary descriptor. All Taglibrary descriptors must indicate the tag library schema by using the Taglibrary namespace:

<http://java.sun.com/xml/ns/j2ee>

and by indicating the version of the schema by using the version element as shown below:

```
<taglib xmlns="http://java.sun.com/xml/ns/j2ee"
xmlns:xsi="http://www.w3.org/2001/XMLSchema-instance"
xsi:schemaLocation="..."
version="2.0">
...
</taglib>
```

The instance documents may indicate the published version of the schema using `xsi:schemaLocation` attribute for J2EE namespace with the following location:

[http://java.sun.com/xml/ns/j2ee/web-jsptaglibrary\\_2\\_0.xsd](http://java.sun.com/xml/ns/j2ee/web-jsptaglibrary_2_0.xsd)

#####

j2ee\_web\_services\_1\_1.xsd

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

<!--

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-->

<xsd:schema xmlns="http://www.w3.org/2001/XMLSchema" targetNamespace="http://java.sun.com/xml/ns/j2ee" xmlns:j2ee="http://java.sun.com/xml/ns/j2ee" xmlns:xsd="http://www.w3.org/2001/XMLSchema" elementFormDefault="qualified" attributeFormDefault="unqualified" version="1.1">

<xsd:annotation>

<xsd:documentation>

@(#)j2ee\_web\_services\_1\_1.xsds 1.11 02/11/03

</xsd:documentation>

</xsd:annotation>

<xsd:annotation>

<xsd:documentation>

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```
</xsd:documentation>
</xsd:annotation>
<xsd:annotation>
<xsd:documentation>
```

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```
</xsd:documentation>
</xsd:annotation>

<xsd:annotation>
<xsd:documentation>
<![CDATA[
```

The webservices element is the root element for the web services deployment descriptor. It specifies the set of web service descriptions that are to be deployed into the J2EE Application Server and the dependencies they have on container resources and services. The deployment descriptor must be named "META-INF/webservices.xml" in the web services' jar file.

Used in: webservices.xml

All webservices deployment descriptors must indicate the webservices schema by using the J2EE namespace:

<http://java.sun.com/xml/ns/j2ee>

and by indicating the version of the schema by using the version element as shown below:

```
<webservices xmlns="http://java.sun.com/xml/ns/j2ee"
xmlns:xsi="http://www.w3.org/2001/XMLSchema-instance"
xsi:schemaLocation="http://java.sun.com/xml/ns/j2ee
http://www.ibm.com/webservices/xsd/j2ee_web_services_1_1.xsd"
version="1.1">
...
</webservices>
```

The instance documents may indicate the published version of the schema using the xsi:schemaLocation attribute for the J2EE



namespace with the following location:

```
#####  
j2ee_1_4.xsd
```

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

```
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```

```
-->
```

```
<xsd:schema  
targetNamespace="http://java.sun.com/xml/ns/j2ee"  
xmlns:j2ee="http://java.sun.com/xml/ns/j2ee"  
xmlns:xsd="http://www.w3.org/2001/XMLSchema"  
elementFormDefault="qualified"  
attributeFormDefault="unqualified"  
version="1.4">  
<xsd:annotation>  
<xsd:documentation>  
@(#)j2ee_1_4.xsds 1.43 03/09/16  
</xsd:documentation>  
</xsd:annotation>
```

```
<xsd:annotation>  
<xsd:documentation>
```

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```
</xsd:documentation>
</xsd:annotation>
<xsd:annotation>
<xsd:documentation>
```

The following definitions that appear in the common shareable schema(s) of J2EE deployment descriptors should be interpreted with respect to the context they are included:

Deployment Component may indicate one of the following:

- j2ee application;
- application client;
- web application;
- enterprise bean;
- resource adapter;

Deployment File may indicate one of the following:

- ear file;
- war file;
- jar file;
- rar file;

```
</xsd:documentation>
</xsd:annotation>
```

```
<xsd:import namespace="http://www.w3.org/XML/1998/namespace"
  schemaLocation="http://www.w3.org/2001/xml.xsd"/>
```

```
<xsd:include schemaLocation=
  "http://www.ibm.com/webservices/xsd/j2ee_web_services_client_1_1.xsd"/>
```

```
#####
web-app_2_3.dtd
```

```
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-->

#####  
web-app\_2\_4.xsd

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-->

```
<?xml version="1.0" encoding="UTF-8"?>
<xsd:schema xmlns="http://www.w3.org/2001/XMLSchema"
  targetNamespace="http://java.sun.com/xml/ns/j2ee"
  xmlns:j2ee="http://java.sun.com/xml/ns/j2ee"
  xmlns:xsd="http://www.w3.org/2001/XMLSchema"
  elementFormDefault="qualified"
  attributeFormDefault="unqualified"
```

version="2.4">  
<xsd:annotation>  
<xsd:documentation>  
%W% %E%  
</xsd:documentation>  
</xsd:annotation>

<xsd:annotation>  
<xsd:documentation>

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- xhtml11.dtd obtained from <http://www.w3.org/TR/xhtml11/DTD/xhtml11.dtd>
- xhtml11-flat.dtd obtained from <http://www.w3.org/TR/xhtml11/DTD/xhtml11-flat.dtd>
- xhtml1-frameset.dtd obtained from <http://www.w3.org/TR/xhtml1/DTD/xhtml1-frameset.dtd>
- xhtml1-strict.dtd obtained from <http://www.w3.org/TR/xhtml1/DTD/xhtml1-strict.dtd>
- xhtml1-transitional.dtd obtained from <http://www.w3.org/TR/xhtml1/DTD/xhtml1-transitional.dtd>
- xhtml-lat1.ent obtained from <http://www.w3.org/TR/xhtml1/DTD/xhtml-lat1.ent>
- xhtml-special.ent obtained from <http://www.w3.org/TR/xhtml1/DTD/xhtml-special.ent>
- xhtml-symbol.ent obtained from <http://www.w3.org/TR/xhtml1/DTD/xhtml-symbol.ent>

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```
org.eclipse.ant.internal.core.ant.InternalAntRunner
org.eclipse.ant.internal.core.ant.InternalProject
```

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```
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`org\eclipse\core\internal\registry\ReferenceMap.class`

The Jakarta Commons Collections source code can be found in src.zip in the following files:

`org\eclipse\core\internal\registry\ReferenceMap.java`

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Original binaries and source are available from the <http://tomcat.apache.org> Apache Tomcat website.

