Open Source Used In Cisco Nexus 9000 Series 7.0(3)I2(5)

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In your requests please include the following reference number 78EE117C99-143907952

Contents

1.1 acl 2.2.51 :r5
   1.1.1 Available under license
1.2 acl 2.2.51 :12.el7
   1.2.1 Available under license
1.3 acl/LGPLv2.1 2.2.51 :12.el7
   1.3.1 Available under license
1.4 ASM Tree 3.0
   1.4.1 Available under license
1.5 attr 2.4.46 :12.el7
   1.5.1 Available under license
1.6 attr 2.4.46 :r5
   1.6.1 Available under license
1.7 attr/libattr 2.4.46 :12.el7
   1.7.1 Available under license
1.8 audit 2.4.1 :5.el7
   1.8.1 Available under license
1.9 base-files 3.0.14 :r74.2
   1.9.1 Available under license
1.10 base-passwd 3.5.24 :r0.2
    1.10.1 Available under license
1.11 basesystem 10.0 :7.el7.centos
    1.11.1 Available under license
1.12 bash 4.2.46 :12.el7
    1.12.1 Available under license
1.13 bash 4.2 :r8
    1.13.1 Available under license
<table>
<thead>
<tr>
<th>Version</th>
<th>Description</th>
</tr>
</thead>
<tbody>
<tr>
<td>1.14</td>
<td>beecrypt 4.2.1 :r3</td>
</tr>
<tr>
<td>1.14.1</td>
<td></td>
</tr>
<tr>
<td>1.15</td>
<td>binutils 2.23.51.20120829+4.6a+127 :r5</td>
</tr>
<tr>
<td>1.15.1</td>
<td></td>
</tr>
<tr>
<td>1.16</td>
<td>binutils 2.23.52.0.1 :30.el7_1.1</td>
</tr>
<tr>
<td>1.16.1</td>
<td></td>
</tr>
<tr>
<td>1.17</td>
<td>busybox 1.19.4 :r23</td>
</tr>
<tr>
<td>1.17.1</td>
<td></td>
</tr>
<tr>
<td>1.18</td>
<td>busybox-oe-min 1.19.4 :r1.1</td>
</tr>
<tr>
<td>1.18.1</td>
<td></td>
</tr>
<tr>
<td>1.19</td>
<td>bzip2 1.0.6 :12.el7</td>
</tr>
<tr>
<td>1.19.1</td>
<td></td>
</tr>
<tr>
<td>1.20</td>
<td>bzip2 1.0.6 :r5</td>
</tr>
<tr>
<td>1.20.1</td>
<td></td>
</tr>
<tr>
<td>1.21</td>
<td>ca-certificates 2014.1.98 :72.el7</td>
</tr>
<tr>
<td>1.21.1</td>
<td></td>
</tr>
<tr>
<td>1.22</td>
<td>centos-release 7 :1.1503.el7.centos.2.8</td>
</tr>
<tr>
<td>1.22.1</td>
<td></td>
</tr>
<tr>
<td>1.23</td>
<td>chkconfig 1.3.58 :r3</td>
</tr>
<tr>
<td>1.23.1</td>
<td></td>
</tr>
<tr>
<td>1.24</td>
<td>chkconfig 1.3.61 :4.el7</td>
</tr>
<tr>
<td>1.24.1</td>
<td></td>
</tr>
<tr>
<td>1.25</td>
<td>Cobertura 1.9.4.1</td>
</tr>
<tr>
<td>1.25.1</td>
<td></td>
</tr>
<tr>
<td>1.26</td>
<td>Cobertura :: Limited Runtime 1.9.4.1</td>
</tr>
<tr>
<td>1.26.1</td>
<td></td>
</tr>
<tr>
<td>1.27</td>
<td>Cobertura Maven Plugin 2.5</td>
</tr>
<tr>
<td>1.27.1</td>
<td></td>
</tr>
<tr>
<td>1.28</td>
<td>commons-beanutils-core 1.9.2</td>
</tr>
<tr>
<td>1.28.1</td>
<td></td>
</tr>
<tr>
<td>1.29</td>
<td>coreutils 8.14 :r7</td>
</tr>
<tr>
<td>1.29.1</td>
<td></td>
</tr>
<tr>
<td>1.30</td>
<td>coreutils 8.22 :11.el7</td>
</tr>
<tr>
<td>1.30.1</td>
<td></td>
</tr>
<tr>
<td>1.31</td>
<td>cpio 2.11 :r3</td>
</tr>
<tr>
<td>1.31.1</td>
<td></td>
</tr>
<tr>
<td>1.32</td>
<td>cpio 2.11 :24.el7</td>
</tr>
<tr>
<td>1.32.1</td>
<td></td>
</tr>
<tr>
<td>1.33</td>
<td>cracklib 2.8.18 :r6</td>
</tr>
<tr>
<td></td>
<td></td>
</tr>
</tbody>
</table>
1.33.1 Available under license
1.34 cracklib 2.9.0 :11.el7
   1.34.1 Available under license
1.35 createrepo 0.4.11
   1.35.1 Available under license
1.36 cronie 1.4.11 :13.el7
   1.36.1 Available under license
1.37 cronie 1.4.8 :r6
   1.37.1 Available under license
1.38 cryptsetup 1.6.6 :3.el7
   1.38.1 Available under license
1.39 curl 7.29.0 :25.el7.centos
   1.39.1 Available under license
1.40 curl 7.24.0 :r8
   1.40.1 Available under license
1.41 curlcpp 1.0
   1.41.1 Available under license
1.42 cyrus-sasl 2.1.26 :17.el7
   1.42.1 Notifications
   1.42.2 Available under license
1.43 cyrus-sasl/libdes 2.1.26 :17.el7
   1.43.1 Notifications
   1.43.2 Available under license
1.44 db 5.3.15 :r7
   1.44.1 Available under license
1.45 dbus 1.6.12 :11.el7
   1.45.1 Available under license
1.46 dbus 1.4.16 :r13.0
   1.46.1 Available under license
1.47 dhcp 4.2.3+P2 :r2.1
   1.47.1 Available under license
1.48 diffutils 3.3 :4.el7
   1.48.1 Available under license
1.49 diffutils 3.2 :r7
   1.49.1 Available under license
1.50 Doxia Core 1.0-alpha-4
   1.50.1 Available under license
1.51 e2fsprogs 1.42.1 :r4
   1.51.1 Available under license
1.52 e2fsprogs 1.42.9 :7.el7
   1.52.1 Available under license
1.53 ed 1.6 :r0
   1.53.1 Available under license
1.54 eglibc 2.15 :r21
   1.54.1 Available under license
1.55 elfutils 0.148
   1.55.1 Available under license
1.56 elfutils 0.160 :1.el7
   1.56.1 Available under license
1.57 ethtool 3.15 :2.el7
   1.57.1 Available under license
1.58 ethtool 2.6.36 :r0
   1.58.1 Available under license
1.59 expat 2.1.0 :8.el7
   1.59.1 Available under license
1.60 expat 2.0.1 :r2
   1.60.1 Available under license
1.61 expat_PrintPath 2.1.0 :8.el7
   1.61.1 Notifications
   1.61.2 Available under license
1.62 file 5.11 :21.el7
   1.62.1 Available under license
1.63 file 5.11 :r1
   1.63.1 Available under license
1.64 findutils 4.5.11 :3.el7
   1.64.1 Available under license
1.65 findutils 4.4.2 :r6
   1.65.1 Available under license
1.66 fipscheck 1.4.1 :5.el7
   1.66.1 Available under license
1.67 flex 2.5.35 :r3
   1.67.1 Available under license
1.68 fontconfig 2.8.0 :r4
   1.68.1 Available under license
1.69 fuzzywuzzy 0.2 :r5
   1.69.1 Available under license
1.70 gawk 4.0.0 :r1
   1.70.1 Available under license
1.71 gawk 4.0.2 :4.el7
   1.71.1 Available under license
1.72 gcc 4.8.3 :9.el7
   1.72.1 Available under license
1.73 gcc 4.7.2 :0.0
   1.73.1 Available under license
1.74 gdb 7.4.50.20120716 :r2
   1.74.1 Available under license
1.75 gdbm 1.10 :8.el7
   1.75.1 Available under license
1.76 gdbm 1.1 :r3
   1.76.1 Available under license
1.77 glib 2.32.3 :r4
   1.77.1 Available under license
1.78 glib2 2.32.3 :r4
   1.78.1 Available under license
1.79 glib2 2.40.0 :4.el7
   1.79.1 Available under license
1.80 glibc 2.17 :106.el7_2.1
   1.80.1 Available under license
1.81 gmp 5.0.4 :r0
   1.81.1 Available under license
1.82 gmp 6.0.0 :11.el7
   1.82.1 Available under license
1.83 gnupg2 2.0.22 :3.el7
   1.83.1 Available under license
1.84 gnutls 2.12.17 :r7.3
   1.84.1 Available under license
1.85 gpgme 1.3.2 :5.el7
   1.85.1 Available under license
1.86 gpgme_docs 1.3.2 :5.el7
   1.86.1 Available under license
1.87 gptfdisk 0.8.10 :r0
   1.87.1 Available under license
1.88 grep 2.20 :2.el7
   1.88.1 Available under license
1.89 grep 2.9 :r3
   1.89.1 Available under license
1.90 grub 0.97 :77.el6
1.90.1 Available under license

1.91 gzip 1.4 :r5
   1.91.1 Available under license

1.92 gzip 1.5 :7.el7
   1.92.1 Available under license

1.93 hdparm 9.39 :r4
   1.93.1 Available under license

1.94 hibernate-entitymanager 4.0.1.Final
   1.94.1 Available under license

1.95 hostname 3.13 :3.el7
   1.95.1 Available under license

1.96 i2c-tools 3.1.0 :r0
   1.96.1 Available under license

1.97 ICU 3.6 :r8
   1.97.1 Available under license

1.98 incron 0.5.10
   1.98.1 Available under license

1.99 inetutils 1.9.1 :r7
   1.99.1 Available under license

1.100 init-ifupdown 1.0
   1.100.1 Available under license

1.101 initscripts 1.0 :r144
   1.102.1 Available under license

1.103 initscripts 9.49.24 :1.el7
   1.103.1 Available under license

1.104 inotify-tools 3.14 :r0
   1.104.1 Available under license

1.105 iproute 3.10.0 :21.el7
   1.105.1 Available under license

1.106 iproute2 3.5.1 :r3
   1.106.1 Available under license

1.107 iptables 1.4.12.2 :r1
   1.107.1 Available under license

1.108 iptables 1.4.21 :13.el7
   1.108.1 Available under license

1.109 iputils 20121221 :6.el7
   1.109.1 Available under license

1.110 iputils s20101006 :r6
1.110.1 Available under license
1.111 iw 3.6
1.111.1 Available under license
1.112 java-getopt 1.0.9
1.112.1 Available under license
1.113 Java-WebSocket 1.3.0
1.113.1 Available under license
1.114 Jettison 1.3.5
1.114.1 Available under license
1.115 json 20140107
1.115.1 Available under license
1.116 json-c 0.11 :4.el7_0
1.116.1 Available under license
1.117 json-io 2.6.0
1.117.1 Available under license
1.118 json-smart 1.0.8
1.118.1 Available under license
1.119 jsonrpc2-base 1.35
1.119.1 Available under license
1.120 jsonrpc2-client 1.14.4
1.120.1 Available under license
1.121 jsonrpc2-server 1.10.1
1.121.1 Available under license
1.122 kernel-linux 3.4.10
1.122.1 Available under license
1.123 kexec-tools 2.0.3 :0.0
1.123.1 Available under license
1.124 keyutils 1.5.8 :3.el7
1.124.1 Available under license
1.125 kmod 14 :10.el7
1.125.1 Available under license
1.126 kmod 14-3b38c7fcb5
1.126.1 Available under license
1.127 krb5 1.12.2 :14.el7
1.127.1 Available under license
1.128 less 444.0 :r3
1.128.1 Available under license
1.129 libassuan 2.1.0 :3.el7
1.129.1 Available under license
1.130 libcap 2.22 :r5
   1.130.1 Available under license
1.131 libcap 2.22 :8.el7
   1.131.1 Available under license
1.132 libcap-ng 0.7.3 :5.el7
   1.132.1 Available under license
1.133 libcap-ng_utils 0.7.3 :5.el7
   1.133.1 Available under license
1.134 libdb 5.3.21 :17.el7_0.1
   1.134.1 Available under license
1.135 libedit 3.0 :12.20121213cvs.el7
   1.135.1 Available under license
1.136 libestr 0.1.9 :2.el7
   1.136.1 Available under license
1.137 libevent 2.0.16 :r2
   1.137.1 Available under license
1.138 libffi 3.0.13 :11.el7
   1.138.1 Available under license
1.139 libffi 3.0.10 :r0
   1.139.1 Available under license
1.140 libffi_testsuite 3.0.13 :11.el7
   1.140.1 Available under license
1.141 libgcc-s1 4.6.3 :r2
   1.141.1 Available under license
1.142 libgcrypt 1.5.0 :r1
   1.142.1 Available under license
1.143 libgcrypt 1.5.3 :12.el7
   1.143.1 Available under license
1.144 libgpg-error 1.12 :3.el7
   1.144.1 Available under license
1.145 libgpg-error0 1.10 :r1
   1.145.1 Available under license
1.146 libice 1.0.8 :r0
   1.146.1 Available under license
1.147 libidn 1.28 :3.el7
   1.147.1 Available under license
1.148 liblzma5 5.1.1alpha :r0
   1.148.1 Available under license
1.149 libmnl 1.0.3 :7.el7
1.149.1 Available under license
1.150 libnetfilter_conntrack 1.0.4 :2.el7
   1.150.1 Available under license
1.151 libnfnetlink 1.0.1 :4.el7
   1.151.1 Available under license
1.152 libnfsidmap 0.24 :r0
   1.152.1 Available under license
1.153 libnl 3.2.8 :r1
   1.153.1 Available under license
1.154 libpam 1.1.5 :r7.3
   1.154.1 Available under license
1.155 libpcap 1.5.3 :December 18, 2013
   1.155.1 Available under license
1.156 libpcap 1.2.1 :r1.0
   1.156.1 Available under license
1.157 libpcre 8.21 :r1
   1.157.1 Available under license
1.158 libpwquality 1.2.3 :4.el7
   1.158.1 Available under license
1.159 libselinux-utils-GPLv2 2.2.2 :6.el7
   1.159.1 Available under license
1.160 libsemanage 2.1.10 :16.el7
   1.160.1 Available under license
1.161 libsepol 2.1.9 :3.el7
   1.161.1 Available under license
1.162 libsm 1.2.1 :r0
   1.162.1 Available under license
1.163 libssh2 1.4.2 :r0
   1.163.1 Available under license
1.164 libssh2 1.4.3 :10.el7
   1.164.1 Available under license
1.165 libtasn1 3.3 :r0
   1.165.1 Available under license
1.166 libtasn1 3.8 :2.el7
   1.166.1 Available under license
1.167 libtasn1 2.14 :r0
   1.167.1 Available under license
1.168 libtasn1/gplv3 3.3 :r0
   1.168.1 Available under license
1.169 libtirpc 0.2.2 :r0
  1.169.1 Available under license
1.170 libusb 1.0.8 :r4
  1.170.1 Available under license
1.171 libusb-compat 0.1.3 :r4
  1.171.1 Available under license
1.172 libusb1 1.0.8 :r5
  1.172.1 Available under license
1.173 libuser 0.60 :5.el7
  1.173.1 Available under license
1.174 libutempter 1.1.6 :4.el7
  1.174.1 Available under license
1.175 libverto 0.2.5 :4.el7
  1.175.1 Available under license
1.176 libx11 1.4.4 :r2
  1.176.1 Available under license
1.177 libxau 1.0.7 :r0
  1.177.1 Available under license
1.178 libxcb 1.8.1 :r0
  1.178.1 Available under license
1.179 libxdmcp 1.1.1 :r0
  1.179.1 Available under license
1.180 libxml2 2.9.1 :6.el7_2.2
  1.180.1 Available under license
1.181 libxml2 2.7.8 :r8.8
  1.181.1 Available under license
1.182 linux-libc-headers 3.1 :r0
  1.182.1 Available under license
1.183 linux-yocto 3.10.17+gitAUTOINC+6ad20f049a_c03195ed6e :r0
  1.183.1 Available under license
1.184 logrotate 3.8.1 :r0.2
  1.184.1 Available under license
1.185 logrotate 3.8.6 :4.el7
  1.185.1 Available under license
1.186 lsof 4.85 :r1
  1.186.1 Available under license
1.187 lua 5.1.4 :14.el7
  1.187.1 Available under license
1.188 lvm2 2.02.95 :r0.1
1.188.1 Available under license

