



# Open Source Used In Cisco Virtual Topology System 2.4.1

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## Contents

### **VTC 2.4.2 2.4.2**

#### **2.1 Abdera Client 0.4.0-incubating**

2.1.1 Available under license

#### **2.2 Abdera Extensions - HTML 0.4.0-incubating**

2.2.1 Available under license

#### **2.3 Abdera Extensions - JSON 0.4.0-incubating**

2.3.1 Available under license

#### **2.4 Abdera Extensions - Main 0.4.0-incubating**

2.4.1 Available under license

#### **2.5 Abdera Parser 0.4.0-incubating**

2.5.1 Available under license

#### **2.6 Abdera Server 0.4.0-incubating**

2.6.1 Available under license

#### **2.7 Activation 1.1 1.0.2**

2.7.1 Available under license

#### **2.8 angular 1.4.2**

2.8.1 Available under license

#### **2.9 angular-animate 1.4.2**

2.9.1 Available under license

#### **2.10 angular-route 1.4.2**

2.10.1 Available under license

#### **2.11 angular-sanitize 1.4.4**

2.11.1 Available under license

#### **2.12 angular-schema-form-bootstrap 0.2.0**

2.12.1 Available under license

#### **2.13 angular-tree-control 0.2.25**

2.13.1 Available under license

- 2.14 angular-ui-router 0.2.15**
  - 2.14.1 Available under license
- 2.15 Angular-ui-select 0.13.2**
  - 2.15.1 Available under license
- 2.16 angular-visjs .0.0.2**
  - 2.16.1 Available under license
- 2.17 AngularJS Toaster 0.4.16**
  - 2.17.1 Available under license
- 2.18 Annotation 1.0 1.1.1**
  - 2.18.1 Available under license
- 2.19 ANTLR 2.7.2**
  - 2.19.1 Available under license
- 2.20 Apache Commons Codec 1.3.**
  - 2.20.1 Available under license
- 2.21 Apache Jakarta Commons Digester 1.8**
  - 2.21.1 Available under license
- 2.22 Apache Jakarta Commons Validator 1.3.1**
  - 2.22.1 Available under license
- 2.23 Apache Tomcat Core 7.0.68**
  - 2.23.1 Available under license
- 2.24 Apache Xerces 2.6.2.**
  - 2.24.1 Notifications
  - 2.24.2 Available under license
- 2.25 apache-log4j 1.2.15**
  - 2.25.1 Available under license
- 2.26 ASM 3.1**
  - 2.26.1 Available under license
- 2.27 AspectJ runtime 1.6.1**
  - 2.27.1 Available under license
- 2.28 AspectJ weaver 1.6.5**
  - 2.28.1 Available under license
- 2.29 AspectJ Weaver 1.5.4**
  - 2.29.1 Available under license
- 2.30 aspectjrt 1.6.5**
  - 2.30.1 Available under license
- 2.31 Axiom API 1.2.7**
  - 2.31.1 Available under license
- 2.32 Axiom Impl 1.2.7**
  - 2.32.1 Available under license

### **2.33 batik-all 1.7**

2.33.1 Available under license

### **2.34 Bootstrap 3.0**

2.34.1 Available under license

### **2.35 CHI 0.60**

2.35.1 Available under license

### **2.36 com.springsource.org.apache.commons.logging 1.1.1**

2.36.1 Available under license

### **2.37 com.springsource.org.apache.log4j 1.2.16**

2.37.1 Available under license

### **2.38 Commons BeanUtils Core 1.8.0**

2.38.1 Available under license

### **2.39 Commons Logging 1.1.1**

2.39.1 Available under license

### **2.40 commons-chain 1.2**

2.40.1 Available under license

### **2.41 commons-collections 3.1**

2.41.1 Available under license

### **2.42 commons-fileupload 1.3.1**

2.42.1 Available under license

### **2.43 commons-lang 2.4**

2.43.1 Available under license

### **2.44 commons-logging 1.1.1**

2.44.1 Available under license

### **2.45 commons-logging 1.0.4**

2.45.1 Available under license

### **2.46 Config::Properties 1.80**

2.46.1 Available under license

### **2.47 corosync 2.3.3 :1ubuntu1**

2.47.1 Available under license

### **2.48 Cpanel::JSON::XS 3.0115**

2.48.1 Available under license

### **2.49 Crypt::OpenSSL::AES 0.01**

2.49.1 Available under license

### **2.50 csv2array 0.0.4**

2.50.1 Available under license

### **2.51 CXF Bundle jaxrs 2.2.6**

2.51.1 Available under license

### **2.52 cxf-bundle 2.7.3**



2.52.1 Available under license

**2.53 d3.js n/a**

2.53.1 Available under license

**2.54 Data::Dumper 2.121**

2.54.1 Available under license

**2.55 dialog 1.2-20130928 :1**

2.55.1 Available under license

**2.56 Digest::SHA 5.96**

2.56.1 Available under license

**2.57 dojo 1.10.4**

2.57.1 Available under license

**2.58 dojo/mpl-1.0 1.10.4**

2.58.1 Available under license

**2.59 dojo/mpl-1.1 1.10.4**

2.59.1 Available under license

**2.60 dom4j 1.6.1**

2.60.1 Notifications

2.60.2 Available under license

**2.61 dom4j 1.6.1**

2.61.1 Available under license

**2.62 dragula 3.1.0**

2.62.1 Available under license

**2.63 expect 5.45**

2.63.1 Available under license

**2.64 Exporter 5.72**

2.64.1 Available under license

**2.65 File::chmod::Recursive 1.0.3**

2.65.1 Available under license

**2.66 File::Path 2.12**

2.66.1 Available under license

**2.67 font-awesome 3.2.1**

2.67.1 Available under license

**2.68 gridx 1.1**

2.68.1 Available under license

**2.69 handlebars 3.0.3**

2.69.1 Available under license

**2.70 htmlparser 1.0.5**

2.70.1 Available under license

**2.71 HTTP::Request 6.11**

- 2.71.1 Available under license
- 2.72 ICU4J 2.6.1**
  - 2.72.1 Available under license
- 2.73 itext 2.1.0**
  - 2.73.1 Available under license
- 2.74 Jackson 1.5.5**
  - 2.74.1 Available under license
- 2.75 jackson-annotations 2.1.2**
  - 2.75.1 Available under license
- 2.76 jackson-core-asl 1.9.13**
  - 2.76.1 Available under license
- 2.77 Java Activation API 1.1.0**
  - 2.77.1 Available under license
- 2.78 JavaMail 1.4 1.6**
  - 2.78.1 Available under license
- 2.79 Javassist 3.9.0.GA**
  - 2.79.1 Available under license
- 2.80 JAXB IMPL 2.1.7**
  - 2.80.1 Available under license
- 2.81 jaxb-api 2.1**
  - 2.81.1 Available under license
- 2.82 Jaxen 1.1**
  - 2.82.1 Available under license
- 2.83 jersey-bundle 1.9-ea07**
  - 2.83.1 Available under license
- 2.84 jersey-client 1.8**
  - 2.84.1 Available under license
- 2.85 jersey-core 1.12**
  - 2.85.1 Available under license
- 2.86 jettison 1.2**
  - 2.86.1 Available under license
- 2.87 jQuery 1.11.3**
  - 2.87.1 Available under license
- 2.88 json2csv 3.2.0**
  - 2.88.1 Available under license
- 2.89 jsr311-api 1.0**
  - 2.89.1 Available under license
- 2.90 jstl 1.2**
  - 2.90.1 Available under license

- 2.91 jta 1.1**
  - 2.91.1 Available under license
- 2.92 Log4j 1.2.15**
  - 2.92.1 Available under license
- 2.93 LWP (perl) 6.15**
  - 2.93.1 Available under license
- 2.94 ncclient 0.4.7**
  - 2.94.1 Available under license
- 2.95 neethi 2.0.4**
  - 2.95.1 Available under license
- 2.96 Net::TacacsPlus 1.10**
  - 2.96.1 Available under license
- 2.97 ng-password-strength 0.3.0**
  - 2.97.1 Available under license
- 2.98 objectpath 1.0.5**
  - 2.98.1 Available under license
- 2.99 openntpd 20080406p :7**
  - 2.99.1 Available under license
- 2.100 org.springframework.aop 3.0.5.RELEASE**
  - 2.100.1 Available under license
- 2.101 org.springframework.aop 3.0.0.RELEASE**
  - 2.101.1 Available under license
- 2.102 org.springframework.asm 3.0.0.RELEASE**
  - 2.102.1 Available under license
- 2.103 org.springframework.asm 3.0.5.RELEASE**
  - 2.103.1 Available under license
- 2.104 org.springframework.beans 3.0.0.RELEASE**
  - 2.104.1 Available under license
- 2.105 org.springframework.beans 3.0.5.RELEASE**
  - 2.105.1 Available under license
- 2.106 org.springframework.beans 3.0.0.RELEASE**
  - 2.106.1 Available under license
- 2.107 org.springframework.context 3.0.5.RELEASE**
  - 2.107.1 Available under license
- 2.108 org.springframework.context 3.0.0.RELEASE**
  - 2.108.1 Available under license
- 2.109 org.springframework.core 3.0.5.RELEASE**
  - 2.109.1 Available under license
- 2.110 org.springframework.expression 3.0.0.RELEASE**

- 2.110.1 Available under license
- 2.111 org.springframework.expression 3.0.5.RELEASE**
  - 2.111.1 Available under license
- 2.112 org.springframework.security.core 3.0.0.RELEASE**
  - 2.112.1 Available under license
- 2.113 org.springframework.web 3.0.0.RELEASE**
  - 2.113.1 Available under license
- 2.114 org.springframework.web.servlet 3.0.0.RELEASE**
  - 2.114.1 Available under license
- 2.115 oro 2.0.8**
  - 2.115.1 Notifications
  - 2.115.2 Available under license
- 2.116 OSGI Core 1.2.0**
  - 2.116.1 Available under license
- 2.117 pacemaker 1.1.10+git20130802 :1ubuntu2.3**
  - 2.117.1 Available under license
- 2.118 password-generator 0.0.0 :3/9/2014**
  - 2.118.1 Available under license
- 2.119 perl-MIME-Base64 3.15**
  - 2.119.1 Available under license
- 2.120 phantomjs 1.9.1**
  - 2.120.1 Available under license
- 2.121 python-six 1.9.0**
  - 2.121.1 Available under license
- 2.122 pyvmomi 5.5.0.2014.1.1**
  - 2.122.1 Available under license
- 2.123 react 0.13.3**
  - 2.123.1 Available under license
- 2.124 Requests 2.5.3**
  - 2.124.1 Available under license
- 2.125 RequireJS 2.1.18**
  - 2.125.1 Available under license
- 2.126 servlet-api 2.5**
  - 2.126.1 Available under license
- 2.127 SLF4J LOG4J-12 Binding 1.5.8.PATCHED**
  - 2.127.1 Available under license
- 2.128 slf4j-api 1.5.8**
  - 2.128.1 Available under license
- 2.129 slf4j-simple 1.5.8**

- 2.129.1 Available under license
- 2.130 Spring Core 3.0.0.RELEASE**
  - 2.130.1 Available under license
- 2.131 Spring Framework Context 3.0.0**
  - 2.131.1 Available under license
- 2.132 Spring Framework Core 3.0.0**
  - 2.132.1 Available under license
- 2.133 Spring Framework Expression 3.0.0**
  - 2.133.1 Available under license
- 2.134 Spring Security - Core 3.0.0.RELEASE**
  - 2.134.1 Available under license
- 2.135 Spring Security - Web Application Security Module 3.0.0.RELEASE**
  - 2.135.1 Available under license
- 2.136 Spring Security Config 3.0.0**
  - 2.136.1 Available under license
- 2.137 Spring Web Struts 3.0.0**
  - 2.137.1 Available under license
- 2.138 spring-aop 3.0.0.RELEASE**
  - 2.138.1 Available under license
- 2.139 spring-asm 3.0.0.RELEASE**
  - 2.139.1 Available under license
- 2.140 spring-asm 3.0.0.RELEASE**
  - 2.140.1 Available under license
- 2.141 spring-beans 3.0.0.RELEASE**
  - 2.141.1 Available under license
- 2.142 spring-context 3.0.0.RELEASE**
  - 2.142.1 Available under license
- 2.143 spring-core 3.0.0.RELEASE**
  - 2.143.1 Available under license
- 2.144 spring-expression 3.0.0.RELEASE**
  - 2.144.1 Available under license
- 2.145 spring-tx 3.0.0.RELEASE**
  - 2.145.1 Available under license
- 2.146 spring-tx 3.0.0.RELEASE**
  - 2.146.1 Available under license
- 2.147 spring-web 3.0.5 :RELEASE**
  - 2.147.1 Available under license
- 2.148 spring-web 3.0.0.RELEASE**
  - 2.148.1 Available under license

## **2.149 Springframework 3.0.4**

2.149.1 Available under license

## **2.150 Springframework aop 3.0.0**

2.150.1 Available under license

## **2.151 stax 1.0.1**

2.151.1 Available under license

## **2.152 StAX API 1.0.1**

2.152.1 Available under license

## **2.153 stax-api 1.0-2**

2.153.1 Available under license

## **2.154 String::Util 1.23**

2.154.1 Available under license

## **2.155 struts-core 1.3.10**

2.155.1 Available under license

## **2.156 struts-extras 1.3.10**

2.156.1 Available under license

## **2.157 struts-taglib 1.3.10**

2.157.1 Available under license

## **2.158 struts-tiles 1.3.10**

2.158.1 Available under license

## **2.159 Tie::File 0.96**

2.159.1 Available under license

## **2.160 Try::Tiny 0.27**

2.160.1 Available under license

## **2.161 tv4 1.0.17**

2.161.1 Available under license

## **2.162 Ubuntu 16.04.1 Server ISO 16.04.1**

2.162.1 GNU GENERAL PUBLIC LICENSE Version 2

2.162.2 GNU LESSER GENERAL PUBLIC LICENSE Version 2.1

2.162.3 GNU GENERAL PUBLIC LICENSE Version 3

2.162.4 GNU LESSER GENERAL PUBLIC LICENSE Version 3

## **2.163 underscore 1.8.3**

2.163.1 Available under license

## **2.164 vinyl 0.5.1**

2.164.1 Available under license

## **2.165 vinyl-source-stream 1.1.0**

2.165.1 Available under license

## **2.166 WSDL4j 1.6.2**

2.166.1 Available under license

## **2.167 wstx-asl 3.2.9**

2.167.1 Available under license

## **2.168 xalan 2.6.0**

2.168.1 Available under license

## **2.169 xalan 2.6.0**

2.169.1 Available under license

## **2.170 xerces java parser 2.6.2**

2.170.1 Notifications

2.170.2 Available under license

## **2.171 Xerces2 Java Parser 2.8.1**

2.171.1 Available under license

## **2.172 xercesImplendorsed 2.6.2**

2.172.1 Notifications

2.172.2 Available under license

## **2.173 XML Commons External Components XML APIs 1.0.b2**

2.173.1 Notifications

2.173.2 Available under license

## **2.174 xml-apis 1.3.04**

2.174.1 Available under license

## **2.175 xml-apis 1.3.04**

2.175.1 Available under license

## **2.176 xmlbean 2.4.0**

2.176.1 Available under license

## **2.177 xmlParserAPIs (Xerces-J) 2.6.2**

2.177.1 Available under license

## **2.178 XmlSchema 1.4.5**

2.178.1 Available under license

## **2.179 xom 1.0**

2.179.1 Available under license

## **2.180 XStream 1.3.1**

2.180.1 Available under license

## **2.181 yavijava 6.0.03**

2.181.1 Available under license

## **XRNC and VTF 2.4.2 2.4.2**

### **3.1 accountsservice 0.6.35 :0ubuntu7.2**

3.1.1 Available under license

### **3.2 acl 2.2.52-1 :1**

3.2.1 Available under license

### **3.3 adduser 3.113+nmu3ubuntu3 :nmu3ubuntu3**

3.3.1 Available under license

### **3.4 alsa-lib 1.0.27.2 :3ubuntu7**

3.4.1 Available under license

### **3.5 apparmor 2.8.95 :2430-0ubuntu5.3**

3.5.1 Available under license

### **3.6 apt 1.0.1ubuntu2.6**

3.6.1 Available under license

### **3.7 apt 1.0.1ubuntu2.11**

3.7.1 Available under license

### **3.8 apt-xapian-index 0.45ubuntu4**

3.8.1 Available under license

### **3.9 aptitude 0.6.8.2-1ubuntu4 :1ubuntu4**

3.9.1 Available under license

### **3.10 attr 1:2.4.47-1ubuntu1 :1ubuntu1**

3.10.1 Available under license

### **3.11 audit 1:2.3.2-2ubuntu1 :2ubuntu1**

3.11.1 Available under license

### **3.12 audit 2.3.2 :2ubuntu1**

3.12.1 Available under license

### **3.13 augeas 1.2.0 :0ubuntu1.1**

3.13.1 Available under license

### **3.14 autogen 1:5.18 :2ubuntu2**

3.14.1 Available under license

### **3.15 avahi 0.6.31-4ubuntu1**

3.15.1 Available under license

### **3.16 base-files 7.2ubuntu5.4**

3.16.1 Available under license

### **3.17 base-files 7.2ubuntu5.2**

3.17.1 Available under license

### **3.18 base-passwd 3.5.33**

3.18.1 Available under license

### **3.19 bash 4.3-7ubuntu1.5 :7ubuntu1.5**

3.19.1 Available under license

### **3.20 bash 4.3-7ubuntu1 :7ubuntu1**

3.20.1 Available under license

### **3.21 bash-completion 1:2.1-4 :4**

3.21.1 Available under license

### **3.22 bind9 1:9.9.5.dfsg-3 :3**



- 3.22.1 Available under license
- 3.23 binutils 2.24-5ubuntu3 :5ubuntu3**
  - 3.23.1 Available under license
- 3.24 biosdevname 0.4.1-0ubuntu6.1**
  - 3.24.1 Available under license
- 3.25 bluez 4.101 :0ubuntu13**
  - 3.25.1 Available under license
- 3.26 Boost C++ library 1.54.0**
  - 3.26.1 Available under license
- 3.27 Boost C++ library - caramel 1.54.0**
  - 3.27.1 Notifications
  - 3.27.2 Available under license
- 3.28 bridge-utils 1.5 :6ubuntu2**
  - 3.28.1 Available under license
- 3.29 brlty 5.0 :2ubuntu2**
  - 3.29.1 Available under license
- 3.30 bsdmainutils 9.0.5ubuntu1**
  - 3.30.1 Available under license
- 3.31 build-essential 11.6ubuntu6**
  - 3.31.1 Available under license
- 3.32 busybox 1.21.0 :1ubuntu1**
  - 3.32.1 Available under license
- 3.33 busybox 1:1.21.0-1ubuntu1 :1ubuntu1**
  - 3.33.1 Available under license
- 3.34 bzip2 1.0.6**
  - 3.34.1 Available under license
- 3.35 bzip2 1.0.6-5 :5**
  - 3.35.1 Available under license
- 3.36 ca-certificates 20160104ubuntu0.14.04.1**
  - 3.36.1 Available under license
- 3.37 cdebconf 0.187ubuntu1**
  - 3.37.1 Available under license
- 3.38 ceph 0.80.11 :0ubuntu1.14.04.1**
  - 3.38.1 Available under license
- 3.39 cffi 0.8.6**
  - 3.39.1 Available under license
- 3.40 cgmanager 0.24-0ubuntu5**
  - 3.40.1 Available under license
- 3.41 cgroup-lite 1.9**

- 3.41.1 Available under license
- 3.42 characteristic 14.2.0**
  - 3.42.1 Available under license
- 3.43 chardet 2.0.1 :2build2**
  - 3.43.1 Available under license
- 3.44 cloog 0.18.2 :1**
  - 3.44.1 Available under license
- 3.45 cluster-glue 1.0.11+hg2754 :1.1build1**
  - 3.45.1 Available under license
- 3.46 command-not-found 0.3ubuntu12**
  - 3.46.1 Available under license
- 3.47 console-setup 1.70ubuntu8**
  - 3.47.1 Available under license
- 3.48 consolekit 0.4.5-3.1ubuntu2**
  - 3.48.1 Available under license
- 3.49 coreutils 8.21-1ubuntu5**
  - 3.49.1 Available under license
- 3.50 corosync 2.3.3 :1ubuntu1**
  - 3.50.1 Available under license
- 3.51 cpio 2.11 :1ubuntu1**
  - 3.51.1 Available under license
- 3.52 cpio 2.11+dfsg-1ubuntu1.2 :1ubuntu1.2**
  - 3.52.1 Available under license
- 3.53 cpu-checker 0.7 :0ubuntu4**
  - 3.53.1 Available under license
- 3.54 crda 1.1.2-1ubuntu2 :1ubuntu2**
  - 3.54.1 Available under license
- 3.55 crmsh 1.2.5+hg1034 :1ubuntu4**
  - 3.55.1 Available under license
- 3.56 cron 3.0pl1-124ubuntu2 :124ubuntu2**
  - 3.56.1 Available under license
- 3.57 Cryptography 0.6.1**
  - 3.57.1 Available under license
- 3.58 csh 20110502 :2ubuntu2**
  - 3.58.1 Available under license
- 3.59 curl 7.35.0 :1ubuntu2.1**
  - 3.59.1 Available under license
- 3.60 cwidget 0.5.16-3.5ubuntu1**
  - 3.60.1 Available under license

### **3.61 cyrus-sasl2 2.1.25.dfsg1-17build1 :17build1**

3.61.1 Available under license

### **3.62 dash 0.5.7**

3.62.1 Available under license

### **3.63 db5.3 5.3.28-3ubuntu3 :3ubuntu3**

3.63.1 Available under license

### **3.64 db5.3 5.3.28 :3ubuntu3**

3.64.1 Available under license

### **3.65 dbus 1.6.18-0ubuntu4 :0ubuntu4**

3.65.1 Available under license

### **3.66 dbus 1.6.18**

3.66.1 Available under license

### **3.67 dbus-glib 0.100.2-1 :1**

3.67.1 Available under license

### **3.68 dbus-python 1.2.0 :2build2**

3.68.1 Available under license

### **3.69 debconf 1.5.51ubuntu2**

3.69.1 Available under license

### **3.70 debianutils 4.4**

3.70.1 Available under license

### **3.71 device-tree-compiler 1.4.0+dfsg :1**

3.71.1 Available under license

### **3.72 dh-python 1.20140128-1ubuntu8 :1ubuntu8**

3.72.1 Available under license

### **3.73 dialog 1.2 :20130928-1**

3.73.1 Available under license

### **3.74 diffutils 1:3.3-1 :1**

3.74.1 Available under license

### **3.75 distlib 0.1.8 :1ubuntu1**

3.75.1 Available under license

### **3.76 dmidecode 2.12 :2**

3.76.1 Available under license

### **3.77 dnsmasq 2.68 :1ubuntu0.1**

3.77.1 Available under license

### **3.78 dosfstools 3.0.26-1 :1**

3.78.1 Available under license

### **3.79 dpkg 1.17.5ubuntu5.3**

3.79.1 Available under license

### **3.80 dpkg 1.17.5ubuntu5.5**

- 3.80.1 Available under license
- 3.81 e2fsprogs 1.42.9 :3ubuntu1.3**
  - 3.81.1 Available under license
- 3.82 e2fsprogs 1.42.9-3ubuntu1 :3ubuntu1**
  - 3.82.1 Available under license
- 3.83 ebttables 2.0.10.4 :3ubuntu1**
  - 3.83.1 Available under license
- 3.84 ed 1.9 :2**
  - 3.84.1 Available under license
- 3.85 egenix-mx-base 3.2.7 :1build1**
  - 3.85.1 Available under license
- 3.86 eglibc 2.19-0ubuntu6.5**
  - 3.86.1 Available under license
- 3.87 eject 2.1.5+deb1+cvs20081104-13.1**
  - 3.87.1 Available under license
- 3.88 elfutils 0.158 :0ubuntu5**
  - 3.88.1 Available under license
- 3.89 ethtool 3.13 :1**
  - 3.89.1 Available under license
- 3.90 expat 2.1.0-4ubuntu1 :4ubuntu1**
  - 3.90.1 Available under license
- 3.91 fakeroot 1.20 :3ubuntu2**
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  - 3.347.1 Available under license
- 3.348 readline6 6.3-4ubuntu2 :4ubuntu2**
  - 3.348.1 Available under license
- 3.349 readline6 6.3 :4ubuntu2**
  - 3.349.1 Available under license
- 3.350 requests 2.2.1 :1**
  - 3.350.1 Available under license
- 3.351 resolvconf 1.69ubuntu1.1**
  - 3.351.1 Available under license
- 3.352 resource-agents 1:3.9.3+git20121009 :3ubuntu2**
  - 3.352.1 Available under license
- 3.353 rsync 3.1.0-2ubuntu0.1 :2ubuntu0.1**
  - 3.353.1 Available under license
- 3.354 rsyslog 7.4.4 :1ubuntu2.1**
  - 3.354.1 Available under license
- 3.355 rtmpdump 2.4+20121230.gitdf6c518-1 :1**
  - 3.355.1 Available under license
- 3.356 seabios 1.7.4 :4**
  - 3.356.1 Available under license
- 3.357 sed 4.2.2-4ubuntu1 :4ubuntu1**

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**3.358 sensible-utils 0.0.9**

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**3.359 service\_identity 14.0.0**

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**3.360 sgml-base 1.26 :nmu4ubuntu1**

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**3.361 shadow 1:4.1.5.1-1ubuntu9 :1ubuntu9**

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**3.362 shared-mime-info 1.2 :0ubuntu3**

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**3.363 sharutils 1:4.14 :1ubuntu1**

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**3.364 six 1.5.2-1 :1**

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**3.365 six 1.8.0**

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**3.366 slang2 2.2.4-15ubuntu1 :15ubuntu1**

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**3.367 spice 0.12.4-0nocelt2 :0nocelt2**

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**3.368 sqlalchemy 0.8.4 :1build1**

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**3.369 sqlite 3.8.2 :1ubuntu2.1**

3.369.1 Available under license

**3.370 sqlite3 3.8.2-1ubuntu2 :1ubuntu2**

3.370.1 Available under license

**3.371 ssh-import-id 3.21-0ubuntu1 :0ubuntu1**

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**3.372 strace 4.8 :1ubuntu5**

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**3.373 sudo 1.8.9p5-1ubuntu1 :1ubuntu1**

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**3.374 sudo 1.8.9p5 :1ubuntu1.2**

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**3.375 systemd 204-5ubuntu20.2 :5ubuntu20.2**

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**3.376 systemd-shim 6 :2bzd1**

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**3.380 tasksel 2.88ubuntu15**

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**3.381 tcpd 7.6.q-25**

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**3.382 tcpdump 4.5.1 :2ubuntu1**

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**3.383 texinfo 5.2. :2**

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**3.384 tftp-hpa 5.2 :7ubuntu3**

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**3.387 twisted 14.0.2**

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**3.388 tzdata 2015g**

**3.389 tzdata 2015a :0ubunt0.14.04**

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**3.390 ubuntu-keyring 2012.05.19**

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**3.391 ubuntu-meta 1.325**

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**3.392 ubuntu-release-upgrader 1:0.220.8**

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**3.393 ucf 3.0027+nmu1 :nmu1**

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**3.394 ufw 0.34~rc-0ubuntu2 :0ubuntu2**

3.394.1 Available under license

**3.395 ujson 1.34**

3.395.1 Available under license

**3.396 update-manager 1:0.196.14**

3.396.1 Available under license

- 3.397 upstart 1.12.1 :0ubuntu4.2**
  - 3.397.1 Available under license
- 3.398 ureadahead 0.100.0-16 :16**
  - 3.398.1 Available under license
- 3.399 usbredir 0.6 :2ubuntu1**
  - 3.399.1 Available under license
- 3.400 usbutils 1:007-2ubuntu1 :2ubuntu1**
  - 3.400.1 Available under license
- 3.401 ustr 1.0.4-3ubuntu2 :3ubuntu2**
  - 3.401.1 Available under license
- 3.402 util-linux 2.20.1-5.1ubuntu20 :5.1ubuntu20**
  - 3.402.1 Available under license
- 3.403 util-linux 2.20.1 :5.1ubuntu20**
  - 3.403.1 Available under license
- 3.404 vbetool 1.1 :3**
  - 3.404.1 Available under license
- 3.405 vim 2:7.4.052-1ubuntu3 :1ubuntu3**
  - 3.405.1 Available under license
- 3.406 watershed 7**
  - 3.406.1 Available under license
- 3.407 wget 1.15 :1ubuntu1**
  - 3.407.1 Available under license
- 3.408 wheel 0.24.0 :1~ubuntu1**
  - 3.408.1 Available under license
- 3.409 wireless-regdb 2013.02.13-1ubuntu1 :1ubuntu1**
  - 3.409.1 Available under license
- 3.410 xapian-bindings 1.2.16 :2ubuntu1**
  - 3.410.1 Available under license
- 3.411 xapian-core 1.2.16 :2ubuntu1**
  - 3.411.1 Available under license
- 3.412 xauth 1.0.7 :1ubuntu1**
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- 3.413 xen 4.4.2 :0ubuntu0.14.04.3**
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- 3.414 xkeyboard-config 2.10.1-1ubuntu1 :1ubuntu1**
  - 3.414.1 Available under license
- 3.415 xkeyboard-config 2.10.1 :1ubuntu1**
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- 3.416 xml-core 0.13 :nmu2**

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  - 3.420.1 Available under license
- 3.421 zope.interface 4.0.5 :1ubuntu4**
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```
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 * Version: 0.4.16  
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## 2.18 Annotation 1.0 1.1.1

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The primary ANTLR guy:

Terence Parr  
<http://www.jGuru.com>  
[parrt@jguru.com](mailto:parrt@jguru.com)

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\*/

package org.apache.commons.codec;

/\*\*

\* Defines common decoding methods for byte array decoders.

```

*
* @author Apache Software Foundation
* @version $Id: BinaryDecoder.java,v 1.10 2004/06/15 18:14:15 ggregory Exp $
*/
public interface BinaryDecoder extends Decoder {

    /**
     * Decodes a byte array and returns the results as a byte array.
     *
     * @param pArray A byte array which has been encoded with the
     *     appropriate encoder
     *
     * @return a byte array that contains decoded content
     *
     * @throws DecoderException A decoder exception is thrown
     *     if a Decoder encounters a failure condition during
     *     the decode process.
     */
    byte[] decode(byte[] pArray) throws DecoderException;
}

```

The commons-codec team is pleased to announce the Codec 1.3 release!