As part of this distribution a fix for UNC file support was applied to `org.apache.jasper.JSPCompilationContext` and is available in the `org.apache.jasper` source bundle.

For more details see [https://bugs.eclipse.org/bugs/show\\_bug.cgi?id=262641](https://bugs.eclipse.org/bugs/show_bug.cgi?id=262641)

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<p>Original binaries and source are available from the <http://tomcat.apache.org> Apache Tomcat website.

#####  
j2ee\_web\_services\_1\_1.xsd

```
<?xml version="1.0" encoding="UTF-8"?>
<xsd:schema xmlns="http://www.w3.org/2001/XMLSchema"
  targetNamespace="http://java.sun.com/xml/ns/j2ee"
  xmlns:j2ee="http://java.sun.com/xml/ns/j2ee"
  xmlns:xsd="http://www.w3.org/2001/XMLSchema"
  elementFormDefault="qualified"
  attributeFormDefault="unqualified"
  version="1.1">
<xsd:annotation>
<xsd:documentation>
@(#)j2ee_web_services_1_1.xsds 1.11 02/11/03
</xsd:documentation>
</xsd:annotation>
```

```
<xsd:annotation>
<xsd:documentation>
```

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</xsd:documentation>  
</xsd:annotation>  
<xsd:annotation>  
<xsd:documentation>

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#####  
j2ee\_1\_4.xsd

<?xml version="1.0" encoding="UTF-8"?>  
<xsd:schema  
targetNamespace="http://java.sun.com/xml/ns/j2ee"  
xmlns:j2ee="http://java.sun.com/xml/ns/j2ee"  
xmlns:xsd="http://www.w3.org/2001/XMLSchema"  
elementFormDefault="qualified"  
attributeFormDefault="unqualified"  
version="1.4">  
<xsd:annotation>  
<xsd:documentation>  
@(#)j2ee\_1\_4.xsds 1.42 03/08/01  
</xsd:documentation>  
</xsd:annotation>

<xsd:annotation>  
<xsd:documentation>

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```
</xsd:documentation>
</xsd:annotation>
<xsd:annotation>
<xsd:documentation>
```

The following definitions that appear in the common shareable schema(s) of J2EE deployment descriptors should be interpreted with respect to the context they are included:

Deployment Component may indicate one of the following:

- j2ee application;
- application client;
- web application;
- enterprise bean;
- resource adapter;

Deployment File may indicate one of the following:

- ear file;
- war file;
- jar file;
- rar file;

```
</xsd:documentation>
</xsd:annotation>
```

```
<xsd:import namespace="http://www.w3.org/XML/1998/namespace"
  schemaLocation="http://www.w3.org/2001/xml.xsd"/>
```

```
<xsd:include schemaLocation=
  "http://www.ibm.com/webservices/xsd/j2ee_web_services_client_1_1.xsd"/>
#####
web-app_2_3.dtd
```

```
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#####

j2ee\_web\_services\_client\_1\_1.xsd

```
<?xml version="1.0" encoding="UTF-8"?>
<xsd:schema xmlns="http://www.w3.org/2001/XMLSchema"
  targetNamespace="http://java.sun.com/xml/ns/j2ee"
  xmlns:j2ee="http://java.sun.com/xml/ns/j2ee"
  xmlns:xsd="http://www.w3.org/2001/XMLSchema"
  elementFormDefault="qualified"
  attributeFormDefault="unqualified"
  version="1.1">
<xsd:annotation>
<xsd:documentation>
@(#)j2ee_web_services_client_1_1.xsds 1.10 02/11/03
</xsd:documentation>
</xsd:annotation>
```

```
<xsd:annotation>
<xsd:documentation>
```

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</xsd:annotation>  
<xsd:annotation>  
<xsd:documentation>

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</xsd:documentation>  
</xsd:annotation>  
#####

web-app\_2\_4.xsd

<?xml version="1.0" encoding="UTF-8"?>  
<xsd:schema xmlns="http://www.w3.org/2001/XMLSchema"  
 targetNamespace="http://java.sun.com/xml/ns/j2ee"  
 xmlns:j2ee="http://java.sun.com/xml/ns/j2ee"  
 xmlns:xsd="http://www.w3.org/2001/XMLSchema"  
 elementFormDefault="qualified"  
 attributeFormDefault="unqualified"  
 version="2.4">  
<xsd:annotation>  
<xsd:documentation>  
 %W% %E%  
</xsd:documentation>  
</xsd:annotation>  
  
<xsd:annotation>  
<xsd:documentation>

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</xsd:documentation>
</xsd:annotation>
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UCharacterProperty.java

/**
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*/
#####
ICURWLock.java

/**
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UCharacter.java
SimpleDateFormat.java
/**
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*/

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ThaiBreakIterator.java
DictionaryBasedBreakIterator.java
/*
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#####
BidiLine.java
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23 Dec 2008

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The plug-in contains the implementation of a keyed-hash message authentication code (HMAC). It also relies on cryptographic algorithms provided by the Java <sup>TM</sup> Cryptography Extension (JCE) to support the implementation of the Secure Shell 2 (SSH2) protocol.

The following Java classes contain encryption items (the plug-in may contain both binary and source code):

com.jcraft.jsch.jcraft.HMAC

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\* Contributors:

\* IBM Corporation - initial API and implementation

\*\*\*\*\*/

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The Independent JPEG Group's JPEG software

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README for release 6b of 27-Mar-1998

=====

This distribution contains the sixth public release of the Independent JPEG Group's free JPEG software. You are welcome to redistribute this software and to use it for any purpose, subject to the conditions under LEGAL ISSUES, below.

Serious users of this software (particularly those incorporating it into larger programs) should contact IJG at [jpeg-info@uunet.uu.net](mailto: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

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This file contains the following sections:

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

Other documentation files in the distribution are:

User documentation:

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

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

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

## OVERVIEW

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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.

We welcome the use of this software as a component of commercial products. No royalty is required, but we do ask for an acknowledgement in product documentation, as described under LEGAL ISSUES.