1.189 lvm2 2.02.115 :3.el7
1.189.1 Available under license

1.190 lzo 2.06 :r1
1.190.1 Available under license

1.191 make 3.82 :21.el7
1.191.1 Available under license

1.192 maven-compiler-plugin 2.3.2
1.192.1 Available under license

1.193 maven-release-plugin 2.4.1
1.193.1 Available under license

1.194 maven-reporting-api 2.0
1.194.1 Available under license

1.195 maven-reporting-impl 2.0
1.195.1 Available under license

1.196 mdadm 3.2.3 :r2
1.196.1 Available under license

1.197 mingetty 1.08 :r3
1.197.1 Available under license

1.198 minicom 2.6.1 :r0
1.198.1 Available under license

1.199 mktemp 1.7 :r3
1.199.1 Available under license

1.200 module-init-tools 3.16 :r0
1.200.1 Available under license

1.201 mtd-utils 1.4.9 :r2
1.201.1 Available under license

1.202 ncurses 5.9 :r13.1
1.202.1 Available under license

1.203 ncurses 5.9 :13.20130511.el7
1.203.1 Available under license

1.204 net-tools 1.60+23 :r4
1.204.1 Available under license

1.205 net-tools 2.0 :0.17.20131004git.el7
1.205.1 Available under license

1.206 netbase 4.47 :r2
1.206.1 Available under license

1.207 netty-all 4.0.21.Final
1.207.1 Available under license
1.208 Netty-Handler 4.0.20.Final
   1.208.1 Available under license
1.209 Netty/Buffer 4.0.19.Final
   1.209.1 Available under license
1.210 Netty/Common 4.0.19.Final
   1.210.1 Available under license
1.211 nfs-utils 1.2.3 :r20
   1.211.1 Available under license
1.212 Nginx 1.7.10
   1.212.1 Available under license
1.213 nspr 4.10.6 :3.el7
   1.213.1 Available under license
1.214 nss 3.16.2.3 :5.el7
   1.214.1 Available under license
1.215 nss-softokn 3.16.2.3 :9.el7
   1.215.1 Available under license
1.216 nss-util 3.16.2.3 :2.el7
   1.216.1 Available under license
1.217 ntp 4.2.6p2
   1.217.1 Available under license
1.218 ocf-linux 2.0120127E7
   1.218.1 Available under license
1.219 openldap 2.4.40 :8.el7
   1.219.1 Available under license
1.220 openldap 2.4.16
   1.220.1 Available under license
1.221 openssh 6.6.1p1 :11.el7
   1.221.1 Available under license
1.222 openssh 6.0p1
   1.222.1 Available under license
1.223 openssl 1.0.0i
   1.223.1 Notifications
   1.223.2 Available under license
1.224 OpenSSL 1.0.0 :r2.10
   1.224.1 Available under license
1.225 openssl 1.0.1e :51.el7_2.2
   1.225.1 Available under license
1.226 opkg 0.1.8+svn633 :r10.0
   1.226.1 Available under license
1.227 ossp-uuid 1.6.2 :r1
1.228 p11-kit 0.20.7 :3.el7
   1.228.1 Available under license
1.229 pam 1.1.8 :12.el7
   1.229.1 Available under license
1.230 parted 3.1 :r1
   1.230.1 Available under license
1.231 passwd 0.79 :4.el7
   1.231.1 Available under license
1.232 Paste 1.7.5.1 :0.0
   1.232.1 Available under license
1.233 patch 2.6.1 :r1
   1.233.1 Available under license
1.234 pciutils 3.2.0 :r0
   1.234.1 Available under license
1.235 pcre 8.32 :14.el7
   1.235.1 Available under license
1.236 Perl 5.14.2 :r9.4
   1.236.1 Available under license
1.237 pinentry 0.8.1 :14.el7
   1.237.1 Available under license
1.238 pkgconfig 0.27.1 :4.el7
   1.238.1 Available under license
1.239 policycoreutils 2.2.5 :15.el7
   1.239.1 Available under license
1.240 popt 1.13 :16.el7
   1.240.1 Available under license
1.241 popt 1.16 :r1
   1.241.1 Available under license
1.242 Portmap 6.0 :r8
1.243 ppp 2.4.5
   1.243.1 Available under license
1.244 procps 3.2.8 :r12
   1.244.1 Available under license
1.245 procps-ng 3.3.10 :3.el7
   1.245.1 Available under license
1.246 psmisc 22.16 :r2
   1.246.1 Available under license
1.247 pth 2.0.7
1.247.1 Available under license
1.248 pugixml 1.4
  1.248.1 Available under license
1.249 pygpgme 0.3 :9.el7
  1.249.1 Available under license
1.250 pyliblzma 0.5.3 :11.el7
  1.250.1 Available under license
1.251 python 2.7.2 :r5.19
  1.251.1 Available under license
1.252 python 2.7.5 :16.el7
  1.252.1 Available under license
1.253 python-argparse 1.2.1 :r1
  1.253.1 Available under license
1.254 python-async 0.6.1 :r0
  1.254.1 Available under license
1.255 python-contextlib2 0.4.0 :r0
  1.255.1 Available under license
1.256 python-iniparse 0.3.2 :r0
  1.256.1 Available under license
1.257 python-iniparse 0.4 :9.el7
  1.257.1 Available under license
1.258 python-ipaddress 1.0 :r0
  1.258.1 Available under license
1.259 python-nsenter 0.1.6 :r0
  1.259.1 Available under license
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1.264 python-pycurl 7.19.0 :17.el7
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1.265 python-pycurl 7.19.0 :r2
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1.266 python-pycurl 7.19.0 :r3
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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 Library will still fall under Section 6.)

Otherwise, if the work is a derivative of the Library, you may
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This package was debianized by Nathan Scott nathans@debian.org on
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For example, on rare occasions, there may be a special need to encourage the widest possible use of a certain library, so that it becomes a de-facto standard. To achieve this, non-free programs must be allowed to use the library. A more frequent case is that a free library does the same job as widely used non-free libraries. In this case, there is little to gain by limiting the free library to free software only, so we use the Lesser General Public License.

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

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John

On May 9, 1:36pm, Chet Ramey wrote:

} Subject: ksh scripts
} From odin.ins.cwru.edu!chet Tue May  9 10:39:51 1995
} Received: from odin.INS.CWRU.Edu by deepthought.armory.com id aa22336;
}         9 May 95 10:39 PDT
} Received: (chet@localhost) by odin.INS.CWRU.Edu (8.6.10+cwru/CWRU-2.1-ins)
} id NAA20487; Tue, 9 May 1995 13:39:24 -0400 (from chet)
} Date: Tue, 9 May 1995 13:36:54 -0400
} From: Chet Ramey <chet@odin.ins.cwru.edu>
} To: john@armory.com
} Subject: ksh scripts
} Cc: chet@odin.ins.cwru.edu
} Reply-To: chet@po.cwru.edu
} Message-ID: <9505091736.AA20411.SM@odin.INS.CWRU.Edu>
} Read-Receipt-To: chet@po.CWRU.Edu
} MIME-Version: 1.0
} Content-Type: text/plain; charset=us-ascii
} Status: OR
}
} Hi. I'm the maintainer of bash (the GNU `Bourne Again shell') for
} the FSF.
}
} I picked up a tar file of ksh scripts you wrote from an anon FTP site
} a while back. I'd like your permission to include modified versions
} of some of them in the next major bash distribution (with proper credit
} given, of course). Is it OK if I do that?
}
} Chet Ramey
}
}
} --
} ``The lyf so short, the craft so long to lerne.'' - Chaucer
}
} Chet Ramey, Case Western Reserve UniversityInternet: chet@po.CWRU.Edu
}-- End of excerpt from Chet Ramey
From friedman@cli.com Thu May 25 12:19:06 1995
Flags: 10
Return-Path: friedman@cli.com
Received: from po.cwru.edu (root@po.CWRU.Edu [129.22.4.2]) by odin.INS.CWRU.Edu with ESMTP (8.6.10+cwru/CWRU-2.1-ins)
  id MAA08685; Thu, 25 May 1995 12:19:05 -0400 (from friedman@cli.com for <chet@odin.INS.CWRU.Edu>)
Received: from cli.com (cli.com [192.31.85.1]) by po.cwru.edu with SMTP (8.6.10+cwru/CWRU-2.3)
  id MAA11299; Thu, 25 May 1995 12:19:00 -0400 (from friedman@cli.com for <chet@po.cwru.edu>)
Received: from tepui.cli.com by cli.com (4.1/SIM-4.1)
  id AA27213; Thu, 25 May 95 11:18:25 CDT
Hi. I snagged some of your bash functions from your home directory on the FSF machines (naughty, I know), and I was wondering if you'd let me distribute them with bash-2.0. Thanks.

Sure. I think there's a later copy in ~ftp/friedman/shell-inits/init-4.89.tar.gz. There are also some elisp and es frobs in that file.

It should serve as a pretty good example of how to get carried away. :-)

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1.13 bash 4.2 :r8
1.13.1 Available under license :
From friedman@cli.com Thu May 25 12:19:06 1995
Flags: 10
Return-Path: friedman@cli.com
Received: from po.cwru.edu (root@po.CWRU.Edu [129.22.4.2]) by odin.INS.CWRU.Edu with ESMTP
(8.6.10+cwru/CWRU-2.1-ins)
id MAA08685; Thu, 25 May 1995 12:19:05 -0400 (from friedman@cli.com for <chet@odin.INS.CWRU.Edu>)
Received: from cli.com (cli.com [192.31.85.1]) by po.cwru.edu with SMTP (8.6.10+cwru/CWRU-2.3)
id MAAI1299; Thu, 25 May 1995 12:19:00 -0400 (from friedman@cli.com for <chet@po.cwru.edu>)
Received: from tepui.cli.com by cli.com (4.1/SMI-4.1)
id AA27213; Thu, 25 May 95 11:18:25 CDT
Received: by tepui.cli.com (4.1) id AA16031; Thu, 25 May 95 11:18:23 CDT
Message-Id: <9505251618.AA16031@tepui.cli.com>
From: friedman@gnu.ai.mit.edu (Noah Friedman)
To: chet@po.cwru.edu
Subject: Bash scripts
Reply-To: friedman@gnu.ai.mit.edu
In-Reply-To: <chet@odin.ins.cwru.edu> Thu, 25 May 1995 11:19:59 -0400
References: <9505251519.AA06424.SM@odin.INS.CWRU.Edu>
Date: Thu, 25 May 95 11:18:21 CST

>Hi. I snagged some of your bash functions from your home directory on
>the FSF machines (naughty, I know), and I was wondering if you'd let
>me distribute them with bash-2.0. Thanks.

Sure. I think there's a later copy in
~ftp/friedman/shell-inits/init-4.89.tar.gz. There are also some elisp and
es frobs in that file.

It should serve as a pretty good example of how to get carried away. :-)

From mikel@ora.com Tue Aug 1 12:13:20 1995
Flags: 10
Return-Path: mikel@ora.com
Received: from ruby.ora.com (ruby.ora.com [198.112.208.25]) by odin.INS.CWRU.Edu with ESMTP
(8.6.12+cwru/CWRU-2.1-ins)
id MAA01565; Tue, 1 Aug 1995 12:13:18 -0400 (from mikel@ora.com for <chet@odin.INS.CWRU.Edu>)
Received: (from fax@localhost) by ruby.ora.com (8.6.12/8.6.11) with UUCP id MAA23251; Tue, 1 Aug 1995
12:07:51 -0400
Received: by los.ora.com (4.1/Spike-2.1)
id AA00672; Tue, 1 Aug 95 08:57:32 EDT
Date: Tue, 1 Aug 95 08:57:32 EDT
From: mikel@ora.com (Michael Loukides)
Message-Id: <9508011257.AA00672@los.ora.com>
Subject: Re: Ksh debugger from Rosenblatt's book [for bash]
To: Chet Ramey <chet@odin.INS.CWRU.Edu>
Cc: cmarie@ora.com, cam@iinet.com.au, brosenblatt@tm.com
In-Reply-To: Chet Ramey <chet@odin.INS.CWRU.Edu>, Mon, 31 Jul 1995 16:22:48 -0400

I've modified a (modified) version of Bill Rosenblatt's ksh debugger
  to work with bash-2.0. Does ORA have any problem with me distributing
  it with bash-2.0?

That's great!

Go ahead and circulate it; in fact, we should probably grab it and
  stick it in our ftp archive, and put a reference to it in the book.
(Too late to actually discuss the thing, at least for this edition).

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From spcecdt@armory.com Wed May 10 10:21:11 1995
Flags: 10
Return-Path: spcecdt@armory.com
Received: from po.cwru.edu (root@po.CWRU.Edu [129.22.4.2]) by odin.INS.CWRU.Edu with ESMTP
(8.6.10+cwru/CWRU-2.1-ins)
id KAA22876; Wed, 10 May 1995 10:21:10 -0400 (from spcecdt@armory.com for <chet@odin.INS.CWRU.Edu>)
Received: from deepthought.armory.com (mmdf@deepthought.armory.com [192.122.209.42]) by po.cwru.edu with
Sure. The canonical versions are available on ftp.armory.com; you might want to pick up the latest versions before modifying them.

John

On May 9, 1:36 pm, Chet Ramey wrote:

} Subject: ksh scripts
} From odin.ins.cwru.edu!chet Tue May 9 10:39:51 1995
} Received: from odin.INS.CWRU.Edu by deepthought.armory.com id aa22336;
} 9 May 95 10:39 PDT
} Received: (chet@localhost) by odin.INS.CWRU.Edu (8.6.10+cwru/CWRU-2.1-ins)
} id NAA20487; Tue, 9 May 1995 13:39:24 -0400 (from chet)
} Date: Tue, 9 May 1995 13:36:54 -0400
} From: Chet Ramey <chet@odin.ins.cwru.edu>
} To: john@armory.com
} Subject: ksh scripts
} Cc: chet@odin.ins.cwru.edu
} Reply-To: chet@po.cwru.edu
} Message-ID: <9505091736.AA20411.SM@odin.INS.CWRU.Edu>
} Read-Receipt-To: chet@po.CWRU.Edu
} MIME-Version: 1.0
} Content-Type: text/plain; charset=us-ascii
} Status: OR
}
} Hi. I'm the maintainer of bash (the GNU `Bourne Again shell') for
} the FSF.
}
} I picked up a tar file of ksh scripts you wrote from an anon FTP site
} a while back. I'd like your permission to include modified versions
} of some of them in the next major bash distribution (with proper credit
} given, of course). Is it OK if I do that?
}
} Chet Ramey
}
} --
} `"The lyf so short, the craft so long to lerne."' - Chaucer
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++++++++++++++++

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

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

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

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

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

The Intel 80386 machine description was written by Eliot Dresselhaus.

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

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

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

Support for the Zilog Z8k and Hitachi H8/300, H8/500 and SH processors (tc-z8k, tc-h8300, tc-h8500, tc-sh), and IEEE 695 object file format (obj-ieee), was written by Steve Chamberlain of Cygnus Solutions. Steve also modified the COFF back end (obj-coffbfd) to use BFD for some low-level operations, for use with the Hitachi, 29k and Zilog targets.

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

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

David Edelsohn contributed fixes for the PowerPC and AIX support.

Steve Chamberlain made gas able to generate listings.

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

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

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

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

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

Klaus Kaempf ported the assembler and the binutils to openVMS/Alpha.
Steve Haworth contributed the support for the Texas Instruction c30 (tms320c30).

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

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

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

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   (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.

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

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

When a "work that uses the Library" uses material from a header file that is part of the Library, the object code for the work may be a derivative work of the Library even though the source code is not. Whether this is true is especially significant if the work can be linked without the Library, or if the work is itself a library. The threshold for this to be true is not precisely defined by law.
If such an object file uses only numerical parameters, data structure layouts and accessors, and small macros and small inline functions (ten lines or less in length), then the use of the object file is unrestricted, regardless of whether it is legally a derivative work. (Executables containing this object code plus portions of the Library will still fall under Section 6.)

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

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

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b) Use a suitable shared library mechanism for linking with the Library. A suitable mechanism is one that (1) uses at run time a copy of the library already present on the user's computer system, rather than copying library functions into the executable, and (2) will operate properly with a modified version of the library, if the user installs one, as long as the modified version is interface-compatible with the version that the work was made with.
c) Accompany the work with a written offer, valid for at least three years, to give the same user the materials specified in Subsection 6a, above, for a charge no more than the cost of performing this distribution.

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

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

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

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

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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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1.16 binutils 2.23.52.0.1 :30.el7_1.1

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iconv (Charset Conversion Library) v2.0

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

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

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

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

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

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

The Intel 80386 machine description was written by Eliot Dresselhaus.

Minh Tran-Le at IntelllCorp 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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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.

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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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.

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.
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### 1.22 centos-release 7 :1.1503.el7.centos.2.8

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#### ## Special Recognition ##

One of the key reasons we got delayed on the CentOS-6 release was lack of suitable build resources, especially when we had to repeatedly build large chunks of code. Norwood S came forward and worked with me to setup a large build machine, then tune the build process and help improve the overall build, test and validate process we were using. This build machine he donated to the project was about 5 times more capable than the entire buildsystem we had. And he did this out of his own pocket, from his own time, and has since upgraded the machine as well. It's now a 128GB, 48 core machine, with 4 SSD's and 4 sata disks : but the key metric is that it can build from source, the entire CentOS-7 distro in under 22 hrs.

Having this capability was key in our ability to build, test and deliver CentOS-7 as rapidly as we have been able to.

We'd like to dedicate the CentOS-7 Release to Mr Norwood S, of Phoenix, AZ, USA for his continued support for the project.

Contributors:
The Red Hat developers, without whom CentOS would look very different

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1.24 chkconfig 1.3.61 :4.el7

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. "${srcdir=.}/init.sh"; path_prepend_ ../src
print_ver_ md5sum

# Note we start this list with a name
# that's unambiguous in BSD format.
# I.E. one not starting with ' ' or '*'
for i in 'a' ' b' '*c' 'dd' ' '; do
  echo "$i" > "$i"
  md5sum "$i" >> check.md5sum
done
sed 's/  / /' check.md5sum > check.md5

# Note only a single format is supported per run
md5sum --strict -c check.md5sum || fail=1
md5sum --strict -c check.md5 || fail=1

# If we skip the first entry in the BSD format checksums
# then it'll be detected as standard format and error.
# This unlikely caveat was thought better than mandating
# an option to avoid the ambiguity.
tail -n+2 check.md5 | md5sum --strict -c && fail=1

Exit $fail
1.30 coreutils 8.22 :11.el7

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524
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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.

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the "copyright" line and a pointer to where the full notice is found.