<http://jakarta.apache.org/commons/codec/>

The codec package contains simple encoder and decoders for various formats such as Base64 and Hexadecimal. In addition to these widely used encoders and decoders, the codec package also maintains a collection of phonetic encoding utilities.

Changes in this version include:

New Features:

- o BinaryCodec: Encodes and decodes binary to and from Strings of 0s and 1s. Issue: 27813. Thanks to Alex Karasulu.
- o QuotedPrintableCodec: Codec for RFC 1521 MIME (Multipurpose Internet Mail Extensions) Part One. Rules #3, #4, and #5 of the quoted-printable spec are not implemented yet. See also issue 27789. Issue: 26617. Thanks to Oleg Kalnichevski.
- o BCodec: Identical to the Base64 encoding defined by RFC 1521 and allows a character set to be specified. Issue: 26617. Thanks to Oleg Kalnichevski.
- o QCodec: Similar to the Quoted-Printable content-transfer-encoding defined in RFC 1521 and designed to allow text containing mostly ASCII characters to be decipherable on an ASCII terminal without decoding. Issue: 26617. Thanks to Oleg Kalnichevski.
- o Soundex: Implemented the DIFFERENCE algorithm. Issue: 25243. Thanks to Matthew Inger.

o RefinedSoundex: Implemented the DIFFERENCE algorithm. Issue: 25243. Thanks to Matthew Inger.

Fixed bugs:

o The default URL encoding logic was broken. Issue: 25995. Thanks to Oleg Kalnichevski.

o Base64 chunked encoding not compliant with RFC 2045 section 2.1 CRLF. Issue: 27781. Thanks to Gary D. Gregory.

o Hex converts illegal characters to 255. Issue: 28455.

o Metaphone now correctly handles a silent B in a word that ends in MB.

"COMB" is encoded as "KM", before this fix "COMB" was encoded as "KMB". Issue: 28457.

o Added missing tags in Javadoc comments.

o General Javadoc improvements.

Changes:

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o The Board recommendation to remove Javadoc author tags has been implemented. All author tags are now "Apache Software Foundation".

Have fun!

-The commons-codec team

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- javaee\_web\_services\_1\_2.xsd
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- javaee\_6.xsd
- javaee\_web\_services\_1\_3.xsd
- javaee\_web\_services\_client\_1\_3.xsd
- jsp\_2\_2.xsd
- web-app\_3\_0.xsd
- web-common\_3\_0.xsd
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- javaee\_5.xsd
- javaee\_web\_services\_1\_2.xsd
- javaee\_web\_services\_client\_1\_2.xsd
- javaee\_6.xsd
- javaee\_web\_services\_1\_3.xsd
- javaee\_web\_services\_client\_1\_3.xsd
- jsp\_2\_2.xsd
- web-app\_3\_0.xsd
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## 2.30 aspectjrt 1.6.5

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## 2.31 Axiom API 1.2.7

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## 2.32 Axiom Impl 1.2.7

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```
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```

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```
org.mozilla.javascript.tools.debugger.downloaded.AbstractCellEditor.java  
org.mozilla.javascript.tools.debugger.downloaded.JTreeTable.java  
org.mozilla.javascript.tools.debugger.downloaded.TreeTableModel.java  
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go-previous.png  
icon-general.png (originally preferences-desktop.png)  
icon-language.png (originally preferences-desktop-locale.png)  
icon-network.png (originally applications-internet.png)  
icon-security.png (originally dialog-warning.png)  
icon-stylesheet.png (originally applications-graphics.png)  
media-playback-pause.png  
media-playback-start.png  
process-stop.png  
redo.png (modified version of edit-redo.png)  
system-search.png  
text-html.png  
undo.png (modified version of edit-undo.png)  
utilities-system-monitor.png  
view-refresh.png  
window-new.png

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File Original filename

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zoom-in.png viewmag+.png  
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, 1 April 1989

Ty Coon, President of Vice

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## 2.47 corosync 2.3.3 :1ubuntu1

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Mainly packaged by Fabio M. Di Nitto <fabbione@ubuntu.com>.

It was downloaded from <http://corosync.org>

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exec/crypto.c:

exec/crypto.h:

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```
include/corosync/jhash.h:
```

```
/* Copyright (C) 1996 Bob Jenkins (bob_jenkins@burtleburtle.net)
 *
 * http://burtleburtle.net/bob/hash/
 *
 * These are the credits from Bob's sources:
 *
 * lookup2.c, by Bob Jenkins, December 1996, Public Domain.
 * hash(), hash2(), hash3, and mix() are externally useful functions.
 * Routines to test the hash are included if SELF_TEST is defined.
 * You can use this free for any purpose. It has no warranty.
 *
 * Copyright (C) 2003 David S. Miller (davem@redhat.com)
 *
 * I've modified Bob's hash to be useful in the Linux kernel, and
 * any bugs present are surely my fault. -DaveM
 */
```

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```

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, 1 April 1989
Ty Coon, President of Vice
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- WSDL4J (<http://sf.net/projects/wsdl4j>) wsdl4j:wsdl4j:jar:1.6.2  
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- javax.ws.rs-api (<http://jax-rs-spec.java.net>) javax.ws.rs:javax.ws.rs-api:jar:2.0-m10  
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- Simple Logging Facade for Java - API (<http://www.slf4j.org/slf4j-api>) org.slf4j:slf4j-api:jar:1.6.2:runtime  
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From: 'Sun Microsystems' (<http://www.sun.com/>)

- Sun JAXB Reference Implementation Runtime (<https://jaxb.dev.java.net/jaxb-impl>) com.sun.xml.bind:jaxb-impl:jar:2.1.13:compile

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- Apache CXF JAX-RS Extensions: Providers (<http://cxf.apache.org>) org.apache.cxf:cxf-rt-rs-extension-providers:jar:2.7.3

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- XmlSchema Core (<http://ws.apache.org/commons/xmlschema20/xmlschema-core/>)  
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## 2.53 d3.js n/a

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## 2.54 Data::Dumper 2.121

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```
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```

```
, 1 April 1989
```

```
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## 2.55 dialog 1.2-20130928 :1

### 2.55.1 Available under license :

Upstream source <http://invisible-island.net/dialog/dialog.html>

Current dialog upstream maintainer: Thomas Dickey <[dickey@invisible-island.net](mailto:dickey@invisible-island.net)>

-----  
Files: \*.c \*.h

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An earlier version of this program lists as authors Savio Lam (lam836@cs.cuhk.hk)

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Files: aclocal.m4

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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.

Files: debian/\*

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Version 2.1, February 1999

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That's all there is to it!

This is the Debian prepackaged version of Savio Lam's dialog utility.  
This program enables the presentation of a variety of questions  
or display messages using dialog boxes from a shell script. This release  
is currently maintained by Thomas Dickey <dickey@invisible-island.net>

This Debian package was first created by Leland Lucius <llucius@debian.org>.

The source for this release was obtained from:

<ftp://invisible-island.net/dialog/dialog-1.2-20130928.tgz>

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```
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program `Gnomovision' (a program to direct compilers to make passes
at assemblers) written by James Hacker.
```

```
, 1 April 1989
Ty Coon, President of Vice
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## 2.57 dojo 1.10.4

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## 2.59 dojo/mpl-1.1 1.10.4

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## 2.63 expect 5.45

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Expect

Written by: Don Libes, libes at nist.gov, NIST

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/\*

\* regcomp and regexec -- regsub and regerror are elsewhere

\*

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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.

\*

\* \*\*\* NOTE: this code has been altered slightly for use in Tcl. \*\*\*

\* \*\*\* The only change is to use ckalloc and ckfree instead of \*\*\*

\* \*\*\* malloc and free. \*\*\*

\* \*\*\* and again for Expect!!! - DEL

\* \*\*\* More minor corrections stolen from tcl7.5p1/regexp.c - DEL

\*/

## 2.64 Exporter 5.72

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```
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```

, 1 April 1989

Ty Coon, President of Vice

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## 2.65 File::chmod::Recursive 1.0.3

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```

```
<signature of Ty Coon>, 1 April 1989
Ty Coon, President of Vice
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## 2.72 ICU4J 2.6.1

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```
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## 2.77 Java Activation API 1.1.0

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## 2.78 JavaMail 1.4 1.6

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## 2.81 jaxb-api 2.1

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## 2.88 json2csv 3.2.0

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## 2.92 Log4j 1.2.15

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## 2.93 LWP (perl) 6.15



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## 2.96 Net::TacacsPlus 1.10

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## 2.106 org.springframework.beans

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## 2.108 org.springframework.context

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## 2.112 org.springframework.security.core

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## 2.113 org.springframework.web

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## 2.118 password-generator 0.0.0 :3/9/2014

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## 2.120 phantomjs 1.9.1

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Version 3, 29 June 2007

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## 2.138 spring-aop 3.0.0.RELEASE

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## 2.139 spring-asm 3.0.0.RELEASE

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ASM: a very small and fast Java bytecode manipulation framework

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## 2.140 spring-asm 3.0.0.RELEASE

### 2.140.1 Available under license :

Link to license in SpringSource repository broken. Opened a case with SpringSource support:

Linda Shonk (lshonk)

From: Yathiraj Udupi (yudupi)

Sent: Friday, August 06, 2010 7:14 AM

To: Yathiraj Udupi (yudupi); Linda Shonk (lshonk)

Subject: RE: Incident (case 9815) - URGENT: License files missing for Springframework modules in Springsource Enterprise Repository

Also Linda,

Just to clarify, what they mean by Spring projects is that - all `org.springframework.XXXX` modules, such as `org.springframework.beans`, `org.springframework.asm`, etc.

All the other third party jars distributed by springsource in the enterprise repository are named with a prefix `org.springframework.XXXX` for e.g. `org.springframework.organtlr` and they have their own separate licenses.

Thanks,

Yathi.

From: Yathiraj Udupi (yudupi)

Sent: Friday, August 06, 2010 7:00 AM

To: Linda Shonk (lshonk)

Subject: RE: Incident (case 9815) - URGENT: License files missing for Springframework modules in Springsource

Enterprise Repository

Hi Linda,

It should be the same Apache license for all Spring framework modules for all versions. So you should be fine. But in

the shipping XMP platform, we don't have any 3.0.1.RELEASE versions for any spring components.

message from springsource ?

?All Spring projects are licensed under the terms of the Apache License, Version 2.0. You may download the Apache License using the link below:

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Let me know if you have further questions.

Regards,

Lou-ann

?

2

Thanks,

Yathi.

From: Linda Shonk (lshonk)

Sent: Thursday, August 05, 2010 12:37 PM

To: Yathiraj Udupi (yudupi)

Subject: FW: Incident (case 9815) - URGENT: License files missing for Springframework modules in Springsource

Enterprise Repository

Got it okay for the 3.0.0 release. The 3.0.1 Release is also missing license information in the repository.

Linda

From: SpringSource Support [mailto:support@springsource.com]

Sent: Thursday, August 05, 2010 8:03 AM

To: Yathiraj Udupi (yudupi)

Cc: Linda Shonk (lshonk); Andrew Ballantyne (aballant)

Subject: Incident (case 9815) - URGENT: License files missing for Springframework modules in Springsource

Enterprise

Repository

Please do not reply to this email, login to [http://support.springsource.com/spring\\_account](http://support.springsource.com/spring_account) and update your incident at [http://support.springsource.com/spring\\_support\\_client\\_getIncidentById/9815](http://support.springsource.com/spring_support_client_getIncidentById/9815)

Reference # 9815

Subject: URGENT: License files missing for Springframework modules in Springsource Enterprise Repository

-----  
Product: Spring Modules

Sub product: Other

Severity: Development

Date Created: 2010-08-03 21:19:19

Last Updated: 2010-08-05 03:27:03

Status: Pending Customer FB

Version: 3.0.0.RELE

Platform: Other

CC: lshonk@cisco.com, aballant@cisco.com

Discussion Thread

-----  
Yathiraj Udupi on 2010-08-05 15:03:27:

Thanks Lou-ann for your response.

on 2010-08-05 05:36:54:

Hi Yathiraj,

Were you able check the link to the Apache license? I am coordinating with repository admin to fix the licenses

3

on the SpringSource repository. For the mean time, you may use the link that I sent in my last response to get the license for Spring 3.0.x

Let me know if you have further questions.

Regards,

Lou-ann

on 2010-08-04 12:00:17:

Hi Yathiraj,

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Let me know if you have further questions.

Regards,

Lou-ann

on 2010-08-04 00:14:46:

Hi Yathiraj,

I will look into this and will get back to you.

Regards,

Lou-ann

Yathiraj Udipi on 2010-08-03 21:19:19:

Hi,

We need to update the license information in our company License portal, for the Spring bundles that are shipped in Springsource dm Server 2.0, in the repository/ext folder.

This is required URGENTLY, so that we can ship our release.

When we look for the license file link from the Springsource enterprise repository, we get an error.

For example,

<http://www.springsource.com/repository/app/bundle/version/detail?name=org.springframework.asm&version=3.0.0.RELEASE>

In the above link, the License hyperlink gives an error. Similarly we need the licence for all 3.0.0.RELEASE versioned Springframework module jars such as ASM, Beans, Context, Expression, JDBC, Test, Web, and others included in the repository/ext folder. All the "License" links for all of these modules throw an error like this -

<Error>

<Code>NoSuchKey</Code>

<Message>The specified key does not exist.</Message>

?

<Key>

ivy/bundles/release/org.springframework/org.springframework.asm/3.0.0.RELEASE/license-3.0.0.RELEASE.txt

</Key>

<RequestId>C36AA496B452C999</RequestId>

?

<HostId>

fdPz4L7hLvTnc8Do+aiWkb2Ck1Y6yu5ela3EueZ5p1ySr5w6Gcp0FgutiZxERJSp

</HostId>

</Error>

Can you please provide the license files for all of the Springframework modules in the repository/ext ?

Thanks,

Yathi.

Incident update link:

login to [http://support.springsource.com/spring\\_account](http://support.springsource.com/spring_account) and update your incident at

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## 2.149 Springframework 3.0.4

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## 2.154 String::Util 1.23

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

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```

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```
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under certain conditions; type `show c' for details.
```

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```
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'Gnomovision' (which makes passes at compilers) written by James Hacker.
```

```
<signature of Ty Coon>, 1 April 1989
```

Ty Coon, President of Vice

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## 2.160 Try::Tiny 0.27

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Version 3, 19 November 2007

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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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This option is useful when you wish to copy part of the code of

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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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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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## 2.181 yavijava 6.0.03

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Upstream-Contact: Matthias Clasen <mclasen@redhat.com>

Source: <http://cgit.freedesktop.org/accountsservice/>

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src/libaccountsservice/act-user.\*

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## 3.5 apparmor 2.8.95 :2430-0ubuntu5.3

### 3.5.1 Available under license :

Format: <http://svn.debian.org/wsvn/dep/web/deps/dep5.mdwn?op=file&rev=166>

Upstream-Name: AppArmor

Upstream-Contact: [apparmor@lists.ubuntu.com](mailto:apparmor@lists.ubuntu.com)

Source: <https://launchpad.net/apparmor>

Files: \*

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Files: `changehat/pam_apparmor/*`

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```
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```

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# 3.10 attr 1:2.4.47-1ubuntu1 :1ubuntu1

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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.

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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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.

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

- 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.
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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.)

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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.

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

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



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

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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.

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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.

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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.

It may happen that this requirement contradicts the license restrictions of other proprietary libraries that do not normally

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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:

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## 3.14 autogen 1:5.18 :2ubuntu2

### 3.14.1 Available under license :

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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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#### 1. Source Code.

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

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

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```
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```

```
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(at your option) any later version.
```

```
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```
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```
<program> Copyright (C) by Bruce Korb - all rights reserved  
This program comes with ABSOLUTELY NO WARRANTY; for details type `show w'.  
This is free software, and you are welcome to redistribute it  
under certain conditions; type `show c' for details.
```

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## 3.15 avahi 0.6.31-4ubuntu1

### 3.15.1 Available under license :

```
#!/bin/sh
```

```
# This file is part of avahi.
```

```
#
```

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```

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

```
set -e
```

```
# Command line arguments:
# $1 event that happened:
#   BIND:   Successfully claimed address
#   CONFLICT: An IP address conflict happened
#   UNBIND: The IP address is no longer needed
#   STOP:   The daemon is terminating
# $2 interface name
# $3 IP address
```

```
# We have the BSD ifconfig tool
```

```
case "$1" in
BIND)
  ifconfig "$2" "$3"/16
  ;;
```

```
CONFLICT|STOP|UNBIND)
  ifconfig "$2" "$3"/16 delete
  ;;
```

```
*)
  echo "Unknown event $1" >&2
  exit 1
  ;;
esac
```

```
exit 0
```

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```

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```
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```

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```
Yoyodyne, Inc., hereby disclaims all copyright interest in the
program `Gnomovision' (a program to direct compilers to make passes
at assemblers) written by James Hacker.
```

```
<signature of Ty Coon>, 1 April 1989
Ty Coon, President of Vice
```

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```
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```

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```

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```

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## 3.17 base-files 7.2ubuntu5.2

## 3.17.1 Available under license :

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## 3.18 base-passwd 3.5.33

### 3.18.1 Available under license :

Format-Specification: <http://svn.debian.org/wsvn/dep/web/deps/dep5.mdwn?op=file&rev=135>

Name: base-passwd

Maintainer: Colin Watson <cjwatson@debian.org>

Files: update-passwd.c, man/\*

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Files: passwd.master, group.master

License: PD

X-Notes: Originally written by Ian Murdock <imurdock@debian.org> and Bruce Perens <bruce@pixar.com>.

Files: doc/\*

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## 3.19 bash 4.3-7ubuntu1.5 :7ubuntu1.5

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support/man2html.c

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## 3.21 bash-completion 1:2.1-4 :4

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Redistribution terms Automated Testing Framework

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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 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>

```
=====  
vim: filetype=text:textwidth=75:expandtab:shiftwidth=2:softtabstop=2  
<!--  
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-->  
  
<!-- $Id: copyright.xml,v 1.8 2009/07/10 23:47:58 tbox Exp $ -->  
  
<!-- 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="$isc.copyright.leader"/>  
  <xsl:value-of select="normalize-space(substring-before($text, '&#10;'))"/>  
  <xsl:text>&#10;</xsl:text>  
</xsl:template>
```



```

<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>
    Permission to use, copy, modify, and/or distribute this software for any
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  </xsl:text>

```

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```

</xsl:text>
</xsl:variable>

```

```

<xsl:variable name="isc.copyright">
  <xsl:call-template name="isc.copyright.format">
    <xsl:with-param name="text">
      <xsl:for-each select="/refentry/docinfo/copyright | /book/bookinfo/copyright">
        <xsl:text>Copyright (C) </xsl:text>
        <xsl:call-template name="copyright.years">
          <xsl:with-param name="years" select="year"/>
        </xsl:call-template>
        <xsl:text> </xsl:text>
        <xsl:value-of select="holder"/>
        <xsl:text> &#10;</xsl:text>
      </xsl:for-each>
      <xsl:value-of select="$isc.copyright.text"/>
    </xsl:with-param>
  </xsl:call-template>
</xsl:variable>

```

```

</xsl:stylesheet>

```

```

<!--
- Local variables:
- mode: sgml
- End:

```

-->

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## 3.23 binutils 2.24-5ubuntu3 :5ubuntu3

### 3.23.1 Available under license :

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@center GNU LESSER GENERAL PUBLIC LICENSE

@center TERMS AND CONDITIONS FOR COPYING, DISTRIBUTION AND MODIFICATION

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

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

The ``Library", below, refers to any such software library or work

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

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

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

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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.

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

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The modified work must itself be a software library.

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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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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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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.)

@end enumerate

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

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

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

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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.

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

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

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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.

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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:

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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.)

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

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

@end enumerate

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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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:

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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.

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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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and the section as a whole is intended to apply in other circumstances.

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@appendixsubsec How to Apply These Terms to Your New Libraries

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

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

@smallexample  
@var{one line to give the library's name and an idea of what it does.}  
Copyright (C) @var{year} @var{name of author}

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

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

@end smallexample

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

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

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

@var{signature of Ty Coon}, 1 April 1990  
Ty Coon, President of Vice  
@end smallexample

That's all there is to it!

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Version 3, 29 June 2007

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

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

For example, if you distribute copies of such a program, whether gratis or for a fee, you must pass on to the recipients the same freedoms that you received. You must make sure that they, too, receive or can get the source code. And you must show them these terms so they know their rights.

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

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

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

Finally, every program is threatened constantly by software patents.

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

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

## TERMS AND CONDITIONS

### 0. Definitions.

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

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

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

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

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

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

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

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

menu, a prominent item in the list meets this criterion.

## 1. Source Code.

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

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

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

The "Corresponding Source" for a work in object code form means all the source code needed to generate, install, and (for an executable work) run the object code and to modify the work, including scripts to control those activities. However, it does not include the work's System Libraries, or general-purpose tools or generally available free programs which are used unmodified in performing those activities but which are not part of the work. For example, Corresponding Source includes interface definition files associated with source files for the work, and the source code for shared libraries and dynamically linked subprograms that the work is specifically designed to require, such as by intimate data communication or control flow between those subprograms and other parts of the work.

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

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

## 2. Basic Permissions.

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You may charge any price or no price for each copy that you convey,

and you may offer support or warranty protection for a fee.

#### 5. Conveying Modified Source Versions.

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

- a) The work must carry prominent notices stating that you modified it, and giving a relevant date.
- b) The work must carry prominent notices stating that it is released under this License and any conditions added under section 7. This requirement modifies the requirement in section 4 to "keep intact all notices".
- c) You must license the entire work, as a whole, under this License to anyone who comes into possession of a copy. This License will therefore apply, along with any applicable section 7 additional terms, to the whole of the work, and all its parts, regardless of how they are packaged. This License gives no permission to license the work in any other way, but it does not invalidate such permission if you have separately received it.
- d) If the work has interactive user interfaces, each must display Appropriate Legal Notices; however, if the Program has interactive interfaces that do not display Appropriate Legal Notices, your work need not make them do so.

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

#### 6. Conveying Non-Source Forms.

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

- a) Convey the object code in, or embodied in, a physical product (including a physical distribution medium), accompanied by the



Corresponding Source fixed on a durable physical medium customarily used for software interchange.

b) Convey the object code in, or embodied in, a physical product (including a physical distribution medium), accompanied by a written offer, valid for at least three years and valid for as long as you offer spare parts or customer support for that product model, to give anyone who possesses the object code either (1) a copy of the Corresponding Source for all the software in the product that is covered by this License, on a durable physical medium customarily used for software interchange, for a price no more than your reasonable cost of physically performing this conveying of source, or (2) access to copy the Corresponding Source from a network server at no charge.

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

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

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

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

A "User Product" is either (1) a "consumer product", which means any tangible personal property which is normally used for personal, family, or household purposes, or (2) anything designed or sold for incorporation into a dwelling. In determining whether a product is a consumer product, doubtful cases shall be resolved in favor of coverage. For a particular

product received by a particular user, "normally used" refers to a typical or common use of that class of product, regardless of the status of the particular user or of the way in which the particular user actually uses, or expects or is expected to use, the product. A product is a consumer product regardless of whether the product has substantial commercial, industrial or non-consumer uses, unless such uses represent the only significant mode of use of the product.

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

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

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

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

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

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(This file is under construction.) -\*- text -\*-

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.

This file will eventually be deleted: The general info will go into



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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@appendixsec GNU LESSER GENERAL PUBLIC LICENSE

@cindex LGPL, Lesser General Public License

@center Version 2.1, February 1999

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@appendixsubsec Preamble

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@ifinfo

@center GNU LESSER GENERAL PUBLIC LICENSE

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```
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```

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```
@end smallexample
```

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```
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```

```
@var{signature of Ty Coon}, 1 April 1990
Ty Coon, President of Vice
@end smallexample
```

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BlueZ - Bluetooth protocol stack for Linux

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## 3.28 bridge-utils 1.5 :6ubuntu2

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Noted contributor of the driver for the Papenmeier Screen 2D Terminal. Thanks to the members of his team (Tibor Becker, Michael Burger, Herbert Gruber and Heimo Schn) who worked on this project at the Technical High School, Department for electrical engineering, Vienna, Austria.