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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  
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## REFERENCES

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

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

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

The best full description of JPEG is the textbook "JPEG Still Image Data Compression Standard" by William B. Pennebaker and Joan L. Mitchell, published by Van Nostrand Reinhold, 1993, ISBN 0-442-01272-1. Price US\$59.95, 638 pp. The book includes the complete text of the ISO JPEG standards (DIS 10918-1 and draft DIS 10918-2). This is by far the most complete exposition of JPEG in existence, and we highly recommend it.

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](ftp://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](ftp://ftp.uu.net) (Internet address 192.48.96.9). The most recent released version can always be found there in directory [graphics/jpeg](ftp://ftp.uu.net/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](mailto: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](ftp://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](ftp://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](http://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](mailto:mail-server@rtfm.mit.edu) with body  
send usenet/news.answers/jpeg-faq/part1  
send usenet/news.answers/jpeg-faq/part2

## RELATED SOFTWARE

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

If you are on a Unix machine, we highly recommend Jef Poskanzer's free PBPLUS 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 PBPLUS/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

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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](mailto:jpeg-info@uunet.uu.net).

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libswt-gnome-gtk-xxxx.so (where “xxxx” is the version number)

The following files in both the plug-in JAR and the src.zip shall be defined respectively as the bytecode and source code portions of the Gnome Binding:

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The following files in the plug-in JAR shall be defined as the native code portion of the GTK+ Binding:

libswt-atk-gtk-xxxx.so (where "xxxx" is the version number)  
libswt-pi-gtk-xxxx.so (where "xxxx" is the version number)

The following files in both the plug-in JAR and the src.zip shall be defined respectively as the bytecode and source code portions of the GTK+ Binding:

The contents of the directory org/eclipse/swt/internal/accessibility/gtk (but not including any sub-directories)  
The contents of the directory org/eclipse/swt/internal/cde (but not including any sub-directories)  
The contents of the directory org/eclipse/swt/internal/gtk (but not including any sub-directories)

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The "WebKitGTK+ Binding" is a binding to the WebKitGTK+ API. The Content may include any or all of the following files:

The following files in the plug-in JAR shall be defined as the native code portion of the WebKitGTK+ Binding:

libswt-webkit-gtk-xxxx.so (where “xxxx” is the version number)

The following files in both the plug-in JAR and the src.zip shall be defined respectively as the bytecode and source code portions of the WebKitGTK+ Binding:

The contents of the directory org/eclipse/swt/internal/webkit (but not including any sub-directories)

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The WebKitGTK+ Binding also contains portions of the WebKit JavaScriptCore code which is made available by the WebKit open source project (<http://webkit.org/>). The WebKit JavaScriptCore code was obtained under the terms of the BSD license. A copy of the BSD license is provided (webkit-bsd.txt) and is also available at <http://webkit.org/coding/bsd-license.html>.

libsoup

The “WebKitGTK+ Binding” also includes a binding to the libsoup API. The Content may include any or all of the following files:

The following files in the plug-in JAR shall be defined as the native code portion of the WebKitGTK+ Binding:

libswt-webkit-gtk-xxxx.so (where “xxxx” is the version number)

The following files in both the plug-in JAR and the src.zip shall be defined respectively as the bytecode and source code portions of the WebKitGTK+ Binding:

The contents of the directory org/eclipse/swt/internal/webkit (but not including any sub-directories)

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Mozilla Binding

The “Mozilla Binding” is a binding to the Mozilla API. The Content may include any or all of the following files:

The following files in the plug-in JAR shall be defined as the native code portion of the Mozilla Binding:

libswt-mozilla-gtk-xxxx.so (where “xxxx” is the version number)  
libswt-mozilla-gcc3-gtk-xxxx.so (where “xxxx” is the version number)  
libswt-xulrunner-gtk-xxxx.so (where “xxxx” is the version number)  
libswt-xpcominit-gtk-xxxx.so (where “xxxx” is the version number)

The following files in both the plug-in JAR and the src.zip shall be defined respectively as the bytecode and source code portions of the Mozilla Binding:

The contents of the directory org/eclipse/swt/internal/mozilla (but not including any sub-directories)

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XULRunner 1.9 (subset, derivative work)

The libraries libswt-xulrunner-gtk-xxxx.so, libswt-mozilla-gtk-xxxx.so, and libswt-mozilla-gcc3-gtk-xxxx.so (where “xxxx” is the version number) contain a small portion of XULRunner 1.9 content (header files) that have been modified from the Original Code provided by mozilla.org, and whose Initial Developer is Netscape Communications Corporation. Use of this code is governed by the terms and conditions of the Mozilla Public License Version 1.1 (“MPL”). A copy of the MPL is provided with the Content (mpl-v11.txt) and is also available at <http://www.mozilla.org/MPL/MPL-1.1.html>.

The changed files are:

org.eclipse.swt/Eclipse SWT Mozilla/common/library/nsIScriptContext.h  
org.eclipse.swt/Eclipse SWT Mozilla/common/library/nsIScriptGlobalObject.h

Changes to the original files were made by SWT on April 7, 2009 and are marked with trailing comment “//SWT-20090407”.

Cairo Binding

The “Cairo Binding” is a binding to the Cairo API. The Content may include any or all of the following files

The following files in the plug-in JAR shall be defined as the native code portion of the Cairo Binding:

libswt-cairo-gtk-xxxx.so (where “xxxx” is the version number)

The following files in both the plug-in JAR and the src.zip shall be defined respectively as the bytecode and source code portions of the Cairo Binding:

The contents of the directory org/eclipse/swt/internal/cairo (but not including any sub-directories)

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Cairo for Linux

Refer to the file `about_files/about_cairo.html` for licensing details about “Cairo for Linux.”

Independent JPEG Group's JPEG software release 6b

This software is based in part on the work of the Independent JPEG Group's JPEG software release 6b (“LIBJPEG”). LIBJPEG was used to implement the decoding of JPEG format files in Java (TM). The Content does NOT include any portion of the LIBJPEG file `ansi2knr.c`.

Your use of LIBJPEG is subject to the terms and conditions located in the `about_files/IJG_README` file which is included with the Content.

The IJG's website is located at <http://ijg.org>.