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

```bash
<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".

You should also get your employer (if you work as a programmer) or school, if any, to sign a "copyright disclaimer" for the program, if necessary.
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### 1.33 cracklib 2.8.18 :r6

#### 1.33.1 Available under license :

---------
EFFECTIVE OCT 2008, LICENSE IS BEING CHANGED TO LGPL-2.1 (though not reflected in released code until Nov 2009 - slow release cycle...)
---------

Discussion thread from mailing list archive, with approval from everyone actively involved or holding original licensing rights included.

[Cracklib-devel] cracklib license
From: Mike Frysinger <vapier@ge...> - 2007-10-02 01:16

Attachments: Message as HTML
looks like 2.8.11 is out and marked as "GPL-2" ... releasing libraries unde=r
=20
GPL-2 is not desirable at all ... this is why the LGPL-2.1 exists =2Dmike
Re: [Cracklib-devel] cracklib license
From: Neulinger, Nathan <nneul@um...> - 2007-10-02 01:18
I understand that, and you're welcome to bring it up with Alec directly
and see if he wants to relicense his code as LGPL... but at this point,
it was enough to just get it consistent and documented as to what it was
released under. This wasn't actually a license change, just a
clarification of the licensing that was already in place.

-- Nathan
=

------------------------------------------------------------
Nathan Neulinger EMail: nneul@um...
University of Missouri - Rolla Phone: (573) 341-6679
UMR Information Technology Fax: (573) 341-4216

> -----Original Message-----
> From: cracklib-devel-bounces@li...
> [mailto:cracklib-devel-bounces@li...] On Behalf Of
> Mike Frysinger
> Sent: Monday, October 01, 2007 8:15 PM
> To: cracklib-devel@li...
> Subject: [Cracklib-devel] cracklib license
>
> looks like 2.8.11 is out and marked as "GPL-2" ... releasing
> libraries under
> GPL-2 is not desirable at all ... this is why the LGPL-2.1 exists
> -mike

Re: [Cracklib-devel] cracklib license
From: Mike Frysinger <vapier@ge...> - 2007-10-02 01:33

Attachments: Message as HTML
On Monday 01 October 2007, Neulinger, Nathan wrote:
> I understand that, and you're welcome to bring it up with Alec directly
> and see if he wants to relicense his code as LGPL... but at this point,
> it was enough to just get it consistent and documented as to what it was
> released under. This wasn't actually a license change, just a
> clarification of the licensing that was already in place.

the original license (before moving to sourceforge -- aka, 2.7) was not
GPL-2 ... it was a modified artistic license ... i didn't notice the license=
change until it was mentioned in the latest notes.

unlike the old license, GPL-2 prevents people from using cracklib unless th= 
applications are also GPL-2 which imo is just wrong. it isn't the place of a library to dictate to application writes what license they should be using. thus LGPL-2.1 enters to fill this void.

Re: [Cracklib-devel] cracklib license
From: Neulinger, Nathan <nneul@um...> - 2007-10-02 01:46
Seems like the ideal thing here would be for you and the other distro maintainers to get together with Alec in a conversation and come to a decision as to what licensing scheme y'all want. I haven't really done much other than cleaning up the packaging and patches and a small bit of additional code, so whatever licensing y'all come up with is fine by me.

-- Nathan

------------------------------------------------------------
Nathan Neulinger EMail: nneul@um...
University of Missouri - Rolla Phone: (573) 341-6679
UMR Information Technology Fax: (573) 341-4216

> -----Original Message-----
> From: cracklib-devel-bounces@li... [mailto:cracklib-devel-bounces@li...]
> On Behalf Of Mike Frysinger
> Sent: Monday, October 01, 2007 8:33 PM
> To: Neulinger, Nathan
> Cc: cracklib-devel@li...; Alec Muffett
> Subject: Re: [Cracklib-devel] cracklib license
>
> On Monday 01 October 2007, Neulinger, Nathan wrote:
> > I understand that, and you're welcome to bring it up with Alec directly
> > and see if he wants to relicense his code as LGPL... but at this point,
> > it was enough to just get it consistent and documented as to what it was
> > released under. This wasn't actually a license change, just a clarification of the licensing that was already in place.
> > the original license (before moving to sourceforge -- aka, 2.7) was not GPL-2 ... it was a modified artistic license ... i didn't notice the license
> > change until it was mentioned in the latest notes.
>=20
> unlike the old license, GPL-2 prevents people from using cracklib
> unless their
> applications are also GPL-2 which imo is just wrong. it isn't the
> place of a
> library to dictate to application writes what license they should
> be using.
> thus LGPL-2.1 enters to fill this void.
> -mike

Re: [Cracklib-devel] cracklib license
From: Alec Muffett <alecm@cr...> - 2007-10-02 08:57
> Seems like the ideal thing here would be for you and the other distro
> maintainers to get together with Alec in a conversation and come to a
> decision as to what licensing scheme y'all want. I haven't really done
> much other than cleaning up the packaging and patches and a small
> bit of
> additional code, so whatever licensing y'all come up with is fine
> by me.

I am sympathetic. Guys, what do you reckon?

What I am hearing so far is that LGPL makes sense, since it can be
linked with any code, not just GPL...

-a

Re: [Cracklib-devel] cracklib license
From: Devin Reade <gdr@gn...> - 2007-10-02 15:04
I would like to see it under LGPL as well. I think it is in everyone's
best interests to have as secure systems as possible, and I think tainting
it via GPL will just make it less likely that the library gets used, and
will not usually cause companies/developers to GPL the dependent code
(where it is not already GPL).

I like GPL, I use it when I can, but I don't think that it's the correct
license in this situation.

Devin
--
If it's sinful, it's more fun.

Re: [Cracklib-devel] cracklib license
From: Nalin Dahyabhai <nalin@re...> - 2008-01-28 16:32
On Tue, Oct 02, 2007 at 09:57:31AM +0100, Alec Muffett wrote:
> > Seems like the ideal thing here would be for you and the other distro
> > maintainers to get together with Alec in a conversation and come to a
> > decision as to what licensing scheme y'all want. I haven't really done
> > much other than cleaning up the packaging and patches and a small
> > bit of
> > > additional code, so whatever licensing y'all come up with is fine
> > > by me.
> > >
> > > I am sympathetic. Guys, what do you reckon?
> > >
> > > What I am hearing so far is that LGPL makes sense, since it can be
> > > linked with any code, not just GPL...
> >
> My apologies for not chiming in in anything resembling a reasonable
timeframe.

I'd also suggest the LGPL, for the reason you noted above. Alternately,
GPLv2 with the option of using the library under a later version of the
GPL would permit applications which were released under version 3 of the
GPL to use the library, too, which would be sufficient for the packages
which are included in Fedora. FWIW, I'd personally lean toward LGPL.

In any case, I thank you both for working on sorting this out.

Cheers,

Nalin

---

Re: [Cracklib-devel] cracklib license
From: Mike Frysinger <vapier@ge...> - 2008-10-05 21:27

Attachments: Message as HTML

On Monday 28 January 2008, Nalin Dahyabhai wrote:
> On Tue, Oct 02, 2007 at 09:57:31AM +0100, Alec Muffett wrote:
> > > Seems like the ideal thing here would be for you and the other distro
> > > maintainers to get together with Alec in a conversation and come to a
> > > decision as to what licensing scheme y'all want. I haven't really done
> > > much other than cleaning up the packaging and patches and a small
> > > bit of
> > > > additional code, so whatever licensing y'all come up with is fine
> > > > by me.
> > > >
> > > > I am sympathetic. Guys, what do you reckon?
> > > >
> > > > What I am hearing so far is that LGPL makes sense, since it can be
> > > > linked with any code, not just GPL....
> >
>
My apologies for not chiming in in anything resembling a reasonable timeframe.

I'd also suggest the LGPL, for the reason you noted above. Alternately, GPLv2 with the option of using the library under a later version of the GPL would permit applications which were released under version 3 of the GPL to use the library, too, which would be sufficient for the packages which are included in Fedora. FWIW, I'd personally lean toward LGPL.

In any case, I thank you both for working on sorting this out.

looks like everyone is OK with LGPL-2.1 (GNU Lesser license), so can we make the change now?

-mike

Re: [Cracklib-devel] cracklib license
From: Alec Muffett <alecm@cr...> - 2008-10-05 23:18
>> In any case, I thank you both for working on sorting this out.
> looks like everyone is OK with LGPL-2.1 (GNU Lesser license), so can we make the change now?
> yes. go for it. thanks++

-a

Re: [Cracklib-devel] cracklib license
From: Mike Frysinger <vapier@ge...> - 2008-10-25 22:34

Attachments: Message as HTML
On Sunday 05 October 2008, Alec Muffett wrote:
> >> In any case, I thank you both for working on sorting this out.
> 
> > looks like everyone is OK with LGPL-2.1 (GNU Lesser license), so can we make the change now?
> > yes. go for it. thanks++
>
> Nathan Neulinger is the only one who can actually make said change ...
- -mike

----------
BELOW IS ORIGINAL LICENSING DISCUSSION RE CHANGING TO GPL from Artistic.
----------
CrackLib was originally licensed with a variant of the Artistic license. In the interests of wider acceptance and more modern licensing, it was switched with the original author's blessing to GPL v2.

This approval was carried out in email discussions in 2005, and has been reconfirmed as of 2007-10-01 with the following email from Alec Muffett.

The below email references nneul@umr.edu address, as that is the address that was used at the time. For any future emails regarding this, please use nneul@neulinger.org.

-------------------------------------
From alecm@crypticide.com Mon Oct 1 12:26:03 2007
Received: from umr-exproto2.cc.umr.edu ([131.151.0.192]) by UMR-CMAIL1.umr.edu with Microsoft
SMTPSVC(6.0.3790.3959); Mon, 1 Oct 2007 12:26:03 -0500
Received: from scansrv2.srv.mst.edu ([131.151.1.114]) by umr-exproto2.cc.umr.edu with Microsoft
SMTPSVC(6.0.3790.3959); Mon, 1 Oct 2007 12:26:02 -0500
Received: (qmail 8022 invoked from network); 1 Oct 2007 16:59:55 -0000
Received: from smtp1.srv.mst.edu (131.151.1.43)
     by scanin-ipvs.cc.umr.edu with SMTP; 1 Oct 2007 16:59:55 -0000
Received: from spunkymail-mx8.g.dreamhost.com (mx1.spunky.mail.dreamhost.com [208.97.132.47])
     by smtp1.srv.mst.edu (8.13.1/8.13.1) with ESMTPT id 191Gxtpr020623
for <nneul@umr.edu>; Mon, 1 Oct 2007 11:59:55 -0500
Received: from rutherford.zen.co.uk (rutherford.zen.co.uk [212.23.3.142])
     by spunkymail-mx8.g.dreamhost.com (Postfix) with ESMTPT id 2C7734D311
for <nneul@neulinger.org>; Mon, 1 Oct 2007 09:59:50 -0700 (PDT)
Received: from [82.68.43.14] (helo=192.168.1.3)
     by rutherford.zen.co.uk with esmtp (Exim 4.50)
id 11cOcX-0004Qt-6L
for nneul@neulinger.org: Mon, 01 Oct 2007 16:59:49 +0000
Mime-Version: 1.0 (Apple Message framework v752.2)
In-Reply-To: <1b1b3fd807100109088k1ldac0afp1f2dd471059ff9a4@mail.gmail.com>
References: <1190922867.3457.147.camel@localhost.localdomain>
              <EC90713277D2BE41B7110CCD74E235CE544F38@UMR-CMAIL1.umr.edu>
              <1b1b3fd807100109088k1ldac0afp1f2dd471059ff9a4@mail.gmail.com>
Content-Type: text/plain; charset=UTF-8; delsp=yes; format=flowed
Message-Id: <117A1264-F6DC-4E25-B0DD-56FBFE8E6E9F@crypticide.com>
Content-Transfer-Encoding: 7bit
From: Alec Muffett <alecm@crypticide.com>
Subject: Re: cracklib license
Date: Mon, 1 Oct 2007 17:59:46 +0100
To: Nathan Neulinger <nneul@neulinger.org>
Any chance you could write me a self-contained email stating clearly that the license is being changed to GPL, so I could include that email in the repository and clean up the repository/tarballs? I have all the original discussion, but something succinct and self contained would be ideal.

The license for my code in the Cracklib distribution is henceforth GPL.

Happy now? :-)

-a

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Version 2.1, February 1999

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^L

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

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Discussion thread from mailing list archive, with approval from everyone actively involved or holding original licensing rights included.

[Cracklib-devel] cracklib license
From: Mike Frysinger <vapier@ge...> - 2007-10-02 01:16

Attachments: Message as HTML
looks like 2.8.11 is out and marked as "GPL-2" ... releasing libraries unde=r=20
GPL-2 is not desirable at all ... this is why the LGPL-2.1 exists
=2Dmike

Re: [Cracklib-devel] cracklib license
From: Neulinger, Nathan <nneul@um...> - 2007-10-02 01:18
I understand that, and you're welcome to bring it up with Alec directly and see if he wants to relicense his code as LGPL... but at this point, it was enough to just get it consistent and documented as to what it was released under. This wasn't actually a license change, just a clarification of the licensing that was already in place.=20

-- Nathan
=20
------------------------------------------------------------
Nathan Neulinger EMail: nneul@um...
University of Missouri - Rolla Phone: (573) 341-6679
UMR Information Technology Fax: (573) 341-4216

> -----Original Message-----
> From: cracklib-devel-bounces@li...
> [mailto:cracklib-devel-bounces@li...] On Behalf Of
> Mike Frysinger
> Sent: Monday, October 01, 2007 8:15 PM
> To: cracklib-devel@li...
> Subject: [Cracklib-devel] cracklib license
> =20
> looks like 2.8.11 is out and marked as "GPL-2" ... releasing
> libraries under
> GPL-2 is not desirable at all ... this is why the LGPL-2.1 exists
> -mike

Re: [Cracklib-devel] cracklib license
From: Mike Frysinger <vapier@ge...> - 2007-10-02 01:33

Attachments: Message as HTML
On Monday 01 October 2007, Neulinger, Nathan wrote:
> I understand that, and you're welcome to bring it up with Alec directly
> and see if he wants to relicense his code as LGPL... but at this point,
> it was enough to just get it consistent and documented as to what it was
> released under. This wasn't actually a license change, just a
> clarification of the licensing that was already in place.

the original license (before moving to sourceforge -- aka, 2.7) was not=
GPL-2 ... it was a modified artistic license ... i didnt notice the license=
change until it was mentioned in the latest notes.

unlike the old license, GPL-2 prevents people from using cracklib unless th=eir
applications are also GPL-2 which imo is just wrong. it isnt the place of =a
library to dictact to application writes what license they should be using.=
thus LGPL-2.1 enters to fill this void.
=mike

Re: [Cracklib-devel] cracklib license
From: Neulinger, Nathan <nneul@um...> - 2007-10-02 01:46
Seems like the ideal thing here would be for you and the other distro
maintainers to get together with Alec in a conversation and come to a
decision as to what licensing scheme y'all want. I haven't really done
much other than cleaning up the packaging and patches and a small bit of
additional code, so whatever licensing y'all come up with is fine by me.

-- Nathan
=20
--------------------
Nathan Neulinger EMail: nneul@um...
University of Missouri - Rolla Phone: (573) 341-6679
On Monday 01 October 2007, Neulinger, Nathan wrote:
> I understand that, and you're welcome to bring it up with Alec directly
> and see if he wants to relicense his code as LGPL... but at this point,
> it was released under. This wasn't actually a license change, just a clarification of the licensing that was already in place.
> the original license (before moving to sourceforge -- aka, 2.7) was not GPL-2 ... it was a modified artistic license ... i didnt notice the license change until it was mentioned in the latest notes.
> unlike the old license, GPL-2 prevents people from using cracklib unless their applications are also GPL-2 which imo is just wrong. it isnt the place of a library to dictact to application writes what license they should be using.
> thus LGPL-2.1 enters to fill this void.
> -mike

Re: [Cracklib-devel] cracklib license
From: Alec Muffett <alecm@cr...> - 2007-10-02 08:57
> Seems like the ideal thing here would be for you and the other distro maintainers to get together with Alec in a conversation and come to a decision as to what licensing scheme y'all want. I haven't really done much other than cleaning up the packaging and patches and a small bit of additional code, so whatever licensing y'all come up with is fine by me.

I am sympathetic. Guys, what do you reckon?
What I am hearing so far is that LGPL makes sense, since it can be linked with any code, not just GPL...

-a

Re: [Cracklib-devel] cracklib license
From: Devin Reade <gdr@g...> - 2007-10-02 15:04
I would like to see it under LGPL as well. I think it is in everyone's best interests to have as secure systems as possible, and I think tainting it via GPL will just make it less likely that the library gets used, and will not usually cause companies/developers to GPL the dependent code (where it is not already GPL).

I like GPL, I use it when I can, but I don't think that it's the correct license in this situation.

Devin
--
If it's sinful, it's more fun.

Re: [Cracklib-devel] cracklib license
From: Nalin Dahyabhai <nalin@re...> - 2008-01-28 16:32
On Tue, Oct 02, 2007 at 09:57:31AM +0100, Alec Muffett wrote:
> > Seems like the ideal thing here would be for you and the other distro
> > maintainers to get together with Alec in a conversation and come to a
> > decision as to what licensing scheme y'all want. I haven't really done
> > much other than cleaning up the packaging and patches and a small
> > bit of
> > additional code, so whatever licensing y'all come up with is fine
> > by me.
> >
> > I am sympathetic. Guys, what do you reckon?
> >
> > What I am hearing so far is that LGPL makes sense, since it can be
> > linked with any code, not just GPL...

My apologies for not chiming in in anything resembling a reasonable timeframe.

I'd also suggest the LGPL, for the reason you noted above. Alternately, GPLv2 with the option of using the library under a later version of the GPL would permit applications which were released under version 3 of the GPL to use the library, too, which would be sufficient for the packages which are included in Fedora. FWIW, I'd personally lean toward LGPL.
In any case, I thank you both for working on sorting this out.

Cheers,

Nalin

Re: [Cracklib-devel] cracklib license
From: Mike Frysinger <vapier@ge...> - 2008-10-05 21:27

Attachments: Message as HTML

On Monday 28 January 2008, Nalin Dahyabhai wrote:
> On Tue, Oct 02, 2007 at 09:57:31AM +0100, Alec Muffett wrote:
> > > Seems like the ideal thing here would be for you and the other distro  
> > > maintainers to get together with Alec in a conversation and come to a  
> > > decision as to what licensing scheme y'all want. I haven't really done  
> > > much other than cleaning up the packaging and patches and a small  
> > > bit of  
> > > additional code, so whatever licensing y'all come up with is fine  
> > > by me.  
> > >
> > > I am sympathetic. Guys, what do you reckon?  
> > >
> > > What I am hearing so far is that LGPL makes sense, since it can be  
> > > linked with any code, not just GPL...  
> > >
> > > My apologies for not chiming in in anything resembling a reasonable  
> > > timeframe.  
> > >
> > > I'd also suggest the LGPL, for the reason you noted above. Alternately,  
> > > GPLv2 with the option of using the library under a later version of the  
> > > GPL would permit applications which were released under version 3 of the  
> > > GPL to use the library, too, which would be sufficient for the packages  
> > > which are included in Fedora. FWIW, I'd personally lean toward LGPL.  
> > >
> > > In any case, I thank you both for working on sorting this out.
>
> looks like everyone is OK with LGPL-2.1 (GNU Lesser license), so can we make  
> the change now ?  
> -mike

Re: [Cracklib-devel] cracklib license
From: Alec Muffett <alecm@cr...> - 2008-10-05 23:18
>> In any case, I thank you both for working on sorting this out.
>  
> looks like everyone is OK with LGPL-2.1 (GNU Lesser license), so can we make  