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<one line to give the program's name and a brief idea of what it does.>  
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```
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Gnomovision comes with ABSOLUTELY NO WARRANTY; for details type `show w'.
This is free software, and you are welcome to redistribute it
under certain conditions; type `show c' for details.
```

The hypothetical commands ``show w'` and ``show c'` should show the appropriate parts of the General Public License. Of course, the commands you use may be called something other than ``show w'` and ``show c'`; they could even be mouse-clicks or menu items--whatever suits your program.

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```
Yoyodyne, Inc., hereby disclaims all copyright interest in the program
`Gnomovision' (which makes passes at compilers) written by James Hacker.
```

```
<signature of Ty Coon>, 1 April 1989
Ty Coon, President of Vice
```

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```
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```

```
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<signature of Ty Coon>, 1 April 1990  
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## 3.30 bsdmainutils 9.0.5ubuntu1

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This package was originally put together by Austin Donnelly  
<and1000@debian.org>, but is heavily based on bsduutils, originally put  
together by Ian Murdock <imurdock@gnu.ai.mit.edu>. Please report any  
problems or suggested additions or changes to Austin Donnelly.

Then the package has been maintained by Charles Briscoe-Smith  
<cpbs@debian.org>. I gathered data for the 1999-2001 calendar files  
from various sources on the Internet, and I'd also like to thank Oliver  
Elphick, Julian Gilbey, Daniel Martin and Jaldhar H. Vyas for providing  
much useful data on the various religious calendars. I have edited the  
files they provided to fit calendar's requirements, so any errors should  
be attributed to me.

After cpbs@debian.org, Marco d'Itri <md@linux.it> maintained it for

almost two years, before Tollef Fog Heen <tfheen@debian.org> took over.  
The package is now maintained by Graham Wilson <bob@decoy.wox.org>.

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## 3.31 build-essential 11.6ubuntu6

### 3.31.1 Available under license :

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Julian Seward, Cambridge, UK.

jseward@bzip.org

bzip2/libbzip2 version 1.0.4 of 20 December 2006

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Upstream-Name: ceph

Upstream-Contact: Sage Weil <sage@newdream.net>

Source: <http://ceph.com/>

Files: \*

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## 3.44 cloog 0.18.2 :1

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This package was first debianized by Paolo Molaro <lupus@debian.org> on Wed, 17 Nov 1999 17:30:23 +0100.

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'Network UPS Tools' by Russell Kroll <rkroll@exploits.org>  
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## 3.46 command-not-found 0.3ubuntu12

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It was downloaded via bzip from  
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## 3.47 console-setup 1.70ubuntu8

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```
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8x13B.bdf 8x13Bc.bdf 8x13.bdf 8x13c.bdf 8x13-IL2.bdf 8x13O.bdf
```

9x15B.bdf 9x15Bc.bdf 9x15.bdf 9x15c.bdf 9x15B-IL2.bdf 9x15-IL2.bdf  
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ter-u20b.bdf, ter-u20n.bdf, ter-u24b.bdf, ter-u24n.bdf,  
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100dpi-courR10-IL2.bdf 75dpi-courB12.bdf 75dpi-courB12c.bdf  
75dpi-courB12-IL2.bdf 75dpi-courB14.bdf 75dpi-courB14c.bdf  
75dpi-courB14-IL2.bdf 75dpi-courR12.bdf 75dpi-courR12c.bdf  
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100dpi-lutBS08-IL2.bdf 100dpi-lutBS12-IL2.bdf
100dpi-lutBS14-IL2.bdf 100dpi-lutBS14.bdf 100dpi-lutBS19-IL2.bdf
100dpi-lutRS10.bdf 100dpi-lutRS10-IL2.bdf 100dpi-lutRS08.bdf
100dpi-lutRS08-IL2.bdf 100dpi-lutRS14-IL2.bdf 100dpi-lutRS14.bdf
100dpi-lutRS19-IL2.bdf 75dpi-lutBS12.bdf 75dpi-lutBS12c.bdf
75dpi-lutBS12-IL2.bdf 75dpi-lutBS14.bdf 75dpi-lutBS14c.bdf
75dpi-lutBS14-IL2.bdf 75dpi-lutRS12.bdf 75dpi-lutRS12c.bdf
75dpi-lutRS12-IL2.bdf 75dpi-lutRS14.bdf 75dpi-lutRS14c.bdf
75dpi-lutRS14-IL2.bdf
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## 3.49 coreutils 8.21-1ubuntu5

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 *
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 *
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 *
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 * hash(), hash2(), hash3, and mix() are externally useful functions.
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```

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## 3.53 cpu-checker 0.7 :0ubuntu4

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Upstream-Contact: Kees Cook <kees@ubuntu.com>

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## 3.54 crda 1.1.2-1ubuntu2 :1ubuntu2

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Upstream-Name: crda

Upstream-Contact: Luis R. Rodriguez <mcgrof@gmail.com>

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## 3.55 crmsh 1.2.5+hg1034 :1ubuntu4

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## 3.57 Cryptography 0.6.1

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## 3.58 csh 20110502 :2ubuntu2

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## 3.59 curl 7.35.0 :1ubuntu2.1

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krb4

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libidn <http://josefsson.org/libidn/>

(Used for IDNA support) Uses the GNU Lesser General Public License [3]. LGPL is a variation of GPL with slightly less aggressive "copyleft". This license requires more requirements to be met when distributing binaries, see the license for details. Also note that if you distribute a binary that includes this library, you must also include the full LGPL license text. Please properly point out what parts of the distributed package that the license addresses.

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/>

(Used for scp and sftp support) libssh2 uses a Modified BSD-style license.

[1] = GPL - GNU General Public License: <http://www.gnu.org/licenses/gpl.html>

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Comment: The saslfinger utility was downloaded from  
<http://postfix.state-of-mind.de/patrick.koetter/saslfinger/>

Files: debian/gen-auth/\*

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/\* CMU libsasl

\* Tim Martin

\* Rob Earhart

\* Rob Siemborski

\*/

/\*

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* Tim Martin
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* Rob Earhart
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* Rob Siemborski
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## 3.65 dbus 1.6.18-0ubuntu4 :0ubuntu4

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David Gibson <david@gibson.dropbear.id.au>  
(principal original author of dtc and libfdt)

2 November 2007

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This Debian package was first created by Leland Lucius <llucius@debian.org>.

The source for this release was obtained from:

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Current dialog upstream maintainer: Thomas Dickey <dickey@invisible-island.net>

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Files: \*.c \*.h

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Files: aclocal.m4

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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.

Files: debian/\*

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## 3.74 diffutils 1:3.3-1 :1

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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.

Release	Derived from	Year	Owner	GPL-compatible? (1)
0.9.0 thru 1.2		1991-1995	CWI	yes
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1.6	1.5.2	2000	CNRI	no
2.0	1.6	2000	BeOpen.com	no
1.6.1	1.6	2001	CNRI	yes (2)
2.1	2.0+1.6.1	2001	PSF	no
2.0.1	2.0+1.6.1	2001	PSF	yes
2.1.1	2.1+2.0.1	2001	PSF	yes
2.2	2.1.1	2001	PSF	yes
2.1.2	2.1.1	2002	PSF	yes
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2.3.3	2.3.2	2002-2003	PSF	yes
2.3.4	2.3.3	2004	PSF	yes
2.3.5	2.3.4	2005	PSF	yes
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2.6.5	2.6.4	2010	PSF	yes
3.0	2.6	2008	PSF	yes
3.0.1	3.0	2009	PSF	yes
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## 3.78 dosfstools 3.0.26-1 :1

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```
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## 3.82 e2fsprogs 1.42.9-3ubuntu1 :3ubuntu1

### 3.82.1 Available under license :

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>

Upstream Author: Theodore Ts'o <tytso@mit.edu>

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This is the Debian GNU/Linux prepackaged version of the ss command-line interface parsing library 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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Index: tdbsa/tdb.c

-----  
--- tdbsa.orig/tdb.c

+++ tdbsa/tdb.c

@@ -4,11 +4,11 @@ Rev: 23371

Last Changed Date: 2007-06-06 20:14:06 -0400 (Wed, 06 Jun 2007)

\*/

/\*

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

- trivial database library - private includes

-

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#

# This is a Makefile stub which handles the creation of BSD shared  
# libraries.

#

# In order to use this stub, the following makefile variables must be defined.

#

# BSDLIB\_VERSION = 1.0

# BSDLIB\_IMAGE = libce

# BSDLIB\_MYDIR = et

# BSDLIB\_INSTALL\_DIR = \$(SHLIBDIR)

#

all:: image

real-subdirs:: Makefile

@echo " MKDIR pic"

@mkdir -p pic

BSD\_LIB = \$(BSDLIB\_IMAGE).so.\$(BSDLIB\_VERSION)

BSDLIB\_PIC\_FLAG = -fpic

image: \$(BSD\_LIB)

\$(BSD\_LIB): \$(OBJS)

(cd pic; ld -Bshareable -o \$(BSD\_LIB) \$(LD\_FLAGS) \$(OBJS))

\$(MV) pic/\$(BSD\_LIB) .

\$(RM) -f ../\$(BSD\_LIB)

(cd ..; \$(LN) \$(LINK\_BUILD\_FLAGS) \

`echo \$(my\_dir) | sed -e 's;lib/;;'/'\$(BSD\_LIB) \$(BSD\_LIB))

install-shlibs install:: \$(BSD\_LIB)

@echo " INSTALL\_PROGRAM \$(BSDLIB\_INSTALL\_DIR)/\$(BSD\_LIB)"

@\$(INSTALL\_PROGRAM) \$(BSD\_LIB) \

\$(DESTDIR)\$ (BSDLIB\_INSTALL\_DIR)/\$(BSD\_LIB)

@-\$(LD\_CONFIG)

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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Gadi Oxman, August 1995

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```
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```

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```
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```

```
<signature of Ty Coon>, 1 April 1989
Ty Coon, President of Vice
```

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Theodore Ts'o  
23-June-2007

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```
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```

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Version 2, June 1991

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That's all there is to it!  
#!/bin/sh

```
find . -type f \! -name \*~ \! -exec grep -q Begin-Header \{\} \; -print \
| grep -v ^./build
```

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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mouse-clicks or menu items--whatever suits your program.

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necessary. Here is a sample; alter the names:

```
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`Gnomovision' (which makes passes at compilers) written by James Hacker.
```

```
<signature of Ty Coon>, 1 April 1989
Ty Coon, President of Vice
```

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```
#!/bin/sh
```

```
# Update copyright year lists.
```

```
# Copyright (C) 2012-2014 Free Software Foundation, Inc.
```

```
# This file is part of the GNU C Library.
```

```
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# <http://www.gnu.org/licenses/>.

# Run this script with the first argument being the location of
# gnumlib's update-copyright script. Any other arguments are ignored.
# FSF copyright notices in the glibc source directory containing this
# script will be updated; glibc must then be built to update generated
# files. Copyright dates in --version copyright notices are not
# updated.

set -e

export LC_ALL=C
export UPDATE_COPYRIGHT_FORCE=1
export UPDATE_COPYRIGHT_USE_INTERVALS=2
export UPDATE_COPYRIGHT_MAX_LINE_LENGTH=79

update_script=$1

if ! [ -f "$update_script" ]; then
  echo "error: first argument must point to gnumlib update-copyright script" >&2
  exit 1
fi

cd "$(dirname "$0")/.."

files=$(find . -type f | sed 's|^\.|/' | grep -v '^\.git/')

for f in $files; do
  case $f in
    COPYING | COPYING.LIB | manual/fdl-1.3.texi | manual/lgpl-2.1.texi)
      # Licenses imported verbatim from FSF sources.
      ;;
    manual/texinfo.tex | scripts/config.guess | scripts/config.sub \
    | scripts/install-sh | scripts/mkinstalldirs | scripts/move-if-change)
      # Other files imported verbatim from other GNU repositories.
      ;;
    po/*.po)

```



```

# Files imported verbatim from the Translation Project.
;;
INSTALL | intl/plural.c | locale/C-translit.h \
| locale/programs/charmap-kw.h | locale/programs/locfile-kw.h \
| po/libc.pot | sysdeps/gnu/errlist.c)
# Generated files.
;;
configure | */configure | preconfigure | */preconfigure)
# Possibly generated files.
if ! [ -f "$f.ac" ]; then
"$update_script" "$f"
fi
;;
grp/initgroups.c | misc/bits/stab.def | posix/regex.h \
| sysdeps/wordsize-32/divdi3.c)
# Pre-1991 gaps in copyright years, so cannot use a single range.
UPDATE_COPYRIGHT_USE_INTERVALS=1 "$update_script" "$f"
;;
*)
"$update_script" "$f"
;;
esac
done

```

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# 3.87 eject 2.1.5+deb1+cvs20081104-13.1

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```

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```

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```



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## 3.88 elfutils 0.158 :0ubuntu5

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## 3.93 findutils 4.4.2 :7

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Debian maintainer history: The original package was put together by Ian Murdock <imurdock@debian.org>, afterwards Kevin Dalley <kevind@rahul.net> took over. 2003-07 Andreas Metzler <ametzler@debian.org> followed.

Upstream Authors:  
\* GNU find was written by Eric Decker <cire@cisco.com>, with enhancements by David MacKenzie <djm@gnu.org>, Jay Plett <jay@silence.princeton.nj.us>, and Tim Wood <axolotl!tim@toad.com>. The idea for -print0 and xargs -0 came from Dan Bernstein <brnstnd@kramden.acf.nyu.edu>. Improvements have been made by James Youngman <jay@gnu.org>.

\* GNU xargs was originally written by Mike Rendell, with enhancements by David MacKenzie. Modifications by James Youngman Dmitry V. Levin

\* GNU locate and its associated utilities were originally written by James Woods, with enhancements by David MacKenzie, James Youngman



and Bas van Gompel.

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## :2.1ubuntu2

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

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

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Version 3, 29 June 2007

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```

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(For example, a function in a library to compute square roots has



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That's all there is to it!  
This is an attempt to acknowledge early contributions to the garbage collector. Later contributions should instead be mentioned in README.changes.

#### HISTORY -

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

The garbage collector originated as part of the run-time system for the Russell programming language implementation. The first version of the garbage collector was written primarily by Al Demers. It was then refined

and mostly rewritten, primarily by Hans-J. Boehm, at Cornell U., the University of Washington, Rice University (where it was first used for C and assembly code), Xerox PARC, SGI, and HP Labs. However, significant contributions have also been made by many others.

Some other contributors:

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

The SPARC specific code was originally contributed by Mark Weiser.

The Encore Multimax modifications were supplied by

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

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

Robert Brazile (brazile@diamond.bbn.com) originally supplied the ULTRIX code.

Al Dosser (dosser@src.dec.com) and Regis Cridlig (Regis.Cridlig@cl.cam.ac.uk)

subsequently provided updates and information on variation between ULTRIX

systems. Parag Patel (parag@netcom.com) supplied the A/UX code.

Jesper Peterson(jep@mtiame.mtia.oz.au), Michel Schinz, and

Martin Tauchmann (martintauchmann@bigfoot.com) supplied the Amiga port.

Thomas Funke (thf@zelator.in-berlin.de(?)) and

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

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

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

specific code. Manuel Serrano (serrano@cornas.inria.fr) supplied linux and

Sony News specific code. Al Dosser provided Alpha/OSF/1 code. He and

Dave Detlefs(detlefs@src.dec.com) also provided several generic bug fixes.

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

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

Brent Benson (brent@jade.ssd.csd.harris.com) ported the collector to

a Motorola 88K processor running CX/UX (Harris NightHawk).

Ari Huttunen (Ari.Huttunen@hut.fi) generalized the OS/2 port to

nonIBM development environments (a nontrivial task).

Patrick Beard (beard@cs.ucdavis.edu) provided the initial MacOS port.

David Chase, then at Olivetti Research, suggested several improvements.

Scott Schwartz (schwartz@groucho.cse.psu.edu) supplied some of the

code to save and print call stacks for leak detection on a SPARC.

Jesse Hull and John Ellis supplied the C++ interface code.

Zhong Shao performed much of the experimentation that led to the

current typed allocation facility. (His dynamic type inference code hasn't

made it into the released version of the collector, yet.)

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# 128 bit long double support was introduced with GCC 4.6.0 for FreeBSD.

# These lines make the symbols to get a @@GCC\_4.6.0.

%exclude {

\_\_addtf3

\_\_copysigntf3

\_\_divtc3

\_\_divtf3

\_\_eqtf2

\_\_extenddf2

\_\_extendsf2

```
__extendxftf2
__fabstf2
__fixtfdi
__fixtfsi
__fixtfti
__fixunstfdi
__fixunstfsi
__fixunstfti
__floatditf
__floatsitf
__floattitf
__floatunditf
__floatunsitf
__floatuntitf
__getf2
__gttf2
__letf2
__lttf2
__multc3
__multf3
__negtf2
__netf2
__powitf2
__subtf3
__trunctfdf2
__trunctfsf2
__trunctxf2
__unordtf2
}
```

```
GCC_4.6.0 {
__addtf3
#ifdef __x86_64__
__copysigntf3
#endif
__divtc3
__divtf3
__eqtf2
__extenddf2
__extendsftf2
__extendxftf2
#ifdef __x86_64__
__fabstf2
#endif
__fixtfdi
__fixtfsi
#ifdef __x86_64__
__fixtfti
```

```

%endif
__fixunstdi
__fixunstfsi
#ifdef __x86_64__
__fixunstfti
%endif
__floatditf
__floatsitf
#ifdef __x86_64__
__floattitf
%endif
__floatunditf
__floatunsitf
#ifdef __x86_64__
__floatuntitf
%endif
__getf2
__gttf2
__letf2
__lttf2
__multc3
__multf3
__negtf2
__netf2
__powtf2
__subtf3
__trunctdf2
__trunctsf2
__trunctxf2
__unordtf2
}

```

```

GCC_4.8.0 {
__cpu_model
__cpu_indicator_init
}

```

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Version 2.1, February 1999

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

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

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

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

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:

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

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

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

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

For an executable, the required form of the "work that uses the Library" must include any data and utility programs needed for reproducing the executable from it. However, as a special exception, the materials to be distributed need not include anything that is

normally distributed (in either source or binary form) with the major components (compiler, kernel, and so on) of the operating system on which the executable runs, unless that component itself accompanies the executable.

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

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That's all there is to it!

@ignore

@c Set file name and title for man page.

@setfilename gpl

@settitle GNU General Public License

@c man begin SEEALSO

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

@c man end

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@node Copying

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@unnumbered GNU General Public License

@center Version 3, 29 June 2007

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

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

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

@heading TERMS AND CONDITIONS

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

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

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

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

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

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

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

@item Source Code.

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

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

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

(if any) on which the executable work runs, or a compiler used to produce the work, or an object code interpreter used to run it.

The ``Corresponding Source" for a work in object code form means all the source code needed to generate, install, and (for an executable work) run the object code and to modify the work, including scripts to control those activities. However, it does not include the work's System Libraries, or general-purpose tools or generally available free programs which are used unmodified in performing those activities but which are not part of the work. For example, Corresponding Source includes interface definition files associated with source files for the work, and the source code for shared libraries and dynamically linked subprograms that the work is specifically designed to require, such as by intimate data communication or control flow between those subprograms and other parts of the work.

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@item Conveying Modified Source Versions.

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

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

@item

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

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anyone who comes into possession of a copy. This License will therefore apply, along with any applicable section 7 additional terms, to the whole of the work, and all its parts, regardless of how they are packaged. This License gives no permission to license the work in any other way, but it does not invalidate such permission if you have separately received it.

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

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

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

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@item

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

@item

Convey the object code in, or embodied in, a physical product (including a physical distribution medium), accompanied by a written offer, valid for at least three years and valid for as long as you offer spare parts or customer support for that product model, to give anyone who possesses the object code either (1) a copy of the Corresponding Source for all the software in the product that is covered by this License, on a durable physical medium customarily used for software interchange, for a price no more than your reasonable cost of physically performing this conveying of source, or (2) access

to copy the Corresponding Source from a network server at no charge.

@item

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

@item

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

@item

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

@end enumerate

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

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

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@page

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@group

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@end smallexample

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@smallexample

@group

with the Invariant Sections being @var{list their titles}, with the Front-Cover Texts being @var{list}, and with the Back-Cover Texts being @var{list}.

@end group

@end smallexample

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If your document contains nontrivial examples of program code, we recommend releasing these examples in parallel under your choice of free software license, such as the GNU General Public License, to permit their use in free software.

```
@c Local Variables:
@c ispell-local-pdict: "ispell-dict"
@c End:
```

```
@c man end
@node Library Copying
@appendixsec GNU LESSER GENERAL PUBLIC LICENSE
```

```
@cindex LGPL, Lesser General Public License
@center Version 2.1, February 1999
```

```
@display
Copyright @copyright{ } 1991, 1999 Free Software Foundation, Inc.
51 Franklin Street - Fifth Floor, Boston, MA 02110-1301, USA
```

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```
@end display
```

```
@appendixsubsec Preamble
```

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@appendixsubsec TERMS AND CONDITIONS FOR COPYING, DISTRIBUTION AND MODIFICATION

@end iftex

@ifinfo

@center GNU LESSER GENERAL PUBLIC LICENSE

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@enumerate 0

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@item

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@item

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@end enumerate

@iftex

@heading END OF TERMS AND CONDITIONS

@end iftex

@ifinfo

@center END OF TERMS AND CONDITIONS

@end ifinfo

@page

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```
@smallexample
@var{one line to give the library's name and an idea of what it does.}
Copyright (C) @var{year} @var{name of author}
```

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```
@end smallexample
```

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

```
@var{signature of Ty Coon}, 1 April 1990
Ty Coon, President of Vice
@end smallexample
```

That's all there is to it!  
Jan 21, 2002

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

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

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```
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```

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```
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```

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

That's all there is to it!

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

## HISTORY -

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

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

Some other contributors:

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

The SPARC specific code was originally contributed by Mark Weiser. The Encore Multimax modifications were supplied by Kevin Kenny (kenny@m.cs.uiuc.edu). The adaptation to the IBM PC/RT is largely due to Vernon Lee, on machines made available to Rice by IBM. Much of the HP specific code and a number of good suggestions for improving the generic code are due to Walter Underwood. Robert Brazile (brazile@diamond.bbn.com) originally supplied the ULTRIX code. Al Dosser (dosser@src.dec.com) and Regis Cridlig (Regis.Cridlig@cl.cam.ac.uk) subsequently provided updates and information on variation between ULTRIX systems. Parag Patel (parag@netcom.com) supplied the A/UX code. Jesper Peterson(jep@mtiame.mtia.oz.au), Michel Schinz, and Martin Tauchmann (martintauchmann@bigfoot.com) supplied the Amiga port. Thomas Funke (thf@zelator.in-berlin.de(?)) and Brian D.Carlstrom (bdc@clark.lcs.mit.edu) supplied the NeXT ports. Douglas Steel (doug@wg.icl.co.uk) provided ICL DRS6000 code. Bill Janssen (janssen@parc.xerox.com) supplied the SunOS dynamic loader specific code. Manuel Serrano (serrano@cornas.inria.fr) supplied linux and Sony News specific code. Al Dosser provided Alpha/OSF/1 code. He and Dave Detlefs(detlefs@src.dec.com) also provided several generic bug fixes. Alistair G. Crooks(agg@uts.amdahl.com) supplied the NetBSD and 386BSD ports. Jeffrey Hsu (hsu@soda.berkeley.edu) provided the FreeBSD port. Brent Benson (brent@jade.ssd.csd.harris.com) ported the collector to a Motorola 88K processor running CX/UX (Harris NightHawk). Ari Huttunen (Ari.Huttunen@hut.fi) generalized the OS/2 port to nonIBM development environments (a nontrivial task).

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

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=====

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LLVM Team

University of Illinois at Urbana-Champaign

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mach_override	lib/interception/mach_override

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```

```
# 128 bit long double support was introduced with GCC 4.6.0 for FreeBSD.
```

```
# These lines make the symbols to get a @@GCC_4.6.0.
```

```
%exclude {  
  __addtf3  
  __copysigntf3  
  __divtc3  
  __divtf3  
  __eqtf2  
  __extenddftf2  
  __extendsftf2  
  __extendxftf2  
  __fabstf2  
  __fixtfdi  
  __fixtfsi  
  __fixtfti  
  __fixunstfdi  
  __fixunstfsi  
  __fixunstfti  
  __floatditf  
  __floatsitf  
  __floattitf  
  __floatunditf  
  __floatunsitf  
  __floatuntitf  
  __getf2  
  __gttf2  
  __letf2  
  __ltof2  
  __multc3  
  __multf3  
  __negtf2  
  __netf2  
  __powitf2  
  __subtf3  
  __trunctfdf2  
  __trunctfsf2  
  __trunctxf2  
  __unordtf2  
}
```

```
GCC_4.6.0 {  
  __addtf3  
  %ifndef __x86_64__  
    __copysigntf3  
  %endif
```

```

__divtc3
__divtf3
__eqtf2
__extenddf2
__extendsf2
__extendxf2
#ifdef __x86_64__
__fabstf2
#endif
__fixtfdi
__fixtfsi
#ifdef __x86_64__
__fixfti
#endif
__fixunstfdi
__fixunstfsi
#ifdef __x86_64__
__fixunstfi
#endif
__floatditf
__floatsitf
#ifdef __x86_64__
__floattitf
#endif
__floatunditf
__floatunsitf
#ifdef __x86_64__
__floatuntitf
#endif
__getf2
__gttf2
__letf2
__lttf2
__multc3
__multf3
__negtf2
__netf2
__powitf2
__subtf3
__trunctfdf2
__trunctfsf2
__trunctxf2
__unordtf2
}

GCC_4.8.0 {
__cpu_model
__cpu_indicator_init

```

}

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To protect each distributor, we want to make it very clear that there is no warranty for the free library. Also, if the library is modified by someone else and passed on, the recipients should know that what they have is not the original version, so that the original author's reputation will not be affected by problems that might be introduced by others.

Finally, software patents pose a constant threat to the existence of any free program. We wish to make sure that a company cannot effectively restrict the users of a free program by obtaining a restrictive license from a patent holder. Therefore, we insist that any patent license obtained for a version of the library must be

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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 @dfn{Lesser} General Public License because it does @emph{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.

@iftex

@appendixsubsec TERMS AND CONDITIONS FOR COPYING, DISTRIBUTION AND MODIFICATION

@end iftex

@ifinfo

@center GNU LESSER GENERAL PUBLIC LICENSE

@center TERMS AND CONDITIONS FOR COPYING, DISTRIBUTION AND MODIFICATION

@end ifinfo

@enumerate 0

@item

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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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@item

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@item

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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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.)

@end enumerate

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.

@item

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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.

@item

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.

@item

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.

@item

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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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.)

@item

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.

@item

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.

@item

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.

@item

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

@end enumerate

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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.

@item

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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.

@item

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.

@end enumerate

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@end enumerate

@iftex

@heading END OF TERMS AND CONDITIONS

@end iftex

@ifinfo

@center END OF TERMS AND CONDITIONS

@end ifinfo

@page

@appendixsubsec How to Apply These Terms to Your New Libraries

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

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

@smallexample

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

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@end smallexample

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

You should also get your employer (if you work as a programmer) or your school, if any, to sign a ``copyright disclaimer" for the library, if

necessary. Here is a sample; alter the names:

```
@smallexample
```

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

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

```
Ty Coon, President of Vice
```

```
@end smallexample
```

That's all there is to it!