The class `org.eclipse.swt.internal.image.JPEGFileFormat` is based on following files from LIBJPEG:

`cderror.h`  
`cdjpeg.h`  
`jchuff.h`  
`jdcolor.c`  
`jdct.h`  
`jdhuff.h`  
`jerror.h`  
`jidctint.c`  
`jinclude.h`  
`jmemsys.h`  
`jmorecfg.h`  
`jpegint.h`  
`jpeglib.h`  
`jversion.h`  
`transupp.h`

The class `org.eclipse.swt.internal.image.JPEGDecoder` is based on the following files from LIBJPEG:

`jpegimmin.c`  
`jpegistd.c`  
`jpegcoef.c`  
`jpegcolor.c`  
`jpegdctmgr.c`  
`jchuff.c`  
`jpeginit.c`  
`jpegmain.c`  
`jpegmarker.c`  
`jpegmaster.c`  
`jpegcomapi.c`  
`jpegparam.c`  
`jpegphuff.c`  
`jpegprepct.c`  
`jpegsample.c`  
`jpegtrans.c`  
`jpegdapimin.c`  
`jpegdapistd.c`  
`jpegdatadst.c`

jdatasrc.c  
jdcoefct.c  
jdcOLOR.c  
jddctmgr.c  
jdhuff.c  
jdinput.c  
jdmainct.c  
jdmarker.c  
jdmaster.c  
jdmerge.c  
jdphuff.c  
jdpostct.c  
jdsample.c  
jdtrans.c  
jerror.c  
jfdctflt.c  
jfdctfst.c  
jfdctint.c  
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jidctint.c  
jidctred.c  
jpegtran.c  
jquant1.c  
jquant2.c  
jutils.c  
cderror.h  
cdjpeg.h  
jchuff.h  
jconfig.h  
jdct.h  
jdhuff.h  
jerror.h  
jinclude.h  
jmorecfg.h  
jpegint.h  
jpeglib.h  
jversion.h  
transupp.h

The following changes were made to the LIBJPEG code in the Content:

In Java, pointer math is not allowed so indexing was used instead.  
Function pointers were replaced with switch statements.  
The virtual memory, tracing and progress monitoring were removed.  
The error handling was simplified and now uses Java exceptions.

PuTTY 0.58 (derivative work)

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[http://www.sgi.com/tech/stl/stl\\_heap.h](http://www.sgi.com/tech/stl/stl_heap.h)

The java implementation of the code can be found in src.zip in the following files:

org\eclipse\ui\internal\views\markers\MarkerSortUtil.java

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\* IBM - Ported the code to Java

\*/

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\* Based on the original MiniSat specification from:

\*

\* An extensible SAT solver. Niklas Een and Niklas Sorensson. Proceedings of the  
\* Sixth International Conference on Theory and Applications of Satisfiability  
\* Testing, LNCS 2919, pp 502-518, 2003.

\*

\* See [www.minisat.se](http://www.minisat.se) for the original solver in C++.

\*

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June, 2010

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`org/sat4j/pb/reader/OPBReader2005.java`  
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\* Based on the original MiniSat specification from:

\* An extensible SAT solver. Niklas Een and Niklas Sorensson. Proceedings of the  
\* Sixth International Conference on Theory and Applications of Satisfiability  
\* Testing, LNCS 2919, pp 502-518, 2003.

\* See [www.minisat.se](http://www.minisat.se) for the original solver in C++.

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# Based on the original MiniSat specification from:

#

# An extensible SAT solver. Niklas Een and Niklas Sorensson. Proceedings of the  
# Sixth International Conference on Theory and Applications of Satisfiability  
# Testing, LNCS 2919, pp 502-518, 2003.

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# See [www.minisat.se](http://www.minisat.se) for the original solver in C++.

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\* BoundedBufferWithStateTracking is part of the examples for the book

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| GLX driver     | include/GL/glx.h    | Brian Paul | Mesa       |
| Ext registry   | include/GL/glext.h  | SGI        | SGI Free B |
|                | include/GL/glxext.h |            |            |

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## JDOM

```
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Jide includes the following jar files:

- commons-math-2.2.jar
- laf-widget.jar (5.0)
- poi-3.5-FINAL-20090928.jar
- poi-ooxml-3.5-FINAL-20090928.jar
- servlet-api.jar
- Lucene-core-3.5.0.jar
- Jgoodies-looks-2.4.2.jar
- substance-6.0.jar
- Toniclf.jar

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- commons-math-2.2.jar

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- laf-widget.jar (5.0)

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# from source file 'excelfileformat.odt' (size=356107, md5=0x8f789cb6e75594caf068f8e193004ef4)
#
# Columns: (index, name, minParams, maxParams, returnClass, paramClasses, isVolatile, hasFootnote )
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# from source file 'excelfileformat.odt' (size=356107, md5=0x8f789cb6e75594caf068f8e193004ef4)  
# ! + some manual edits !  
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#Columns: (index, name, minParams, maxParams, returnClass, paramClasses, isVolatile, hasFootnote )  
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 * $Id: AbstractFilter.java 2254 2009-10-15 04:00:12Z kirillcool $
 *
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```
<<<<<<<<<xilinx-separator>>>>>>>>>
```

FILE: libconfig-1.4.5/debian/rules

```
#!/usr/bin/make -f
```

```
# *- makefile -*-
```

```
# Sample debian/rules that uses debhelper.
```

# This file was originally written by Joey Hess and Craig Small.

# As a special exception, when this file is copied by dh-make into a

# dh-make output file, you may use that output file without restriction.

# This special exception was added by Craig Small in version 0.37 of dh-make.

```
# Uncomment this to turn on verbose mode.
```

```
#export DH_VERBOSE=1
```

```
# These are used for cross-compiling and for saving the configure script
```

# from having to guess our platform (since we know it already)

FILE: libconfig-1.4.5/examples/c++/example4.cpp

/\* -----

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FILE: libconfig-1.4.5/examples/c++/example3.cpp

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FILE: libconfig-1.4.5/examples/c++/example2.cpp

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FILE: libconfig-1.4.5/examples/c++/example1.cpp

/\*

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FILE: libconfig-1.4.5/examples/c/example2.c

```
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*/
```

FILE: libconfig-1.4.5/examples/c/Makefile.in

```
# Makefile.in generated by automake 1.11.1 from Makefile.am.  
# @configure_input@  
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FILE: libconfig-1.4.5/examples/c/example3.c