> the change now ?
yes. go for it. thanks++

-a

Re: [Cracklib-devel] cracklib license
From: Mike Frysinger <vapier@ge...> - 2008-10-25 22:34

Attachments: Message as HTML
On Sunday 05 October 2008, Alec Muffett wrote:
> >> In any case, I thank you both for working on sorting this out.
> >
> > looks like everyone is OK with LGPL-2.1 (GNU Lesser license), so can we
> > make the change now ?
> >
> yes. go for it. thanks++

Nathan Neulinger is the only one who can actually make said change ...
-mike

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BELOW IS ORIGINAL LICENSING DISCUSSION RE CHANGING TO GPL from Artistic.
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CrackLib was originally licensed with a variant of the Artistic license. In the interests of wider acceptance and more modern licensing, it was switched with the original author's blessing to GPL v2.

This approval was carried out in email discussions in 2005, and has been reconfirmed as of 2007-10-01 with the following email from Alec Muffett.

The below email references nneul@umr.edu address, as that is the address that was used at the time. For any future emails regarding this, please use nneul@neulinger.org.

-------------------------------------
From alecm@crypticide.com Mon Oct  1 12:26:03 2007
Received: from umr-exproto2.cc.umr.edu ([131.151.0.192]) by UMR-CMAIL1.umr.edu with Microsoft SMTPSVC(6.0.3790.3959); Mon, 1 Oct 2007 12:26:03 -0500
Received: from scansrv2.srv.mst.edu ([131.151.1.114]) by umr-exproto2.cc.umr.edu with Microsoft SMTPSVC(6.0.3790.3959);
Mon, 1 Oct 2007 12:26:02 -0500
Received: (qmail 8022 invoked from network); 1 Oct 2007 16:59:55 -0000
Received: from smtp1srv.mst.edu (131.151.1.43)
    by scanin-ipv6.cc.umr.edu with SMTP; 1 Oct 2007 16:59:55 -0000
Received: from spunkymail-mx8.g.dreamhost.com (mx1.spunky.mail.dreamhost.com [208.97.132.47])
    by smtp1srv.mst.edu (8.13.1/8.13.1) with ESMTP id 191Gxptr020623
    for <nneul@umr.edu>; Mon, 1 Oct 2007 11:59:55 -0500
Received: from rutherford.zen.co.uk (rutherford.zen.co.uk [212.23.3.142])
    by spunkymail-mx8.g.dreamhost.com (Postfix) with ESMTP id 2C7734D311
    for <nneul@neulinger.org>; Mon, 1 Oct 2007 09:59:50 -0700 (PDT)
Received: from [82.68.43.14] (helo=[192.168.1.3])
    by rutherford.zen.co.uk with esmtp (Exim 4.50)
id 1IcOcX-0004Qt-6L
    for nneul@neulinger.org; Mon, 01 Oct 2007 16:59:49 +0000
Mime-Version: 1.0 (Apple Message framework v752.2)
In-Reply-To: <1b1b3fd80710010908k11dac0afpf12dd471059ff9a4@mail.gmail.com>
References: <1190922867.3457.147.camel@localhost.localdomain>
    <EC90713277D2BE41B7110CCD74E235CE44F38@UMR-CMAIL1.umr.edu>
    <1b1b3fd80710010908k11dac0afpf12dd471059ff9a4@mail.gmail.com>
    Content-Type: text/plain; charset=US-ASCII; delsp=yes; format=flowed
Message-Id: <117A1264-F6DC-4E25-B0DD-56FBFEBE6E9F@crypticide.com>
Content-Transfer-Encoding: 7bit
From: Alec Muffett <alecm@crypticide.com>
Subject: Re: cracklib license
Date: Mon, 1 Oct 2007 17:59:46 +0100
To: Nathan Neulinger <nneul@neulinger.org>
X-Mailer: Apple Mail (2.752.2)
X-Originating-Rutherford-IP: [82.68.43.14]
Return-Path: alecm@crypticide.com
X-OriginalArrivalTime: 01 Oct 2007 17:26:03.0008 (UTC) FILETIME=[2420C000:01C80450]
Status: RO
Content-Length: 585
Lines: 21

> > ---------- Forwarded message ---------
> > From: Neulinger, Nathan <nneul@umr.edu>
> > Date: Sep 27, 2007 2:58 PM
> > Subject: RE: cracklib license
> > To: alecm@crypto.dircon.co.uk
> > > Any chance you could write me a self-contained email stating clearly
> > that the license is being changed to GPL, so I could include that
> > email
> > in the repository and clean up the repository/tarballs? I have all the
> > original discussion, but something succinct and self contained
> > would be
> > ideal.
The license for my code in the Cracklib distribution is henceforth GPL.

Happy now? :-) 

-a

#!/usr/bin/python
# Copyright 2009, 2012 Jan Dittberner <jan@dittberner.info>
#
# This file is part of cracklib.
#
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# Inc., 59 Temple Place, Suite 330, Boston, MA 02111-1307 USA

1.35 createrepo 0.4.11

1.35.1 Available under license :

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Version 2.1, February 1999

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[This is the first released version of the Lesser GPL. It also counts
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1.36 cronie 1.4.11 :13.el7

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1.38 cryptsetup 1.6.6 :3.el7

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

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yassl  http://www.yassl.com/

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c-ares  http://daniel.haxx.se/projects/c-ares/license.html

(Used for asynchronous name resolves) Uses an MIT license that is very liberal and imposes no restrictions on any other library or part you may link with.

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krb4

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1.41 curlcpp 1.0

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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.

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

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

  Author: Julio Merino <jmmv84@gmail.com>

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

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<signature of Ty Coon>, 1 April 1989
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Index: tdba/tdb.c
===================================================================
--- tdba.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 - private includes
- Copyright (C) Andrew Tridgell 2005
+ trivial database library - standalone version
+ Copyright (C) Andrew Tridgell 1999-2005
+ Copyright (C) Jeremy Allison 2000-2006
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** library. This does NOT imply that all of Samba is released
#
# 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) $(OBJS))
$(MV) pic/$(BSD_LIB) .
$(RM) -f ../$(BSD_LIB)
(cd ..; $(LN) $(LINK_BUILD_FLAGS) \
 `echo $(my_dir) | sed -e 's;lib/;;'`/$(BSD_LIB) $(BSD_LIB))
install-shlibs install:: $(BSD_LIB)
@echo "INSTALL_PROGRAM $(BSDLIB_INSTALL_DIR)/$(BSD_LIB)"
@$(INSTALL_PROGRAM) $(BSD_LIB) \
$(DESTDIR)$(BSDLIB_INSTALL_DIR)/$(BSD_LIB)
@-$(LDCONFIG)
install-strip: install
install-shlibs-strip: install-shlibs
uninstall-shlibs uninstall::
$(RM) -f $(DESTDIR)$(BSDLIB_INSTALL_DIR)/$(BSD_LIB)
clean::
$(RM) -rf pic
$(RM) -f $(BSD_LIB)
$(RM) -f ../$(BSD_LIB)
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DAMAGE.
#!/bin/sh
find . -type f \! -name \*~ \! -exec grep -q Begin-Header \{\} \; -print \
| grep -v ^./build
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

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738


otherwise packaged as "e2fsprogs".

This package was put together by Yann Dirson <dirson@debian.org>, from sources obtained from a mirror of:
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739
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Theodore Ts'o
23-June-2007

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Ty Coon, President of Vice

That's all there is to it!

1.52 e2fsprogs 1.42.9 :7.el7

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# This is a Makefile stub which handles the creation of BSD shared libraries.
# In order to use this stub, the following makefile variables must be defined.

# BSDLIB_VERSION = 1.0
# BSDLIB_IMAGE = libce
# BSDLIB_MYDIR = et
# BSDLIB_INSTALL_DIR = $(SHLIBDIR)

all:: image

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

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

image:$(BSD_LIB)

$(BSD_LIB): $(OBJS)

(cd pic; ld -Bshareable -o $(BSD_LIB) $(LDFLAGS) $(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)"

Open Source Used In Cisco Nexus 9000 Series 7.0(3)I2(5)
The code snippet provided seems to be part of a software build script, possibly for a project related to the Unix SMB/CIFS implementation. The script includes commands for building and installing shared libraries, as well as managing files and directories. The code also contains a header file with the name `tdbsa/tdb.c`, which appears to be a part of the SMB/CIFS implementation.

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The file `tdbsa/tdb.c` is last changed on June 6, 2007, with the copyright being held by Andrew Tridgell and Jeremy Allison. The library is designed for the Unix SMB/CIFS implementation and is available under the GPL license.

---

The source code is structured logically, with commands for removing specific directories and files, ensuring a clean and organized build process.

---

Additional notes include:

- The `find` command is used to search for files that match certain criteria, excluding files with names ending in `~`.
- The Ext2ed project is noted to be placed under the terms of the GNU General Public License.

---

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---

Gadi Oxman, August 1995
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It is part of the main e2fsprogs distribution, which can be found at:

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1.54 eglibc 2.15 :r21

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Preamble
========

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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.

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

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

The precise terms and conditions for copying, distribution and modification follow. Pay close attention to the difference between a "work based on the library" and a "work that uses the library". The former contains code derived from the library, while the latter only works together with the library.

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

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In 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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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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874
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1.64 findutils 4.5.11 :3.el7

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1.66 fipscheck 1.4.1 :5.el7

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1.67 flex 2.5.35 :r3

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1.70 gawk 4.0.0 :r1

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

In addition, mere aggregation of another work not based on the Library with the Library (or with a work based on the Library) on a volume of a storage or distribution medium does not bring the other work under the scope of this License.
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Once this change is made in a given copy, it is irreversible for that copy, so the ordinary GNU General Public License applies to all subsequent copies and derivative works made from that copy.

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

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

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

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

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

When a "work that uses the Library" uses material from a header file that is part of the Library, the object code for the work may be a derivative work of the Library even though the source code is not. Whether this is true is especially significant if the work can be linked without the Library, or if the work is itself a library. The threshold for this to be true is not precisely defined by law.
If such an object file uses only numerical parameters, data structure layouts and accessors, and small macros and small inline functions (ten lines or less in length), then the use of the object file is unrestricted, regardless of whether it is legally a derivative work. (Executables containing this object code plus portions of the Library will still fall under Section 6.)

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

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

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

c) If distribution of the work is made by offering access to copy from a designated place, offer equivalent access to copy the above specified materials from the same place.
d) Verify that the user has already received a copy of these materials or that you have already sent this user a copy.

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

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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Ty Coon, President of Vice

That's all there is to it!
1.72 gcc 4.8.3 :9.el7

1.72.1 Available under license:

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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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   b) You must cause the files modified to carry prominent notices stating that you changed the files and the date of any change.

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   (For example, a function in a library to compute square roots has a purpose that is entirely well-defined independent of the application. Therefore, Subsection 2d requires that any application-supplied function or table used by this function must be optional: if the application does not supply it, the square root function must still compute square roots.)
These requirements apply to the modified work as a whole. If identifiable sections of that work are not derived from the Library, and can be reasonably considered independent and separate works in themselves, then this License, and its terms, do not apply to those sections when you distribute them as separate works. But when you distribute the same sections as part of a whole which is a work based on the Library, the distribution of the whole must be on the terms of this License, whose permissions for other licensees extend to the entire whole, and thus to each and every part regardless of who wrote it.

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

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

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

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

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

If distribution of object code is made by offering access to copy from a designated place, then offering equivalent access to copy the source code from the same place satisfies the requirement to
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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.

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

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

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

6. As an exception to the Sections above, you may also 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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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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# 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
     __fixtdi
     __fixtfsi
     __fixtffi
     __fixunstfdi
     __fixunstfsi
     __fixunstffi
}
GCC_4.6.0 {  
  __addtf3  
  %ifndef __x86_64__  
  __copysigntf3  
  %endif  
  __divtc3  
  __divtf3  
  __eqtf2  
  __extaddtf2  
  __extendsstf2  
  __extendxstf2  
  %ifndef __x86_64__  
  __fabstf2  
  %endif  
  __fixtfdi  
  __fixtfsi  
  %ifdef __x86_64__  
  __fixtfti  
  %endif  
  __fixunstfdi  
  __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__powitf2
__subtf3
__trunctfdf2
__trunctfsf2
__trunctxf2
__unordtf2
}

GCC_4.8.0 {
__cpu_model
__cpu_indicator_init
}

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

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

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

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

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

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

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

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

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

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

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

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

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Random Hacker.

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

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OF THIS SOFTWARE, EVEN IF ADVISED OF THE POSSIBILITY OF SUCH DAMAGE.

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 Petersen(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 (bdce@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 Detlesf(detlesf@src.dec.com) also provided several generic bug fixes.
Alistair G. Crooks(agt@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.)

GCC RUNTIME LIBRARY EXCEPTION

Version 3.1, 31 March 2009

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When you use GCC to compile a program, GCC may combine portions of certain GCC header files and runtime libraries with the compiled program. The purpose of this Exception is to allow compilation of non-GPL (including proprietary) programs to use, in this way, the header files and runtime libraries covered by this Exception.

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A file is an "Independent Module" if it either requires the Runtime Library for execution after a Compilation Process, or makes use of an interface provided by the Runtime Library, but is not otherwise based on the Runtime Library.

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"Target Code" refers to output from any compiler for a real or virtual target processor architecture, in executable form or suitable for input to an assembler, loader, linker and/or execution phase. Notwithstanding that, Target Code does not include data in any format that is used as a compiler intermediate representation, or used for producing a compiler intermediate representation.

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A Compilation Process is "Eligible" if it is done using GCC, alone or
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The availability of this Exception does not imply any general presumption that third-party software is unaffected by the copyleft requirements of the license of GCC.

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@appendixsubsec Preamble

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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.

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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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- 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
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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
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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
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Verify that the user has already received a copy of these
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reproducing the executable from it. However, as a special exception,
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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
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* m4/ax_func__which_gethostbyname_r.m4

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GCC RUNTIME LIBRARY EXCEPTION

Version 3.1, 31 March 2009

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a textual and legal sense, the linked executable is a combined work, a
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Because of this blurred distinction, using the ordinary General
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concluded that weaker conditions might promote sharing better.

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changes in the actual functions of the Library.) The hope is that this
will lead to faster development of free libraries.

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

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

Thus, it is not the intent of this section to claim rights or contest your rights to work written entirely by you; rather, the intent is to exercise the right to control the distribution of derivative or collective works based on the Library.