Jan 21, 2002

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

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The source code for a work means the preferred form of the work for



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```
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```
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```

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```
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This is free software, and you are welcome to redistribute it
under certain conditions; type `show c' for details.
```

The hypothetical commands ``show w'` and ``show c'` should show the  
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```
Yoyodyne, Inc., hereby disclaims all copyright interest in the
program `Gnomovision' (a program to direct compilers to make passes
at assemblers) written by James Hacker.
```

```
<signature of Ty Coon>, 1 April 1989
Ty Coon, President of Vice
```

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## 3.101 gcc-defaults 1.124ubuntu6

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## 3.102 gccgo 4.9.3 :0ubuntu4

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Version 3, 29 June 2007

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```

```
<signature of Ty Coon>, 1 April 1989
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```

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

## HISTORY -

Early versions of this collector were developed as a part of research

projects supported in part by the National Science Foundation and the Defense Advance Research Projects Agency.

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

Some other contributors:

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

The SPARC specific code was originally contributed by Mark Weiser. The Encore Multimax modifications were supplied by Kevin Kenny (kenny@m.cs.uiuc.edu). The adaptation to the IBM PC/RT is largely due to Vernon Lee, on machines made available to Rice by IBM. Much of the HP specific code and a number of good suggestions for improving the generic code are due to Walter Underwood. Robert Brazile (brazile@diamond.bbn.com) originally supplied the ULTRIX code. Al Dosser (dosser@src.dec.com) and Regis Cridlig (Regis.Cridlig@cl.cam.ac.uk) subsequently provided updates and information on variation between ULTRIX systems. Parag Patel (parag@netcom.com) supplied the A/UX code. Jesper Peterson(jep@mtiame.mtia.oz.au), Michel Schinz, and Martin Tauchmann (martintauchmann@bigfoot.com) supplied the Amiga port. Thomas Funke (thf@zelator.in-berlin.de(?)) and Brian D.Carlstrom (bdc@clark.lcs.mit.edu) supplied the NeXT ports. Douglas Steel (doug@wg.icl.co.uk) provided ICL DRS6000 code. Bill Janssen (janssen@parc.xerox.com) supplied the SunOS dynamic loader specific code. Manuel Serrano (serrano@cornas.inria.fr) supplied linux and Sony News specific code. Al Dosser provided Alpha/OSF/1 code. He and Dave Detlefs(detlefs@src.dec.com) also provided several generic bug fixes. Alistair G. Crooks(agg@uts.amdahl.com) supplied the NetBSD and 386BSD ports. Jeffrey Hsu (hsu@soda.berkeley.edu) provided the FreeBSD port. Brent Benson (brent@jade.ssd.csd.harris.com) ported the collector to a Motorola 88K processor running CX/UX (Harris NightHawk). Ari Huttunen (Ari.Huttunen@hut.fi) generalized the OS/2 port to nonIBM development environments (a nontrivial task). Patrick Beard (beard@cs.ucdavis.edu) provided the initial MacOS port. David Chase, then at Olivetti Research, suggested several improvements. Scott Schwartz (schwartz@groucho.cse.psu.edu) supplied some of the code to save and print call stacks for leak detection on a SPARC. Jesse Hull and John Ellis supplied the C++ interface code. Zhong Shao performed much of the experimentation that led to the current typed allocation facility. (His dynamic type inference code hasn't

made it into the released version of the collector, yet.)

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Version 2.1, February 1999

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@c man end

@end ignore

@c Special handling for inclusion in the install manual.

@ifset gfdlhtml

@ifnohtml

@comment node-name, next, previous, up

@node GNU Free Documentation License, Concept Index, Old, Top

@end ifnohtml

@html

<h1 align="center">Installing GCC: GNU Free Documentation License</h1>

@end html

@ifnohtml

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@end ifnohtml

@end ifset

@c man begin DESCRIPTION

@ifclear gfdlhtml



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If such an object file uses only numerical parameters, data structure layouts and accessors, and small macros and small inline

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#### @item

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#### @enumerate a

#### @item

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#### @item

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.

@item

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@item

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

@end enumerate

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@enumerate a

@item

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@iftex

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@page

@appendixsubsec How to Apply These Terms to Your New Libraries

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```
@smallexample
@var{one line to give the library's name and an idea of what it does.}
Copyright (C) @var{year} @var{name of author}
```

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```
@end smallexample
```

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

```
@var{signature of Ty Coon}, 1 April 1990
Ty Coon, President of Vice
@end smallexample
```

That's all there is to it!

## 3.103 gccgo-4.9 4.9.1 :0ubuntu1

### 3.103.1 Available under license :

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```
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```

```
<signature of Ty Coon>, 1 April 1989
Ty Coon, President of Vice
```

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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.

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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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(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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If such an object file uses only numerical parameters, data structure layouts and accessors, and small macros and small inline

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For example, on rare occasions, there may be a special need to



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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

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

## HISTORY -

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

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

Some other contributors:

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

The SPARC specific code was originally contributed by Mark Weiser.

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

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

Robert Brazile (brazile@diamond.bbn.com) originally supplied the ULTRIX code.

Al Dossier (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 non-IBM 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.)

#### GCC RUNTIME LIBRARY EXCEPTION

Version 3.1, 31 March 2009

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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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```
@c Local Variables:
@c ispell-local-pdict: "ispell-dict"
@c End:

@c man end
@ignore
@c Set file name and title for man page.
@setfilename gpl
@settitle GNU General Public License
@c man begin SEEALSO
gfdl(7), fsf-funding(7).
@c man end
@c man begin COPYRIGHT
```

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@end ignore

@node Copying

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Developed by:

LLVM Team

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Program	Directory
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mach_override	lib/interception/mach_override

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```
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```

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```
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at assemblers) written by James Hacker.
```

```
<signature of Ty Coon>, 1 April 1989
Ty Coon, President of Vice
```

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 */
```

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## 3.104 gcr 3.10.1 :1

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## 3.105 gdbm 1.8.3-12build1 :12build1

### 3.105.1 Available under license :

This is Debian GNU's prepackaged version of the FSF's GNU DBM library.

This package was put together by James Troup <james@nocrew.org> from the GNU sources:

<ftp://ftp.gnu.org/pub/gnu/gdbm/gdbm-1.8.3.tar.gz>

It was previously maintained by Ray Dassen <jdassen@wi.LeidenUniv.nl>, Mark W. Eichin <eichin@kitten.gen.ma.us> and Christoph Lameter <clameter@debian.org>.



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```
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```
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```

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```
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```

```
<signature of Ty Coon>, 1 April 1989
```

Ty Coon, President of Vice

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## 3.107 geoip 1.6.0-1 :1

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@unnumberedsubsec Appendix: How to Apply These Terms to Your New Programs

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

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

@smallexample

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

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@end smallexample

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

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

```
@example
Yoyodyne, Inc., hereby disclaims all copyright interest in the program
`Gnomovision' (which makes passes at compilers) written by James Hacker.
```

```
@var{signature of Ty Coon}, 1 April 1989
Ty Coon, President of Vice
@end example
```

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@c End:
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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

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@iftex

@unnumberedsubsec TERMS AND CONDITIONS FOR COPYING, DISTRIBUTION AND MODIFICATION

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Version 3, 29 June 2007

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```
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```
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Ty Coon, President of Vice
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emacs po-mode was written by Francois Pinard <pinard@iro.umontreal.ca>.

This package was first created by Erick Branderhorst <branderh@debian.org>, and is currently maintained by Santiago Vila <sanvila@debian.org>.

This release has been built using the sources from:

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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.

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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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

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- c) You must cause the whole of the work to be licensed at no charge to all third parties under the terms of this License.
- d) If a facility in the modified Library refers to a function or a table of data to be supplied by an application program that uses the facility, other than as an argument passed when the facility is invoked, then you must make a good faith effort to ensure that, in the event an application does not supply such function or table, the facility still operates, and performs whatever part of its purpose remains meaningful.

(For example, a function in a library to compute square roots has a purpose that is entirely well-defined independent of the

application. Therefore, Subsection 2d requires that any application-supplied function or table used by this function must be optional: if the application does not supply it, the square root function must still compute square roots.)

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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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.

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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.

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@unnumberedsubsec Preamble

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Finally, software patents pose a constant threat to the existence of any free program. We wish to make sure that a company cannot effectively restrict the users of a free program by obtaining a restrictive license from a patent holder. Therefore, we insist that any patent license obtained for a version of the library must be consistent with the full freedom of use specified in this license.

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.

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

its purpose remains meaningful.

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

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

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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.)

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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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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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@smallexample

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

Ty Coon, President of Vice

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@unnumberedsubsec Appendix: How to Apply These Terms to Your New Programs

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

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

@smallexample

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

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@end smallexample

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

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

@smallexample

Gnomovision version 69, Copyright (C) 19@var{yy} @var{name of author}  
Gnomovision comes with ABSOLUTELY NO WARRANTY; for details type `show w'.  
This is free software, and you are welcome to redistribute it  
under certain conditions; type `show c' for details.  
@end smallexample

The hypothetical commands @samp{show w} and @samp{show c} should show  
the appropriate parts of the General Public License. Of course, the  
commands you use may be called something other than @samp{show w} and  
@samp{show c}; they could even be mouse-clicks or menu items---whatever  
suits your program.

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

@example  
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`Gnomovision' (which makes passes at compilers) written by James Hacker.

@var{signature of Ty Coon}, 1 April 1989  
Ty Coon, President of Vice  
@end example

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GNU gettext was written by Ulrich Drepper <drepper@gnu.org>.  
emacs po-mode was written by Francois Pinard <pinard@iro.umontreal.ca>.

This package was first created by Erick Branderhorst <branderh@debian.org>, and is currently maintained by Santiago Vila <sanvila@debian.org>.

This release has been built using the sources from:

<http://ftp.gnu.org/pub/gnu/gettext/gettext-0.18.3.1.tar.gz>

The changes were fairly minimal, and consisted solely of adding various debian/\* files to the distribution.

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```
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```

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```
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```

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@cindex GPL, GNU General Public License
@cindex License, GNU GPL
@center Version 2, June 1991
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@c This file is intended to be included in another file.
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```
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```

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```
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`Gnomovision' (which makes passes at compilers) written by James Hacker.

@var{signature of Ty Coon}, 1 April 1989
Ty Coon, President of Vice
@end example
```

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`emacs po-mode` was written by Francois Pinard <pinard@iro.umontreal.ca>.

This package was first created by Erick Branderhorst <branderh@debian.org>, and is currently maintained by Santiago Vila <sanvila@debian.org>.

This release has been built using the sources from:

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```
@smallexample
```

```
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```

```
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```

```
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```

```
under certain conditions; type `show c' for details.
```

```
@end smallexample
```

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```
@example
```

```
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```

```
`Gnomovision' (which makes passes at compilers) written by James Hacker.
```

```
@var{signature of Ty Coon}, 1 April 1989
```

```
Ty Coon, President of Vice
```

```
@end example
```

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emacs po-mode was written by Francois Pinard <pinard@iro.umontreal.ca>.

This package was first created by Erick Branderhorst <branderh@debian.org>, and is currently maintained by Santiago Vila <sanvila@debian.org>.

This release has been built using the sources from:

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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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End  
This package was debianized by Akira TAGOH <tagoh@debian.org> on  
Thu, 7 Mar 2002 01:05:25 +0900.

It was downloaded from <<http://ftp.gnome.org/pub/GNOME/sources/glib/>>.

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## 3.111 gmp 2:5.1.3+dfsg-1ubuntu1 :1ubuntu1

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GMP Debian Package

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This gmp package was built for Debian by

Steve M. Robbins <[smr@debian.org](mailto:smr@debian.org)>  
Philipp Matthias Hahn <[pmhahn@debian.org](mailto:pmhahn@debian.org)>

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## 3.112 gnupg 1.4.16-1ubuntu2.1 :1ubuntu2.1

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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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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.

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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:

@enumerate a

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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.)

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@item

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

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@subheading END OF TERMS AND CONDITIONS

@page

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@smallexample

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

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@end smallexample

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school, if any, to sign a ``copyright disclaimer" for the library, if necessary. Here is a sample; alter the names:

```
@smallexample
```

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

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

```
Ty Coon, President of Vice
```

```
@end smallexample
```

That's all there is to it!

This package was debianized by Ivo Timmermans <ivo@debian.org> on  
Fri, 3 Aug 2001 10:00:42 +0200.

It was later taken over by Matthias Urlichs <smurf@debian.org> and is now  
maintained by Andreas Metzler <ametzler@debian.org> Eric Dorland  
<eric@debian.org>, James Westby <jw+debian@jameswestby.net>

It was downloaded from <ftp://gnutls.hellug.gr/pub/gnutls>

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and library for code for "GnuTLS Inner Application" support) build system,  
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Excerpt from upstream's README:

LICENSE ISSUES

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Since the 0.4.2 version the gnutls library is covered under the GNU Lesser GPL. Previously released versions were licensed under the GNU GPL.

We changed the license for most of GNUTLS because other free libraries already exist that do the same jobs and have lax licenses. We want GNUTLS to be usable in all the same places as those other libraries. We kept some parts of GNUTLS under the GPL because they are unique, and with the GPL they provide free software projects (which deserve our help) an advantage over non-free projects (which do not deserve our help, since they refuse to share with us). For more explanation, see <http://www.gnu.org/philosophy/why-not-lgpl.html>.

The GNU Lesser GPL license applies to the main gnutls library, while the gnutls-extra library is under the GPL. The gnutls-extra library contains the code for "GnuTLS Inner Application" support and the

OpenSSL compatibility layer. The gnutls library is located in the lib/ directory, while the gnutls-extra library is at libextra/.

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Version 2.1, February 1999

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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



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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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```
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```

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(at your option) any later version.
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```
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```
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It was later taken over by Matthias Urlichs <smurf@debian.org> and is now maintained by Andreas Metzler <ametzler@debian.org> Eric Dorland <eric@debian.org>, James Westby <jw+debian@jameswestby.net>

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## 3.115 gobject-introspection 1.40.0 :1ubuntu0.2

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```
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. The file ``src/libs/snprintf/snprintf.c'`, written by Mark Martinec <mark.martinec@ijs.si>.

Please look into `snprintf.c` for the copyright message.

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<http://www.ijs.si/software/snprintf/> .

. The ``gm'` 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.

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<http://ftp.cs.wisc.edu/pub/misc/grn.tar.Z> .

```
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
src/devices/xditview/xdit_mask.bm
src/devices/xditview/xditview.c
```

```
src/include/DviChar.h
src/include/XFontName.h
```

```
src/libs/libxutil/DviChar.c
src/libs/libxutil/XFontName.c
```

## Macro Packages

-----

- . 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.fr'` contains the same patterns as the file ``frhyph.tex'` (for TeX), which can be found at

```
http://dante.ctan.org/CTAN/language/hyphenation/frhyph.tex .
```

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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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. The files ``tmac/hyphen.det'` and ``tmac/hyphen.den'` contain the same patterns as the files ``dehyphn.tex'` and ``dehypht.tex'` (for TeX), which can be found at

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. The file ``tmac/hyphenex.det'` is identical to the file ``dehyphtex.tex'`, which can be found at

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This package was first debianized by Paolo Molaro <lupus@debian.org> on Wed, 17 Nov 1999 17:30:23 +0100.

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## 3.124 hostname 3.15ubuntu1

### 3.124.1 Available under license :

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hostname -- set the host name or show the host/domain name

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## 3.125 html5lib 0.999 :3~ubuntu1

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Sun, 11 Mar 2007 21:29:42 +0100

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<https://pypi.python.org/pypi/html5lib> (attention, releases on GitHub  
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## 3.126 icu 52.1-3 :3

### 3.126.1 Available under license :

```
## *-makefile-*  
## BSD-specific setup (FreeBSD, OpenBSD, NetBSD, *BSD)  
## Copyright (c) 1999-2013, International Business Machines Corporation and  
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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  
SHAREDLIBCPPFLAGS = -DPIC  
  
## 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) $< \
| sed "s^\($*\)\.o[ :]*^1.o $@ : /g\" > $@; \
[ -s $@ ] || rm -f $@'

%.d: $(srcdir)/%.cpp
@echo "generating dependency information for $<"
@$(SHELL) -ec '$(GEN_DEPS.cc) $< \
| sed "s^\($*\)\.o[ :]*^1.o $@ : /g\" > $@; \
[ -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} $@

## Bind internal references

# LDflags that pkgdata will use
BIR_LDFLAGS= -Wl,-Bsymbolic

# Dependencies [i.e. map files] for the final library
BIR_DEPS=

## Remove shared library 's'
STATIC_PREFIX_WHEN_USED =
STATIC_PREFIX =

## End BSD-specific setup
This package was debianized by Jay Berkenbilt <qjb@debian.org> on
August 5, 2005.

The original source was downloaded from
http://icu-project.org/download/latest\_milestone.html

The main web site for ICU is
http://www.icu-project.org/

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ICU License
=====

```

ICU License - ICU 1.8.1 and later

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## 3.127 ifupdown 0.7.47.2ubuntu4.1

### 3.127.1 Available under license :

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## 3.130 init-system-helpers 1.14

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The current Debian maintainers are Maximilian Attems <maks@debian.org> and Michael Prokop <mika@debian.org>.

The current Ubuntu release can be found at:  
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The former upstream was

<http://devresources.linuxfoundation.org/dev/iproute2/download/>

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## 3.136 iputils 3:20121221-4ubuntu1.1

### :4ubuntu1.1

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## 3.137 ipxe 1.0.0+git :20131111.c3d1e78-2ubuntu1

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Upstream-Name: ipxe

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src/arch/i386/prefix/dskprefix.S

src/core/pcmcia.c

src/core/string.c

src/core/stringextra.c

src/drivers/infiniband/\*\_PRM.h

src/drivers/infiniband/qib\*\_regs.h

src/drivers/net/cs89x0.\*

src/drivers/net/e1000/\*

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src/drivers/net/sky2.\*

src/drivers/net/tg3.\*

src/drivers/net/vxge/\*

src/drivers/net/wlan\_compat.h

src/include/i82365.h

src/include/ipxe/list.h

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src/drivers/net/3c509.c  
src/drivers/net/3c529.c  
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src/include/ipxe/ib\_cmrc.h  
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src/core/pcmcia.c  
src/core/string.c  
src/core/stringextra.c  
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src/drivers/infiniband/qib*_regs.h  
src/drivers/net/cs89x0.*  
src/drivers/net/e1000/*  
src/drivers/net/e1000e/*  
src/drivers/net/hfa384x.h  
src/drivers/net/igb/*  
src/drivers/net/igbvf/*  
src/drivers/net/myri10ge*  
src/drivers/net/p80211hdr.h  
src/drivers/net/phantom/nxhal_nic_interface.h  
src/drivers/net/rtl818x/*  
src/drivers/net/skge.*  
src/drivers/net/sky2.*  
src/drivers/net/tg3.*  
src/drivers/net/vxge/*  
src/drivers/net/wlan_compat.h  
src/include/i82365.h
```

src/include/ipxe/list.h  
src/include/ipxe/pci.h  
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src/drivers/net/3c529.c  
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## 3.139 isc-dhcp 4.2.4 :7ubuntu12

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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 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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This package was debianized by Andrew Pollock <apollock@debian.org> on
Sun, 02 Mar 2008 21:18:00 -0800.
```

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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 `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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vim: filetype=text:textwidth=75:expandtab:shiftwidth=2:softtabstop=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 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 `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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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 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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\* `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 `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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## 3.142 iso-codes 3.52 :1

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## 3.144 json-c 0.11-3ubuntu1.2 :3ubuntu1.2

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Upstream-Contact: <michael@metaparadigm.com>

Source: <https://github.com/json-c/json-c/wiki>

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```

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<signature of Ty Coon>, 1 April 1989
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## 3.146 keyutils 1.5.6-1 :1

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Upstream-Name: keyutils

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

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

Files: keyctl\* request-key\*

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Files: keyutils.\*

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```
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```

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```
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```

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<signature of Ty Coon>, 1 April 1989

Ty Coon, President of Vice

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## 3.149 kmod 15 :0ubuntu6

## 3.149.1 Available under license :

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Version 2.1, February 1999

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## 3.150 kmod 15-0ubuntu6 :0ubuntu6

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The implementations of GSSAPI mechglue in GSSAPI-SPNEGO in "src/lib/gssapi", including the following files:

lib/gssapi/generic/gssapi\_err\_generic.et  
lib/gssapi/mechglue/g\_accept\_sec\_context.c  
lib/gssapi/mechglue/g\_acquire\_cred.c  
lib/gssapi/mechglue/g\_canon\_name.c  
lib/gssapi/mechglue/g\_compare\_name.c  
lib/gssapi/mechglue/g\_context\_time.c  
lib/gssapi/mechglue/g\_delete\_sec\_context.c  
lib/gssapi/mechglue/g\_dsp\_name.c  
lib/gssapi/mechglue/g\_dsp\_status.c  
lib/gssapi/mechglue/g\_dup\_name.c  
lib/gssapi/mechglue/g\_exp\_sec\_context.c  
lib/gssapi/mechglue/g\_export\_name.c  
lib/gssapi/mechglue/g\_glue.c  
lib/gssapi/mechglue/g\_imp\_name.c  
lib/gssapi/mechglue/g\_imp\_sec\_context.c  
lib/gssapi/mechglue/g\_init\_sec\_context.c  
lib/gssapi/mechglue/g\_initialize.c  
lib/gssapi/mechglue/g\_inquire\_context.c  
lib/gssapi/mechglue/g\_inquire\_cred.c  
lib/gssapi/mechglue/g\_inquire\_names.c  
lib/gssapi/mechglue/g\_process\_context.c  
lib/gssapi/mechglue/g\_rel\_buffer.c  
lib/gssapi/mechglue/g\_rel\_cred.c  
lib/gssapi/mechglue/g\_rel\_name.c  
lib/gssapi/mechglue/g\_rel\_oid\_set.c

lib/gssapi/mechglue/g\_seal.c  
lib/gssapi/mechglue/g\_sign.c  
lib/gssapi/mechglue/g\_store\_cred.c  
lib/gssapi/mechglue/g\_unseal.c  
lib/gssapi/mechglue/g\_userok.c  
lib/gssapi/mechglue/g\_utils.c  
lib/gssapi/mechglue/g\_verify.c  
lib/gssapi/mechglue/gssd\_pname\_to\_uid.c  
lib/gssapi/mechglue/mglueP.h  
lib/gssapi/mechglue/oid\_ops.c  
lib/gssapi/spnego/gssapiP\_spnego.h  
lib/gssapi/spnego/spnego\_mech.c

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

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

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lib/gss\_mechs/mech\_krb5/et/kdb5\_err.c  
lib/gss\_mechs/mech\_spnego/mech\_gssapiP\_spnego.h  
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lib/libgss/g\_verify.c  
lib/libgss/gssd\_pname\_to\_uid.c  
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The implementations of GSSAPI mechglue in GSSAPI-SPNEGO in "src/lib/gssapi", including the following files:

- lib/gssapi/generic/gssapi\_err\_generic.et
- lib/gssapi/mechglue/g\_accept\_sec\_context.c
- lib/gssapi/mechglue/g\_acquire\_cred.c
- lib/gssapi/mechglue/g\_canon\_name.c
- lib/gssapi/mechglue/g\_compare\_name.c
- lib/gssapi/mechglue/g\_context\_time.c
- lib/gssapi/mechglue/g\_delete\_sec\_context.c
- lib/gssapi/mechglue/g\_dsp\_name.c
- lib/gssapi/mechglue/g\_dsp\_status.c
- lib/gssapi/mechglue/g\_dup\_name.c
- lib/gssapi/mechglue/g\_exp\_sec\_context.c
- lib/gssapi/mechglue/g\_export\_name.c
- lib/gssapi/mechglue/g\_glue.c
- lib/gssapi/mechglue/g\_imp\_name.c
- lib/gssapi/mechglue/g\_imp\_sec\_context.c
- lib/gssapi/mechglue/g\_init\_sec\_context.c
- lib/gssapi/mechglue/g\_initialize.c
- lib/gssapi/mechglue/g\_inquire\_context.c
- lib/gssapi/mechglue/g\_inquire\_cred.c
- lib/gssapi/mechglue/g\_inquire\_names.c
- lib/gssapi/mechglue/g\_process\_context.c
- lib/gssapi/mechglue/g\_rel\_buffer.c
- lib/gssapi/mechglue/g\_rel\_cred.c
- lib/gssapi/mechglue/g\_rel\_name.c
- lib/gssapi/mechglue/g\_rel\_oid\_set.c
- lib/gssapi/mechglue/g\_seal.c
- lib/gssapi/mechglue/g\_sign.c

lib/gssapi/mechglue/g\_store\_cred.c  
lib/gssapi/mechglue/g\_unseal.c  
lib/gssapi/mechglue/g\_userok.c  
lib/gssapi/mechglue/g\_utils.c  
lib/gssapi/mechglue/g\_verify.c  
lib/gssapi/mechglue/gssd\_pname\_to\_uid.c  
lib/gssapi/mechglue/mglueP.h  
lib/gssapi/mechglue/oid\_ops.c  
lib/gssapi/spnego/gssapiP\_spnego.h  
lib/gssapi/spnego/spnego\_mech.c

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

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

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## 3.155 language-pack-gnome-en 1:14.04 :20150219

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Upstream-Maintainer: Arne Goetje <arne@ubuntu.com>

Upstream-Source: <https://code.launchpad.net/~ubuntu-core-dev/language-selector/ubuntu>

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Version 3, 29 June 2007

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Random Hacker.

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

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## 3.160 libalgorithm-diff-perl 1.19.02 :3

## 3.161 libalgorithm-diff-xs-perl 0.04 :2build3

## 3.162 libarchive-extract-perl 0.70-1 :1

### 3.162.1 Available under license :

Format: <http://www.debian.org/doc/packaging-manuals/copyright-format/1.0/>  
Upstream-Name: Archive-Extract  
Source: <https://metacpan.org/release/Archive-Extract/>  
Upstream-Contact: Chris Williams <chris@bingosnet.co.uk>

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## 3.163 libasyncons 0.8 :4ubuntu2

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Here the stream cipher has been modified always to include the time when initializing the state. That makes it impossible to regenerate the same random sequence twice, so this can't be used for encryption, but will generate good random numbers.

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Equivalent code is available from RSA Data Security, Inc. This code has been tested against that, and is equivalent, except that you don't need to include two pages of legalese with every copy.

To compute the message digest of a chunk of bytes, declare an MD5Context structure, pass it to MD5Init, call MD5Update as needed on buffers full of bytes, and then call MD5Final, which will fill a supplied 16-byte array with the digest.

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This code is derived from section 17.1 of Applied Cryptography, second edition, which describes a stream cipher allegedly compatible with RSA Labs "RC4" cipher (the actual description of which is a trade secret). The same algorithm is used as a stream cipher called "arcfour" in Tatu Ylonen's ssh package.

Here the stream cipher has been modified always to include the time when initializing the state. That makes it impossible to regenerate the same random sequence twice, so this can't be used for encryption, but will generate good random numbers.

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Equivalent code is available from RSA Data Security, Inc. This code has been tested against that, and is equivalent, except that you don't need to include two pages of legalese with every copy.

To compute the message digest of a chunk of bytes, declare an MD5Context structure, pass it to MD5Init, call MD5Update as needed on buffers full of bytes, and then call MD5Final, which will fill a supplied 16-byte array with the digest.

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## 3.166 libcap-ng 0.7.3 :1ubuntu2

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Version 2.1, February 1999

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

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

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

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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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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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=====

GNUPG Werner Koch 1998-02-23  
Assigns GNU Privacy Guard and future changes.

Assignment for future changes terminated on 2012-12-04.

wk@gnupg.org

Designed and implemented GnuPG.

GNUPG Matthew Skala 1998-08-10

Disclaims changes.

mskala@ansuz.sooke.bc.ca

Wrote cipher/twofish.c.

GNUPG Natural Resources Canada 1998-08-11

Disclaims changes by Matthew Skala.

GNUPG Michael Roth Germany 1998-09-17

Assigns changes.

mroth@nessie.de

Wrote cipher/des.c.

Changes and bug fixes all over the place.

GNUPG Niklas Hernaeus 1998-09-18

Disclaims changes.

nh@df.lth.se

Weak key patches.

GNUPG Rmi Guyomarch 1999-05-25

Assigns past and future changes. (g10/compress.c, g10/encr-data.c,  
g10/free-packet.c, g10/mdfilter.c, g10/plaintext.c, util/iobuf.c)

rguyom@mail.dotcom.fr

ANY g10 Code GmbH 2001-06-07

Assignment for future changes in Libgcrypt terminated on 2012-12-04.

Code marked with ChangeLog entries of g10 Code employees.

LIBGCRYPT Timo Schulz 2001-08-31

Assigns past and future changes.

twoaday@freakmail.de

LIBGCRYPT Simon Josefsson 2002-10-25

Assigns past and future changes to FSF (cipher/{md4,crc}.c, CTR mode,  
CTS/MAC flags, self test improvements)

simon@josefsson.org

LIBGCRYPT Moritz Schulte 2003-04-17

Assigns past and future changes.

moritz@g10code.com

GNUTLS Nikolaos Mavrogiannopoulos 2003-11-22

nmav@gnutls.org

Original code for cipher/rfc2268.c.

LIBGCRYPT The Written Word 2005-04-15  
Assigns past and future changes. (new: src/libgcript.pc.in,  
src/Makefile.am, src/secmem.c, mpi/hppa1.1/mpih-mul3.S,  
mpi/hppa1.1/udiv-qrnnd.S, mpi/hppa1.1/mpih-mul2.S,  
mpi/hppa1.1/mpih-mul1.S, mpi/Makefile.am, tests/prime.c,  
tests/register.c, tests/ac.c, tests/basic.c, tests/tsexp.c,  
tests/keygen.c, tests/pubkey.c, configure.ac, acinclude.m4)

LIBGCRYPT Brad Hards 2006-02-09  
Assigns Past and Future Changes  
bradh@frogmouth.net  
(Added OFB mode. Changed cipher/cipher.c, test/basic.c doc/gcrypt.tex.  
added SHA-224, changed cipher/sha256.c, added HMAC tests.)

LIBGCRYPT Hye-Shik Chang 2006-09-07  
Assigns Past and Future Changes  
perky@freebsd.org  
(SEED cipher)

LIBGCRYPT Werner Dittmann 2009-05-20  
Assigns Past and Future Changes  
werner.dittmann@t-online.de  
(mpi/amd64, tests/mpitests.c)

GNUPG David Shaw  
Assigns past and future changes.  
dshaw@jabberwocky.com  
(cipher/camellia-glu.c and related stuff)

LIBGCRYPT Andrey Jivsov 2010-12-09  
Assigns Past and Future Changes  
openpgp@brainhub.org  
(cipher/ecc.c and related files)

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The ECC code cipher/ecc.c was based on code by Sergi Blanch i Torne, sergi at calcurco dot org.

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

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

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