```
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-----  
*/
```

FILE: libconfig-1.4.5/examples/c/example1.c

```
/* -----
```

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FILE: libconfig-1.4.5/test.cfg

#-----

# Example Configuration File

#-----

#

FILE: libconfig-1.4.5/Makefile.in

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# @configure\_input@

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# Makefile.in generated by automake 1.11.1 from Makefile.am.

# @configure\_input@



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FILE: libconfig-1.4.5/configure

```
#!/bin/sh
# Guess values for system-dependent variables and create Makefiles.
# Generated by GNU Autoconf 2.65 for libconfig 1.4.5.
#
# Report bugs to <hyperrealm@gmail.com>.
#
#
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#
#
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## ----- ##
## M4sh Initialization. ##
## ----- ##
# Be more Bourne compatible
```

FILE: libconfig-1.4.5/aux-build/config.sub

```
#!/bin/sh
# Configuration validation subroutine script.
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FILE: libconfig-1.4.5/aux-build/ltmain.sh

```
# Generated from ltmain.m4sh.
# ltmain.sh (GNU libtool) 2.2.6b
# Written by Gordon Matzigkeit <gord@gnu.ai.mit.edu>, 1996
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FILE: libconfig-1.4.5/aux-build/config.guess
#!/bin/sh
# Attempt to guess a canonical system name.
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```
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-----
*/
```

```
FILE: libconfig-1.4.5/lib/grammar.h
/* A Bison parser, made by GNU Bison 2.3. */
/* Skeleton interface for Bison's Yacc-like parsers in C
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-----  
\*/

FILE: libconfig-1.4.5/lib/scanctx.c

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-----  
\*/

FILE: libconfig-1.4.5/lib/Makefile.in

```
# Makefile.in generated by automake 1.11.1 from Makefile.am.
# @configure_input@
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```

FILE: libconfig-1.4.5/lib/strbuf.c

```
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-----
*/
```

FILE: libconfig-1.4.5/lib/scanctx.h

```
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-----
*/
```

FILE: libconfig-1.4.5/lib/wincompat.h

```
/* -----
libconfig - A library for processing structured configuration files
```

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\*/

FILE: libconfig-1.4.5/lib/parsectx.h

/\*

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\*/

FILE: libconfig-1.4.5/lib/libconfig.c

/\*

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\*/

FILE: libconfig-1.4.5/lib/libconfigcpp.cc

```
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Foundation, Inc., 59 Temple Place, Suite 330, Boston, MA 02111-1307 USA  
-----  
*/
```

FILE: libconfig-1.4.5/lib/grammar.c

```
/* A Bison parser, made by GNU Bison 2.3. */  
/* Skeleton implementation for Bison's Yacc-like parsers in C  
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along with this program; if not, write to the Free Software  
Foundation, Inc., 51 Franklin Street, Fifth Floor,  
Boston, MA 02110-1301, USA. */  
/* As a special exception, you may create a larger work that contains  
part or all of the Bison parser skeleton and distribute that work  
under terms of your choice, so long as that work isn't itself a  
parser generator using the skeleton or a modified version thereof  
as a parser skeleton. Alternatively, if you modify or redistribute  
the parser skeleton itself, you may (at your option) remove this  
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License without this special exception.  
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version 2.2 of Bison. */  
/* C LALR(1) parser skeleton written by Richard Stallman, by  
simplifying the original so-called "semantic" parser. */  
/* All symbols defined below should begin with yy or YY, to avoid  
infringing on user name space. This should be done even for local  
variables, as they might otherwise be expanded by user macros.  
There are some unavoidable exceptions within include files to  
define necessary library symbols; they are noted "INFRINGES ON
```

```
/* Identify Bison output. */
```

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@(#) \$Id: arcnet.h,v 1.2 2001/04/24 02:17:52 guy Exp \$ (LBL)

from: NetBSD: if\_arc.h,v 1.13 1999/11/19 20:41:19 thorpej Exp

RFC 1051

-----  
File: /home/sps/ttt/libpcap-1.0.0/./atmuni31.h

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@(#) \$Header: /tcpdump/master/libpcap/atmuni31.h,v 1.1.6.2 2007/10/22 19:30:14 guy Exp \$ (LBL)

Based on UNI3.1 standard by ATM Forum  
ATM traffic types based on VPI=0 and (the following VCI

-----  
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@(#)bpf.c 7.5 (Berkeley) 7/15/91

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This file contains dlpi/libdlpi related common functions used by pcap-[dlpi,libdlpi].c.

-----  
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@(#) \$Header: /tcpdump/master/libpcap/ethertype.h,v 1.14 2005/09/05 09:06:58 guy Exp \$ (LBL)

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File: /home/sps/ttt/libpcap-1.0.0/./fad-getad.c

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File: /home/sps/ttt/libpcap-1.0.0/./fad-null.c  
Mode: c; tab-width: 8; indent-tabs-mode: 1; c-basic-offset: 8; -\*- \*/

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File: /home/sps/ttt/libpcap-1.0.0/./fad-sita.c

fad-sita.c: Packet capture interface additions for SITA ACN devices

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File: /home/sps/ttt/libpcap-1.0.0/./filtertest.c

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File: /home/sps/ttt/libpcap-1.0.0/./gencode.c  
#define CHASE\_CHAIN\*/

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@(#) \$Header: /tcpdump/master/libpcap/gencode.h,v 1.70.2.1 2007/11/18 02:04:55 guy Exp \$ (LBL)

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ATM support:

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\$FreeBSD: src/sys/net80211/ieee80211.h,v 1.10 2005/07/22 16:55:27 sam Exp \$

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File: /home/sps/ttt/libpcap-1.0.0/./inet.c  
Mode: c; tab-width: 8; indent-tabs-mode: 1; c-basic-offset: 8; -\*- \*/

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802.2 LLC SAP values.

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File: /home/sps/ttt/libpcap-1.0.0/./nametoaddr.c

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Name to id translation routines used by the scanner.  
These functions are not time critical.

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Types missing from some systems

Network layer protocol identifiers

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Optimization module for tcpdump intermediate representation.