In addition, mere aggregation of another work not based on the Library with the Library (or with a work based on the Library) on a volume of a storage or distribution medium does not bring the other work under the scope of this License.

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

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

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

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

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

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

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

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

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

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

6. As an exception to the Sections above, you may also compile or
link a “work that uses the Library” with the Library to produce a
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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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during execution displays copyright notices, you must include the
copyright notice for the Library among them, as well as a reference
directing the user to the copy of this License. Also, you must do one
of these things:

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

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

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

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

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

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

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

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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 and installation of the library.

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

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

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

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

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

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

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

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

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Version 3, 29 June 2007

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1.114 Jettison 1.3.5

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1.115 json 20140107

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1.116 json-c 0.11 :4.el7_0
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1.117 json-io 2.6.0

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

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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.

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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.

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.

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
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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
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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
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to use the modified definitions.)

b) Accompany the work with a written offer, valid for at
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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
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specified materials from the same place.

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

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

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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.

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

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Public License instead of this License.
1.124 keyutils 1.5.8 :3.el7

1.124.1 Available under license:

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Version 2, June 1991

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END OF TERMS AND CONDITIONS

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<one line to give the program's name and a brief idea of what it does.>
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Ty Coon, President of Vice

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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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"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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interface definition files, plus the scripts used to control compilation 
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its purpose remains meaningful.

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

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directing the user to the copy of this License. Also, you must do one
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machine-readable source code for the Library including whatever
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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
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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
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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,
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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
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use both them and the Library together in an executable that you distribute.

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   b) Give prominent notice with the combined library of the fact that part of it is a work based on the Library, and explaining where to find the accompanying uncombined form of the same work.

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cmd/krb5/kadmin/server/ipropd_svc.c
cmd/krb5/kproplog/kproplog.c
cmd/krb5/slave/kpropd_rpc.c
lib/gss_mechs/mech_krb5/et/kdb5_err.c
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lib/krb5/kadm5/kadm_host_srv_names.c
lib/krb5/kdb/kdb_convert.c
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lib/libgss/g_store_cred.c
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lib/libgss/g_utils.c
lib/libgss/gssd_pname_to_uid.c
uts/common/gssapi/include/gssapi_err_generic.h
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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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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 (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.mti.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@jsd.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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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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@enumerate a
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@end iftex
@end info
@end page
@end appendixsubsec

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@var{signature of Ty Coon}, 1 April 1990
Ty Coon, President of Vice
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That's all there is to it!

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Version 3, 29 June 2007

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

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

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.)

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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.

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

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^L

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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GCC RUNTIME LIBRARY EXCEPTION

Version 3.1, 31 March 2009

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}@example

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

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@smallexample
@var{program} Copyright (C) @var{year} @var{name of author}
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@ignore
@c Set file name and title for man page.
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gfdl(7), fsf-funding(7).
@c man end
@c man begin COPYRIGHT
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@c man end
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@node Copying
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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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"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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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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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.

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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.

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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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 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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Some devices are designed to deny users access to install or run
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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.

TERMS AND CONDITIONS

0. Definitions.

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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.


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

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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.

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2572
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1.156 libpcap 1.2.1 :r1.0

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1.160 libsemanage 2.1.10 :16.el7

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1.162 libsm 1.2.1 :r0

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

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Version 2.1, February 1999

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That's all there is to it!

1.172 libusb1 1.0.8 :r5
1.172.1 Available under license :

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

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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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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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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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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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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
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1.176 libx11 1.4.4 :r2

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1.177 libxau 1.0.7 :r0

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1.178 libxcb 1.8.1 :r0

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1.179 libxdmcp 1.1.1 :r0

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1.180 libxml2 2.9.1 :6.el7_2.2

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1.181 libxml2 2.7.8 :r8.8

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1.182 linux-libc-headers 3.1 :r0

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The following individuals contributed in part to the Network Time Protocol Distribution Version 4 and are acknowledged as authors of this work.

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  *
  * $FreeBSD: src/tools/tools/crypto/cryptotest.c,v 1.9 2007/03/21 03:42:51 sam Exp$
  */
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* version: Security.L.1.0.2-229
*
***************************************************************************/
/*$OpenBSD: hifn7751.c,v 1.120 2002/05/17 00:33:34 deraadt Exp $*/

/* Invertex AEON / Hifn 7751 driver
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*
__FBSDID("$FreeBSD: src/sys/dev/hifn/hifn7751.c,v 1.40 2007/03/21 03:42:49 sam Exp "$");
*/
/*
* An OCF module that uses Intels IXP CryptACC API to do the crypto.
* This driver requires the IXP400 Access Library that is available
* from Intel in order to operate (or compile).
*
* Written by David McCullough <david_mccullough@mcafee.com>
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#include <linux/version.h>
#if LINUX_VERSION_CODE < KERNEL_VERSION(2,6,38) && !defined(AUTOCONF_INCLUDED)
#include <linux/config.h>
#endif
#include <linux/module.h>
#include <linux/init.h>
#include <linux/list.h>
#include <linux/slab.h>
#include <linux/sched.h>
#include <linux/wait.h>
#include <linux/crypto.h>
#include <linux/interrupt.h>
#include <asm/scatterlist.h>
#include <IxTypes.h>
#include <IxOsBuffMgt.h>
#include <IxNpeDl.h>
#include <IxCryptoAcc.h>
#include <IxQMgr.h>
#include <IxOsServices.h>
#include <IxOsCacheMMU.h>

#include <cryptodev.h>
#include <uio.h>

#ifndef IX_MBUF_PRIV
#define IX_MBUF_PRIV(x) ((x)->priv)
#endif

struct ixp_data;

struct ixp_q {
    struct list_head ixp_q_list;
    struct ixp_data* ixp_q_data;
    struct cryptop* ixp_q_crp;
    struct cryptodesc* ixp_q_ccrd;
    struct cryptodesc* ixp_q_acrd;
    IX_MBUF ixp_q_mbuf;
    UINT8* ixp_hash_dest; /* Location for hash in client buffer */
    UINT8* ixp_hash_src; /* Location of hash in internal buffer */
    unsigned char ixp_q_iv_data[IX_CRYPTO_ACC_MAX_CIPHER_IV_LENGTH];
    unsigned char* ixp_q_iv;
};

struct ixp_data {
    int ixp_registered;/* is the context registered */
    int ixp_crd_flags;/* detect direction changes */

    int ixp_cipher_alg;
    int ixp_auth_alg;

    UNT32 ixp_ctx_id;
    UNT32 ixp_hash_key_id;/* used when hashing */
IxCryptoAccCtx  ixp_ctx;
IX_MBUF  ixp_pri_mbuf;
IX_MBUF  ixp_sec_mbuf;

struct work_struct  ixp_pending_work;
struct work_struct  ixp_registration_work;
struct list_head ixp_q;/* unprocessed requests */
};

#ifdef __ixp46X
#define  MAX_IOP_SIZE 64;/* words */
#define  MAX_OOP_SIZE 128
#define  MAX_PARAMS3

struct ixp_pkq {
struct list_head pkq_list;
struct cryptkop*pkq_krp;
IxCryptoAccPkeEauInOperands pkq_op;
IxCryptoAccPkeEauOpResult pkq_result;
UINT32  pkq_ibuf0[MAX_IOP_SIZE];
UINT32  pkq_ibuf1[MAX_IOP_SIZE];
UINT32  pkq_ibuf2[MAX_IOP_SIZE];
UINT32  pkq_obuf[MAX_OOP_SIZE];
};

static LIST_HEAD(ixp_pkq); /* current PK wait list */
static struct ixp_pkq *ixp_pk_cur;
static spinlock_t ixp_pkq_lock;
#endif /* __ixp46X */

static int ixp_blocked = 0;

static int32_t ixp_id = -1;
static struct ixp_data **ixp_sessions = NULL;
static u_int32_t ixp_sesnum = 0;

static int ixp_process(device_t, struct cryptop *, int);
static int ixp_newsession(device_t, u_int32_t *, struct cryptoini *);
static int ixp_freesession(device_t, u_int64_t);
#ifdef __ixp46X
static int ixp_kprocess(device_t, struct cryptkop *krp, int hint);
#endif
#if LINUX_VERSION_CODE < KERNEL_VERSION(2,6,20)
static kmem_cache_t *qcache;
#else
static struct kmem_cache *qcache;
#endif

#define debug ixp_debug
static int ixp_debug = 0;
module_param(ixp_debug, int, 0644);
MODULE_PARM_DESC(ixp_debug, "Enable debug");

static int ixp_init_crypto = 1;
module_param(ixp_init_crypto, int, 0444); /* RO after load/boot */
MODULE_PARM_DESC(ixp_init_crypto, "Call ixCryptoAccInit (default is 1)");

static void ixp_processPending(void *arg);
static void ixp_registration(void *arg);
#if LINUX_VERSION_CODE >= KERNEL_VERSION(2,6,20)
static void ixp_processPending_wq(struct work_struct *work);
static void ixp_registration_wq(struct work_struct *work);
#endif

/*
 * dummy device structure
 */

static struct {
  softc_device_desc dev;
} ixpdev;

static device_method_t ixp_methods = {
  /* crypto device methods */
  DEVMETHOD(cryptodev_newsession,_ixp_newsession),
  DEVMETHOD(cryptodev_freesession, ixp_freesession),
  DEVMETHOD(cryptodev_process, ixp_process),
  #ifdef __ixp46X
  DEVMETHOD(cryptodev_kprocess, ixp_kprocess),
  #endif
};

/*
 * Generate a new software session.
 */
static int
ixp_newsession(device_t dev, u_int32_t *sid, struct cryptoini *cri)
{
  struct ixp_data *ixp;
  u_int32_t i;

#define AUTH_LEN(cri, def) 
(cri->cri_mlen ? cri->cri_mlen : (def))

dprintf("%s():alg %d\n", __FUNCTION__, cri->cri_alg);
if (sid == NULL || cri == NULL) {
    dprintf("%s,%d - EINVAL\n", __FILE__, __LINE__);
    return EINVAL;
}

if (ixp_sessions) {
    for (i = 1; i < ixp_sesnum; i++)
        if (ixp_sessions[i] == NULL)
            break;
    } else
        i = 1;  /* NB: to silence compiler warning */

if (ixp_sessions == NULL || i == ixp_sesnum) {
    struct ixp_data **ixpd;

    if (ixp_sessions == NULL) {
        i = 1;  /* We leave ixp_sessions[0] empty */
        ixp_sesnum = CRYPTO_SW_SESSIONS;
    } else
        ixp_sesnum *= 2;

    ixpd = kmalloc(ixp_sesnum * sizeof(struct ixp_data *), SLAB_ATOMIC);
    if (ixpd == NULL) {
        /* Reset session number */
        if (ixp_sesnum == CRYPTO_SW_SESSIONS)
            ixp_sesnum = 0;
        else
            ixp_sesnum /= 2;
        dprintf("%s,%d: ENOBUFS\n", __FILE__, __LINE__);
        return ENOBUFS;
    }
    memset(ixpd, 0, ixp_sesnum * sizeof(struct ixp_data *));

    /* Copy existing sessions */
    if (ixp_sessions) {
        memcpy(ixpd, ixp_sessions,
            (ixp_sesnum / 2) * sizeof(struct ixp_data *));
        kfree(ixp_sessions);
    }

    ixp_sessions = ixpd;
}

ixp_sessions[i] = (struct ixp_data *) kmalloc(sizeof(struct ixp_data),
SLAB_ATOMIC);
if (ixp_sessions[i] == NULL) {
    ixp_freesession(NULL, i);
    dprintk("%s,%d: EINVAL\n", __FILE__, __LINE__);
    return ENOBUFS;
}

*sid = i;

ixp = ixp_sessions[i];
memset(ixp, 0, sizeof(*ixp));

ixp->ixp_cipher_alg = -1;
ixp->ixp_auth_alg = -1;
ixp->ixp_ctx_id = -1;
INIT_LIST_HEAD(&ixp->ixp_q);

ixp->ixp_ctx.useDifferentSrcAndDestMbufs = 0;

while (cri) {
    switch (cri->cri_alg) {
    case CRYPTO_DES_CBC:
        ixp->ixp_cipher_alg = cri->cri_alg;
        ixp->ixp_ctx.cipherCtx.cipherAlgo = IX_CRYPTO_ACC_CIPHER_DES;
        ixp->ixp_ctx.cipherCtx.cipherMode = IX_CRYPTO_ACC_MODE_CBC;
        ixp->ixp_ctx.cipherCtx.cipherKeyLen = (cri->cri_klen + 7) / 8;
        ixp->ixp_ctx.cipherCtx.cipherBlockLen = IX_CRYPTO_ACC_DES_BLOCK_64;
        ixp->ixp_ctx.cipherCtx.cipherInitialVectorLen =
            IX_CRYPTO_ACC_DES_IV_64;
        memcpy(ixp->ixp_ctx.cipherCtx.key.cipherKey,
               cri->cri_key, (cri->cri_klen + 7) / 8);
        break;
    case CRYPTO_3DES_CBC:
        ixp->ixp_cipher_alg = cri->cri_alg;
        ixp->ixp_ctx.cipherCtx.cipherAlgo = IX_CRYPTO_ACC_CIPHER_3DES;
        ixp->ixp_ctx.cipherCtx.cipherMode = IX_CRYPTO_ACC_MODE_CBC;
        ixp->ixp_ctx.cipherCtx.cipherKeyLen = (cri->cri_klen + 7) / 8;
        ixp->ixp_ctx.cipherCtx.cipherBlockLen = IX_CRYPTO_ACC_DES_BLOCK_64;
        ixp->ixp_ctx.cipherCtx.cipherInitialVectorLen =
            IX_CRYPTO_ACC_DES_IV_64;
        memcpy(ixp->ixp_ctx.cipherCtx.key.cipherKey,
               cri->cri_key, (cri->cri_klen + 7) / 8);
        break;
    case CRYPTO_RIJNDAEL128_CBC:
        ixp->ixp_cipher_alg = cri->cri_alg;
        ixp->ixp_ctx.cipherCtx.cipherAlgo = IX_CRYPTO_ACC_CIPHER_AES;
ixp->ixp_ctx.cipherCtx.cipherMode = IX_CRYPTO_ACC_MODE_CBC;
ixp->ixp_ctx.cipherCtx.cipherKeyLen = (cri->cri_klen + 7) / 8;
ixp->ixp_ctx.cipherCtx.cipherBlockLen = 16;
ixp->ixp_ctx.cipherCtx.cipherInitialVectorLen = 16;
memcpy(ixp->ixp_ctx.cipherCtx.key.cipherKey,
cri->cri_key, (cri->cri_klen + 7) / 8);
beg;

case CRYPTO_MD5:
case CRYPTO_MD5_HMAC:
ixp->ixp_auth_alg = cri->cri_alg;
ixp->ixp_ctx.authCtx.authAlgo = IX_CRYPTO_ACC_AUTH_MD5;
ixp->ixp_ctx.authCtx.authDigestLen = AUTH_LEN(cri, MD5_HASH_LEN);
ixp->ixp_ctx.authCtx.aadLen = 0;
/* Only MD5_HMAC needs a key */
if (cri->cri_alg == CRYPTO_MD5_HMAC) {
ixp->ixp_ctx.authCtx.authKeyLen = (cri->cri_klen + 7) / 8;
if (ixp->ixp_ctx.authCtx.authKeyLen >
sizeof(ixp->ixp_ctx.authCtx.key.authKey)) {
    printk("ixp4xx: Invalid key length for MD5_HMAC - %d bits\n",
cri->cri_klen);
    ixp_freesession(NULL, i);
    return EINVAL;
}
memcpy(ixp->ixp_ctx.authCtx.key.authKey,
cri->cri_key, (cri->cri_klen + 7) / 8);
}
break;

case CRYPTO_SHA1:
case CRYPTO_SHA1_HMAC:
ixp->ixp_auth_alg = cri->cri_alg;
ixp->ixp_ctx.authCtx.authAlgo = IX_CRYPTO_ACC_AUTH_SHA1;
ixp->ixp_ctx.authCtx.authDigestLen = AUTH_LEN(cri, SHA1_HASH_LEN);
ixp->ixp_ctx.authCtx.aadLen = 0;
/* Only SHA1_HMAC needs a key */