```
This program is free software: you can redistribute it and/or modify  
it under the terms of the GNU General Public License as published by  
the Free Software Foundation, either version 3 of the License, or  
(at your option) any later version.
```

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

```
You should have received a copy of the GNU General Public License  
along with this program. If not, see <http://www.gnu.org/licenses/>.
```

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:

```
<program> Copyright (C) <year> <name of author>  
This program comes with ABSOLUTELY NO WARRANTY; for details type 'show w'.  
This is free software, and you are welcome to redistribute it  
under certain conditions; type 'show c' for details.
```

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

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Version 2.1, February 1999

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Most GNU software, including some libraries, is covered by the

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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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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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2. You may modify your copy or copies of the Library or any portion

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- 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.)

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

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



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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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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.

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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.

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

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Wrote cipher/twofish.c.

GNUPG Natural Resources Canada 1998-08-11  
Disclaims changes by Matthew Skala.

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g10/free-packet.c, g10/mdfilter.c, g10/plaintext.c, util/iobuf.c)

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Code marked with ChangeLog entries of g10 Code employees.

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Assigns past and future changes.

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LIBGCRYPT Simon Josefsson 2002-10-25

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src/Makefile.am, src/secmem.c, mpi/hppa1.1/mpih-mul3.S,  
mpi/hppa1.1/udiv-qrnd.S, mpi/hppa1.1/mpih-mul2.S,  
mpi/hppa1.1/mpih-mul1.S, mpi/Makefile.am, tests/prime.c,  
tests/register.c, tests/ac.c, tests/basic.c, tests/tsexp.c,  
tests/keygen.c, tests/pubkey.c, configure.ac, acinclude.m4)

LIBGCRYPT Brad Hards 2006-02-09

Assigns Past and Future Changes

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(Added OFB mode. Changed cipher/cipher.c, test/basic.c doc/gcrypt.tex.  
added SHA-224, changed cipher/sha256.c, added HMAC tests.)

LIBGCRYPT Hye-Shik Chang 2006-09-07

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DCO:2012-12-05:Werner Koch <wk at gnupg.org>  
DCO:2012-12-14:Dmitry Kasatkin <dmitry.kasatkin at intel.com>  
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The ECC code cipher/ecc.c was based on code by Sergi Blanch i Torne, sergi at calcurco dot org.

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Assigns GNU Privacy Guard and future changes.  
Assignment for future changes terminated on 2012-12-04.  
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Designed and implemented GnuPG.

GNUPG Matthew Skala 1998-08-10  
Disclaims changes.  
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GNUPG Natural Resources Canada 1998-08-11  
Disclaims changes by Matthew Skala.

GNUPG Michael Roth Germany 1998-09-17  
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Changes and bug fixes all over the place.

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GNUPG Rmi Guyomarch 1999-05-25  
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ANY g10 Code GmbH 2001-06-07  
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Code marked with ChangeLog entries of g10 Code employees.

LIBGCRYPT Timo Schulz 2001-08-31  
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Original code for cipher/rfc2268.c.

LIBGCRYPT The Written Word 2005-04-15

Assigns past and future changes. (new: src/libgcript.pc.in,  
src/Makefile.am, src/secmem.c, mpi/hppa1.1/mpih-mul3.S,  
mpi/hppa1.1/udiv-qrnd.S, mpi/hppa1.1/mpih-mul2.S,  
mpi/hppa1.1/mpih-mul1.S, mpi/Makefile.am, tests/prime.c,  
tests/register.c, tests/ac.c, tests/basic.c, tests/texp.c,  
tests/keygen.c, tests/pubkey.c, configure.ac, acinclude.m4)

LIBGCRYPT Brad Hards 2006-02-09

Assigns Past and Future Changes

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(Added OFB mode. Changed cipher/cipher.c, test/basic.c doc/gcrypt.tex.  
added SHA-224, changed cipher/sha256.c, added HMAC tests.)

LIBGCRYPT Hye-Shik Chang 2006-09-07

Assigns Past and Future Changes

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(SEED cipher)

LIBGCRYPT Werner Dittmann 2009-05-20

Assigns Past and Future Changes

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(mpi/amd64, tests/mpitests.c)

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Assigns past and future changes.

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(cipher/camellia-glue.c and related stuff)

LIBGCRYPT Andrey Jivsov 2010-12-09

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Source: lp:libjpeg-turbo

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## 3.186 libjpeg8-empty 8 :2ubuntu8

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## 3.187 liblocale-gettext-perl 1.05-7build3 :7build3

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Maintainer: Phillip Vandry <[vandry@TZoNE.ORG](mailto:vandry@TZoNE.ORG)>

Source: <http://search.cpan.org/dist/Locale-gettext/>

Name: Locale-gettext

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## 3.189 liblog-message-simple-perl 0.10-1 :1

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Format: <http://www.debian.org/doc/packaging-manuals/copyright-format/1.0/>

Upstream-Name: Log-Message-Simple

Source: <https://metacpan.org/release/Log-Message-Simple/>

Upstream-Contact: Chris Williams <[chris@bingosnet.co.uk](mailto:chris@bingosnet.co.uk)>

Files: \*

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## 3.191 libmodule-pluggable-perl 5.1-1 :1

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Upstream-Name: Module-Pluggable

Source: <https://metacpan.org/release/Module-Pluggable/>

Upstream-Contact: Simon Wistow <[simon@thegestalt.org](mailto:simon@thegestalt.org)>

Files: \*

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# 3.192 libncurses5 5.9 :4.0

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Upstream source <http://invisible-island.net/ncurses/ncurses-examples.html>

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## 3.193 libnet 1.1.6+dfsg :2ubuntu1

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libnet 1.1.x

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Sam Roberts <vieuxtech@gmail.com>  
Packaged-By: Domenico Andreoli <cavok@debian.org>  
Stefanos Harhalakis <v13@v13.gr>  
Packaged-Date: Wed May 13 23:21:59 EEST 2009  
Original-Source-Location: <http://libnet-dev.sourceforge.net/>

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```

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```

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lib/netfilter/queue\_msg\_obj.c  
lib/netfilter/queue\_msg.c  
lib/netfilter/queue.c  
lib/netfilter/netfilter.c  
lib/netfilter/queue\_obj.c  
include/netlink/netfilter/netfilter.h  
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## 3.199 libogg 1.3.1 :1ubuntu1

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## 3.200 libparse-debianchangelog-perl 1.2.0

### :1ubuntu1

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## 3.202 libpciaccess 0.13.2-1 :1

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## 3.203 libpipeline 1.3.0 :1

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### 3.205.1 Available under license :

Format: <http://www.debian.org/doc/packaging-manuals/copyright-format/1.0/>

Upstream-Name: Pod-LaTeX

Source: <https://metacpan.org/release/Pod-LaTeX/>

Upstream-Contact: Tim Jenness <tjenness@cpan.org>

Files: \*

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Format: <http://dep.debian.net/deps/dep5>

Upstream-Name: libqb

Source: <https://github.com/asalkeld/libqb/wiki>

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Files: lib/strlcpy.c

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Files: include/qb/qbatomic.h

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Files: \*

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```
This package was debianized by Roland Dreier <rolandd@cisco.com> on
Mon, 21 Jan 2008 13:18:49 -0800
```

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```
It was downloaded from the OpenFabrics web site at
<http://www.openfabrics.org/downloads/rdmacm/>
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Author:

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Sean Hefty <sean.hefty@intel.com>
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October 28, 1997

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Sam Lantinga (slouken@libsdl.org)

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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

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arch-tag: d4250e44-a0e0-4ee0-adb9-2bd74f6eeb27

## 3.211 libsemanage 2.2-1 :1

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

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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

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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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# 3.212 libsemanage 2.2 :1

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This package was debianized by Russell Coker <russell@coker.com.au> on Fri, 20 Aug 2004 17:26:18 +1000.

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Version 2.1, February 1999

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Finally, software patents pose a constant threat to the existence of any free program. We wish to make sure that a company cannot effectively restrict the users of a free program by obtaining a restrictive license from a patent holder. Therefore, we insist that any patent license obtained for a version of the library must be consistent with the full freedom of use specified in this license.

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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.

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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.

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its purpose remains meaningful.

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

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That's all there is to it!

## 3.217 libsub-name-perl 0.05 :1build4

## 3.218 libtasn1-6 3.4 :3ubuntu0.1

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

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

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

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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.

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Upstream Authors: Fabio Fiorina <[fiorinaf@gnutls.org](mailto:fiorinaf@gnutls.org)>  
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Source: <https://metacpan.org/release/Term-UI/>

Upstream-Contact: Chris Williams <chris@bingosnet.co.uk>

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Upstream Author: Tomohiro KUBOTA <kubota@debian.org>

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## 3.221 libtext-iconv-perl 1.7-5build2 :5build2

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It is currently maintained by Anibal Monsalve Salazar <anibal@debian.org>.

Originally downloaded from CPAN:  
<URL:<http://search.cpan.org/search?dist=Text-Iconv>>

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Upstream-Name: Text-Soundex

Source: <https://metacpan.org/release/Text-Soundex/>

Upstream-Contact: Ricardo SIGNES <rjbs@cpan.org>

Files: \*

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## 3.224 libtimedate-perl 2.3000 :1

## 3.225 libtool 2.4.2-1.7ubuntu1 :1.7ubuntu1

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## 3.227 libusb 0.1.12 :23.2ubuntu1

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This package was debianized by Christopher L Cheney <ccheney@debian.org> on Wed, 13 Jun 2001 12:21:44 -0500.

It was downloaded from <http://www.libusb.org>

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## 3.229 libvirt 1.2.2 :0ubuntu13.1.2

### 3.229.1 Available under license :

```
#!/bin/bash
#
# libvirt-migrate-qemu-machinetype
#
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#

# This script probes qemu VMs and migrates the machine type to pc-1.0 if
# it is pc-0.12

set -e

debug() {
    test "$debug" = "yes" && echo "DEBUG: $*" >&2 || true
}

help() {
    cat << EOM
USAGE:
libvirt-migrate-qemu-machinetype -a [-o TYPE] [-t TYPE]
libvirt-migrate-qemu-machinetype [-o TYPE] [-t TYPE] vm1 vm2...

-c connect URI (defaults to qemu:///system)
-a probe all domains and migrate if necessary
-o TYPE migrate specified domains FROM machine type TYPE
```

-t TYPE migrate specified domains to machine type TYPE

Default old type is pc-0.12.

Default new type is pc (which is aliased to the newest type).

EOM

}

```
wait_for_libvirtd() {
    # Used to make sure libvirtd is responding
    virsh -c $connect capabilities >/dev/null 2>&1
    rm -f "$1"
}
```

```
migrate_vm() {
    dir="$1"    # stampdir
    vm="$2"    # vm name
    oldformat="$3" # old machine type
    newformat="$4" # new machine type

    migrate=""
    found=
    in_os=
    fn="$dir/$vm.xml"

    virsh -c $connect dumpxml "$vm" 2>/dev/null > $fn
    sed -i "s@machine='$oldformat'@machine='$newformat'@" $fn
    virsh -c $connect define "$fn" >/dev/null
    rm -rf "$dir"
}
```

```
connect="qemu:///system"
do_all=
debug=
oldtype="pc-0.12"
type="pc"
while getopts adc:ot: f ; do
    case "$f" in
        a) do_all="yes";;
        c) connect=$OPTARG;;
        d) debug="yes";;
        o) oldtype=$OPTARG;;
        t) type=$OPTARG;;
        \?) help; exit 1;;
    esac
done
shift `expr $OPTIND - 1`

type kvm 2>/dev/null > /dev/null
```

```

if [ $? -ne 0 ]; then
    echo "qemu-kvm is not installed"
    exit 1
fi
mtypes='kvm -M ? | tail -n +1 | awk '{ print $1 }'

mtypesp='echo $mtypes | sed -e 's/ //g'
if [ -n "$type" ] && ! echo "$type" | egrep -q "^(${mtypesp})$"; then
    echo "'$type' is not supported. See 'man qemu-img' for details." >&2
    exit 1
fi

if [ "$connect" != "qemu:///system" ] && [ "$connect" != "qemu:///session" ]; then
    echo "Only qemu:///system and qemu:///session is supported" >&2
    exit 1
fi

xml_dir="/etc/libvirt/qemu"
if [ "$connect" = "qemu:///session" ]; then
    xml_dir="$HOME/.libvirt/qemu"
fi

vms=
if [ "$do_all" = "yes" ]; then
    # grab these from /etc/libvirt/qemu/*.xml rather than virsh, since it
    # is a) the qemu driver that changed and b) virsh could hang
    cd "$xml_dir"
    vms='ls -1 *.xml 2>/dev/null | sed 's/\^.xml$//''
    if [ -z "$vms" ]; then
        debug "no VMs to migrate"
        exit 0
    fi
    cd - >/dev/null
else
    vms="$*"
fi

if [ -z "$vms" ]; then
    help
    exit 1
fi

mypid="$$"
script='basename $0'

# Alas, we need to make sure libvirtd is not only running, but responding to
# requests, otherwise migrate_vm() will fail for the first few VMs.
if [ "$connect" = "qemu:///system" ]; then

```

```

pidfile="/var/run/libvirtd.pid"

# Wait up to 10 seconds for libvirtd to come up before bailing.
echo "Waiting up to 10 seconds for libvirtd to start... "
count=0
while [ ! -e "$pidfile" ]; do
    if [ $count -gt 100 ]; then
        break
    fi
    sleep 0.1
    count=$((count+1))
done
if [ ! -e "$pidfile" ]; then
    echo "Aborting. '$pidfile' does not exist. Is libvirtd running?"
    exit 1
fi

stamp='mktemp'
wait_for_libvirtd "$stamp" &

# Wait up to 30 seconds for libvirtd to respond before bailing.
echo "Waiting up to 30 seconds for libvirtd to respond to requests... "
count=0
while [ -e "$stamp" ]; do
    if [ $count -gt 300 ]; then
        break
    fi
    sleep 0.1
    count=$((count+1))
done
if [ -e "$stamp" ]; then
    echo "libvirtd is not responding. Aborting"
    kill 'ps a | grep "/bin/sh .*libvirt-migrate-qemu-machinetype" | grep -v "$mypid" | awk '{print $1}' 2>/dev/null ||
true
    rm -f "$stamp"
    exit 1
fi
fi
echo "Checking domains defined in $xml_dir... "

for i in $vms ; do
    debug "checking $i"
    stampdir='mktemp -d'

    migrate_vm "$stampdir" "$i" "$oldtype" "$type" &

    count=0
    while [ -d "$stampdir" ]; do

```

```
debug $count
if [ $count -gt 100 ]; then
    break
fi
sleep 0.1
count=$((count+1))
done
if [ -d "$stampdir" ]; then
    echo "migrate_vm \"$i\" is not responding. Aborting"
    kill 'ps a | grep "/bin/sh .*libvirt-migrate-qemu-machinetype" | grep -v "$mypid" | awk '{print $1}' 2>/dev/null ||
true
    rm -rf "$stampdir"
fi
done
```

echo "Migration complete"

libvirt was initially debianized by Andrew Mitchell <ajmitch@ubuntu.com>

It was downloaded from <http://libvirt.org/sources/>

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src/hash.c:

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## :3ubuntu4.3

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for merging the nxt2002 and nxt2004 modules into a  
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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.

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\* 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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Firmware provided as part of an XC4000 Linux developers kit by Brian Mathews <bmathews@xceive.com> to Devin Heitmueller <dheitmueller@kernellabs.org> on July 1, 2009.

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\*  
\* \$Id: sha2.c,v 1.1 2001/11/08 00:01:51 adg Exp adg \$  
\*/  
File: LLM\_sp\_sha2.c

/\*  
\* FILE: sha2.h  
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\*  
\* \$Id: sha2.h,v 1.1 2001/11/08 00:02:01 adg Exp adg \$  
\*/  
File: LLM\_sp\_sha2.h

=====  
2.

/\* utility to create the register check tables  
\* this includes inlined list.h safe for userspace.  
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\*/

File: comm\_lib.h

3.

```
/* crypto/aes/aes.h -*- mode:C; c-file-style: "eay" -*- */
```

```
/* =====
```

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```

```

* =====
*
*/

```

File Name list: aes.h, aes\_locl.h

```

=====

```

#### 4.

```

/* crypto/aes/aes_core.c -*- mode:C; c-file-style: "eay" -*- */
/**
 * rijndael-alg-fst.c
 *
 * @version 3.0 (December 2000)
 *
 * Optimised ANSI C code for the Rijndael cipher (now AES)
 *
 * @author Vincent Rijmen <vincent.rijmen@esat.kuleuven.ac.be>
 * @author Antoon Bosselaers <antoon.bosselaers@esat.kuleuven.ac.be>
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*/

```

5.

/\*-----\*/

#### EDIT HISTORY FOR FILE

\$Header: //depot/asic/msmshared/sec/sec/MSM\_SEC.03.03.08.xx/aes.h#1 \$

\$DateTime: 2006/12/11 00:43:21 \$ \$Author: davidf \$

when who what, where, why

-----  
11/12/04 rv changes to correct LINT errors

02/02/04 rwh Small mods to open source.

-----\*/

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Dr B. R. Gladman <brg@gladman.uk.net> 1st June 2001.

This is an implementation of the AES encryption algorithm (Rijndael) designed by Joan Daemen and Vincent Rijmen. This version is designed to provide both fixed and dynamic block and key lengths and can also run with either big or little endian internal byte order.

NOTE: Input block and key lengths are given in terms of the lengths of the byte arrays involved, the legal values being 16, 24 and 32.

#### A. THE CIPHER INTERFACE

byte (an unsigned 8-bit type)  
word (an unsigned 32-bit type)  
aes\_ret: (a signed 16 bit type for function return values)  
    aes\_good (value != 0, a good return)  
    aes\_bad (value == 0, an error return)  
enum aes\_key: (encryption direction)  
    enc (set key for encryption)  
    dec (set key for decryption)

both (set key for both)  
class or struct aes (structure for context)

C subroutine calls:

```
aes_ret set_blk(const word block_length, aes *cx) (variable block size)
aes_ret set_key(const byte key[], const word key_length,
               const enum aes_key direction, aes *cx)
aes_ret encrypt(const byte input_blk[], byte output_blk[], const aes *cx)
aes_ret decrypt(const byte input_blk[], byte output_blk[], const aes *cx)
```

**IMPORTANT NOTE:** If you are using this C interface and your compiler does not set the memory used for objects to zero before use, you will need to ensure that `cx.mode` is set to zero before using the C subroutine calls.

C++ aes class subroutines:

```
aes_ret set_blk(const word block_length) (variable block size)
aes_ret set_key(const byte key[], const word key_length,
               const aes_key direction)
aes_ret encrypt(const byte input_blk[], byte output_blk[]) const
aes_ret decrypt(const byte input_blk[], byte output_blk[]) const
```

The block length inputs to `set_block` and `set_key` are in numbers of BYTES, not bits. The calls to subroutines must be made in the above order but multiple calls can be made without repeating earlier calls if their parameters have not changed. If the cipher block length is variable but `set_blk` has not been called before cipher operations a value of 16 is assumed (that is, the AES block size). In contrast to earlier versions the block and key length parameters are now checked for correctness and the encryption and decryption routines check to ensure that an appropriate key has been set before they are called.

## B. BYTE ORDER WITHIN 32 BIT WORDS

The fundamental data processing units in Rijndael are 8-bit bytes. The input, the output and the key input are all enumerated arrays of bytes in which bytes are numbered starting at zero and increasing to one less than the number of bytes in the array in question. When these inputs and outputs are considered as bit sequences, the *n*'th byte contains bits  $8n$  to  $8n+7$  of the sequence with the lower numbered bit mapped to the most significant bit within the byte (i.e. that having a numeric value of 128). However, Rijndael can be implemented more efficiently using 32-bit words to process 4 bytes at a time provided that the order of bytes within words is known. This order is called big-endian if the lowest numbered bytes in words have the highest numeric significance and little-endian if the opposite applies. This code can work in either order irrespective of the native order of the machine on which it runs.

The byte order used internally is set by defining `INTERNAL_BYTE_ORDER` whereas the order for all inputs and outputs is specified by defining `EXTERNAL_BYTE_ORDER`, the only purpose of the latter being to determine if a byte order change is needed immediately after input and immediately before output to account for the use of a different internal byte order. In almost all situations both of these defines will be set to the native order of the processor on which the code is to run but other settings may sometimes be useful in special circumstances.

```
#define INTERNAL_BYTE_ORDER LITTLE_ENDIAN
#define EXTERNAL_BYTE_ORDER LITTLE_ENDIAN
```

### C. COMPILATION

To compile AES (Rijndael) for use in C code

- a. Exclude the `AES_DLL` define in `aes.h`
- b. Exclude the `AES_IN_CPP` define in `aes.h`

To compile AES (Rijndael) for use in C++ code

- a. Exclude the `AES_DLL` define in `aes.h`
- b. Include the `AES_IN_CPP` define in `aes.h`

To compile AES (Rijndael) in C as a Dynamic Link Library

- a. Include the `AES_DLL` define in `aes.h`
- b. Compile the DLL. If using the test files, exclude `aes.c` from the test build project and compile it with the same defines as used for the DLL (ensure that the DLL path is correct)

### D. CONFIGURATION OPTIONS (see also `aes.c`)

1. define `BLOCK_SIZE` to set the cipher block size (16, 24 or 32) or leave this undefined for dynamically variable block size (this will result in much slower code).
2. set `AES_IN_CPP` to use the code from C++ rather than C
3. set `AES_DLL` if AES (Rijndael) is to be compiled to a DLL
4. set `INTERNAL_BYTE_ORDER` to one of the above constants to set the internal byte order (the order used within the algorithm code)
5. set `EXTERNAL_BYTE_ORDER` to one of the above constants to set the byte order used at the external interfaces for the input, output and key byte arrays.