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Bluetooth sniffing API implementation for Linux platform  
By Paolo Abeni <paolo.abeni@email.it>

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By Paolo Abeni <paolo.abeni@email.it>

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Prototypes for Bluetooth-related functions

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pcap-linux.c: Packet capture interface to the Linux kernel

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Modifications: Added PACKET\_MMAP support

Paolo Abeni <paolo.abeni@email.it>

based on previous works of:  
Simon Patarin <patarin@cs.unibo.it>  
Phil Wood <cpw@lanl.gov>

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packet filter subroutines for tcpdump  
Extraction/creation by Jeffrey Mogul, DECWRL

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File: /home/sps/ttt/libpcap-1.0.0/./pcap-sita.c

pcap-sita.c: Packet capture interface additions for SITA ACN devices

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File: /home/sps/ttt/libpcap-1.0.0/./pcap-snit.c

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Modifications made to accommodate the new SunOS4.0 NIT facility by Micky Liu, micky@cunixc.cc.columbia.edu, Columbia University in May, 1989. This module now handles the STREAMS based NIT.

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@(#) \$Header: /tcpdump/master/libpcap/pcap-stdinc.h,v 1.10.2.1 2008-10-06 15:38:39 gianluca Exp \$ (LBL)

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USB sniffing API implementation for Linux platform

By Paolo Abeni <paolo.abeni@email.it>

Modifications: Kris Katterjohn <katterjohn@gmail.com>

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USB sniffing API implementation for Linux platform  
By Paolo Abeni <paolo.abeni@email.it>

@(#) \$Header: /tcpdump/master/libpcap/pcap-usb-linux.h,v 1.4.2.1 2008-04-04 19:39:06 guy Exp \$ (LBL)

Prototypes for USB-related functions

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File: /home/sps/ttt/libpcap-1.0.0/./ppp.h

@(#) \$Header: /tcpdump/master/libpcap/ppp.h,v 1.12 2005/02/08 19:52:19 guy Exp \$ (LBL) \*/

Point to Point Protocol (PPP) RFC1331

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savefile.c - supports offline use of tcpdump  
Extraction/creation by Jeffrey Mogul, DECWRL  
Modified by Steve McCanne, LBL.

Used to save the received packet headers, after filtering, to a file, and then read them later.  
The first record in the file contains saved values for the machine dependent values so we can print the dump file on any architecture.

-----  
File: /home/sps/ttt/libpcap-1.0.0/./sunatmpos.h

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@(#) \$Header: /tcpdump/master/libpcap/sunatmpos.h,v 1.1 2002/07/11 09:06:47 guy Exp \$ (LBL)

SunATM header for ATM packet \*/

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File: /home/sps/ttt/libpcap-1.0.0/./Win32/Src/ffs.c

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```
#include <sys/cdefs.h>
__FBSDID("$FreeBSD: /repoman/r/ncvs/src/lib/libc/net/gai_strerror.c,v 1.1 2005/04/06 12:45:51 ume Exp $");
```