if (cri->cri_alg == CRYPTO_SHA1_HMAC) {
ixp->ixp_ctx.authCtx.authKeyLen = (cri->cri_klen + 7) / 8;
if (ixp->ixp_ctx.authCtx.authKeyLen >
sizeof(ixp->ixp_ctx.authCtx.key.authKey)) {
    printk("ixp4xx: Invalid key length for SHA1_HMAC - %d bits\n",
cri->cri_klen);
    ixp_freesession(NULL, i);
    return EINVAL;
}
memcpy(ixp->ixp_ctx.authCtx.key.authKey,
cri->cri_key, (cri->cri_klen + 7) / 8);
}
break;

default:
    printk("ixp: unknown algo 0x%llx\n", cri->cri_alg);
    ixp_freesession(NULL, i);
    return EINVAL;
}
cri = cri->cri_next;

#endif

/*
 * Free a session.
 */
static int
ixp_freesession(device_t dev, u_int64_t tid)
{
    u_int32_t sid = CRYPTO_SESID2LID(tid);

dprintf("%s()\n", __FUNCTION__);
    if (sid > ixp_sesnum || ixp_sessions == NULL ||
        ixp_sessions[sid] == NULL) {
        dprintf("%s,%d: EINVAL\n", __FILE__, __LINE__);
        return EINVAL;
    }
    /* Silently accept and return */
    if (sid == 0)
        return 0;
    if (ixp_sessions[sid]) {
        if (ixp_sessions[sid]->ixp_ctx_id != -1) {
            ixCryptoAccCtxUnregister(ixp_sessions[sid]->ixp_ctx_id);
            ixp_sessions[sid]->ixp_ctx_id = -1;
        }

#if LINUX_VERSION_CODE >= KERNEL_VERSION(2,6,20)
    INIT_WORK(&ixp->ixp_pending_work, ixp_process_pending_wq);
    INIT_WORK(&ixp->ixp_registration_work, ixp_registration_wq);
#else
    INIT_WORK(&ixp->ixp_pending_work, ixp_process_pending, ixp);
    INIT_WORK(&ixp->ixp_registration_work, ixp_registration, ixp);
#endif

    return 0;
}
kfree(ixp_sessions[sid]);
}
ixp_sessions[sid] = NULL;
if (ixp_blocked) {
ixp_blocked = 0;
crypto_unblock(ixp_id, CRYPTO_SYMQ);
}
return 0;

/*
 * callback for when hash processing is complete
 */

static void
ixp_hash_perform_cb(
UINT32 hash_key_id,
IX_MBUF *bufp,
IXCryptoAccStatus status)
{
struct ixp_q *q;

dprintk("%s(%u, %p, 0x%x)\n", __FUNCTION__, hash_key_id, bufp, status);

if (bufp == NULL) {
printk("ixp: NULL buf in %s\n", __FUNCTION__); return;
}

q = IX_MBUF_PRIV(bufp);
if (q == NULL) {
printk("ixp: NULL priv in %s\n", __FUNCTION__); return;
}

if (status == IX_CRYPTO_ACC_STATUS_SUCCESS) {
/* On success, need to copy hash back into original client buffer */
memcpy(q->ixp_hash_dest, q->ixp_hash_src,
(q->ixp_q_data->ixp_auth_alg == CRYPTO_SHA1) ? SHA1_HASH_LEN : MD5_HASH_LEN);
}
else {
printk("ixp: hash perform failed status=%d\n", status);
q->ixp_q_crp->crp_etype = EINVAL;
}

/* Free internal buffer used for hashing */
kfree(IX_MBUF_MDATA(&q->ixp_q_mbuf));

crypto_done(q->ixp_q_crp);
kmem_cache_free(qcache, q);
}

/* * setup a request and perform it */
static void
ixp_q_process(struct ixp_q *q)
{
IxCryptoAccStatus status;
struct ixp_data *ixp = q->ixp_q_data;
int auth_off = 0;
int auth_len = 0;
int crypt_off = 0;
int crypt_len = 0;
int icv_off = 0;
char *crypt_func;

dprintk("%s(%p)\n", __FUNCTION__, q);

if (q->ixp_q_ccrd) {
if (q->ixp_q_ccrd->crd_flags & CRD_F_ENCRYPT) {
if (q->ixp_q_ccrd->crd_flags & CRD_F_IV_EXPLICIT) {
q->ixp_q_iv = q->ixp_q_ccrd->crd_iv;
} else {
q->ixp_q_iv = q->ixp_q_iv_data;
read_random(q->ixp_q_iv, ixp->ixp_ctx.cipherCtx.cipherInitialVectorLen);
}
} else {
if (q->ixp_q_ccrd->crd_flags & CRD_F_IV_EXPLICIT)
q->ixp_q_iv = q->ixp_q_ccrd->crd_iv;
else {
q->ixp_q_iv = q->ixp_q_iv_data;
crypto_copyback(q->ixp_q_crp->crp_flags, q->ixp_q_crp->crp_buf, q->ixp_q_ccrd->crd_inject, ixp->ixp_ctx.cipherCtx.cipherInitialVectorLen, (caddr_t) q->ixp_q_iv);
} else {
if (q->ixp_q_ccrd->crd_flags & CRD_F_IV_EXPLICIT)
q->ixp_q_iv = q->ixp_q_ccrd->crd_iv;
else {
q->ixp_q_iv = q->ixp_q_iv_data;
crypto_copydata(q->ixp_q_crp->crp_flags, q->ixp_q_crp->crp_buf, q->ixp_q_ccrd->crd_inject, ixp->ixp_ctx.cipherCtx.cipherInitialVectorLen, (caddr_t) q->ixp_q_iv);
} }
}
if (q->ixp_q_acrd) {
    auth_off = q->ixp_q_acrd->crd_skip;
    auth_len = q->ixp_q_acrd->crd_len;
    icv_off  = q->ixp_q_acrd->crd_inject;
}

crypt_off = q->ixp_q_ccrd->crd_skip;
crypt_len = q->ixp_q_ccrd->crd_len;
} else { /* if (q->ixp_q_acrd) */
    auth_off = q->ixp_q_acrd->crd_skip;
    auth_len = q->ixp_q_acrd->crd_len;
    icv_off  = q->ixp_q_acrd->crd_inject;
}

if (q->ixp_q_crp->crp_flags & CRYPTO_F_SKBUF) {
    struct sk_buff *skb = (struct sk_buff *) q->ixp_q_crp->crp_buf;
    if (skb_shinfo(skb)->nr_frags) {
        /*
         * DAVIDM fix this limitation one day by using
         * a buffer pool and chaining, it is not currently
         * needed for current user/kernel space acceleration
         */
        printk("ixp: Cannot handle fragmented skb's yet !\n");
        q->ixp_q_crp->crp_etype = ENOENT;
        goto done;
    }
    IX_MBUF_MLEN(&q->ixp_q_mbuf) =
    IX_MBUF_PKT_LEN(&q->ixp_q_mbuf) = skb->len;
    IX_MBUF_MDATA(&q->ixp_q_mbuf) = skb->data;
} else if (q->ixp_q_crp->crp_flags & CRYPTO_F_IOV) {
    struct uio *uiop = (struct uio *) q->ixp_q_crp->crp_buf;
    if (uiop->uio_iovcnt != 1) {
        /*
         * DAVIDM fix this limitation one day by using
         * a buffer pool and chaining, it is not currently
         * needed for current user/kernel space acceleration
         */
        printk("ixp: Cannot handle more than 1 iovec yet !\n");
        q->ixp_q_crp->crp_etype = ENOENT;
        goto done;
    }
    IX_MBUF_MLEN(&q->ixp_q_mbuf) =
    IX_MBUF_PKT_LEN(&q->ixp_q_mbuf) = uiop->uio iov[0].iov_len;
    IX_MBUF_MDATA(&q->ixp_q_mbuf) = uiop->uio iov[0].iov_base;
} else /* contig buffer */{
    IX_MBUF_MLEN(&q->ixp_q_mbuf) =
    IX_MBUF_PKT_LEN(&q->ixp_q_mbuf) = q->ixp_q_crp->crp ilen;
    IX_MBUF_MDATA(&q->ixp_q_mbuf) = q->ixp_q_crp->crp buf;
if (ixp->ixp_auth_alg == CRYPTO_SHA1 || ixp->ixp_auth_alg == CRYPTO_MD5) {
    /*
     * For SHA1 and MD5 hash, need to create an internal buffer that is big
     * enough to hold the original data + the appropriate padding for the
     * hash algorithm.
     */
    UINT8 *tbuf = NULL;
    IX_MBUF_MLEN(&q->ixp_q_mbuf) = IX_MBUF_PKT_LEN(&q->ixp_q_mbuf) =
    ((IX_MBUF_MLEN(&q->ixp_q_mbuf) * 8) + 72 + 511) / 8;
    tbuf = kmalloc(IX_MBUF_MLEN(&q->ixp_q_mbuf), SLAB_ATOMIC);
    if (IX_MBUF_MDATA(&q->ixp_q_mbuf) == NULL) {
        printk("ixp: kmalloc(%u, SLAB_ATOMIC) failed\n",
               IX_MBUF_MLEN(&q->ixp_q_mbuf));
        q->ixp_q_crp->crp_etype = ENOMEM;
        goto done;
    }
    memcpy(tbuf, &(IX_MBUF_MDATA(&q->ixp_q_mbuf))[auth_off], auth_len);
    /* Set location in client buffer to copy hash into */
    q->ixp_hash_dest =
    &(IX_MBUF_MDATA(&q->ixp_q_mbuf))[auth_off + auth_len];
    IX_MBUF_MDATA(&q->ixp_q_mbuf) = tbuf;
    /* Set location in internal buffer for where hash starts */
    q->ixp_hash_src =
    &(IX_MBUF_MDATA(&q->ixp_q_mbuf))[auth_len];
    crypt_func = "ixCryptoAccHashPerform";
    status = ixCryptoAccHashPerform(ixp->ixp_ctx.authCtx.authAlgo,
        &q->ixp_q_mbuf, ixp_hash_perform_cb, 0, auth_len, auth_len,
        &ixp->ixp_hash_key_id);
} else {
    crypt_func = "ixCryptoAccAuthCryptPerform";
    status = ixCryptoAccAuthCryptPerform(ixp->ixp_ctx_id, &q->ixp_q_mbuf,
        NULL, auth_off, auth_len, crypt_off, crypt_len, icv_off,
        q->ixp_q_iv);
}
if (IX_CRYPTO_ACC_STATUS_SUCCESS == status)
    return;
if (IX_CRYPTO_ACC_STATUS_QUEUE_FULL == status) {
    q->ixp_q_crp->crp_etype = ENOMEM;
    goto done;
}

printk("ixp: %s failed %u\n", crypt_func, status);
q->ixp_q_crp->crp_etype = EINVAL;

done:
crypto_done(q->ixp_q_crp);
kmem_cache_free(qcache, q);
}

/*
 * because we cannot process the Q from the Register callback
 * we do it here on a task Q.
 */

static void
ixp_process_pending(void *arg)
{
    struct ixp_data *ixp = arg;
    struct ixp_q *q = NULL;

    dprintk("%s(%p)\n", __FUNCTION__, arg);

    if (!ixp)
        return;

    while (!list_empty(&ixp->ixp_q)) {
        q = list_entry(ixp->ixp_q.next, struct ixp_q, ixp_q_list);
        list_del(&q->ixp_q_list);
        ixp_q_process(q);
    }
}

#if LINUX_VERSION_CODE >= KERNEL_VERSION(2,6,20)
static void
ixp_process_pending_wq(struct work_struct *work)
{
    struct ixp_data *ixp = container_of(work, struct ixp_data, ixp_pending_work);
    ixp_process_pending(ixp);
}
#endif

/*
 * callback for when context registration is complete
static void
ixp_register_cb(UINT32 ctx_id, IX_MBUF *bufp, IXCryptoAccStatus status)
{
  int i;
  struct ixp_data *ixp;
  struct ixp_q *q;

dprintf("%s(%d, %p, %d)\n", __FUNCTION__, ctx_id, bufp, status);

/*
 * free any buffer passed in to this routine
 */
if (bufp) {
  IX_MBUF_MLEN(bufp) = IX_MBUF_PKT_LEN(bufp) = 0;
  kfree(IX_MBUF_MDATA(bufp));
  IX_MBUF_MDATA(bufp) = NULL;
}

for (i = 0; i < ixp_sesnum; i++) {
  ixp = ixp_sessions[i];
  if (ixp && ixp->ixp_ctx_id == ctx_id)
    break;
}
if (i >= ixp_sesnum) {
  printk("ixp: invalid context id %d\n", ctx_id);
  return;
}

if (IX_CRYPTO_ACC_STATUS_WAIT == status) {
  /* this is normal to free the first of two buffers */
dprintf("ixp: register not finished yet.\n");
  return;
}

if (IX_CRYPTO_ACC_STATUS_SUCCESS != status) {
  printk("ixp: register failed 0x%lx\n", status);
  while (!list_empty(&ixp->ixp_q)) {
    q = list_entry(ixp->ixp_q.next, struct ixp_q, ixp_q_list);
    list_del(&q->ixp_q_list);
    q->ixp_q_crp->crp_etype = EINVAL;
    crypto_done(q->ixp_q_crp);
    kmem_cache_free(qcache, q);
  }
  return;
}
/*
 * we are now registered, we cannot start processing the Q here
 * or we get strange errors with AES (DES/3DES seem to be ok).
 */
ixp->ixp_registered = 1;
schedule_work(&ixp->ixp_pending_work);
}

/*
 * callback for when data processing is complete
 */
static void
ixp_perform_cb(
UINT32 ctx_id,
IX_MBUF *sbufp,
IX_MBUF *dbufp,
IxCryptoAccStatus status)
{
struct ixp_q *q;

dprintk("%s(%d, %p, %p, 0x%x)\n", __FUNCTION__, ctx_id, sbufp,
dbufp, status);

if (sbufp == NULL) {
printk("ixp: NULL sbuf in ixp_perform_cb\n");
return;
}

q = IX_MBUF_PRIV(sbufp);
if (q == NULL) {
printk("ixp: NULL priv in ixp_perform_cb\n");
return;
}

if (status != IX_CRYPTO_ACC_STATUS_SUCCESS) {
printk("ixp: perform failed status=%d\n", status);
q->ixp_q_crp->crp_etype = EINVAL;
}
crypto_done(q->ixp_q_crp);
kmem_cache_free(qcache, q);
}

/*
 * registration is not callable at IRQ time, so we defer
static void
ixp_registration(void *arg)
{
    struct ixp_data *ixp = arg;
    struct ixp_q *q = NULL;
    IX_MBUF *pri = NULL, *sec = NULL;
    int status = IX_CRYPTO_ACC_STATUS_SUCCESS;

    if (!ixp) {
        printk("ixp: ixp_registration with no arg\n");
        return;
    }

    if (ixp->ixp_ctx_id != -1) {
        ixCryptoAccCtxUnregister(ixp->ixp_ctx_id);
        ixp->ixp_ctx_id = -1;
    }

    if (list_empty(&ixp->ixp_q)) {
        printk("ixp: ixp_registration with no Q\n");
        return;
    }

    /* setup the primary and secondary buffers */
    q = list_entry(ixp->ixp_q.next, struct ixp_q, ixp_q_list);
    if (q->ixp_q_acrd) {
        pri = &ixp->ixp_pri_mbuf;
        sec = &ixp->ixp_sec_mbuf;
        IX_MBUF_MLEN(pri)  = IX_MBUF_PKT_LEN(pri) = 128;
        IX_MBUF_MDATA(pri) = (unsigned char *) kmalloc(128, SLAB_ATOMIC);
        IX_MBUF_MLEN(sec)  = IX_MBUF_PKT_LEN(sec) = 128;
        IX_MBUF_MDATA(sec) = (unsigned char *) kmalloc(128, SLAB_ATOMIC);
    }

    /* Only need to register if a crypt op or HMAC op */
    if (!((ixp->ixp_auth_alg == CRYPTO_SHA1 ||
        ixp->ixp_auth_alg == CRYPTO_MD5))){
        status = ixCryptoAccCtxRegister(
            &ixp->ixp_ctx,
            &ixp->ixp_ctx_id,
            &ixp->ixp_ctx_id);
    }
}
pri, sec,
ixp_register_cb,
ixp_perform_ch,
&ixp->ixp_ctx_id);
}
else {
/* Otherwise we start processing pending q */
schedule_work(&ixp->ixp_pending_work);
}

if (IX_CRYPTO_ACC_STATUS_SUCCESS == status)
return;

if (IX_CRYPTO_ACC_STATUS_EXCEED_MAX_TUNNELS == status) {
printk("ixp: ixCryptoAccCtxRegister failed (out of tunnels)n");
ixp_blocked = 1;
/* perhaps we should return EGAIN on queued ops ? */
return;
}

printk("ixp: ixCryptoAccCtxRegister failed %d
", status);
ixp->ixp_ctx_id = -1;

/*
 * everything waiting is toasted
 */
while (!list_empty(&ixp->ixp_q)) {
q = list_entry(ixp->ixp_q.next, struct ixp_q, ixp_q_list);
list_del(&q->ixp_q_list);
q->ixp_q_crp->crp_etype = ENOENT;
crypto_done(q->ixp_q_crp);
kmem_cache_free(qcache, q);
}

#if LINUX_VERSION_CODE >= KERNEL_VERSION(2,6,20)
static void
ixp_registration_wq(struct work_struct *work)
{
struct ixp_data *ixp = container_of(work, struct ixp_data,
ixp_registration_work);
ixp_registration(ixp);
}
#endif

/ *
 * Process a request.
 */
static int
ixp_process(device_t dev, struct cryptop *crp, int hint)
{
struct ixp_data *ixp;
unsigned int lid;
struct ixp_q *q = NULL;
int status;

dprintf("%s()
", __FUNCTION__);  
/* Sanity check */
if (crp == NULL) {
  dprintf("%s,%d: EINVAL
", __FILE__, __LINE__);  
  return EINVAL;
}

  crp->crp_etype = 0;

  if (ixp_blocked)  
    return ERESTART;

  if (crp->crp_desc == NULL || crp->crp_buf == NULL) {
    dprintf("%s,%d: EINVAL
", __FILE__, __LINE__);  
    crp->crp_etype = EINVAL;
    goto done;
  }

  /* find the session we are using */
  lid = crp->crp_sid & 0xffffffff;
  if (lid >= ixp_sesnum || lid == 0 || ixp_sessions == NULL ||
      ixp_sessions[lid] == NULL) {
    crp->crp_etype = ENOENT;
    dprintf("%s,%d: ENOENT
", __FILE__, __LINE__);  
    goto done;
  }

  ixp = ixp_sessions[lid];

  /*
   * setup a new request ready for queuing
   */
  q = kmem_cache_alloc(qcache, SLAB_ATOMIC);
  if (q == NULL) {
    dprintf("%s,%d: ENOMEM
", __FILE__, __LINE__);  
    crp->crp_etype = ENOMEM;
    goto done;
  }

  /*
/*
 * save some cycles by only zeroing the important bits
 */
memset(&q->ixp_q_mbuf, 0, sizeof(q->ixp_q_mbuf));
q->ixp_q_ccrd = NULL;
q->ixp_q_acrd = NULL;
q->ixp_q_crp = crp;
q->ixp_q_data = ixp;

/*
 * point the cipher and auth descriptors appropriately
 * check that we have something to do
 */
if (crp->crp_desc->crd_alg == ixp->ixp_cipher_alg)
q->ixp_q_ccrd = crp->crp_desc;
else if (crp->crp_desc->crd_alg == ixp->ixp_auth_alg)
q->ixp_q_acrd = crp->crp_desc;
else {
    crp->crp_etype = ENOENT;
dprintf("%s,%d: bad desc match: ENOENT\n", __FILE__, __LINE__);
goto done;
}
if (crp->crp_desc->crd_next) {
    if (crp->crp_desc->crd_next->crd_alg == ixp->ixp_cipher_alg)
q->ixp_q_ccrd = crp->crp_desc->crd_next;
else if (crp->crp_desc->crd_next->crd_alg == ixp->ixp_auth_alg)
q->ixp_q_acrd = crp->crp_desc->crd_next;
else {
    crp->crp_etype = ENOENT;
dprintf("%s,%d: bad desc match: ENOENT\n", __FILE__, __LINE__);
goto done;
}
}

/*
 * If there is a direction change for this context then we mark it as
 * unregistered and re-register is for the new direction. This is not
 * a very expensive operation and currently only tends to happen when
 * user-space application are doing benchmarks
 *
 * DM - we should be checking for pending requests before unregistering.
 */
if (q->ixp_q_ccrd && ixp->ixp_registered &&
    ixp->ixp_crd_flags != (q->ixp_q_ccrd->crd_flags & CRD_F_ENCRYPT)) {
    dprintf("%s - detected direction change on session\n", __FUNCTION__);
    ixp->ixp_registered = 0;
}
/*
 * if we are registered, call straight into the perform code
 */
if (ixp->ixp_registered) {
    ixp_q_process(q);
    return 0;
}

/*
 * the only part of the context not set in newsession is the direction
 * dependent parts
 */
if (q->ixp_q_ccrd) {
    ixp->ixp_crd_flags = (q->ixp_q_ccrd->crd_flags & CRD_F_ENCRYPT);
    if (q->ixp_q_ccrd->crd_flags & CRD_F_ENCRYPT) {
        ixp->ixp_ctx.operation = q->ixp_q_acrd ?
            IX_CRYPTO_ACC_OP_ENCRYPT_AUTH : IX_CRYPTO_ACC_OP_ENCRYPT;
    } else {
        ixp->ixp_ctx.operation = q->ixp_q_acrd ?
            IX_CRYPTO_ACC_OP_AUTH_DECRYPT : IX_CRYPTO_ACC_OP_DECRYPT;
    }
} else {
    /* q->ixp_q_acrd must be set if we are here */
    ixp->ixp_ctx.operation = IX_CRYPTO_ACC_OP_AUTH_CALC;
}

status = list_empty(&ixp->ixp_q);
list_add_tail(&q->ixp_q_list, &ixp->ixp_q);
if (status)
    schedule_work(&ixp->ixp_registration_work);
return 0;

done:
if (q)
    kmem_cache_free(qcache, q);
crypto_done(crp);
return 0;
}
* copy a BN (LE) into a buffer (BE) an fill out the op appropriately
* assume zeroed and only copy bits that are significant
*/

static int
ixp_copy_ibuf(struct crparam *p, IxCryptoAccPkeEauOperand *op, UINT32 *buf)
{
unsigned char *src = (unsigned char *) p->crp_p;
unsigned char *dst;
int len, bits = p->crp_nbits;
dprintk("%s()
", __FUNCTION__);  
if (bits > MAX_IOP_SIZE * sizeof(UINT32) * 8) {
dprintk("%s - ibuf too big (%d > %d)
", __FUNCTION__,
bits, MAX_IOP_SIZE * sizeof(UINT32) * 8);
return -1;
}
len = (bits + 31) / 32; /* the number UINT32's needed */
dst = (unsigned char *) &buf[len];
dst--;  
while (bits > 0) {
*dst-- = *src++;
bits -= 8;
}
#if 0 /* no need to zero remaining bits as it is done during request alloc */
while (dst > (unsigned char *) buf)  
*dst-- = '\0';
#endif
op->pData = buf;
op->dataLen = len;
return 0;
}  
/*
* copy out the result, be as forgiving as we can about small output buffers
*/

static int
ixp_copy_obuf(struct crparam *p, IxCryptoAccPkeEauOpResult *op, UINT32 *buf)
{
unsigned char *dst = (unsigned char *) p->crp_p;
unsigned char *src = (unsigned char *) buf;
}
int len, z, bits = p->crp_nbits;

dprintf("%s\n", __FUNCTION__);

len = op->dataLen * sizeof(UINT32);

/* skip leading zeroes to be small buffer friendly */
z = 0;
while (z < len && src[z] == '0')
z++;

src += len;
src--;
len -= z;

while (len > 0 && bits > 0) {
    *dst++ = *src--;
    len--;
    bits -= 8;
}

while (bits > 0) {
    *dst++ = '0';
    bits -= 8;
}

if (len > 0) {
    dprintf("%s - obuf is %d (z=%d, ob=%d) bytes too small\n", __FUNCTION__, len, z, p->crp_nbits / 8);
    return -1;
}

return 0;
}

/*
 * the parameter offsets for exp_mod
 */

#define IXP_PARAM_BASE 0
#define IXP_PARAM_EXP  1
#define IXP_PARAM_MOD  2
#define IXP_PARAM_RES  3

/*
 * key processing complete callback, is also used to start processing
 * by passing a NULL for pResult
 */
static void
ixp_kperform_cb(
IxCryptoAccPkeEauOperation operation,
IxCryptoAccPkeEauOpResult *pResult,
BOOL carryOrBorrow,
IxCryptoAccStatus status)
{
struct ixp_pkq *q, *tmp;
unsigned long flags;

dprintk("%s(0x%x, %p, %d, 0x%x)n", __FUNCTION__, operation, pResult,
carryOrBorrow, status);

/* handle a completed request */
if (pResult) {
if (ixp_pk_cur && &ixp_pk_cur->pkq_result == pResult) {
q = ixp_pk_cur;
if (status != IX_CRYPTO_ACC_STATUS_SUCCESS) {
dprintk("%s() - op failed 0x%x\n", __FUNCTION__, status);
q->pkq_krp->krp_status = ERANGE; /* could do better */
} else {
/* copy out the result */
if (ixp_copy_obuf(&q->pkq_krp->krp_param[IXP_PARAM_RES],
&q->pkq_result, q->pkq_obuf))
q->pkq_krp->krp_status = ERANGE;
}
crypto_kdone(q->pkq_krp);
kfree(q);
ixp_pk_cur = NULL;
} else
printk("%s - callback with invalid result pointer\n", __FUNCTION__);
}

spin_lock_irqsave(&ixp_pkq_lock, flags);
if (ixp_pk_cur || list_empty(&ixp_pkq)) {
spin_unlock_irqrestore(&ixp_pkq_lock, flags);
return;
}

list_for_each_entry_safe(q, tmp, &ixp_pkq, pkq_list) {

list_del(&q->pkq_list);
ixp_pk_cur = q;

spin_unlock_irqrestore(&ixp_pkq_lock, flags);
status = ixCryptoAccPkeEauPerform(
   IX_CRYPTO_ACC_OP_EAU_MOD_EXP,
   &q->pkq_op,
   ixp_kperform_cb,
   &q->pkq_result);

if (status == IX_CRYPTO_ACC_STATUS_SUCCESS) {
   dprintk("%s() - ixCryptoAccPkeEauPerform SUCCESS\n", __FUNCTION__);
   return; /* callback will return here for callback */
} else if (status == IX_CRYPTO_ACC_STATUS_RETRY) {
   printk("%s() - ixCryptoAccPkeEauPerform RETRY\n", __FUNCTION__);
} else {
   printk("%s() - ixCryptoAccPkeEauPerform failed %d\n",
      __FUNCTION__, status);
}
q->pkq_krp->krp_status = ERANGE; /* could do better */
crypto_kdone(q->pkq_krp);
kfree(q);
spin_lock_irqsave(&ixp_pkq_lock, flags);
}
spin_unlock_irqrestore(&ixp_pkq_lock, flags);

static int
ixp_kprocess(device_t dev, struct cryptkop *krp, int hint)
{
   struct ixp_pkq *q;
   int rc = 0;
   unsigned long flags;

dprintk("%s l1=%d l2=%d l3=%d l4=%d\n", __FUNCTION__,
   krp->krp_param[IXP_PARAM_BASE].crp_nbits,
   krp->krp_param[IXP_PARAM_EXP].crp_nbits,
   krp->krp_param[IXP_PARAM_MOD].crp_nbits,
   krp->krp_param[IXP_PARAM_RES].crp_nbits);

if (krp->krp_op != CRK_MOD_EXP) {
   krp->krp_status = EOPNOTSUPP;
   goto err;
}

q = (struct ixp_pkq *) kmalloc(sizeof(*q), GFP_KERNEL);
if (q == NULL) {
   krp->krp_status = ENOMEM;
   goto err;
}
/*
 * The PKE engine does not appear to zero the output buffer
 * appropriately, so we need to do it all here.
 */
memset(q, 0, sizeof(*q));

q->pkq_krp = krp;
INIT_LIST_HEAD(&q->pkq_list);

if (ixp_copy_ibuf(&krp->krp_param[IXP_PARAM_BASE], &q->pkq_op.modExpOpr.M,
    q->pkq_ibuf0))
    rc = 1;
if (!rc && ixp_copy_ibuf(&krp->krp_param[IXP_PARAM_EXP],
    &q->pkq_op.modExpOpr.e, q->pkq_ibuf1))
    rc = 2;
if (!rc && ixp_copy_ibuf(&krp->krp_param[IXP_PARAM_MOD],