IMPORTANT NOTE: `BLOCK_SIZE` is in BYTES: 16, 24, 32 or undefined for `aes.c` and 16, 20, 24, 28, 32 or undefined for `aes++.c`. If left undefined a slower version providing variable block length is compiled

```
#define BLOCK_SIZE 16
```

Define `AES_IN_CPP` if you intend to use the AES C++ class rather than the

C code directly.

```
#define AES_IN_CPP
```

Define AES\_DLL if you wish to compile the code to produce a Windows DLL

```
#define AES_DLL
```

```
*/
```

```
File: aes.h
```

```
/*=====
```

#### EDIT HISTORY FOR FILE

```
$Header: //depot/asic/msmshared/sec/sec/MSM_SEC.03.03.08.xx/aes_tab.h#1 $
```

```
$DateTime: 2006/12/11 00:43:21 $ $Author: davidf $
```

```
when   who   what, where, why
```

```
----- ---  -----
```

```
11/12/04  rv   changes to correct LINT errors
```

```
02/02/04  rwh   Small mods to open source.
```

```
=====*/
```

```
/*lint -e146 -e303 */
```

```
/* 146: Assuming a binary constant */
```

```
/* 303: String too long (try +macros) */
```

```
/*
```

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Dr B. R. Gladman <brg@gladman.uk.net> 1st June 2001.

```
*/
```

```
File: aes_tab.h
```

```
=====
```

6.

```
=====
```

```
#FILE:Confctest.py
```

```
# Copyright (c) 2003 Stichting NLnet Labs
```

```
# Copyright (c) 2001, 2002, 2003 Steven Knight
```

```
#
```

```
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#
#
# The purpose of this module is to define how a check is to be performed.
# Use one of the Check...() functions below.
#
#
# A context class is used that defines functions for carrying out the tests,
# logging and messages. The following methods and members must be present:
#
# context.Display(msg) Function called to print messages that are normally
#         displayed for the user. Newlines are explicitly used.
#         The text should also be written to the logfile!
#
# context.Log(msg)   Function called to write to a log file.
#
# context.BuildProg(text, ext)
#         Function called to build a program, using "ext" for the
#         file extension. Must return an empty string for
#         success, an error message for failure.
#         For reliable test results building should be done just
#         like an actual program would be build, using the same
#         command and arguments (including configure results so
#         far).
#
# context.CompileProg(text, ext)
#         Function called to compile a program, using "ext" for
#         the file extension. Must return an empty string for
#         success, an error message for failure.
```



```

#           For reliable test results compiling should be done just
#           like an actual source file would be compiled, using the
#           same command and arguments (including configure results
#           so far).
#
# context.AppendLIBS(lib_name_list)
#           Append "lib_name_list" to the value of LIBS.
#           "lib_namelist" is a list of strings.
#           Return the value of LIBS before changing it (any type
#           can be used, it is passed to SetLIBS() later.)
#
# context.PrependLIBS(lib_name_list)
#           Prepend "lib_name_list" to the value of LIBS.
#           "lib_namelist" is a list of strings.
#           Return the value of LIBS before changing it (any type
#           can be used, it is passed to SetLIBS() later.)
#
# context.SetLIBS(value)
#           Set LIBS to "value". The type of "value" is what
#           AppendLIBS() returned.
#           Return the value of LIBS before changing it (any type
#           can be used, it is passed to SetLIBS() later.)
#
# context.headerfilename
#           Name of file to append configure results to, usually
#           "confdefs.h".
#           The file must not exist or be empty when starting.
#           Empty or None to skip this (some tests will not work!).
#
# context.config_h    (may be missing). If present, must be a string, which
#           will be filled with the contents of a config_h file.
#
# context.vardict     Dictionary holding variables used for the tests and
#           stores results from the tests, used for the build
#           commands.
#           Normally contains "CC", "LIBS", "CPPFLAGS", etc.
#
# context.havedict    Dictionary holding results from the tests that are to
#           be used inside a program.
#           Names often start with "HAVE_". These are zero
#           (feature not present) or one (feature present). Other
#           variables may have any value, e.g., "PERLVERSION" can
#

```

```

=====
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```

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```
Gnomovision version 69, Copyright (C) year name of author
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```

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```
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```

```
<signature of Ty Coon>, 1 April 1989
Ty Coon, President of Vice
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```
agere_sta_fw.bin -- 9.48 Hermes I
agere_ap_fw.bin -- 9.48 Hermes I
```

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---

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The Linux driver architecture was based on two modules, the MSF (Module specific functions) and the HCF (Hardware Control Functions). Included in the HCF is run-time firmware (binary format) which is downloaded into the RAM of the Hermes 1/2/2.5 WMAC.

This hex coded firmware is not based on any open source software and hence it is not subject to any Open Source License. The firmware was developed by Agere and runs on the DISC processor embedded within the Hermes 1/2/2.5 Wireless MAC devices.

Hope this helps.

Sincerely,

Viren Pathare  
Intellectual Property Licensing Manager  
Agere

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NOTE: this firmware was generated from `img_cb35_fw_duplex.h` contained in the GPL source release of the Maxtor Shared Storage II product available here:

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The README file from the original package from Micronas appears below. Only the part about the firmware redistribution in section 0 is relevant, all other sections are completely obsolete.

-----  
WIS GO7007SB Public Linux Driver  
-----

\*\*\* Please see the file RELEASE-NOTES for important last-minute updates \*\*\*

## 0. OVERVIEW AND LICENSING/DISCLAIMER

This driver kit contains Linux drivers for the WIS GO7007SB multi-format video encoder. Only kernel version 2.6.x is supported. The video stream is available through the Video4Linux2 API and the audio stream is available through the ALSA API (or the OSS emulation layer of the ALSA system).

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## 1. SYSTEM REQUIREMENTS

This driver requires Linux kernel 2.6. Kernel 2.4 is not supported. Using kernel 2.6.10 or later is recommended, as earlier kernels are known to have unstable USB 2.0 support.

A fully built kernel source tree must be available. Typically this will be linked from `"/lib/modules/<KERNEL VERSION>/build"` for convenience. If this link does not exist, an extra parameter will need to be passed to the ``make`` command.

All vendor-built kernels should already be configured properly. However, for custom-built kernels, the following options need to be enabled in the kernel as built-in or modules:

CONFIG\_HOTPLUG - Support for hot-pluggable devices  
CONFIG\_MODULES - Enable loadable module support  
CONFIG\_KMOD - Automatic kernel module loading  
CONFIG\_FW\_LOADER - Hotplug firmware loading support  
CONFIG\_I2C - I2C support  
CONFIG\_VIDEO\_DEV - Video For Linux  
CONFIG\_SOUND - Sound card support  
CONFIG\_SND - Advanced Linux Sound Architecture  
CONFIG\_USB - Support for Host-side USB  
CONFIG\_USB\_DEVICEFS - USB device filesystem  
CONFIG\_USB\_EHCI\_HCD - EHCI HCD (USB 2.0) support

Additionally, to use the example application, the following options need to be enabled in the ALSA section:

CONFIG\_SND\_MIXER\_OSS - OSS Mixer API  
CONFIG\_SND\_PCM\_OSS - OSS PCM (digital audio) API

The hotplug scripts, along with the fxload utility, must also be installed. These scripts can be obtained from <<http://linux-hotplug.sourceforge.net/>>. Hotplugging is used for loading firmware into the Cypress EZ-USB chip using fxload and for loading firmware into the driver using the firmware agent.

## 2. COMPILING AND INSTALLING THE DRIVER

Most users should be able to compile the driver by simply running:

```
$ make
```

in the top-level directory of the driver kit. First the kernel modules will be built, followed by the example applications.

If the build system is unable to locate the kernel source tree for the currently-running kernel, or if the module should be built for a kernel other than the currently-running kernel, an additional parameter will need to be passed to make to specify the appropriate kernel source directory:

```
$ make KERNELSRC=/usr/src/linux-2.6.10-custom3
```

Once the compile completes, the driver and firmware files should be installed by running:

```
$ make install
```

The kernel modules will be placed in "/lib/modules/<KERNEL VERSION>/extra"



and the firmware files will be placed in the appropriate hotplug firmware directory, usually /lib/firmware. In addition, USB maps and scripts will be placed in /etc/hotplug/usb to enable fxload to initialize the EZ-USB control chip when the device is connected.

### 3. PAL/SECAM TUNER CONFIGURATION (TV402U-EU only)

The PAL model of the Plextor ConvertX TV402U may require additional configuration to correctly select the appropriate TV frequency band and audio subchannel.

Users with a device other than the Plextor ConvertX TV402U-EU should skip this section.

The wide variety of PAL TV systems used in Europe requires that additional information about the local TV standards be passed to the driver in order to properly tune TV channels. The two necessary parameters are (a) the PAL TV band, and (b) the audio subchannel format in use.

In many cases, the appropriate TV band selection is passed to the driver from applications. However, in some cases, the application only specifies that the driver should use PAL but not the specific information about the appropriate TV band. To work around this issue, the correct TV band may be specified in the "force\_band" parameter to the wis-sony-tuner module:

TV band	force_band
-----	-----
PAL B/G	B
PAL I	I
PAL D/K	D
SECAM L	L

If the "force\_band" parameter is specified, the driver will ignore any TV band specified by applications and will always use the band provided in the module parameter.

The other parameter that can be specified is the audio subchannel format. There are several stereo audio carrier systems in use, including NICAM and three varieties of A2. To receive audio broadcast on one of these stereo carriers, the "force\_mpx\_mode" parameter must be specified to the wis-sony-tuner module.

TV band	Audio subcarrier	force_mpx_mode
-----	-----	-----
PAL B/G	Mono (default)	1
PAL B/G	A2	2

PAL B/G	NICAM	3
PAL I	Mono (default)	4
PAL I	NICAM	5
PAL D/K	Mono (default)	6
PAL D/K	A2 (1)	7
PAL D/K	A2 (2)	8
PAL D/K	A2 (3)	9
PAL D/K	NICAM	10
SECAM L	Mono (default)	11
SECAM L	NICAM	12

If the "force\_mpx\_mode" parameter is not specified, the correct mono-only mode will be chosen based on the TV band. However, the tuner will not receive stereo audio or bilingual broadcasts correctly.

To pass the "force\_band" or "force\_mpx\_mode" parameters to the wis-sony-tuner module, the following line must be added to the modprobe configuration file, which varies from one Linux distribution to another.

```
options wis-sony-tuner force_band=B force_mpx_mode=2
```

The above example would force the tuner to the PAL B/G TV band and receive stereo audio broadcasts on the A2 carrier.

To verify that the configuration has been placed in the correct location, execute:

```
$ modprobe -c | grep wis-sony-tuner
```

If the configuration line appears, then modprobe will pass the parameters correctly the next time the wis-sony-tuner module is loaded into the kernel.

#### 4. TESTING THE DRIVER

Because few Linux applications are able to correctly capture from Video4Linux2 devices with only compressed formats supported, the new driver should be tested with the "gorecord" application in the apps/ directory.

First connect a video source to the device, such as a DVD player or VCR. This will be captured to a file for testing the driver. If an input source is unavailable, a test file can still be captured, but the video will be black and the audio will be silent.

This application will auto-detect the V4L2 and ALSA/OSS device names of the hardware and will record video and audio to an AVI file for a specified

number of seconds. For example:

```
$ apps/gorecord -duration 60 capture.avi
```

If this application does not successfully record an AVI file, the error messages produced by gorecord and recorded in the system log (usually in /var/log/messages) should provide information to help resolve the problem.

Supplying no parameters to gorecord will cause it to probe the available devices and exit. Use the -help flag for usage information.

## 5. USING THE DRIVER

The V4L2 device implemented by the driver provides a standard compressed format API, within the following criteria:

- \* Applications that only support the original Video4Linux1 API will not be able to communicate with this driver at all.
- \* No raw video modes are supported, so applications like xawtv that expect only uncompressed video will not function.
- \* Supported compression formats are: Motion-JPEG, MPEG1, MPEG2 and MPEG4.
- \* MPEG video formats are delivered as Video Elementary Streams only. Program Stream (PS), Transport Stream (TS) and Packetized Elementary Stream (PES) formats are not supported.
- \* Video parameters such as format and input port may not be changed while the encoder is active.
- \* The audio capture device only functions when the video encoder is actively capturing video. Attempts to read from the audio device when the encoder is inactive will result in an I/O error.
- \* The native format of the audio device is 48Khz 2-channel 16-bit little-endian PCM, delivered through the ALSA system. No audio compression is implemented in the hardware. ALSA may convert to other uncompressed formats on the fly.

The include/ directory contains a C header file describing non-standard features of the GO7007SB encoder, which are described below:

```
GO7007IOC_S_COMP_PARAMS, GO7007IOC_G_COMP_PARAMS
```

These ioctls are used to negotiate general compression parameters.

To query the current parameters, call the `GO7007IOC_G_COMP_PARAMS` ioctl with a pointer to a struct `go7007_comp_params`. If the driver is not set to MPEG format, the `EINVAL` error code will be returned.

To change the current parameters, initialize all fields of a struct `go7007_comp_params` and call the `GO7007_IOC_S_COMP_PARAMS` ioctl with a pointer to this structure. The driver will return the current parameters with any necessary changes to conform to the limitations of the hardware or current compression mode. Any or all fields can be set to zero to request a reasonable default value. If the driver is not set to MPEG format, the `EINVAL` error code will be returned. When I/O is in progress, the `EBUSY` error code will be returned.

Fields in struct `go7007_comp_params`:

`__u32`                    The maximum number of frames in each  
`gop_size`                Group Of Pictures; i.e. the maximum  
                          number of frames minus one between  
                          each key frame.

`__u32`                    The maximum number of sequential  
`max_b_frames`            bidirectionally-predicted frames.  
                          (B-frames are not yet supported.)

`enum go7007_aspect_ratio` The aspect ratio to be encoded in the  
`aspect_ratio`            meta-data of the compressed format.

Choices are:

`GO7007_ASPECT_RATIO_1_1`  
`GO7007_ASPECT_RATIO_4_3_NTSC`  
`GO7007_ASPECT_RATIO_4_3_PAL`  
`GO7007_ASPECT_RATIO_16_9_NTSC`  
`GO7007_ASPECT_RATIO_16_9_PAL`

`__u32`                    Bit-wise OR of control flags (below)  
`flags`

Flags in struct `go7007_comp_params`:

`GO7007_COMP_CLOSED_GOP`    Only produce self-contained GOPs, used  
                          to produce streams appropriate for  
                          random seeking.

`GO7007_COMP_OMIT_SEQ_HEADER` Omit the stream sequence header.

## GO7007IOC\_S\_MPEG\_PARAMS, GO7007IOC\_G\_MPEG\_PARAMS

These ioctls are used to negotiate MPEG-specific stream parameters when the pixelformat has been set to V4L2\_PIX\_FMT\_MPEG.

To query the current parameters, call the GO7007IOC\_G\_MPEG\_PARAMS ioctl with a pointer to a struct go7007\_mpeg\_params. If the driver is not set to MPEG format, the EINVAL error code will be returned.

To change the current parameters, initialize all fields of a struct go7007\_mpeg\_params and call the GO7007\_IOC\_S\_MPEG\_PARAMS ioctl with a pointer to this structure. The driver will return the current parameters with any necessary changes to conform to the limitations of the hardware or selected MPEG mode. Any or all fields can be set to zero to request a reasonable default value. If the driver is not set to MPEG format, the EINVAL error code will be returned. When I/O is in progress, the EBUSY error code will be returned.

Fields in struct go7007\_mpeg\_params:

```
enum go7007_mpeg_video_standard
    mpeg_video_standard    The MPEG video standard in which to
                          compress the video.
```

Choices are:

```
GO7007_MPEG_VIDEO_MPEG1
GO7007_MPEG_VIDEO_MPEG2
GO7007_MPEG_VIDEO_MPEG4
```

```
__u32    Bit-wise OR of control flags (below)
flags
```

```
__u32    The profile and level indication to be
pali     stored in the sequence header. This
         is only used as an indicator to the
         decoder, and does not affect the MPEG
         features used in the video stream.
         Not valid for MPEG1.
```

Choices for MPEG2 are:

```
GO7007_MPEG2_PROFILE_MAIN_MAIN
```

Choices for MPEG4 are:

```
GO7007_MPEG4_PROFILE_S_L0
GO7007_MPEG4_PROFILE_S_L1
GO7007_MPEG4_PROFILE_S_L2
GO7007_MPEG4_PROFILE_S_L3
GO7007_MPEG4_PROFILE_ARTS_L1
```

GO7007\_MPEG4\_PROFILE\_ARTS\_L2  
GO7007\_MPEG4\_PROFILE\_ARTS\_L3  
GO7007\_MPEG4\_PROFILE\_ARTS\_L4  
GO7007\_MPEG4\_PROFILE\_AS\_L0  
GO7007\_MPEG4\_PROFILE\_AS\_L1  
GO7007\_MPEG4\_PROFILE\_AS\_L2  
GO7007\_MPEG4\_PROFILE\_AS\_L3  
GO7007\_MPEG4\_PROFILE\_AS\_L4  
GO7007\_MPEG4\_PROFILE\_AS\_L5

Flags in struct go7007\_mpeg\_params:

GO7007\_MPEG\_FORCE\_DVD\_MODE Force all compression parameters and  
bitrate control settings to comply  
with DVD MPEG2 stream requirements.  
This overrides most compression and  
bitrate settings!

GO7007\_MPEG\_OMIT\_GOP\_HEADER Omit the GOP header.

GO7007\_MPEG\_REPEAT\_SEQHEADER Repeat the MPEG sequence header at  
the start of each GOP.

GO7007IOC\_S\_BITRATE, GO7007IOC\_G\_BITRATE

These ioctls are used to set and query the target bitrate value for the  
compressed video stream. The bitrate may be selected by storing the  
target bits per second in an int and calling GO7007IOC\_S\_BITRATE with a  
pointer to the int. The bitrate may be queried by calling  
GO7007IOC\_G\_BITRATE with a pointer to an int where the current bitrate  
will be stored.

Note that this is the primary means of controlling the video quality  
for all compression modes, including V4L2\_PIX\_FMT\_MJPEG. The  
VIDIOC\_S\_JPEGCOMP ioctl is not supported.

---

### Installing the WIS PCI Voyager Driver

---

The WIS PCI Voyager driver requires several patches to the Linux 2.6.11.x  
kernel source tree before compiling the driver. These patches update the  
in-kernel SAA7134 driver to the newest development version and patch bugs  
in the TDA8290/TDA8275 tuner driver.

The following patches must be downloaded from Gerd Knorr's website and

applied in the order listed:

<http://dl.bytesex.org/patches/2.6.11-2/i2c-tuner>  
<http://dl.bytesex.org/patches/2.6.11-2/i2c-tuner2>  
<http://dl.bytesex.org/patches/2.6.11-2/v4l2-api-mpeg>  
<http://dl.bytesex.org/patches/2.6.11-2/saa7134-update>

The following patches are included with this SDK and can be applied in any order:

patches/2.6.11/saa7134-voyager.diff  
patches/2.6.11/tda8275-newaddr.diff  
patches/2.6.11/tda8290-ntsc.diff

Check to make sure the CONFIG\_VIDEO\_SAA7134 option is enabled in the kernel configuration, and build and install the kernel.

After rebooting into the new kernel, the GO7007 driver can be compiled and installed:

```
$ make SAA7134_BUILD=y  
$ make install  
$ modprobe saa7134-go7007
```

There will be two V4L video devices associated with the PCI Voyager. The first device (most likely /dev/video0) provides access to the raw video capture mode of the SAA7133 device and is used to configure the source video parameters and tune the TV tuner. This device can be used with xawtv or other V4L(2) video software as a standard uncompressed device.

The second device (most likely /dev/video1) provides access to the compression functions of the GO7007. It can be tested using the gorecord application in the apps/ directory of this SDK:

```
$ apps/gorecord -vdevice /dev/video1 -noaudio test.avi
```

Currently the frame resolution is fixed at 720x480 (NTSC) or 720x576 (PAL), and the video standard must be specified to both the raw and the compressed video devices (xawtv and gorecord, for example).

-----  
RELEASE NOTES FOR WIS GO7007SB LINUX DRIVER  
-----

Last updated: 5 November 2005

- Release 0.9.7 includes new support for using udev to run fxload. The

install script should automatically detect whether the old hotplug scripts or the new udev rules should be used. To force the use of hotplug, run "make install USE\_UDEV=n". To force the use of udev, run "make install USE\_UDEV=y".

- Motion detection is supported but undocumented. Try the `modet` app for a demonstration of how to use the facility.
- Using USB2.0 devices such as the TV402U with USB1.1 HCDs or hubs can cause buffer overruns and frame drops, even at low framerates, due to inconsistency in the bitrate control mechanism.
- On devices with an SAA7115, including the Plextor ConvertX, video height values of 96, 128, 160, 192, 256, 320, and 384 do not work in NTSC mode. All valid heights up to 512 work correctly in PAL mode.
- The WIS Star Trek and PCI Voyager boards have no support yet for audio or the TV tuner.

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The firmware files "dvb-usb-it9135-01.fw" and "dvb-usb-it9135-02.fw" are for ITEtech it9135 Ax and Bx chip versions.

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Firmware provided as part of an XC500C Linux developers kit by Ramon Cazares <Ramon.Cazares@CrestaTech.com> to Devin Heitmueller dheitmueller@linuxtv.org on July 25, 2012.

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## 3.243 linux-firmware 1.127.11

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\*\*\*\*\*/

The README file from the original package from Micronas appears below. Only the part about the firmware redistribution in section 0 is relevant, all other sections are completely obsolete.

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WIS GO7007SB Public Linux Driver  
-----

\*\*\* Please see the file RELEASE-NOTES for important last-minute updates \*\*\*

## 0. OVERVIEW AND LICENSING/DISCLAIMER

This driver kit contains Linux drivers for the WIS GO7007SB multi-format video encoder. Only kernel version 2.6.x is supported. The video stream is available through the Video4Linux2 API and the audio stream is available through the ALSA API (or the OSS emulation layer of the ALSA system).

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## 1. SYSTEM REQUIREMENTS

This driver requires Linux kernel 2.6. Kernel 2.4 is not supported. Using kernel 2.6.10 or later is recommended, as earlier kernels are known to have unstable USB 2.0 support.

A fully built kernel source tree must be available. Typically this will be linked from `"/lib/modules/<KERNEL VERSION>/build"` for convenience. If this link does not exist, an extra parameter will need to be passed to the ``make`` command.

All vendor-built kernels should already be configured properly. However, for custom-built kernels, the following options need to be enabled in the kernel as built-in or modules:

<code>CONFIG_HOTPLUG</code>	- Support for hot-pluggable devices
<code>CONFIG_MODULES</code>	- Enable loadable module support
<code>CONFIG_KMOD</code>	- Automatic kernel module loading
<code>CONFIG_FW_LOADER</code>	- Hotplug firmware loading support
<code>CONFIG_I2C</code>	- I2C support
<code>CONFIG_VIDEO_DEV</code>	- Video For Linux
<code>CONFIG_SOUND</code>	- Sound card support
<code>CONFIG_SND</code>	- Advanced Linux Sound Architecture
<code>CONFIG_USB</code>	- Support for Host-side USB
<code>CONFIG_USB_DEVICEFS</code>	- USB device filesystem
<code>CONFIG_USB_EHCI_HCD</code>	- EHCI HCD (USB 2.0) support

Additionally, to use the example application, the following options need to be enabled in the ALSA section:

<code>CONFIG_SND_MIXER_OSS</code>	- OSS Mixer API
<code>CONFIG_SND_PCM_OSS</code>	- OSS PCM (digital audio) API

The hotplug scripts, along with the `fxload` utility, must also be installed. These scripts can be obtained from <http://linux-hotplug.sourceforge.net/>. Hotplugging is used for loading firmware into the Cypress EZ-USB chip using `fxload` and for loading firmware into the driver using the firmware agent.

## 2. COMPILING AND INSTALLING THE DRIVER

Most users should be able to compile the driver by simply running:

```
$ make
```

in the top-level directory of the driver kit. First the kernel modules will be built, followed by the example applications.

If the build system is unable to locate the kernel source tree for the currently-running kernel, or if the module should be built for a kernel other than the currently-running kernel, an additional parameter will need to be passed to make to specify the appropriate kernel source directory:

```
$ make KERNELSRC=/usr/src/linux-2.6.10-custom3
```

Once the compile completes, the driver and firmware files should be installed by running:

```
$ make install
```

The kernel modules will be placed in "/lib/modules/<KERNEL VERSION>/extra" and the firmware files will be placed in the appropriate hotplug firmware directory, usually /lib/firmware. In addition, USB maps and scripts will be placed in /etc/hotplug/usb to enable fxload to initialize the EZ-USB control chip when the device is connected.

### 3. PAL/SECAM TUNER CONFIGURATION (TV402U-EU only)

The PAL model of the Plextor ConvertX TV402U may require additional configuration to correctly select the appropriate TV frequency band and audio subchannel.

Users with a device other than the Plextor ConvertX TV402U-EU should skip this section.

The wide variety of PAL TV systems used in Europe requires that additional information about the local TV standards be passed to the driver in order to properly tune TV channels. The two necessary parameters are (a) the PAL TV band, and (b) the audio subchannel format in use.

In many cases, the appropriate TV band selection is passed to the driver from applications. However, in some cases, the application only specifies that the driver should use PAL but not the specific information about the appropriate TV band. To work around this issue, the correct TV band may be specified in the "force\_band" parameter to the wis-sony-tuner module:

TV band	force_band
-----	-----
PAL B/G	B
PAL I	I
PAL D/K	D

## SECAM L L

If the "force\_band" parameter is specified, the driver will ignore any TV band specified by applications and will always use the band provided in the module parameter.

The other parameter that can be specified is the audio subchannel format. There are several stereo audio carrier systems in use, including NICAM and three varieties of A2. To receive audio broadcast on one of these stereo carriers, the "force\_mpx\_mode" parameter must be specified to the wis-sony-tuner module.

TV band	Audio subcarrier	force_mpx_mode
-----	-----	-----
PAL B/G	Mono (default)	1
PAL B/G	A2	2
PAL B/G	NICAM	3
PAL I	Mono (default)	4
PAL I	NICAM	5
PAL D/K	Mono (default)	6
PAL D/K	A2 (1)	7
PAL D/K	A2 (2)	8
PAL D/K	A2 (3)	9
PAL D/K	NICAM	10
SECAM L	Mono (default)	11
SECAM L	NICAM	12

If the "force\_mpx\_mode" parameter is not specified, the correct mono-only mode will be chosen based on the TV band. However, the tuner will not receive stereo audio or bilingual broadcasts correctly.

To pass the "force\_band" or "force\_mpx\_mode" parameters to the wis-sony-tuner module, the following line must be added to the modprobe configuration file, which varies from one Linux distribution to another.

```
options wis-sony-tuner force_band=B force_mpx_mode=2
```

The above example would force the tuner to the PAL B/G TV band and receive stereo audio broadcasts on the A2 carrier.

To verify that the configuration has been placed in the correct location, execute:

```
$ modprobe -c | grep wis-sony-tuner
```

If the configuration line appears, then modprobe will pass the parameters correctly the next time the wis-sony-tuner module is loaded into the kernel.

#### 4. TESTING THE DRIVER

Because few Linux applications are able to correctly capture from Video4Linux2 devices with only compressed formats supported, the new driver should be tested with the "gorecord" application in the apps/ directory.

First connect a video source to the device, such as a DVD player or VCR. This will be captured to a file for testing the driver. If an input source is unavailable, a test file can still be captured, but the video will be black and the audio will be silent.

This application will auto-detect the V4L2 and ALSA/OSS device names of the hardware and will record video and audio to an AVI file for a specified number of seconds. For example:

```
$ apps/gorecord -duration 60 capture.avi
```

If this application does not successfully record an AVI file, the error messages produced by gorecord and recorded in the system log (usually in /var/log/messages) should provide information to help resolve the problem.

Supplying no parameters to gorecord will cause it to probe the available devices and exit. Use the -help flag for usage information.

#### 5. USING THE DRIVER

The V4L2 device implemented by the driver provides a standard compressed format API, within the following criteria:

- \* Applications that only support the original Video4Linux1 API will not be able to communicate with this driver at all.
- \* No raw video modes are supported, so applications like xawtv that expect only uncompressed video will not function.
- \* Supported compression formats are: Motion-JPEG, MPEG1, MPEG2 and MPEG4.
- \* MPEG video formats are delivered as Video Elementary Streams only. Program Stream (PS), Transport Stream (TS) and Packetized Elementary Stream (PES) formats are not supported.
- \* Video parameters such as format and input port may not be changed while the encoder is active.

\* The audio capture device only functions when the video encoder is actively capturing video. Attempts to read from the audio device when the encoder is inactive will result in an I/O error.

\* The native format of the audio device is 48Khz 2-channel 16-bit little-endian PCM, delivered through the ALSA system. No audio compression is implemented in the hardware. ALSA may convert to other uncompressed formats on the fly.

The include/ directory contains a C header file describing non-standard features of the GO7007SB encoder, which are described below:

GO7007IOC\_S\_COMP\_PARAMS, GO7007IOC\_G\_COMP\_PARAMS

These ioctls are used to negotiate general compression parameters.

To query the current parameters, call the GO7007IOC\_G\_COMP\_PARAMS ioctl with a pointer to a struct go7007\_comp\_params. If the driver is not set to MPEG format, the EINVAL error code will be returned.

To change the current parameters, initialize all fields of a struct go7007\_comp\_params and call the GO7007\_IOC\_S\_COMP\_PARAMS ioctl with a pointer to this structure. The driver will return the current parameters with any necessary changes to conform to the limitations of the hardware or current compression mode. Any or all fields can be set to zero to request a reasonable default value. If the driver is not set to MPEG format, the EINVAL error code will be returned. When I/O is in progress, the EBUSY error code will be returned.

Fields in struct go7007\_comp\_params:

\_\_u32                    The maximum number of frames in each  
gop\_size                Group Of Pictures; i.e. the maximum  
                          number of frames minus one between  
                          each key frame.

\_\_u32                    The maximum number of sequential  
max\_b\_frames            bidirectionally-predicted frames.  
                          (B-frames are not yet supported.)

enum go7007\_aspect\_ratio    The aspect ratio to be encoded in the  
aspect\_ratio                meta-data of the compressed format.

Choices are:

GO7007\_ASPECT\_RATIO\_1\_1

GO7007\_ASPECT\_RATIO\_4\_3\_NTSC

GO7007\_ASPECT\_RATIO\_4\_3\_PAL  
GO7007\_ASPECT\_RATIO\_16\_9\_NTSC  
GO7007\_ASPECT\_RATIO\_16\_9\_PAL

\_\_u32                    Bit-wise OR of control flags (below)  
flags

Flags in struct `go7007_comp_params`:

GO7007\_COMP\_CLOSED\_GOP    Only produce self-contained GOPs, used  
to produce streams appropriate for  
random seeking.

GO7007\_COMP\_OMIT\_SEQ\_HEADER   Omit the stream sequence header.

GO7007IOC\_S\_MPEG\_PARAMS, GO7007IOC\_G\_MPEG\_PARAMS

These ioctls are used to negotiate MPEG-specific stream parameters when  
the `pixelformat` has been set to `V4L2_PIX_FMT_MPEG`.

To query the current parameters, call the `GO7007IOC_G_MPEG_PARAMS` ioctl  
with a pointer to a struct `go7007_mpeg_params`. If the driver is not  
set to MPEG format, the `EINVAL` error code will be returned.

To change the current parameters, initialize all fields of a struct  
`go7007_mpeg_params` and call the `GO7007_IOC_S_MPEG_PARAMS` ioctl with a  
pointer to this structure. The driver will return the current  
parameters with any necessary changes to conform to the limitations of  
the hardware or selected MPEG mode. Any or all fields can be set to  
zero to request a reasonable default value. If the driver is not set  
to MPEG format, the `EINVAL` error code will be returned. When I/O is in  
progress, the `EBUSY` error code will be returned.

Fields in struct `go7007_mpeg_params`:

enum `go7007_mpeg_video_standard`  
`mpeg_video_standard`    The MPEG video standard in which to  
compress the video.

Choices are:

GO7007\_MPEG\_VIDEO\_MPEG1  
GO7007\_MPEG\_VIDEO\_MPEG2  
GO7007\_MPEG\_VIDEO\_MPEG4

\_\_u32                    Bit-wise OR of control flags (below)  
flags

`__u32`            The profile and level indication to be  
`pali`            stored in the sequence header. This  
is only used as an indicator to the  
decoder, and does not affect the MPEG  
features used in the video stream.  
Not valid for MPEG1.

Choices for MPEG2 are:

`GO7007_MPEG2_PROFILE_MAIN_MAIN`

Choices for MPEG4 are:

`GO7007_MPEG4_PROFILE_S_L0`  
`GO7007_MPEG4_PROFILE_S_L1`  
`GO7007_MPEG4_PROFILE_S_L2`  
`GO7007_MPEG4_PROFILE_S_L3`  
`GO7007_MPEG4_PROFILE_ARTS_L1`  
`GO7007_MPEG4_PROFILE_ARTS_L2`  
`GO7007_MPEG4_PROFILE_ARTS_L3`  
`GO7007_MPEG4_PROFILE_ARTS_L4`  
`GO7007_MPEG4_PROFILE_AS_L0`  
`GO7007_MPEG4_PROFILE_AS_L1`  
`GO7007_MPEG4_PROFILE_AS_L2`  
`GO7007_MPEG4_PROFILE_AS_L3`  
`GO7007_MPEG4_PROFILE_AS_L4`  
`GO7007_MPEG4_PROFILE_AS_L5`

Flags in struct `go7007_mpeg_params`:

`GO7007_MPEG_FORCE_DVD_MODE` Force all compression parameters and  
bitrate control settings to comply  
with DVD MPEG2 stream requirements.  
This overrides most compression and  
bitrate settings!

`GO7007_MPEG_OMIT_GOP_HEADER` Omit the GOP header.

`GO7007_MPEG_REPEAT_SEQHEADER` Repeat the MPEG sequence header at  
the start of each GOP.

`GO7007IOC_S_BITRATE`, `GO7007IOC_G_BITRATE`

These ioctls are used to set and query the target bitrate value for the  
compressed video stream. The bitrate may be selected by storing the  
target bits per second in an int and calling `GO7007IOC_S_BITRATE` with a  
pointer to the int. The bitrate may be queried by calling  
`GO7007IOC_G_BITRATE` with a pointer to an int where the current bitrate  
will be stored.

Note that this is the primary means of controlling the video quality for all compression modes, including V4L2\_PIX\_FMT\_MJPEG. The VIDIOC\_S\_JPEGCOMP ioctl is not supported.

---

### Installing the WIS PCI Voyager Driver

---

The WIS PCI Voyager driver requires several patches to the Linux 2.6.11.x kernel source tree before compiling the driver. These patches update the in-kernel SAA7134 driver to the newest development version and patch bugs in the TDA8290/TDA8275 tuner driver.

The following patches must be downloaded from Gerd Knorr's website and applied in the order listed:

```
http://dl.bytesex.org/patches/2.6.11-2/i2c-tuner
http://dl.bytesex.org/patches/2.6.11-2/i2c-tuner2
http://dl.bytesex.org/patches/2.6.11-2/v4l2-api-mpeg
http://dl.bytesex.org/patches/2.6.11-2/saa7134-update
```

The following patches are included with this SDK and can be applied in any order:

```
patches/2.6.11/saa7134-voyager.diff
patches/2.6.11/tda8275-newaddr.diff
patches/2.6.11/tda8290-ntsc.diff
```

Check to make sure the CONFIG\_VIDEO\_SAA7134 option is enabled in the kernel configuration, and build and install the kernel.

After rebooting into the new kernel, the GO7007 driver can be compiled and installed:

```
$ make SAA7134_BUILD=y
$ make install
$ modprobe saa7134-go7007
```

There will be two V4L video devices associated with the PCI Voyager. The first device (most likely /dev/video0) provides access to the raw video capture mode of the SAA7133 device and is used to configure the source video parameters and tune the TV tuner. This device can be used with xawtv or other V4L(2) video software as a standard uncompressed device.

The second device (most likely /dev/video1) provides access to the compression functions of the GO7007. It can be tested using the gorecord



application in the apps/ directory of this SDK:

```
$ apps/gorecord -vdevice /dev/video1 -noaudio test.avi
```

Currently the frame resolution is fixed at 720x480 (NTSC) or 720x576 (PAL), and the video standard must be specified to both the raw and the compressed video devices (xawtv and gorecord, for example).

-----  
RELEASE NOTES FOR WIS GO7007SB LINUX DRIVER  
-----

Last updated: 5 November 2005

- Release 0.9.7 includes new support for using udev to run fxload. The install script should automatically detect whether the old hotplug scripts or the new udev rules should be used. To force the use of hotplug, run "make install USE\_UDEV=n". To force the use of udev, run "make install USE\_UDEV=y".
- Motion detection is supported but undocumented. Try the `modet` app for a demonstration of how to use the facility.
- Using USB2.0 devices such as the TV402U with USB1.1 HCDs or hubs can cause buffer overruns and frame drops, even at low framerates, due to inconsistency in the bitrate control mechanism.
- On devices with an SAA7115, including the Plextor ConvertX, video height values of 96, 128, 160, 192, 256, 320, and 384 do not work in NTSC mode. All valid heights up to 512 work correctly in PAL mode.
- The WIS Star Trek and PCI Voyager boards have no support yet for audio or the TV tuner.

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QLogic Linux Fibre Channel Adapter Firmware

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agere\_sta\_fw.bin -- 9.48 Hermes I

agere\_ap\_fw.bin -- 9.48 Hermes I

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Hope this helps.

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for the or51211 and or51132 frontend drivers, and  
for merging the nxt2002 and nxt2004 modules into a  
single nxt200x frontend driver.

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/\* nicstar.c v0.22 Jawaid Bazyar (bazyar@hypermall.com)

\* nicstar.c, M. Welsh (matt.welsh@cl.cam.ac.uk)

\*

\* Hacked October, 1997 by Jawaid Bazyar, Interlink Advertising Services Inc.

\* <http://www.hypermall.com/>

\* 10/1/97 - commented out CFG\_PHYIE bit - we don't care when the PHY

\* interrupts us (except possibly for removal/insertion of the cable?)

\* 10/4/97 - began heavy inline documentation of the code. Corrected typos

\* and spelling mistakes.

\* 10/5/97 - added code to handle PHY interrupts, disable PHY on

\* loss of link, and correctly re-enable PHY when link is

\* re-established. (put back CFG\_PHYIE)

\*

\* Modified to work with the IDT7721 nicstar -- AAL5 (tested) only.

\*

\* R. D. Rechenmacher <ron@fnal.gov>, Aug. 6, 1997

\*

\* Linux driver for the IDT77201 NICStAR PCI ATM controller.

\* PHY component is expected to be 155 Mbps S/UNI-Lite or IDT 77155;

\* see init\_nicstar() for PHY initialization to change this. This driver

\* expects the Linux ATM stack to support scatter-gather lists

\* (skb->atm.iovcnt != 0) for Rx skb's passed to vcc->push.

```

*
* Implementing minimal-copy of received data:
* IDT always receives data into a small buffer, then large buffers
* as needed. This means that data must always be copied to create
* the linear buffer needed by most non-ATM protocol stacks (e.g. IP)
* Fix is simple: make large buffers large enough to hold entire
* SDU, and leave <small_buffer_data> bytes empty at the start. Then
* copy small buffer contents to head of large buffer.
* Trick is to avoid fragmenting Linux, due to need for a lot of large
* buffers. This is done by 2 things:
* 1) skb->destructor / skb->atm.recycle_buffer
*    combined, allow nicstar_free_rx_skb to be called to
*    recycle large data buffers
* 2) skb_clone of received buffers
* See nicstar_free_rx_skb and linearize_buffer for implementation
* details.
*
*
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*
* M. Welsh, 6 July 1996
*
*/

```

#### TI DSP/Bridge Driver - Contributors File

The DSP/Bridge project wish to thank all of its contributors, current bridge driver is the result of the work of all of them. If any name is accidentally omitted, let us know by sending a mail to omar.ramirez@ti.com or x095840@ti.com.

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

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```
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```

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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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```
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```

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## 3.248 Im-sensors 3.3.4 :2ubuntu1

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Here is a list of the main contributors to Im-sensors version 3.

\* 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 libsensors and sensors.

\* Mark M. Hoffman

Many improvements to the libsensors configuration file scanner.

\* Jean Delvare

New libsensors API, and migration of sensors and sensord thereto.

Many optimizations in libsensors and sensors.

Configuration file converter.

Rewrite of sensors-detect.

Support for multiple configuration files in libsensors.

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Upstream-Contact: <https://lists.rcac.purdue.edu/listinfo/lsf-1>

Source: <ftp://lsf.itap.purdue.edu/pub/tools/unix/lsf/>

Comment: The following changes were made to the upstream tarball:

- 1.) The directory dialects/uw was removed for being non-DFSG and not needed in Debian.
- 2.) The main source was a tarball within a tarball. Only the innermost tarball has been retained.
- 3.) The top-level directory has been stripped away as it embedded the version number making packaging more difficult.

Files: \*

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(For example, a function in a library to compute square roots has

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```

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```
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under certain conditions; type `show c' for details.
```

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```
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```

```
<signature of Ty Coon>, 1 April 1989
Ty Coon, President of Vice
```

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## 3.260 makedev 2.3.1-93ubuntu1 :93ubuntu1

## 3.261 man-db 2.6.7.1 :1

### 3.261.1 Available under license :

Format: <http://www.debian.org/doc/packaging-manuals/copyright-format/1.0/>

Upstream-Name: man-db

Upstream-Contact: Colin Watson <cjwatson@debian.org>

Source: <http://man-db.nongnu.org/>

Files: \*

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## 3.267 mpclib3 1.0.1-1ubuntu1 :1ubuntu1

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# ck-copyright-notice can be run from the tools directory
dir=`pwd`
[ -d src ] || [ "`basename "$dir"`" != tools ] || cd ..

# Note: if paragraphs are reformatted, this may need to be updated.

lgpl="`sed -n '/version [0-9.]* or any later version/ {
s/.*/version //
s/ or.*//
p
q
}' doc/mpfr.texi`"

# Do not use "find ... | while read file do ... done" because the "do"
# part needs to be run in the current shell, and some shells behave in
# a different way.
srctests=`find src tests -name '*.[ch]`

err=0
for file in $srctests
do
y=""
case $file in
tests/RRTest.c)
# This file doesn't have a copyright notice, but isn't distributed.
continue ;;
src/mpfr-longlong.h)
# This file (which comes from GMP) has a specific copyright notice.
continue ;;
src/get_patches.c)
file="tools/get_patches.sh" ;;
*/mparam.h)
y="2005," ;;
esac
grep -q "Copyright $y.* Free Software Foundation" "$file" && \
grep -q "GNU MPFR Library" "$file" && \
grep -q "either version $lgpl of the License" "$file" && continue
echo "Possibly missing or incorrect copyright notice in $file"
err=1
done

exit $err
@c MPFR tweak: Have this in mpfr.texi to help texinfo-mode
@c @node GNU Free Documentation License
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@c ispell-local-pdict: "ispell-dict"
@c End:
GNU LESSER GENERAL PUBLIC LICENSE
Version 3, 29 June 2007
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-- $Id: COPYING,v 1.2 2014/01/18 23:59:29 tom Exp $
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```

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```

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```

```
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Ty Coon, President of Vice
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netaddr
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```

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```
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intset.py
```



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## 3.278 netcat-openbsd 1.105-7ubuntu1 :7ubuntu1

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Source: <http://www.openbsd.org/cgi-bin/cvsweb/src/usr.bin/nc/>

Files: netcat.c

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Files: atomicio.\*

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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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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



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

- 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.

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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 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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of these things:

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

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

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

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

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

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<signature of Ty Coon>, 1 April 1990  
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That's all there is to it!

## 3.283 newt 0.52.15-2ubuntu5 :2ubuntu5

### 3.283.1 Available under license :

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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:

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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.)

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

4. You may copy and distribute the Library (or a portion or derivative of it, under Section 2) in object code or executable form under the terms of Sections 1 and 2 above provided that you accompany

it with the complete corresponding machine-readable source code, which must be distributed under the terms of Sections 1 and 2 above on a medium customarily used for software interchange.

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

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

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

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

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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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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:

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The original package was put together by Enrique Zanardi <ezanard@debian.org>, from sources obtained from:  
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29. Louis A. Mamakos <louie@ni.umd.edu> MD5-based authentication
30. Lars H. Mathiesen <thorinn@diku.dk> adaptation of foundation code for Version 3 as specified in RFC-1305
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## 3.292 openldap 2.4.31-1+nmu2ubuntu8 :1+nmu2ubuntu8

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*
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## 3.301 pam 1.1.8-1ubuntu2 :1ubuntu2

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## 3.302 parted 2.3-19ubuntu1 :19ubuntu1

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Version 3, 29 June 2007

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## 3.303 patch 2.7.1-4ubuntu1

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Upstream Maintainer: Paul Eggert [eggert@twinsun.com](mailto:eggert@twinsun.com)

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## 3.304 pciutils 1:3.2.1-1ubuntu5 :1ubuntu5

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Version 2, June 1991

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```
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```

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Upstream Author: Martin Mares <[mj@ucw.cz](mailto:mj@ucw.cz)>

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## 3.305 pcre3 1:8.31-2ubuntu2 :2ubuntu2



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The basic library functions are written in C and are freestanding. Also included in the distribution is a set of C++ wrapper functions, and a just-in-time compiler that can be used to optimize pattern matching. These are both optional features that can be omitted when the library is built.

### THE BASIC LIBRARY FUNCTIONS

-----

Written by: Philip Hazel  
Email local part: ph10  
Email domain: cam.ac.uk

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Cambridge, England.

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Written by: Zoltan Herczeg  
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This package was put together by me, Mark Baker <mbaker@iee.org> from the original sources obtained from ftp.csx.cam.ac.uk:/pub/software/programming/pcre.

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THE BASIC LIBRARY FUNCTIONS

-----

Written by: Philip Hazel

Email local part: ph10

Email domain: cam.ac.uk

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## 3.306 perl 5.18.2-2ubuntu1 :2ubuntu1

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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\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>

license: <http://dev.perl.org/licenses/>

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

-----  
This module is free software; you can redistribute it and/or  
modify it under the same terms as Perl itself.

```
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();
isa_ok( $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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```

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```
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```

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```

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Comment:

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.

Upstream Authors:

.

Larry Wall et. al. (see /usr/share/doc/perl/AUTHORS).

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Files: \*

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dist/ExtUtils-Manifest/\*

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dist/I18N-Collate/\*

dist/if/\*

dist/Safe/\*

ext/Fcntl/\*

ext/FileCache/\*

ext/GDBM\_File/\*

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ext/IPC-Open3/\*

ext/NDBM\_File/\*

ext/ODBM\_File/\*

ext/Opcode/\*

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ext/PerlIO-scalar/\*

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```
#!/usr/bin/perl -w
```

```
use strict;
```

```
use Test::More tests => 8;
```

```
my $upstream_version;
```

```
ok(open(P, "dpkg-parsechangelog |"), "successfully piping from dpkg-parsechangelog");
```

```
while (<P>) {
```

```
    /^Version: (.+)-[^-]+$/ or next;
```

```
    $upstream_version = $1;
```

```
    last;
```

```
}
```

```
isnt($upstream_version, "", "found upstream version from dpkg-parsechangelog output");
```

```
ok(close P, "dpkg-parsechangelog exited normally");
```

```
my $checked_version;
```

```
ok(open(C, "<debian/copyright"), "successfully opened debian/copyright");
```

```
while (<C>) {
```

```
    next if !/^ Last checked against: Perl (.+)/;
```

```
    $checked_version = $1;
```

```
    last;
```

```
}
```

```
isnt($checked_version, "", "found checked version from debian/copyright");
```

```
close C;
```

```
is($checked_version, $upstream_version,
```

```
    "debian/copyright last checked for the current upstream version");
```

```
SKIP: {
```

```
    system('which cme >/dev/null 2>&1');
```

```
    my $cmd;
```

```
    if ($?) {
```

```
        system('which config-edit >/dev/null 2>&1');
```

```
        skip('no cme or config-edit or available', 2) if $?;
```

```

    $cmd = 'config-edit -application dpkg-copyright -ui none';
} else {
    $cmd = 'cme check dpkg-copyright';
}
diag("checking debian/copyright which copyright checker '$cmd'");
unlike( qx/$cmd 2>&1/, qr/error/,
    'no error messages from copyright checker when parsing debian/copyright');
is($?, 0, 'copyright checker exited successfully');
}

```

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Version 3, 29 June 2007

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## 3.307 pexpect 3.3

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## 3.308 php-json 1.3.2 :2build1

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Upstream-Name: pecl-json-c

Upstream-Contact: Remi Collet <remi@fedoraproject.org>

Source: <http://pecl.php.net/package/jsonc>

Files: \*

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## 3.309 php5 5.5.9+dfsg :1ubuntu4

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This package was debianized by Gergely Madarasz <[gorgo@sztaki.hu](mailto:gorgo@sztaki.hu)> on Tue, 16 Nov 1999 19:33:42 +0100.

Previous maintainers of the package also include:

Petr Cech <cech@debian.org>, who did a LOT of work on these packages.  
Adam Conrad <adconrad@0c3.net>, who got a significant chunk of input and  
help from Steve Langasek <vorlon@debian.org> and  
Andres Salomon <dilinger@debian.org>.

The current maintainers can be contacted via the debian php packaging list:  
pkg-php-maint@lists.aliases.debian.org

It was downloaded from [www.php.net/version5/downloads](http://www.php.net/version5/downloads)  
Changes: removed ext/dbase dir (non-free)

Noteworthy/non-trivial patches:

patch: use\_embedded\_timezonedb.patch  
contributor: Joe Orton <jorton@redhat.com>  
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Upstream Authors: The PHP group for PHP5, Andi Gutmans and Zeev Suraski  
for libzend

The file ext/standard/rand.c contains the following clause with a statement  
that isn't compatible with the DFSG:

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# charset=UTF-8

# vim600: encoding=UTF-8

"streamable kanji code filter and converter"

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1998/11/10 sgk implementation in C++

1999/4/25 sgk C

1999/4/26 sgk

1999/6/?? Unicode

1999/6/22 sgk LGPL

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THE BASIC LIBRARY FUNCTIONS

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Upstream-Name: popt

Upstream-Contact: Jeff Johnson <[jbj@rpm5.org](mailto:jbj@rpm5.org)>

Source: <http://rpm5.org/files/popt/>

Comment:

popt was originally written by Erik Troan when he was with RedHat. It's now maintained as part of Fedora.

Files: \*

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## 3.316 popularity-contest 1.57ubuntu1

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## 3.317 postgresql-9.3 9.3.11 :0ubuntu0.14.04

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## 3.318 powermgmt-base 1.31build1

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## 3.321 procps 1:3.3.9-1ubuntu2 :1ubuntu2

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However, the server side has optional GPL dependencies. These include the libsamplerate and gdbm (core libraries), LIRC (lirc module), FFTW (equalizer module) and bluez (bluetooth proximity helper program) libraries, although others may also be included in the future. If PulseAudio is compiled with these optional components, this effectively downgrades the license of the server part to GPL (see the file GPL for details), exercising section 3 of the LGPL. In such circumstances, you should treat the client library (libpulse) of PulseAudio as being LGPL licensed and the server part (libpulsecore) as being GPL licensed. Since the PulseAudio daemon, tests, various utilities/helpers and the modules link to libpulsecore and/or the afore mentioned optional GPL dependencies they are of course also GPL licensed also in this scenario.

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Some other files pulled into PA source (i.e. reference implementations that are

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=====

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#### A. HISTORY OF THE SOFTWARE

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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.

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Release	Derived from	Year	Owner	GPL-compatible? (1)
0.9.0 thru 1.2		1991-1995	CWI	yes
1.3 thru 1.5.2	1.2	1995-1999	CNRI	yes

1.6	1.5.2	2000	CNRI	no
2.0	1.6	2000	BeOpen.com	no
1.6.1	1.6	2001	CNRI	yes (2)
2.1	2.0+1.6.1	2001	PSF	no
2.0.1	2.0+1.6.1	2001	PSF	yes
2.1.1	2.1+2.0.1	2001	PSF	yes
2.1.2	2.1.1	2002	PSF	yes
2.1.3	2.1.2	2002	PSF	yes
2.2 and above	2.1.1	2001-now	PSF	yes

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## 3.330 python-chardet 2.2.1 :4chl1~precise1

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Source: <https://pypi.python.org/pypi/chardet>

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## 3.331 python-colorama 0.2.5 :0.1ubuntu2

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## 3.332 python-debian 0.1.21 :nmu2ubuntu2

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## 3.333 python-defaults 2.7.5 :5ubuntu3

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This package was put together by Klee Dienes <klee@debian.org> from sources from <ftp.python.org:/pub/python>, based on the Debianization by the previous maintainers Bernd S. Brentrup <bsb@uni-muenster.de> and Bruce Perens.

Current maintainer is Matthias Klose <doko@debian.org> until the final 2.3 version is released.

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#### A. HISTORY OF THE SOFTWARE

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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.

Release	Derived from	Year	Owner	GPL-compatible? (1)
0.9.0 thru 1.2		1991-1995	CWI	yes
1.3 thru 1.5.2	1.2	1995-1999	CNRI	yes
1.6	1.5.2	2000	CNRI	no
2.0	1.6	2000	BeOpen.com	no
1.6.1	1.6	2001	CNRI	yes (2)
2.1	2.0+1.6.1	2001	PSF	no
2.0.1	2.0+1.6.1	2001	PSF	yes
2.1.1	2.1+2.0.1	2001	PSF	yes
2.2	2.1.1	2001	PSF	yes
2.1.2	2.1.1	2002	PSF	yes
2.1.3	2.1.2	2002	PSF	yes
2.2.1	2.2	2002	PSF	yes
2.2.2	2.2.1	2002	PSF	yes
2.2.3	2.2.2	2003	PSF	yes
2.3	2.2.2	2002-2003	PSF	yes
2.3.1	2.3	2002-2003	PSF	yes
2.3.2	2.3.1	2002-2003	PSF	yes
2.3.3	2.3.2	2002-2003	PSF	yes
2.3.4	2.3.3	2004	PSF	yes
2.3.5	2.3.4	2005	PSF	yes
2.4	2.3	2004	PSF	yes
2.4.1	2.4	2005	PSF	yes
2.4.2	2.4.1	2005	PSF	yes
2.4.3	2.4.2	2006	PSF	yes
2.4.4	2.4.3	2006	PSF	yes
2.5	2.4	2006	PSF	yes
2.5.1	2.5	2007	PSF	yes
2.5.2	2.5.1	2008	PSF	yes
2.5.3	2.5.2	2008	PSF	yes
2.6	2.5	2008	PSF	yes
2.6.1	2.6	2008	PSF	yes
2.6.2	2.6.1	2009	PSF	yes
2.6.3	2.6.2	2009	PSF	yes
2.6.4	2.6.3	2009	PSF	yes
2.6.5	2.6.4	2010	PSF	yes

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## 3.334 python-django 1.6.1 :2ubuntu0.6~cloud0

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django/utils/autoreload.py

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django/contrib/gis/geos/\* and django/contrib/gis/gdal/\*

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django.dispatch was originally forked from PyDispatcher.

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=====  
Advice for new contributors  
=====

New contributor and not sure what to do? Want to help but just don't know how to get started? This is the section for you.

First steps  
-----

Start with these easy tasks to discover Django's development process.

**\*\*Sign the Contributor License Agreement\*\***

The code that you write belongs to you or your employer. If your contribution is more than one or two lines of code, you need to sign the `CLA`. See the `Contributor License Agreement FAQ` for a more thorough explanation.

**\*\*Triage tickets\*\***

If an `unreviewed ticket` reports a bug, try and reproduce it. If you can reproduce it and it seems valid, make a note that you confirmed the bug and accept the ticket. Make sure the ticket is filed under the correct component area. Consider writing a patch that adds a test for the bug's behavior, even if you don't fix the bug itself. See more at [:ref:`how-can-i-help-with-triaging`](#)

**\*\*Look for tickets that are accepted and review patches to build familiarity with the codebase and the process\*\***

Mark the appropriate flags if a patch needs docs or tests. Look through the changes a patch makes, and keep an eye out for syntax that is incompatible with older but still supported versions of Python. Run the tests and make sure they pass on your system. Where possible and relevant, try them out on a database other than SQLite. Leave comments and feedback!

\* \*\*Keep old patches up to date\*\*

Oftentimes the codebase will change between a patch being submitted and the time it gets reviewed. Make sure it still applies cleanly and functions as expected. Simply updating a patch is both useful and important! See more on `:doc:`writing-code/submitted-patches``.

\* \*\*Write some documentation\*\*

Django's documentation is great but it can always be improved. Did you find a typo? Do you think that something should be clarified? Go ahead and suggest a documentation patch! See also the guide on `:doc:`writing-documentation``, in particular the tips for `:ref:`improving-the-documentation``.

.. note::

The ``reports page`_` contains links to many useful Trac queries, including several that are useful for triaging tickets and reviewing patches as suggested above.

.. `_reports page`: <https://code.djangoproject.com/wiki/Reports>

.. `_CLA`: <https://www.djangoproject.com/foundation/cla/>

.. `_Contributor License Agreement FAQ`: <https://www.djangoproject.com/foundation/cla/faq/>

.. `_unreviewed ticket`: <https://code.djangoproject.com/query?status=!closed&stage=Unreviewed>

## Guidelines

-----

As a newcomer on a large project, it's easy to experience frustration. Here's some advice to make your work on Django more useful and rewarding.

\* \*\*Pick a subject area that you care about, that you are familiar with, or that you want to learn about\*\*

You don't already have to be an expert on the area you want to work on; you become an expert through your ongoing contributions to the code.

\* \*\*Analyze tickets' context and history\*\*

Trac isn't an absolute; the context is just as important as the words.

When reading Trac, you need to take into account who says things, and when they were said. Support for an idea two years ago doesn't necessarily mean that the idea will still have support. You also need to pay attention to who *\*hasn't\** spoken -- for example, if a core team member hasn't been recently involved in a discussion, then a ticket may not have the support required to get into trunk.

**\* \*\*Start small\*\***

It's easier to get feedback on a little issue than on a big one. See the ``easy pickings`_`.

**\* \*\*If you're going to engage in a big task, make sure that your idea has support first\*\***

This means getting someone else to confirm that a bug is real before you fix the issue, and ensuring that the core team supports a proposed feature before you go implementing it.

**\* \*\*Be bold! Leave feedback!\*\***

Sometimes it can be scary to put your opinion out to the world and say "this ticket is correct" or "this patch needs work", but it's the only way the project moves forward. The contributions of the broad Django community ultimately have a much greater impact than that of the core developers. We can't do it without YOU!