```
-----
File: /home/sps/ttt/libpcap-1.0.0/./Win32/Src/getaddrinfo.c
```

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\$Id: inet\_pton.c,v 1.3 2007/09/27 18:02:20 gianluca Exp \$ \*/

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\$Id: addrinfo.h,v 1.1 2002/08/01 08:33:05 risso Exp \$ \*/

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@(#) \$Header: /tcpdump/master/libpcap/Win32/Include/ip6\_misc.h,v 1.5 2006/01/22 18:02:18 gianluca Exp \$ (LBL)

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File: /home/sps/ttt/libpcap-1.0.0/./Win32/Include/sockstorage.h

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\$FreeBSD: src/sys/net/if.h,v 1.49.2.1 1999/08/29 16:28:15 peter Exp \$

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netdb.h,v 1.4 1995/08/14 04:05:04 hjl Exp

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nameser.h,v 1.2 1995/05/06 14:23:54 hjl Exp

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bluetooth data struct

By Paolo Abeni <paolo.abeni@email.it>

@(#) \$Header: /tcpdump/master/libpcap/pcap/bluetooth.h,v 1.1 2007/09/22 02:10:17 guy Exp \$

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File: /home/sps/ttt/libpcap-1.0.0/./pcap/bpf.h

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File: /home/sps/ttt/libpcap-1.0.0/./pcap/pcap.h  
Mode: c; tab-width: 8; indent-tabs-mode: 1; c-basic-offset: 8; -\*- \*/

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Basic USB data struct

By Paolo Abeni <paolo.abeni@email.it>

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File: /home/sps/ttt/libpcap-1.0.0/./msdos/bin2c.c

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File: /home/sps/ttt/libpcap-1.0.0/./msdos/ndis2.c

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Developers:

David K. Hess, Douglas Lee Schales, David R. Safford

Heavily modified for Metaware HighC + GNU C 2.8+

Gisle Vanem 1998

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Developers:

David K. Hess, Douglas Lee Schales, David R. Safford

Heavily modified for Metaware HighC + GNU C 2.8+

Gisle Vanem 1998

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File: /home/sps/ttt/libpcap-1.0.0/./missing/snprintf.c

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\$Id: snprintf.c,v 1.1 2004/04/05 22:43:51 guy Exp \$

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File: /home/sps/ttt/libpcap-1.0.0/./lbl/os-aix4.h

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@(#) \$Header: /tcpdump/master/libpcap/lbl/os-aix4.h,v 1.1 2002/06/01 09:37:40 guy Exp \$

Prototypes missing in AIX 4.x \*/

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File: /home/sps/ttt/libpcap-1.0.0/./lbl/os-hpux11.h

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@(#) \$Header: /tcpdump/master/libpcap/lbl/os-hpux11.h,v 1.1 2002/06/01 09:37:41 guy Exp \$

Prototypes missing in HP-UX 11.x

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File: /home/sps/ttt/libpcap-1.0.0/./lbl/os-osf4.h

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@(#) \$Header: /tcpdump/master/libpcap/lbl/os-osf4.h,v 1.2 2000/12/22 11:51:33 guy Exp \$ (LBL)

Prototypes missing in Digital UNIX 4.x

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File: /home/sps/ttt/libpcap-1.0.0/./lbl/os-osf5.h

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@(#) \$Header: /tcpdump/master/libpcap/lbl/os-osf5.h,v 1.2 2002/08/02 03:24:15 guy Exp \$ (LBL)

Prototypes missing in Tru64 UNIX 5.x

XXX - "snprintf()" and "vsnprintf()" aren't missing, but you have to #define the right value to get them defined by <stdio.h>.

-----

File: /home/sps/ttt/libpcap-1.0.0/./lbl/os-solaris2.h

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@(#) \$Header: /tcpdump/master/libpcap/lbl/os-solaris2.h,v 1.19 2000/10/11 04:02:52 guy Exp \$ (LBL)

Prototypes missing in SunOS 5 \*/

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File: /home/sps/ttt/libpcap-1.0.0/./lbl/os-sunos4.h

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@(#) \$Header: /tcpdump/master/libpcap/lbl/os-sunos4.h,v 1.32.1.1 1999/10/07 23:46:41 mcr Exp \$ (LBL)

Prototypes missing in SunOS 4 \*/

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File: /home/sps/ttt/libpcap-1.0.0/./lbl/os-ultrix4.h

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@(#) \$Header: /tcpdump/master/libpcap/lbl/os-ultrix4.h,v 1.19.1.1 1999/10/07 23:46:41 mcr Exp \$ (LBL)

Prototypes missing in Ultrix 4 \*/

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File: /home/sps/ttt/libpcap-1.0.0/./bpf/net/bpf\_filter.c

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@(#)bpf.c 7.5 (Berkeley) 7/15/91

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Glenn Randers-Pehrson  
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| CellSPU backend | llvm/lib/Target/CellSPU/README.txt   |
| Google Test     | llvm/utils/unittest/googletest   |
| OpenBSD regex   | llvm/lib/Support/{reg*, COPYRIGHT.regex}   |

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Llvm-gcc

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# Harwell-Boeing File I/O in C

## V. 1.0

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3.2.4. Network Concurrent User. The Programs may only be installed in a central location on a single designated network server. Licensee must run the License Manager in its Concurrent mode and may have only as many Licensed Users simultaneously operating a Program at any given time as the number of Concurrent keys acquired for that Program. Subject to the foregoing, a Licensed User of the Concurrent License Option may utilize any number of Computers served by a single License Manager provided that, before using a Program on any Computer, the Licensed User checks out a separate Concurrent key from the License Manager for that Computer. Portions of the Programs may be installed on individual Computers to accelerate startup times, as long as the installations on the individual Computers are controlled by the License Manager on the network server. Licensees of the Concurrent License Option are prohibited from providing Program access to users located outside the country in which the License Manager server is installed unless Licensee has contracted for global use. For the purposes of the Concurrent License Option, all servers located in a member country of the North American Free Trade Agreement ("NAFTA") shall be considered located in the same country as those of the other NAFTA members, and all servers located in Iceland, Norway, Switzerland, or any member country of the European Union ("EU") shall be considered located in the same country.

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#### 4. REMOTE AND SHARED OPERATION.

Subject also to the foregoing:

##### 4.1. Remote Access to the Desktop:

Using the Microsoft(R) Remote Desktop connection feature or similar technologies:

4.1.1. Named Users and Network Named Users may remotely access Programs for which they are licensed.

4.1.2. Network Concurrent Users may remotely access Programs served by the License Manager server for the License under which they are operating.

4.1.3. The Licensee of a Designated Computer Activation Type may designate one Licensed User to remotely access the Programs licensed on the Designated Computer for operation on that Designated Computer. Licensee may redesignate such Licensed User, whether temporarily or not, no more than four (4) times per year.

##### 4.2. Shared Access to the Desktop:

4.2.1. A Licensed User may use Microsoft(R) Remote Assistance technology, NetMeeting(R) conferencing software, or similar technologies to share the desktop view of a Program session remotely with another individual for assistive purposes only.

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- 3.2.2. Designated Computer. The Programs may only be installed and operated on a single, designated Computer, provided the Computer is not a network server and the Programs are only operated from that Computer's console by only one Licensed User at any given time. Licensee may redesignate the Computer for a Program to a different Computer, whether temporarily or not, no more than four (4) times per year. In the case of Designated Computer Licenses licensed as part of a group, Licensee shall be responsible for, and shall assign a central administrator the task of, administering the Licenses and installing the Programs, including new versions of the Programs delivered during any paid Software Maintenance Service term.
- 3.2.3. Network Concurrent User. The Programs may only be installed in a central location on a single designated network server. Licensee must run the License Manager in its Concurrent mode and may have only as many Licensed Users simultaneously operating a

Program at any given time as the number of Concurrent keys acquired for that Program. Subject to the foregoing, a Licensed User of the Concurrent License Option may utilize any number of Computers served by a single License Manager provided that, before using a Program on any Computer, the Licensed User checks out a separate Concurrent key from the License Manager for that Computer. Portions of the Programs may be installed on university-owned or controlled individual Computers to accelerate startup times, as long as the installations on the individual Computers are controlled by the License Manager on the network server. Licensees of the Concurrent License Option are prohibited from providing Program access to users located outside the country in which the License Manager server is installed.

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4.1.1. Named Users may remotely access Programs for which they are licensed.

4.1.2. Network Concurrent Users may remotely access Concurrent Programs served by the License Manager server for the License under which they are operating.

4.1.3. The Licensee of a Designated Computer Activation Type may designate one Licensed User to remotely access the Programs licensed on the Designated Computer for operation on that Designated Computer. Licensee may redesignate such Licensed User, whether temporarily or not, no more than four (4) times per year.

##### 4.2. Shared Access to the Desktop:

- 4.2.1. A Licensed User may use Microsoft(R) Remote Assistance technology, NetMeeting(R) conferencing software, or similar technologies to share the desktop view of a Program session remotely with another individual for assistive purposes only.

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4.7. MCR Libraries. MATLAB Compiler Runtime support libraries and other files for deployment of Applications created with the MATLAB Compiler.

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4.9. Program Component. Any portion of, or file provided with, a Program.

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/* Address of data segment in memory after it is loaded.
   It is up to you to define SEGMENT_SIZE on machines not listed here. */
```

#### COPYRIGHT TEXT:

```
/*-----*/
/*--- Block sorting machinery ---*/
/*--- blocksort.c ---*/
/*-----*/
/*--
```

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Julian Seward, Cambridge, UK.

jseward@bzip.org

bzip2/libbzip2 version 1.0 of 21 March 2000

This program is based on (at least) the work of:

Mike Burrows  
David Wheeler  
Peter Fenwick  
Alistair Moffat  
Radford Neal  
Ian H. Witten  
Robert Sedgewick  
Jon L. Bentley

For more information on these sources, see the manual.