    &q->pkq_op.modExpOpr.N, q->pkq_ibuf2))
    rc = 3;

if (rc) {
    kfree(q);
    krp->krp_status = ERANGE;
    goto err;
}

q->pkq_result.pData = q->pkq_obuf;
q->pkq_result.dataLen = (krp->krp_param[IXP_PARAM_RES].crp_nbits + 31) / 32;

spin_lock_irqsave(&ixp_pkq_lock, flags);
list_add_tail(&q->pkq_list, &ixp_pkq);
spin_unlock_irqrestore(&ixp_pkq_lock, flags);

if (!ixp_pk_cur)
    ixp_kperform_cb(0, NULL, 0, 0);
return (0);

err:
    crypto_kdone(krp);
    return (0);
}

#ifdef CONFIG_OCF_RANDOMHARVEST
/*
 * We run the random number generator output through SHA so that it
static volatile int sha_done = 0;
static unsigned char sha_digest[20];

static void
ixp_hash_cb(UINT8 *digest, IXCryptoAccStatus status)
{
    dprintf("%s(%p, %d)\n", __FUNCTION__, digest, status);
    if (sha_digest != digest)
        printk("digest error\n");
    if (IX_CRYPTO_ACC_STATUS_SUCCESS == status)
        sha_done = 1;
    else
        sha_done = -status;
}

static int
ixp_read_random(void *arg, u_int32_t *buf, int maxwords)
{
    IXCryptoAccStatus status;
    int i, n, rc;

    dprintf("%s(%p, %d)\n", __FUNCTION__, buf, maxwords);
    memset(buf, 0, maxwords * sizeof(*buf));
    status = ixCryptoAccPkePseudoRandomNumberGet(maxwords, buf);
    if (status != IX_CRYPTO_ACC_STATUS_SUCCESS) {
        dprintf("%s: ixCryptoAccPkePseudoRandomNumberGet failed %d\n",
                __FUNCTION__, status);
        return 0;
    }

    /*
    * run the random data through SHA to make it look more random
    */
    
    n = sizeof(sha_digest); /* process digest bytes at a time */

    rc = 0;
    for (i = 0; i < maxwords; i += n / sizeof(*buf)) {
        if ((maxwords - i) * sizeof(*buf) < n)
            n = (maxwords - i) * sizeof(*buf);
        sha_done = 0;
        status = ixCryptoAccPkeHashPerform(IX_CRYPTO_ACC_AUTH_SHA1,
                (UINT8 *) &buf[i], n, ixp_hash_cb, sha_digest);
        if (status != IX_CRYPTO_ACC_STATUS_SUCCESS) {
            dprintf("ixCryptoAccPkeHashPerform failed %d\n", status);
        }
        if (status == IX_CRYPTO_ACC_STATUS_SUCCESS) {
            sha_done = 1;
        }
    }
}

/*
 * is FIPS compliant.
 */

static void
ixp_hash(void)
{
return -EIO;
}
while (!sha_done)
schedule();
if (sha_done < 0) {
dprintf("ixCryptoAccPkeHashPerform failed CB \%d\n", -sha_done);
return 0;
}
memcpy(&buf[i], sha_digest, n);
rc += n / sizeof(*buf);
}
return rc;
}
#endif /* CONFIG_OCF_RANDOMHARVEST */

#endif /* __ixp46X */

/*
 * our driver startup and shutdown routines
 */

static int
ixp_init(void)
{
dprintf("%s(%p)\n", __FUNCTION__, ixp_init);

if (ixp_init_crypto && ixCryptoAccInit() != IX_CRYPTO_ACC_STATUS_SUCCESS)
  printk("ixCryptoAccInit failed, assuming already initialised\n");

qcache = kmem_cache_create("ixp4xx_q", sizeof(struct ixp_q), 0,
  SLAB_HWCACHE_ALIGN, NULL
#if LINUX_VERSION_CODE < KERNEL_VERSION(2,6,23)
  , NULL
#endif
); if (!qcache) {
  printk("failed to create Qcache\n");
  return -ENOENT;
}

memset(&ixpdev, 0, sizeof(ixpdev));
softc_device_init(&ixpdev, "ixp4xx", 0, ixp_methods);

ixp_id = crypto_get_driverid(softc_get_device(&ixpdev),
  CRYPTO_CAP_F_HARDWARE);

if (ixp_id < 0)
panic("IXP/OCF crypto device cannot initialize!");

#define REGISTER(alg)
    crypto_register(ixp_id,alg,0,0)

REGISTER(CRYPTO_DES_CBC);
REGISTER(CRYPTO_3DES_CBC);
REGISTER(CRYPTO_RIJNDAEL128_CBC);
#ifdef CONFIG_OCF_IXP4XX_SHA1_MD5
REGISTER(CRYPTO_MD5);
REGISTER(CRYPTO_SHA1);
#endif
REGISTER(CRYPTO_MD5_HMAC);
REGISTER(CRYPTO_SHA1_HMAC);
#undef REGISTER

#ifdef __ixp46X
spin_lock_init(&ixp_pkq_lock);
/*
 * we do not enable the go fast options here as they can potentially
 * allow timing based attacks
 *
 * http://www.openssl.org/news/secadv_20030219.txt
 */
ixCryptoAccPkeEauExpConfig(0, 0);
crypto_kregister(ixp_id, CRK_MOD_EXP, 0);
#ifdef CONFIG_OCF_RANDOMHARVEST
crypto_rregister(ixp_id, ixp_read_random, NULL);
#endif
#endif

return 0;
}

static void
ixp_exit(void)
{
    dprintk("%s()
", __FUNCTION__);
crypto_unregister_all(ixp_id);
    ixp_id = -1;
    kmem_cache_destroy(qcache);
    qcache = NULL;
}

module_init(ixp_init);
module_exit(ixp_exit);
MODULE_LICENSE("Dual BSD/GPL");
MODULE_AUTHOR("David McCullough <dmccullough@cyberguard.com>");
MODULE_DESCRIPTION("ixp (OCF module for IXP4xx crypto)";)
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*                                                                             
* */                                                                             

/*                                                                             
* Register definitions for 5601 BlueSteel Networks Ubiquitous Broadband       
* Security "uBSec" chip. Definitions from revision 2.8 of the product         
* datasheet.                                                                  
* */                                                                             

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1.223 openssl 1.0.0i

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1.224 OpenSSL 1.0.0 :r2.10

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Motorolla 68020 20mhz, NetBSD

SSLeay 0.9.0t 29-May-1998
built on Fri Jun  5 12:42:23 EST 1998
options:bn(64,32) md2(16) rc4(idx,int) des(idx,cisc,16,long) idea(int) blowfish(idx)
C flags:gcc -DTERMIOS -O3 -fomit-frame-pointer -Wall -DB_ENDIAN
The 'numbers' are in 1000s of bytes per second processed.

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<th>type</th>
<th>8 bytes</th>
<th>64 bytes</th>
<th>256 bytes</th>
<th>1024 bytes</th>
<th>8192 bytes</th>
</tr>
</thead>
<tbody>
<tr>
<td>md2</td>
<td>130.99k</td>
<td>367.68k</td>
<td>499.09k</td>
<td>547.04k</td>
<td>566.50k</td>
</tr>
<tr>
<td>mdc2</td>
<td></td>
<td></td>
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<td></td>
<td></td>
</tr>
<tr>
<td>md5</td>
<td>117.96k</td>
<td>148.94k</td>
<td>152.57k</td>
<td>153.09k</td>
<td>152.92k</td>
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<td>des cbc</td>
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<td>30.06k</td>
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<tr>
<td>des ede3</td>
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<tr>
<td>idea cbc</td>
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<td>85.70k</td>
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<td>blowfish cbc</td>
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<td>cast cbc</td>
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</table>

sign verify    sign/s verify/s
rsa 512 bits 0.7738s 0.0774s 1.3 12.9
rsa 1024 bits 4.3967s 0.2615s 0.2 3.8
rsa 2048 bits 29.5200s 0.9664s 0.0 1.0

dsa 512 bits 0.7862s 0.9709s 1.3 1.0
dsa 1024 bits 2.5375s 3.1625s 0.4 0.3
dsa 2048 bits 9.2150s 11.8200s 0.1 0.1

Pentium Pro 200mhz
FreeBSD 2.1.5
gcc 2.7.2.2

SSLeay 0.7.0 30-Jan-1997
built on Tue Apr 22 12:14:36 EST 1997
options:bn(64,32) md2(int) rc4(idx,int) des(ptr,risc1,16,long) idea(int) blowfish(ptr2)
C flags:gcc -DTERMIOS -D_ANSI_SOURCE -fomit-frame-pointer -O3 -m486 -Wall
The 'numbers' are in 1000s of bytes per second processed.

<table>
<thead>
<tr>
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<th>256 bytes</th>
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</tr>
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<td>367.68k</td>
<td>499.09k</td>
<td>547.04k</td>
<td>566.50k</td>
</tr>
<tr>
<td>Algorithm</td>
<td>MD5</td>
<td>SHA</td>
<td>SHA1</td>
<td>RC4</td>
<td>DES CBC</td>
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<td>1924.98k</td>
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</tr>
<tr>
<td></td>
<td>806.00k</td>
<td>833.52k</td>
<td>837.58k</td>
<td>838.52k</td>
<td>836.69k</td>
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<tr>
<td></td>
<td>4687.34k</td>
<td>5949.97k</td>
<td>6182.43k</td>
<td>6248.11k</td>
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</tr>
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</table>

**1.225 openssl 1.0.1e :51.el7_2.2**

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1.227 ossp-uuid 1.6.2 :r1
1.228 p11-kit 0.20.7 :3.el7

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1.229 pam 1.1.8 :12.el7

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1.235 pcre 8.32 :14.el7

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

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

Written by: Philip Hazel
Email local part: ph10
Email domain: cam.ac.uk

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1.236 Perl 5.14.2 :r9.4
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Julian Seward, jseward@bzip.org
bzip2/libbzip2 version 1.0.6 of 6 September 2010

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1.237 pinentry 0.8.1 :14.el7
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*/
/*
* Chat -- a program for automatic session establishment (i.e. dial
the phone and log in).
*
* Standard termination codes:
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* 1 - invalid argument, expect string too large, etc.
* 2 - error on an I/O operation or fatal error condition.
* 3 - timeout waiting for a simple string.
* 4 - the first string declared as "ABORT"
* 5 - the second string declared as "ABORT"
* 6 - ... and so on for successive ABORT strings.
*
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 * passprompt.c - pppd plugin to invoke an external PAP password prompter
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 */
/*

Unix SMB/CIFS implementation.

trivial database library

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* Updated to ppp-2.4.1 by Bernhard Kaindl
* Updated to ppp-2.4.2 by David Woodhouse 2004.
* - disconnect method added
* - remove_options() abuse removed.
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Library, but is designed to work with the Library by being compiled or
linked with it, is called a "work that uses the Library". Such a
work, in isolation, is not a derivative work of the Library, and
therefore falls outside the scope of this License.

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

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

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

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

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

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

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

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

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

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

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

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

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

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

a) Accompany the combined library with a copy of the same work based on the Library, uncombined with any other library facilities. This must be distributed under the terms of the Sections above.

b) Give prominent notice with the combined library of the fact that part of it is a work based on the Library, and explaining where to find the accompanying uncombined form of the same work.

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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.

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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 library, if necessary. Here is a sample; alter the names:

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

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Version 2, June 1991

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

Preamble

The licenses for most software are designed to take away your
freedom to share and change it. By contrast, the GNU General Public
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your libraries, too.

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if you want it, that you can change the software or use pieces of it
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To protect your rights, we need to make restrictions that forbid
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For example, if you distribute copies of the library, whether gratis
or for a fee, you must give the recipients all the rights that we gave
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code. If you link a program with the library, you must provide
complete object files to the recipients so that they can relink them
with the library, after making changes to the library and recompiling
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Our method of protecting your rights has two steps: (1) copyright
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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 and installation of the library.

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

1. You may copy and distribute verbatim copies of the Library's complete source code as you receive it, in any medium, provided that you conspicuously and appropriately publish on each copy an appropriate copyright notice and disclaimer of warranty; keep intact all the notices that refer to this License and to the absence of any
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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:

a) The modified work must itself be a software library.

b) You must cause the files modified to carry prominent notices stating that you changed the files and the date of any change.

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

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

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

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

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

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

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

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

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

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

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

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

However, linking a "work that uses the Library" with the Library creates an executable that is a derivative of the Library (because it contains portions of the Library), rather than a "work that uses the library". The executable is therefore covered by this License. Section 6 states terms for distribution of such executables.
When a "work that uses the Library" uses material from a header file that is part of the Library, the object code for the work may be a derivative work of the Library even though the source code is not. Whether this is true is especially significant if the work can be linked without the Library, or if the work is itself a library. The threshold for this to be true is not precisely defined by law.

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

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

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

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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
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c) If distribution of the work is made by offering access to copy
from a designated place, offer equivalent access to copy the above
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d) Verify that the user has already received a copy of these
materials or that you have already sent this user a copy.

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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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a) Accompany the combined library with a copy of the same work
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END OF TERMS AND CONDITIONS

Appendix: How to Apply These Terms to Your New Libraries

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

<one line to give the library's name and a brief idea of what it does.>
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1.244 procps 3.2.8 :r12

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1.248 pugixml 1.4
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pugixml 1.4 - an XML processing library

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This is the distribution of pugixml, which is a C++ XML processing library,
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tree queries. Full Unicode support is also available, with Unicode interface
variants and conversions between different Unicode encodings (which happen
automatically during parsing/saving).

The distribution contains the following folders:

contrib/ - various contributions to pugixml
docs/ - documentation
docs/samples - pugixml usage examples
docs/quickstart.html - quick start guide
docs/manual.html - complete manual

scripts/ - project files for IDE/build systems

src/ - header and source files

readme.txt - this file.
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1.251 python 2.7.2 :r5.19
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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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1.252 python 2.7.5 :16.el7

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

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

In May 2000, Guido and the Python core development team moved to BeOpen.com to form the BeOpen PythonLabs team. In October of the same year, the PythonLabs team moved to Digital Creations (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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/* zlib.h -- interface of the 'zlib' general purpose compression library
 version 1.2.3, July 18th, 2005

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

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

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1.253 python-argparse 1.2.1 :r1
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History
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Before (and including) argparse 1.1, the argparse package was licensed under Apache License v2.0.

After argparse 1.1, all project files from the argparse project were deleted due to license compatibility issues between Apache License 2.0 and GNU GPL v2.

The project repository then had a clean start with some files taken from Python 2.7.1, so definitely all files are under Python License now.

A. HISTORY OF THE SOFTWARE

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

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

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

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

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1.254 python-async 0.6.1 :r0

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Metadata-Version: 1.0
Name: async
Version: 0.6.1
Summary: Async Framework
Home-page: http://gitorious.org/git-python/async
Author: Sebastian Thiel
Author-email: byronimo@gmail.com
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Description: Async is a framework to process interdependent tasks in a pool of workers
Platform: UNKNOWN
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1.255 python-contextlib2 0.4.0 :r0
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1.256 python-iniparse 0.3.2 :r0

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1.257 python-iniparse 0.4 :9.el7

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1.258 python-ipaddress 1.0 :r0

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1.259 python-nsenter 0.1.6 :r0

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1.262 python-pip 1.5.6 :r0

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1.264 python-pycurl 7.19.0 :17.el7

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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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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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b) Use a suitable shared library mechanism for linking with the
Library. A suitable mechanism is one that (1) uses at run time a
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1.267 python-setuptools 0.6c11 :ml3.1
1.268 python-setuptools 0.6c11 :ml5

1.268.1 Available under license :

Metadata-Version: 1.0
Name: setuptools
Version: 0.6c11
Summary: Download, build, install, upgrade, and uninstall Python packages -- easily!