**\* \*\*Err on the side of caution when marking things Ready For Check-in\*\***

If you're really not certain if a ticket is ready, don't mark it as such. Leave a comment instead, letting others know your thoughts. If you're mostly certain, but not completely certain, you might also try asking on IRC to see if someone else can confirm your suspicions.

**\* \*\*Wait for feedback, and respond to feedback that you receive\*\***

Focus on one or two tickets, see them through from start to finish, and repeat. The shotgun approach of taking on lots of tickets and letting some fall by the wayside ends up doing more harm than good.

**\* \*\*Be rigorous\*\***

When we say "pep:8, and must have docs and tests", we mean it. If a patch doesn't have docs and tests, there had better be a good reason. Arguments like "I couldn't find any existing tests of this feature" don't carry much weight--while it may be true, that means you have the extra-important job of

writing the very first tests for that feature, not that you get a pass from writing tests altogether.

.. \_easy pickings: <https://code.djangoproject.com/query?status=!closed&easy=1>

.. \_new-contributors-faq:

FAQ

---

1. **\*\*This ticket I care about has been ignored for days/weeks/months! What can I do to get it committed?\***

First off, it's not personal. Django is entirely developed by volunteers (even the core developers), and sometimes folks just don't have time. The best thing to do is to send a gentle reminder to the django-developers mailing list asking for review on the ticket, or to bring it up in the #django-dev IRC channel.

2. **\*\*I'm sure my ticket is absolutely 100% perfect, can I mark it as RFC myself?\***

Short answer: No. It's always better to get another set of eyes on a ticket. If you're having trouble getting that second set of eyes, see question 1, above.

## 3.335 python-pip 1.5.4 :1ubuntu3

### 3.335.1 Available under license :

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Format: <http://www.debian.org/doc/packaging-manuals/copyright-format/1.0/>

Source: <http://www.pip-installer.org/>

Files: \*

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Forwarded: <https://github.com/pypa/pip/pull/971>

Files: debian/\*

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## 3.336 python-pyinotify 0.9.4

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## 3.337 python-pyopenssl 0.14

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Version 2.0, January 2004

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## 3.338 python-setuptools 3.3 :1ubuntu1

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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.

Release from	Derived from	Year	Owner	GPL-compatible? (1)
0.9.0 thru 1.2		1991-1995	CWI	yes
1.3 thru 1.5.2	1.2	1995-1999	CNRI	yes
1.6	1.5.2	2000	CNRI	no
2.0	1.6	2000	BeOpen.com	no
1.6.1	1.6	2001	CNRI	yes (2)
2.1	2.0+1.6.1	2001	PSF	no
2.0.1	2.0+1.6.1	2001	PSF	yes
2.1.1	2.1+2.0.1	2001	PSF	yes
2.2	2.1.1	2001	PSF	yes
2.1.2	2.1.1	2002	PSF	yes
2.1.3	2.1.2	2002	PSF	yes
2.2.1	2.2	2002	PSF	yes
2.2.2	2.2.1	2002	PSF	yes
2.3	2.2.2	2002-2003	PSF	yes

Footnotes:

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(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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## 3.339 python-urllib3 1.7.1 :1ubuntu4

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Upstream-Name: urllib3

Upstream-Contact: Andrey Petrov <[andrey.petrov@shazow.net](mailto:andrey.petrov@shazow.net)>

Source: <http://pypi.python.org/pypi/urllib3>

Files: \*

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Files: urllib3/packages/six.py

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Files: urllib3/packages/ordered\_dict.py

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Files: urllib3/packages/ssl\_match\_hostname/\_\_init\_\_.py

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# Contributions to the urllib3 project

## Creator & Maintainer

\* Andrey Petrov <[andrey.petrov@shazow.net](mailto: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
  
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- \* Bugfixes, suggestions, Requests integration
  
- \* georgemarshall <<http://github.com/georgemarshall>>
- \* Bugfixes, Improvements and Test coverage
  
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- \* 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
  
- \* [Your name or handle] <[email or website]>
- \* [Brief summary of your changes]

## 3.340 python2.7 2.7.6-8 :8

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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.

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# =====  
#  
# SYNOPSIS  
#  
# AX_APPEND_FLAG(FLAGS, [FLAGS-VARIABLE])  
#  
# DESCRIPTION  
#  
# FLAG is appended to the FLAGS-VARIABLE shell variable, with a space  
# added in between.  
#  
# If FLAGS-VARIABLE is not specified, the current language's flags (e.g.  
# CFLAGS) is used. FLAGS-VARIABLE is not changed if it already contains  
# FLAG. If FLAGS-VARIABLE is unset in the shell, it is set to exactly  
# FLAG.  
#  
# NOTE: Implementation based on AX_CFLAGS_GCC_OPTION.  
#
```

```
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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.

Release	Derived from	Year	Owner	GPL-compatible? (1)
0.9.0 thru 1.2		1991-1995	CWI	yes
1.3 thru 1.5.2	1.2	1995-1999	CNRI	yes
1.6	1.5.2	2000	CNRI	no
2.0	1.6	2000	BeOpen.com	no
1.6.1	1.6	2001	CNRI	yes (2)
2.1	2.0+1.6.1	2001	PSF	no
2.0.1	2.0+1.6.1	2001	PSF	yes
2.1.1	2.1+2.0.1	2001	PSF	yes
2.1.2	2.1.1	2002	PSF	yes

2.1.3	2.1.2	2002	PSF	yes
2.2 and above	2.1.1	2001-now	PSF	yes

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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.

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1.3 thru 1.5.2	1.2	1995-1999	CNRI	yes
1.6	1.5.2	2000	CNRI	no
2.0	1.6	2000	BeOpen.com	no
1.6.1	1.6	2001	CNRI	yes (2)
2.1	2.0+1.6.1	2001	PSF	no
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2.1.1	2.1+2.0.1	2001	PSF	yes
2.2	2.1.1	2001	PSF	yes
2.1.2	2.1.1	2002	PSF	yes
2.1.3	2.1.2	2002	PSF	yes
2.2.1	2.2	2002	PSF	yes
2.2.2	2.2.1	2002	PSF	yes
2.2.3	2.2.2	2003	PSF	yes
2.3	2.2.2	2002-2003	PSF	yes
2.3.1	2.3	2002-2003	PSF	yes
2.3.2	2.3.1	2002-2003	PSF	yes
2.3.3	2.3.2	2002-2003	PSF	yes
2.3.4	2.3.3	2004	PSF	yes
2.3.5	2.3.4	2005	PSF	yes
2.4	2.3	2004	PSF	yes
2.4.1	2.4	2005	PSF	yes
2.4.2	2.4.1	2005	PSF	yes
2.4.3	2.4.2	2006	PSF	yes
2.4.4	2.4.3	2006	PSF	yes

2.5	2.4	2006	PSF	yes
2.5.1	2.5	2007	PSF	yes
2.5.2	2.5.1	2008	PSF	yes
2.5.3	2.5.2	2008	PSF	yes
2.6	2.5	2008	PSF	yes
2.6.1	2.6	2008	PSF	yes
2.6.2	2.6.1	2009	PSF	yes
2.6.3	2.6.2	2009	PSF	yes
2.6.4	2.6.3	2009	PSF	yes
3.0	2.6	2008	PSF	yes
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py3compile, py3clean and debpython module:

=====  
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## 3.342 python3-defaults 3.4.0-0ubuntu2 :0ubuntu2

### 3.342.1 Available under license :

This is the Debian GNU/Linux prepackaged version of the Python programming language. Python was written by Guido van Rossum <guido@cwi.nl> and others.

This package was put together by Klee Dienes <klee@debian.org> from sources from [ftp.python.org/pub/python](http://ftp.python.org/pub/python), based on the Debianization by the previous maintainers Bernd S. Brentrup <bsb@uni-muenster.de> and Bruce Perens.

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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.

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.

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1.3 thru 1.5.2	1.2	1995-1999	CNRI	yes
1.6	1.5.2	2000	CNRI	no
2.0	1.6	2000	BeOpen.com	no
1.6.1	1.6	2001	CNRI	yes (2)
2.1	2.0+1.6.1	2001	PSF	no
2.0.1	2.0+1.6.1	2001	PSF	yes
2.1.1	2.1+2.0.1	2001	PSF	yes
2.2	2.1.1	2001	PSF	yes
2.1.2	2.1.1	2002	PSF	yes
2.1.3	2.1.2	2002	PSF	yes
2.2.1	2.2	2002	PSF	yes
2.2.2	2.2.1	2002	PSF	yes
2.2.3	2.2.2	2003	PSF	yes
2.3	2.2.2	2002-2003	PSF	yes
2.3.1	2.3	2002-2003	PSF	yes
2.3.2	2.3.1	2002-2003	PSF	yes
2.3.3	2.3.2	2002-2003	PSF	yes
2.3.4	2.3.3	2004	PSF	yes
2.3.5	2.3.4	2005	PSF	yes
2.4	2.3	2004	PSF	yes
2.4.1	2.4	2005	PSF	yes
2.4.2	2.4.1	2005	PSF	yes
2.4.3	2.4.2	2006	PSF	yes
2.4.4	2.4.3	2006	PSF	yes
2.5	2.4	2006	PSF	yes
2.5.1	2.5	2007	PSF	yes
2.5.2	2.5.1	2008	PSF	yes
2.5.3	2.5.2	2008	PSF	yes
2.6	2.5	2008	PSF	yes
2.6.1	2.6	2008	PSF	yes
2.6.2	2.6.1	2009	PSF	yes
2.6.3	2.6.2	2009	PSF	yes
2.6.4	2.6.3	2009	PSF	yes

3.0	2.6	2008	PSF	yes
3.0.1	3.0	2009	PSF	yes
3.1	3.0.1	2009	PSF	yes
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# 3.343 python3-stdlib-extensions 3.4.3 :1~14.04.2

## 3.343.1 Available under license :

This package was debianized by Matthias Klose <doko@debian.org> on Wed, 7 Jun 2006 15:02:31 +0200.

It was downloaded from <http://python.org/>, built by extracting the Tk and gdbm extensions from the upstream tarballs.

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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



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1.3 thru 1.5.2	1.2	1995-1999	CNRI	yes
1.6	1.5.2	2000	CNRI	no
2.0	1.6	2000	BeOpen.com	no
1.6.1	1.6	2001	CNRI	yes (2)
2.1	2.0+1.6.1	2001	PSF	no
2.0.1	2.0+1.6.1	2001	PSF	yes
2.1.1	2.1+2.0.1	2001	PSF	yes
2.2	2.1.1	2001	PSF	yes
2.1.2	2.1.1	2002	PSF	yes
2.1.3	2.1.2	2002	PSF	yes
2.2.1	2.2	2002	PSF	yes
2.2.2	2.2.1	2002	PSF	yes
2.2.3	2.2.2	2003	PSF	yes
2.3	2.2.2	2002-2003	PSF	yes
2.3.1	2.3	2002-2003	PSF	yes
2.3.2	2.3.1	2002-2003	PSF	yes
2.3.3	2.3.2	2002-2003	PSF	yes
2.3.4	2.3.3	2004	PSF	yes
2.4	2.3	2004	PSF	yes
2.4.1	2.4.1	2005	PSF	yes
2.4.2	2.4.1	2005	PSF	yes
2.4.3	2.4.2	2006	PSF	yes

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## 3.344 python3.4 3.4.0-2ubuntu1 :2ubuntu1

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#### A. HISTORY OF THE SOFTWARE

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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.

Release	Derived	Year	Owner	GPL-
	from			compatible? (1)

0.9.0 thru 1.2		1991-1995	CWI	yes
1.3 thru 1.5.2	1.2	1995-1999	CNRI	yes
1.6	1.5.2	2000	CNRI	no
2.0	1.6	2000	BeOpen.com	no
1.6.1	1.6	2001	CNRI	yes (2)
2.1	2.0+1.6.1	2001	PSF	no
2.0.1	2.0+1.6.1	2001	PSF	yes
2.1.1	2.1+2.0.1	2001	PSF	yes
2.1.2	2.1.1	2002	PSF	yes
2.1.3	2.1.2	2002	PSF	yes
2.2 and above	2.1.1	2001-now	PSF	yes

Footnotes:

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(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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ERROR OUTPUT:

cosi-pristine-source-check: warning: binary code found

/ws/tedg-sjc/PERMITS\_SQL/63147174\_1433586261.8/\_1/python3.4-3.4.0/Lib/distutils/command/wininst-10.0.exe:  
PE32 executable for MS Windows (GUI) Intel 80386 32-bit

</pristine>

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#### A. HISTORY OF THE SOFTWARE

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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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1.3 thru 1.5.2	1.2	1995-1999	CNRI	yes
1.6	1.5.2	2000	CNRI	no
2.0	1.6	2000	BeOpen.com	no
1.6.1	1.6	2001	CNRI	yes (2)
2.1	2.0+1.6.1	2001	PSF	no
2.0.1	2.0+1.6.1	2001	PSF	yes
2.1.1	2.1+2.0.1	2001	PSF	yes
2.1.2	2.1.1	2002	PSF	yes
2.1.3	2.1.2	2002	PSF	yes
2.2 and above	2.1.1	2001-now	PSF	yes

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(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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Then maintained as part of the team by:

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The upstream source was downloaded from:

`git://git.qemu.org/qemu.git`

All the binary blobs without sources contained in the `pc-bios/` directory (`*.dtb`, `*.bin`, `*rom`, `openbios-*`, `palcode-clipper`) in the original upstream git repository have been removed starting from Debian package version 0.6.0.dfsg.1-1. Those roms which are free can be found in split packages of their own, represented accordingly in the dependency relationships.

Upstream Author:

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```
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```

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```
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```

```
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Ty Coon, President of Vice
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## 3.348 headline6 6.3-4ubuntu2 :4ubuntu2

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Version 3, 29 June 2007

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<ftp.gnu.org/pub/gnu/readline/readline-6.0.tar.gz>.

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Upstream source:



ftp.gnu.org:/pub/gnu/readline/readline-4.3.tar.gz.

Author: Per Bothner

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```
/* A front-end using readline to "cook" input lines for Kawa.  
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*  
* Some code from Johnson & Troan: "Linux Application Development"  
* (Addison-Wesley, 1998) was used directly or for inspiration.  
*/
```

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## 3.349 readline6 6.3 :4ubuntu2

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## 3.352 resource-agents 1:3.9.3+git20121009 :3ubuntu2

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Upstream-Name: resource-agents

Source: <https://github.com/ClusterLabs/resource-agents>

Files: debian/\*

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## 3.356 seabios 1.7.4 :4

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## 3.362 shared-mime-info 1.2 :0ubuntu3

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## 3.372 strace 4.8 :1ubuntu5

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## 3.373 sudo 1.8.9p5-1ubuntu1 :1ubuntu1

### 3.373.1 Available under license :

The following list of people, sorted by last name, have contributed code or patches to this implementation of sudo since I began maintaining it in 1993. This list is known to be incomplete--if you believe you should be listed, please send a note to sudo@sudo.ws.

Ackeret, Matt

Adler, Mark

Allbery, Russ

Andrew, Nick  
Andric, Dimitry  
Barron, Danny  
Bates, Tom  
Behan, Zdenk  
Bellis, Ray  
Benali, Elias  
Beverly, Jamie  
Boardman, Spider  
Bostley, P.J.  
Bowes, Keith  
Boyce, Keith Garry  
Brantley, Michael  
Braun, Rob  
Bezina, Pavel  
Brooks, Pietie  
Brown, Jerry  
Burr, Michael E  
Bussjaeger, Andreas  
Calvin, Gary  
Campbell, Aaron  
ek, Vtzslav  
Coleman, Chris  
Corzine, Deven T.  
Cusack, Frank  
Dai, Wei  
Dill, David  
Earickson, Jeff  
Eckhardt, Drew  
Edgington, Ben  
Esipovich, Marc  
Espie, Marc  
Faigon, Ariel  
Farrell, Brian  
Fobes, Steve  
Frysinger, Mike  
G., Daniel Richard  
Gailly, Jean-loup  
Gelman, Stephen  
Gerraty, Simon J.  
Graber, Stephane  
Guillory, B.  
Hayman, Randy M.  
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Hideaki, YOSHIFUJI  
Hieb, Dave  
Holloway, Nick  
Hoover, Adam

Hunter, Michael T.  
Irrgang, Eric  
Jackson, Brian  
Jackson, John R.  
Jackson, Richard L., Jr.  
Janssen, Mark  
Jepeway, Chris  
Juhani, Timo  
KIKUCHI, Ayamura  
Kadow, Kevin  
Kasal, Stepan  
Kienenberger, Mike  
King, Dale  
King, Michael  
Knoble, Jim  
Knox, Tim  
Komarnitsky, Alek O.  
Kondrashov, Nikolai  
Kopeek, Daniel  
Kranenburg, Paul  
Krause, David  
Lakin, Eric  
Larsen, Case  
Levin, Dmitry V.  
Libby, Kendall  
Lobbes, Phillip E.  
McIntyre, Jason  
MacKenzie, David J.  
McLaughlin, Tom  
Makey, Jeff  
Marchionna, Michael D.  
Markham, Paul  
Martinian, Emin  
Meskes, Michael  
Miller, Todd C.  
Minier, Loc  
Moffat, Darren  
Moldung, Jan Thomas  
Morris, Charles  
Mueller, Andreas  
Mller, Dworkin  
Nieuwma, Jeff  
Nikitser, Peter A.  
Nussel, Ludwig  
Paquet, Eric  
Paradis, Chantal  
Percival, Ted  
Perera, Andres



Peron, Christian S.J.  
Peslyak, Alexander  
Peterson, Toby  
Petten, Diego Elio  
Pickett, Joel  
Plotnick, Alex  
de Raadt, Theo  
Rasch, Gudleik  
Reid, Steve  
Richards, Matt  
Rossum, Guido van  
Rouillard, John P.  
Rowe, William A., Jr.  
Roy, Alain  
Ruusame, Elan  
Ryabinkin, Eygene  
SATO, Yuichi  
Snchez, Wilfredo  
Saucier, Jean-Francois  
Schoenfeld, Patrick  
Schuring, Arno  
Scott, Dougal  
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Stier, Matthew  
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Venckus, Martynas  
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Walsh, Dan  
Warburton, John

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Zacarias, Gustavo  
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Castro, Felipe  
Chornoivan, Yuri  
Diguez, Francisco  
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Nylander, Daniel  
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jloup@gzip.org     madler@alumni.caltech.edu  
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The of the start-stop-daemon

- \* A rewrite of the original Debian's start-stop-daemon Perl script
- \* in C (faster - it is executed many times during system startup).
- \*
- \* Written by Marek Michalkiewicz <[marekm@i17linuxb.ists.pwr.wroc.pl](mailto:marekm@i17linuxb.ists.pwr.wroc.pl)>,
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Send patches to [sysvinit-devel@nongnu.org](mailto:sysvinit-devel@nongnu.org)

The of the start-stop-daemon

- \* A rewrite of the original Debian's start-stop-daemon Perl script
- \* in C (faster - it is executed many times during system startup).
- \*
- \* Written by Marek Michalkiewicz <[marekm@i17linuxb.ists.pwr.wroc.pl](mailto:marekm@i17linuxb.ists.pwr.wroc.pl)>,
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This package contains the scripts that are executed at start and shutdown of Debian systems.

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# 3.379 tar 1.27.1-1 :1

## 3.379.1 Available under license :

This is the Debian GNU/Linux prepackaged version of GNU tar. GNU tar, heavily based on John Gilmore's public domain version of tar, was originally written by Graham Todd. It is now maintained by Paul Eggert <eggert@twinsun.com>.

This package is maintained for Debian by Bdale Garbee <bdale@gag.com>, and was built from the sources found at:

<ftp://ftp.gnu.org/gnu/tar/>

More recently, I'm directly using the upstream source repository at

<http://git.savannah.gnu.org/cgit/tar.git>

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It was downloaded from <http://www.tcpdump.org/>

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

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

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

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

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

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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.

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It may happen that this requirement contradicts the license restrictions of other proprietary libraries that do not normally

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```
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```

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```
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```

```
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## 3.393 ucf 3.0027+nmu1 :nmu1

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Manoj Srivastava <srivasta@debian.org>  
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```

```
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Version 3, 29 June 2007

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## 3.395 ujson 1.34

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size: 4456448, sector size: 512, PT: bsd, offset: 512

---

#1: 7936 4864 0x7

#2: 12544 3584 0x7

size: 8388608, sector size: 512, PT: dos, offset: 446

---

#1: 32 7648 0x83

#2: 7680 8704 0xa5

#5: 7936 4864 0x7 (freebsd)

#6: 12544 3584 0x7 (freebsd)

# 1: 32- 7679 ( 7648 sectors, 3 MB)

# 2: 7680- 16383 ( 8704 sectors, 4 MB)

# 5: 7936- 12799 ( 4864 sectors, 2 MB)

# 6: 12544- 16127 ( 3584 sectors, 1 MB)

# 1: 7936- 12799 ( 4864 sectors, 2 MB)

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## 3.404 vbetool 1.1 :3

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vbetool-0.1

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<signature of Ty Coon>, 1 April 1989  
Ty Coon, President of Vice

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## 3.405 vim 2:7.4.052-1ubuntu3 :1ubuntu3

### 3.405.1 Available under license :

\*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 features. See |sponsor|. The money goes to Uganda anyway.

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contact information must remain valid for at least three years after last distributing the corresponding modified Vim, or as long as possible.

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- If you are happy with Vim, please express that by reading the rest of this file and consider helping needy children in Uganda.
- If you want to support further Vim development consider becoming a [sponsor]. The money goes to Uganda anyway.
- According to Richard Stallman the Vim license is GNU GPL compatible. A few minor changes have been made since he checked it, but that should not make a difference.
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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. Further more, 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:

[https://www.paypal.com/en\\_US/mrb/pal=XAC62PML3GF8Q](https://www.paypal.com/en_US/mrb/pal=XAC62PML3GF8Q)

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.

vim:tw=78:ts=8:ft=help:norl:

/\*

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Arnaud LE HORS    BULL Research FRANCE -- Koala Project

(XPM - X PixMap format version 2 & 3)

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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

This is the Debian pre-packaged version of vim. Vim is an almost compatible version of the UNIX editor Vi. Many new features have been added: multi level undo, syntax highlighting, command line history, on-line help, filename completion, block operations, etc.

This package was put together by Wichert Akkerman <wakkerma@debian.org> from sources obtained from: <ftp://ftp.vim.org/pub/vim/unix/>. The current maintainer is Debian VIM Maintainers <pkg-vim-maintainers@lists.alioth.debian.org>.

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## 3.408 wheel 0.24.0 :1~ubuntu1



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Source: <https://pypi.python.org/pypi/wheel>

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The wireless-regdb packages was downloaded from <<http://wireless.kernel.org/download/wireless-regdb/>>

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Upstream-Contact: John W. Linville <[linville@redhat.com](mailto:linville@redhat.com)>

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# 3.410 xapien-bindings 1.2.16 :2ubuntu1

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## 3.411 xapian-core 1.2.16 :2ubuntu1

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-- Keir Fraser (on behalf of the Xen team)

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```
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```

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```
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```

```
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Ty Coon, President of Vice
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That's all there is to it!

```
#!/usr/bin/perl -p
```

```
#
```

```
# This script is part of the Xen build system. It has a very  
# permissive licence to avoid complicating the licence of the  
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```

```
#
```

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```

```
our $namespace, $ucnamespace;
```

```

BEGIN {
    die unless @ARGV;
    $namespace = pop @ARGV;
    $namespace =~ s/^-prefix=// or die;
    $ucnamespace = uc $namespace;

    print <<END or die $!;
/*
* DO NOT EDIT THIS FILE
*
* Generated automatically by bsd-sys-queue-h-sedder to
* - introduce ${ucnamespace}_ and ${namespace}_ namespace prefixes
* - turn "struct type" into "type" so that type arguments
*   to the macros are type names not struct tags
* - remove the reference to sys/cdefs.h, which is not needed
*
* The purpose of this sedder is to allow the resulting file to be
* freely included by software which might also want to include other
* list macros; to make it usable when struct tags are not being used
* or not known; to make it more portable.
*/
END
}

s\b( _SYS_QUEUE |
    SLIST | LIST | STAILQ | TAILQ | QUEUE
)/${ucnamespace}_${1}/xg;

s\b( TRACEBUF | TRASHIT |
    QMD_
)/${ucnamespace}__${1}/xg;

```

```

s\b(
  qm_
  )/${namespace}__1/xg;

s\b struct \s+ type \b/type/xg;

s,^\#include.*sys/cdefs.*/* $& */,xg;

s\b( NULL )/0/xg;
# $FreeBSD$
# @(#)COPYRIGHT 8.2 (Berkeley) 3/21/94

```

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-- Keir Fraser (on behalf of the Xen team)

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## 3.414 xkeyboard-config 2.10.1-1ubuntu1 :1ubuntu1

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## 3.415 xkeyboard-config 2.10.1 :1ubuntu1

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## 3.417 xz-utils 5.1.1alpha+20120614-2ubuntu2 :2ubuntu2

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Version 3, 29 June 2007

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Upstream-Name: XZ Utils

Upstream-Contact:

Lasse Collin <[lasse.collin@tukaani.org](mailto:lasse.collin@tukaani.org)>

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To: Jonathan Nieder <[jrnieder@gmail.com](mailto:jrnieder@gmail.com)>

Subject: Re: XZ utils for Debian

Date: Sun, 19 Jul 2009 13:28:23 +0300

Message-Id: <200907191328.23816.lasse.collin@tukaani.org>

.  
[...]

.  
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> dos/README, windows/README

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Files: INSTALL NEWS PACKAGERS

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Other-Authors: Bruno Haible, Paul Eggert

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Files: Doxyfile.in

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src/liblzma/check/crc64\_table\_?e.h

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changelog.gz (commit 975d8fd) explains:

.

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Files: dos/config.h

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Other-Authors: Roland McGrath, Akim Demaille, Paul Eggert,

David Mackenzie, Bruno Haible, and many others.

Origin: configure.ac from XZ Utils,

visibility.m4 serial 1 (gettext-0.15),

Autoconf 2.52g

License: config-h

configure.ac:

.

# Author: Lasse Collin

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dnl From Bruno Haible.

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comments from Autoconf 2.52g:

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dos/config.h was generated with autoheader, which tells Autoconf to  
output a script to generate a config.h file and then runs it.

Files: po/Makevars

Origin: gettext-runtime/po/Makevars (gettext-0.12)

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Authors: Bruno Haible

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Upstream-Name: YAJL (Yet Another JSON Library)

Upstream-Contact: Lloyd Hilaiel <lloyd@hilaiel.com>

Source: <http://lloyd.github.com/yajl/>

Files: \*

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Files: example/parse\_config.c

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Files: src/yajl\_tree.c

src/api/yajl\_tree.h

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Files: debian/\*

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Files: \*

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## 3.420 zlib 1:1.2.8.dfsg-1ubuntu1 :1ubuntu1

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This is the pre-packaged Debian Linux version of the zlib compression library. It was packaged by Michael Alan Dorman <mdorman@debian.org> from sources originally retrieved from ftp.uu.net in the directory /pub/archiving/zip/zlib as the file zlib-1.0.4.tar.gz.

There is a homepage at <http://www.gzip.org/zlib/>

#### Acknowledgments:

The deflate format used by zlib was defined by Phil Katz. The deflate and zlib specifications were written by Peter Deutsch. Thanks to all the people who reported problems and suggested various improvements in zlib; they are too numerous to cite here.

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## 3.421 zope.interface 4.0.5 :1ubuntu4

### 3.421.1 Available under license :

Format: <http://www.debian.org/doc/packaging-manuals/copyright-format/1.0/>

Upstream-Name: zope.interface

Upstream-Contact: Zope Foundation and Contributors <zope-dev@zope.org>

Source: <http://pypi.python.org/pypi/zope.interface>

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