To get some idea how the block sorting algorithms in this file work, read my paper

On the Performance of BWT Sorting Algorithms  
in Proceedings of the IEEE Data Compression Conference 2000,  
Snowbird, Utah, USA, 27-30 March 2000. The main sort in this  
file implements the algorithm called `cache` in the paper.

--\*/

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/\* Parse arguments from a string and prepend them to an argv.

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```
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```

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libmangle and gendef  
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```
=====
getopt, getopt_long, and getopt_long_only
=====
```

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=====

RCS: @(#) \$Id: mkdepend.tcl,v 1.6 2007/12/13 15:28:40 dgp Exp \$  
=====

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- 1) ./generic/regexec.c
- 2) ./generic/regc\_color.c
- 3) ./generic/regc\_cvec.c
- 4) ./generic/regc\_nfa.c
- 5) ./generic/regerror.c
- 6) ./generic/regguts.h
- 7) ./generic/regfronts.c
- 8) ./generic/regfree.c
- 9) ./generic/regc\_lex.c
- 10) ./generic/regcustom.h
- 11) ./generic/rege\_dfa.c
- 12) ./generic/regcomp.c

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- 3) ./generic/regc\_cvec.c - "Notes: Only (selected) functions in `_this_` file should treat `chr*` as non-constant."
- 4) ./generic/regc\_nfa.c - "One or two things that technically ought to be in here are actually in `color.c`, thanks to some incestuous relationships in the color chains."



- 6) ./generic/regguts.h - "Environmental customization. It should not (I hope) be necessary to alter the file you are now reading -- regcustom.h should handle it all, given care here and elsewhere."
- 8) ./generic/regfree.c - "You might think that this could be incorporated into regcomp.c, and that would be a reasonable idea... except that this is a generic function (with a generic name), applicable to all compiled Res regardless of the size of their characters, whereas the stuff in regcomp.c gets compiled once per character size."
- 9) ./generic/regc\_lex.c - "scanning macros (know about v)"
- 10) ./generic/regcustom.h - "Headers if any."

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-----

A Bison parser, made by GNU Bison 2.3.

Skeleton implementation for Bison's Yacc-like parsers in C

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Identify Bison output.

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```
<<<<<<<<xilinx-separator>>>>>>>>
```

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```
<<<<<<<<xilinx-separator>>>>>>>>>>
```

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- 8) ./generic/regfree.c
- 9) ./generic/regc\_lex.c
- 10) ./generic/regcustom.h
- 11) ./generic/rege\_dfa.c
- 12) ./generic/regcomp.c

-----  
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- 9) ./generic/regc\_lex.c - "scanning macros (know about `v`)"
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A Bison parser, made by GNU Bison 2.3.

Skeleton implementation for Bison's Yacc-like parsers in C

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 *
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```
## ----- ##
## M4sh Initialization. ##
## ----- ##
# Be Bourne compatible
```

TLM (AESL)

```
<<<<<<<<<<xilinx-separator>>>>>>>>>>>>>
```

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U-Boot

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```

#### Summary:

=====

This directory contains the source code for U-Boot, a boot loader for Embedded boards based on PowerPC, ARM, MIPS and several other processors, which can be installed in a boot ROM and used to initialize and test the hardware or to download and run application code.

The development of U-Boot is closely related to Linux: some parts of the source code originate in the Linux source tree, we have some header files in common, and special provision has been made to support booting of Linux images.

Some attention has been paid to make this software easily configurable and extendable. For instance, all monitor commands are implemented with the same call interface, so that it's very easy to add new commands. Also, instead of permanently adding rarely used code (for instance hardware test utilities) to the monitor, you can load and run it dynamically.

#### Status:

=====

In general, all boards for which a configuration option exists in the Makefile have been tested to some extent and can be considered "working". In fact, many of them are used in production systems.

In case of problems see the CHANGELOG and CREDITS files to find out who contributed the specific port. The MAINTAINERS file lists board maintainers.

#### Where to get help:

=====

In case you have questions about, problems with or contributions for U-Boot you should send a message to the U-Boot mailing list at <u-boot@lists.denx.de>. There is also an archive of previous traffic on the mailing list - please search the archive before asking FAQ's. Please see <http://lists.denx.de/pipermail/u-boot> and <http://dir.gmane.org/gmane.comp.boot-loaders.u-boot>

Where to get source code:

=====

The U-Boot source code is maintained in the git repository at  
[git://www.denx.de/git/u-boot.git](http://www.denx.de/git/u-boot.git) ; you can browse it online at  
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The "snapshot" links on this page allow you to download tarballs of any version you might be interested in. Official releases are also available for FTP download from the <ftp://ftp.denx.de/pub/u-boot/> directory.

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Julian Seward, Cambridge, UK.

jseward@acm.org

bzip2/libbzip2 version 1.0 of 21 March 2000

This program is based on (at least) the work of:

Mike Burrows  
David Wheeler  
Peter Fenwick  
Alistair Moffat  
Radford Neal  
Ian H. Witten



Robert Sedgewick

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\* DNS support driver

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\*

\* This is a simple DNS implementation for U-Boot. It will use the first IP  
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\*

\* The packet handling is partly based on TADNS, original copyrights  
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bzip2/libbzip2 version 1.0 of 21 March 2000

This program is based on (at least) the work of:

Mike Burrows  
David Wheeler  
Peter Fenwick  
Alistair Moffat  
Radford Neal  
Ian H. Witten  
Robert Sedgewick  
Jon L. Bentley

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## Uncommons Math API - BitString class

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WinPCap

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03 May 2005

Updated 16 Apr 2009

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```
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Copyright (C) <year> <name of author>
```

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

```
<program> Copyright (C) <year> <name of author>  
This program comes with ABSOLUTELY NO WARRANTY; for details type `show w'.  
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```

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```
<<<<<<<<xilinx-separator>>>>>>>>>>
```

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Version 2.1, February 1999

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Version 3, 29 June 2007

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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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That's all there is to it!



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## Version 1.00

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<<<<<<<<xilinx-separator>>>>>>>>>
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# MOZILLA PUBLIC LICENSE

Version 1.1

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