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If distribution of object code is made by offering access to copy from a designated place, then offering equivalent access to copy the source code from the same place satisfies the requirement to distribute the source code, even though third parties are not compelled to copy the source along with the object code.

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

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

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

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

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

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

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

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

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

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

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

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

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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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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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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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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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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
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medium customarily used for software interchange.

If distribution of object code is made by offering access to copy
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5. A program that contains no derivative of any portion of the
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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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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.)

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permitted, and provided that you do these two things:

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1.275 readline 6.2 :r2

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

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

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

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

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

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

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netstd was created by Peter Tobias tobias@et-inf.fho-emden.de on Wed, 20 Jul 1994 17:23:21 +0200.

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1.283 run-postinsts 1.0 :r9

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

Test 1.1:101

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

Testing argument parsing
First type

e1_l1_1
e1_l1_2
e1_l1_3
e1_l1_4
e1_l1_5
e1_l1_6
e1_l1_7
e1_l1_8
e1_l1_9
e1_l1_10
e1_l1_11
e1_l1_12
e1_l1_13
e1_l1_14

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

Test 1.2:102

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

e1_l1_1
e1_l1_2
e1_l1_3
e1_l1_4
e1_l1_5
e1_l1_6
e1_l1_7
Test 1.3:103

Test 1.4:104
Second type

Test 1.4.1:105

Test 1.5:106
s1_I1_9
s1_I1_9
s1_I1_10
s1_I1_10
s1_I1_11
s1_I1_11
s1_I1_12
s1_I1_12
s1_I1_13
s1_I1_13
s1_I1_14
s1_I1_14

==============
Test 1.6:107
==============

s1_I1_1
s1_I1_1
s1_I1_2
s1_I1_2
s1_I1_3
s1_I1_3
s1_I1_4
s1_I1_4
s1_I1_5
s1_I1_5
s1_I1_6
s1_I1_6
s1_I1_7
s1_I1_7
s1_I1_8
s1_I1_8
s1_I1_9
s1_I1_9
s1_I1_10
s1_I1_10
s1_I1_11
s1_I1_11
s1_I1_12
s1_I1_12
s1_I1_13
s1_I1_13
s1_I1_14
s1_I1_14

==============
Test 1.7:108
==============
Test 1:8:109

============
Test 1.9:110

Test 1.10:111
Test 1.11:112

e1_l1_1
e1_l1_2
e1_l1_3
e1_l1_4
e1_l1_5
e1_l1_6
e1_l1_7
e1_l1_8
e1_l1_9
e1_l1_10
e1_l1_11
e1_l1_12
e1_l1_13
e1_l1_14

Test 1.12:113

e1_l1_1
e1_l1_2
e1_l1_3
e1_l1_4
e1_l1_5
e1_l1_6
e1_l1_7
e1_l1_8
e1_l1_9
e1_l1_10
e1_l1_11
e1_l1_12
e1_l1_13
e1_l1_14

Test 1.13:114

e1_l1_1
e2_e1_l1_1
e2_e1_l1_1
e1_l1_2
e2_e1_l1_2
e2_e1_l1_2
e1_l1_3
e2_e1_l1_3
e2_e1_11_3
e1_11_4
e2_e1_11_4
e2_e1_11_4
e1_11_5
e2_e1_11_5
e2_e1_11_5
e1_11_6
e2_e1_11_6
e2_e1_11_6
e1_11_7
e2_e1_11_7
e2_e1_11_7
e1_11_8
e2_e1_11_8
e2_e1_11_8
e1_11_9
e2_e1_11_9
e2_e1_11_9
e1_11_10
e2_e1_11_10
e2_e1_11_10
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e2_e1_11_12
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e2_e1_11_13
e2_e1_11_13
e1_11_14
e2_e1_11_14
e2_e1_11_14

-------------
Test 1.14:115
-------------
s1_11_1
s2_s1_11_1
s2_s1_11_1
s1_11_2
s2_s1_11_2
s2_s1_11_2
s1_11_3
s2_s1_11_3
s2_s1_11_3
s1_11_4
| s2_s1_11_4 |
| s2_s1_11_4 |
| s1_11_5 |
| s2_s1_11_5 |
| s2_s1_11_5 |
| s1_11_6 |
| s2_s1_11_6 |
| s2_s1_11_6 |
| s1_11_7 |
| s2_s1_11_7 |
| s2_s1_11_7 |
| s1_11_8 |
| s2_s1_11_8 |
| s2_s1_11_8 |
| s1_11_9 |
| s2_s1_11_9 |
| s2_s1_11_9 |
| s1_11_10 |
| s2_s1_11_10 |
| s2_s1_11_10 |
| s1_11_11 |
| s2_s1_11_11 |
| s2_s1_11_11 |
| s1_11_12 |
| s2_s1_11_12 |
| s2_s1_11_12 |
| s1_11_13 |
| s2_s1_11_13 |
| s2_s1_11_13 |
| s1_11_14 |
| s2_s1_11_14 |
| s2_s1_11_14 |

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

Test 1.15:116

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

| e1_11_1 |
| s1_e1_11_1 |
| s1_e1_11_1 |
| e1_11_2 |
| s1_e1_11_2 |
| s1_e1_11_2 |
| e1_11_3 |
| s1_e1_11_3 |
| s1_e1_11_3 |
| e1_11_4 |
| s1_e1_11_4 |
| s1_e1_11_4 |
e1_l1_5
s1_e1_l1_5
s1_e1_l1_5
e1_l1_6
s1_e1_l1_6
s1_e1_l1_6
e1_l1_7
s1_e1_l1_7
s1_e1_l1_7
e1_l1_8
s1_e1_l1_8
s1_e1_l1_8
e1_l1_9
s1_e1_l1_9
s1_e1_l1_9
e1_l1_10
s1_e1_l1_10
s1_e1_l1_10
e1_l1_11
s1_e1_l1_11
s1_e1_l1_11
e1_l1_12
s1_e1_l1_12
s1_e1_l1_12
e1_l1_13
s1_e1_l1_13
s1_e1_l1_13
e1_l1_14
s1_e1_l1_14
s1_e1_l1_14

============= Test 1.16:117 =============
e1_l1_1
e1_l1_1
e1_l1_2
e1_l1_2
e1_l1_3
e1_l1_3
e1_l1_4
e1_l1_4
e1_l1_5
e1_l1_5
e1_l1_6
e1_l1_6
e1_l1_7
e1_l1_7
Testing address ranges

Test 1.18:119

Test 2.1:120
Test 2.2:121
Test 2.3:122
Test 2.4:123
Test 2.5:124
Test 2.6:125
Test 2.7:126
Test 2.9:127
Test 2.10:128
Test 2.11:129
Test 2.12:130
Test 2.13:131

Test 2.14:132
Test 2.17: 135

Test 2.18: 136

Test 2.19: 137

Test 2.20: 138
==
11_7
Brace and other grouping
==

Test 3.1:139
==
11_1
11_2
11_3
^11T4$
^11T5$
^11T6$
^11T7$
^11T8$
^11T9$
^11T10$
^11T11$
^11T12$
11_13
11_14
==

Test 3.2:140
==
11_1
11_2
11_3
^11_4
^11_5
^11_6$
^11_7$
^11T8$
^11_9$
^11_10$
^11_11
^11_12
11_13
11_14
==

Test 3.3:141
==
^11T1$
^11T2$
^11T3$
11_4
11_5
Testing a c d and i commands
before_il1_9
after_ibefore_il1_9
before_il1_10
after_ibefore_il1_10
before_il1_11
after_ibefore_il1_11
before_il1_12
after_ibefore_il1_12
before_il1_13
after_ibefore_il1_13
before_il1_14
after_ibefore_il1_14
before_il2_1
after_ibefore_il2_1
before_il2_2
after_ibefore_il2_2
before_il2_3
after_ibefore_il2_3
before_il2_4
after_ibefore_il2_4
before_il2_5
after_ibefore_il2_5
before_il2_6
inserted
after_ibefore_il2_6
before_il2_7
after_ibefore_il2_7
before_il2_8
after_ibefore_il2_8
before_il2_9
after_ibefore_il2_9

==============
Test 4.2:144
==============
before_al1_1
after_abefore_al1_1
before_al1_2
after_abefore_al1_2
before_al1_3
after_abefore_al1_3
before_al1_4
after_abefore_al1_4
before_a5-1211_5
after_abefore_a5-1211_5
appended
before_a5-1211_6
after_abefore_a5-1211_6
appended
before_a5-12l1_7
after_abefore_a5-12l1_7
appended
before_a5-12l1_8
after_abefore_a5-12l1_8
appended
before_a5-12l1_9
after_abefore_a5-12l1_9
appended
before_a5-12l1_10
after_abefore_a5-12l1_10
appended
before_a5-12l1_11
after_abefore_a5-12l1_11
appended
before_a5-12l1_12
after_abefore_a5-12l1_12
appended
before_al1_13
after_abefore_al1_13
before_al1_14
after_abefore_al1_14
before_al2_1
after_abefore_al2_1
before_al2_2
after_abefore_al2_2
before_al2_3
after_abefore_al2_3
before_al2_4
after_abefore_al2_4
before_al2_5
after_abefore_al2_5
before_al2_6
after_abefore_al2_6
before_al2_7
after_abefore_al2_7
before_al2_8
after_abefore_al2_8
before_al2_9
after_abefore_al2_9

============
Test 4.3:145
============
^l1_1
^l1_1$
apended
Test 4.4:146

hello

Test 4.5:147

hello

Test 4.6:148

hello

Test 4.7:149

hello

Test 4.8:150

Testing labels and branching

Test 5.1:151

label2_l1_1
Test 5.2:152

Tested I2_1
Tested I2_2
Tested I2_3
Tested I2_4
Tested I2_5
Tested I2_6
Tested I2_7
Tested I2_8
Tested I2_9
Tested I2_10
Tested I2_11
Tested I2_12
Tested I2_13
Tested I2_14

Test 5.3:153

^I1_1
^I1_1$
^I1_2
^I1_2$
^I1_3
^I1_3$
^I1_4
^I1_4$
I1_5$
I1_6$
Test 5.8:158

m1_1
m1_2
m1_3
m1_4
m1_5
m1_6
m1_7
m1_8
m1_9
m1_10
m1_11
m1_12
m1_13
m1_14

Pattern space commands

Test 6.1:159

changed
changed
changed
changed
changed
changed
changed
changed
changed
changed
changed
changed

Test 6.2:160

l1_1
l1_2
l1_3
l1_5
l1_6
l1_7
l1_8
Test 6.6:164

Testing print and file routines

Test 7.1:165

Test 7.2:166


Test 7.3:167
<table>
<thead>
<tr>
<th>Test 7.6:170</th>
</tr>
</thead>
<tbody>
<tr>
<td>11.13</td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th>Test 7.8:171</th>
</tr>
</thead>
<tbody>
<tr>
<td>Testing substitution commands</td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th>Test 8.2:173</th>
</tr>
</thead>
<tbody>
<tr>
<td>Testing substitution commands</td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th>Test 8.1:172</th>
</tr>
</thead>
<tbody>
<tr>
<td>Testing substitution commands</td>
</tr>
</tbody>
</table>
Test 8.3:174

Test 8.4:175

l1_1
l1_2
l1_3
l1_4
l1_5
l1_6
l1_7
l1_8
l1_9
l1_10
l1_11
l1_12
Test 8.8:179

x_x1x1l1
x_x1x1l2
x_x1x1l3
x_x1x1l4
x_x1x1l5
x_x1x1l6
x_x1x1l7
x_x1x1l8
x_x1x1l9
x_x1x1l10
x_x1x1l11
x_x1x1l12
x_x1x1l13
x_x1x1l14

Test 8.9:180

11u0
u1
u21
11u0
u1
u22
11u0
u1
u23
11u0
u1
u24
11u0
u1
u25
11u0
u1
u26
Open Source Used In Cisco Nexus 9000 Series 7.0(3)I2(5)

Test 8.10:181

Test 8.11:182
s wfile results

=============
Test 8.12:183
==============
IX_X
IX_X
IX_X
IX_4
IX_5
IX_6
IX_7
IX_8
IX_9
IX_X0
IX_XX
IX_XX
IX_XX
IX_X4

=============
Test 8.13:184
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1.303 sysklogd 1.5 :r13

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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).
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1.306 sysvinit 2.88 :14.dsf.el7

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* 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>,
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*******************************************************************************/

/*
* This file contains "define" statements that control agent configuration.
* SERVICE_* definitions control which service implementations are included into the agent.
*/

#ifndef D_config
#define D_config

#include <framework/mdep.h>

#if defined(WIN32)
  # define TARGET_WINDOWS 1
  # define TARGET_VXWORKS 0
  # define TARGET_UNIX 0
  # if defined(_MSC_VER)
  #   # define TARGET_MSVC 1
  # else
  #   # define TARGET_MSVC 0
  # endif
  # define TARGET_BSD 0
  # define TARGET_SYMBIAN 0
#elif defined(_WRS_KERNEL)
# define TARGET_WINDOWS 0
# define TARGET_VXWORKS 1
# define TARGET_UNIX 0
# define TARGET_MSVC 0
# define TARGET_BSD 0
# define TARGET_SYMBIAN 0
#elif defined(__SYMBIAN32__)
# define TARGET_WINDOWS 0
# define TARGET_VXWORKS 0
# define TARGET_UNIX 0
# define TARGET_MSVC 0
# define TARGET_BSD 0
# define TARGET_SYMBIAN 1
#else
# define TARGET_WINDOWS 0
# define TARGET_VXWORKS 0
# define TARGET_UNIX 1
# define TARGET_MSVC 0
#endif
#if !defined(SERVICE_Locator)
#define SERVICE_Locator (TARGET_UNIX || TARGET_VXWORKS || TARGET_WINDOWS || TARGET_SYMBIAN)
#endif
#if !defined(SERVICE_RunControl)
#define SERVICE_RunControl (TARGET_UNIX || TARGET_VXWORKS || TARGET_WINDOWS)
#endif
#if !defined(SERVICE_Breakpoints)
#define SERVICE_Breakpoints (TARGET_UNIX || TARGET_VXWORKS || TARGET_WINDOWS)
#endif
#if !defined(SERVICE_Memory)
#define SERVICE_Memory (TARGET_UNIX || TARGET_VXWORKS || TARGET_WINDOWS)
#endif
#if !defined(SERVICE_Registers)
#define SERVICE_Registers (TARGET_UNIX || TARGET_VXWORKS || TARGET_WINDOWS)
#endif
#if !defined(SERVICE_Processes)
#define SERVICE_Processes (TARGET_UNIX || TARGET_VXWORKS || TARGET_WINDOWS)
#endif
#if !defined(SERVICE_MemoryMap)
#define SERVICE_MemoryMap (TARGET_UNIX || TARGET_VXWORKS || TARGET_WINDOWS)
#endif
#if !defined(SERVICE_StackTrace)
#define SERVICE_StackTrace   (TARGET_UNIX || TARGET_VXWORKS || TARGET_WINDOWS)
#endif
#if !defined(SERVICE_Symbols)
#define SERVICE_Symbols         (TARGET_UNIX || TARGET_MSVC)
#endif
#if !defined(SERVICE_LineNumbers)
#define SERVICE_LineNumbers     (TARGET_UNIX || TARGET_MSVC)
#endif
#if !defined(SERVICE_FileSystem)
#define SERVICE_FileSystem      (TARGET_UNIX || TARGET_VXWORKS || TARGET_WINDOWS)
#endif
#if !defined(SERVICE_SysMonitor)
#define SERVICE_SysMonitor      ((TARGET_UNIX && !TARGET_BSD) || TARGET_WINDOWS)
#endif
#if !defined(SERVICE_Expressions)
#define SERVICE_Expressions     (TARGET_UNIX || TARGET_VXWORKS || TARGET_WINDOWS)
#endif
#if !defined(SERVICE_Streams)
#define SERVICE_Streams         (TARGET_UNIX || TARGET_VXWORKS || TARGET_WINDOWS || TARGET_SYMBIAN)
#endif
#if !defined(SERVICE_PathMap)
#define SERVICE_PathMap         ENABLE_ELF
#endif
#if !defined(SERVICE_Terminals)
#define SERVICE_Terminals       TARGET_UNIX
#endif
#if !defined(ENABLE_Plugins)
  if TARGET_UNIX && defined(PATH_Plugins)
    define ENABLE_Plugins 1
  else
    define ENABLE_Plugins 0
  endif
#endif
#if !defined(ENABLE_ZeroCopy)
#define ENABLE_ZeroCopy         1
#endif
#if !defined(ENABLE_Splice)
  if ENABLE_ZeroCopy
    include <fcntl.h>
    if defined(SPLICE_F_MOVE)
      define ENABLE_Splice 1
    else
      define ENABLE_Splice 0
    endif
  endif
#endif
# endif
# else
#  define ENABLE_Splice  0
# endif
#endif

#if !defined(ENABLE_Trace)
#  define ENABLE_Trace       1
#endif

#if !defined(ENABLE_Discovery)
#  define ENABLE_Discovery    1
#endif

#if !defined(ENABLE_Cmdline)
#  define ENABLE_Cmdline      1
#endif

#if !defined(ENABLE_ContextProxy)
#  define ENABLE_ContextProxy  0
#endif

#if !defined(ENABLE_DebugContext)
#  define ENABLE_DebugContext (ENABLE_ContextProxy || SERVICE_RunControl || SERVICE_Breakpoints ||
  SERVICE_Memory || SERVICE_Registers || SERVICE_StackTrace)
#endif

#if !defined(ENABLE_SymbolsProxy)
#  define ENABLE_SymbolsProxy (ENABLE_DebugContext && TARGET_VXWORKS)
#endif

#if !defined(ENABLE_LineNumbersProxy)
#  define ENABLE_LineNumbersProxy (ENABLE_DebugContext && TARGET_VXWORKS)
#endif

#if ENABLE_SymbolsProxy || !ENABLE_DebugContext
#  undef SERVICE_Symbols
#  define SERVICE_Symbols       0
#endif

#if ENABLE_LineNumbersProxy || !ENABLE_DebugContext
#  undef SERVICE_LineNumbers
#  define SERVICE_LineNumbers    0
#endif

#if !defined(ENABLE_Symbols)
#  define ENABLE_Symbols       (ENABLE_SymbolsProxy || SERVICE_Symbols)
#endif
#if !defined(ENABLE_LineNumbers)
#  define ENABLE_LineNumbers (ENABLE_LineNumbersProxy || SERVICE_LineNumbers)
#endif

#if !defined(ENABLE_ELF)
#  define ENABLE_ELF (TARGET_UNIX && (SERVICE_Symbols || SERVICE_LineNumbers))
#endif

#if !defined(ENABLE_SSL)
#  if (TARGET_UNIX) && !defined(__APPLE__)
#    define ENABLE_SSL 1
#  else
#    define ENABLE_SSL 0
#  endif
#endif

#if !defined(ENABLE_RCBP_TEST)
#  if defined(__FreeBSD__) || defined(__NetBSD__) || defined(__APPLE__)
/* TODO: debug services are not fully implemented on BSD */
#    define ENABLE_RCBP_TEST 0
#  else
#    define ENABLE_RCBP_TEST (!ENABLE_ContextProxy && (SERVICE_RunControl &&
SERVICE_Breakpoints))
#  endif
#endif

#if !defined(ENABLE_AIO)
#  if !defined(__POSIXASYNCHRONOUS_IO)
#    define ENABLE_AIO 0
#  elif defined(__FreeBSD__) || defined(__NetBSD__) || defined(__APPLE__)
/* On BSD AIO sends signal SIGSYS - bad system call */
#    define ENABLE_AIO 0
#  elif defined(__linux__)
/* Linux implementation of POSIX AIO found to be inefficient */
#    define ENABLE_AIO 0
#  endif
#endif

#if !defined(ENABLE_STREAM_MACROS)
/* Enabling stream macros increases code size about 5%, and increases speed about 7% */
#  define ENABLE_STREAM_MACROS 0
#endif
#if !defined(ENABLE_LUA)
#  if defined(PATH_LUA)
#    define ENABLE_LUA          1
#  else
#    define ENABLE_LUA          0
#  endif
#endif

#if !defined(ENABLE_Unix_Domain)
/* Using UNIX:/path/to/socket for local TCP communication */
#  define ENABLE_Unix_Domain    (TARGET_UNIX || TARGET_SYMBIAN)
#endif

#if !defined(ENABLE_ContextStateProperties)
#  define ENABLE_ContextStateProperties 0
#endif

#endif /* D_config */

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

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

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

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

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

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

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

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

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

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

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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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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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(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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It was originally cobbled together by Sean Bastille <hightide@ginch.org>
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The build system, and the way in which TinyLogin invokes its component
applications has been totally rewritten, based on the build system
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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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The original unzip source code has been extensively modified and almost entirely rewritten (changes include random zipfile access rather than sequential; replacement of unimplode() with explode(); replacement of old unshrink() with new (unrelated) unshrink(); replacement of output routines; addition of inflate(), wildcards, filename-mapping, text translation, ...; etc.). As far as we can tell, only the core code of the unreduce method remained substantially similar to Mr. Smith's original source. As of UnZip 5.42, the complete core code is now covered by the Info-ZIP Licence. Therefore, support for the reduce method has been removed.

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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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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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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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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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#
#
TS_TOPDIR="$(dirname $0)/../.."
TS_DESC="nested BSD"

. $TS_TOPDIR/functions.sh
ts_init "$*"

FDISK_CMD_CREATE_DOSLABEL="\n"  # create dos label
FDISK_CMD_SETID="x\n\n0x1\n\n"  # set non-random ID
FDISK_CMD_WRITE_CLOSE="w\n\n"  # write to image
FDISK_CMD_CREATE_PRIMARY1="n\n\n1\n\n+1M\n" # 1st primary partition of size 1MiB
FDISK_CMD_CREATE_PRIMARY2="n\n\n2\n\n" # 2nd primary partition for whole of the disk
FDISK_CMD_CHANGE_PART2TYPE="n\n\n+1M\n" # change partition type FreeBSD

FDISK_CMD_BSD_CREATE="b\n\n" # create nested BSD PT
FDISK_CMD_BSD_LIST="b\n\n" # list nested BSD PT and quit
FDISK_CMD_BSD_CREATE_PART="n\n\n+1M\n" # add BSD partition 'a', size 1MiB
FDISK_CMD_BSD_PARTTYPE="b\n\n" # set partition 'a' to type 4.2BSD
FDISK_CMD_BSD_LIST_TYPES="b\n\n" # list supported PT types and quit

#set -x

function print_layout {
    echo -ne "---layout----------" >> $TS_OUTPUT
    STS_CMD_FDISK -l ${TEST_IMAGE_NAME} | \
    sed 's/^.*\.img/__ts_dev__/g; \n       s/\[[:blank:]]*Device Boot/ Device Boot/g' >> $TS_OUTPUT 2>&1
    echo -ne "-------------------

" >> $TS_OUTPUT
}

function print_bsd_layout {
    echo -ne "---layout----------" >> $TS_OUTPUT
    echo "${FDISK_CMD_BSD_LIST}" | $TS_CMD_FDISK ${TEST_IMAGE_NAME} | \
    sed 's/Reading .*/Reading.*//g; \n       s/Welcome to fdisk .*/Welcome to fdisk ./g' >> $TS_OUTPUT 2>&1
    echo -ne "-------------------

" >> $TS_OUTPUT
}

ts_log "Initialize empty image"
TEST_IMAGE_NAME=$(ts_image_init 10)
ts_image_md5sum >> $TS_OUTPUT 2>&1

print_layout

ts_log "Create new DOS partition table"
echo -e "${FDISK_CMD_CREATE_DOSLABEL}${FDISK_CMD_SETID}${FDISK_CMD_WRITE_CLOSE}" \
| $TS_CMD_FDISK ${TEST_IMAGE_NAME} &> /dev/null
ts_image_md5sum >> $TS_OUTPUT 2>&1

print_layout

ts_log "Create 1st primary partition"
echo -e "${FDISK_CMD_CREATE_PRIMARY1}${FDISK_CMD_WRITE_CLOSE}" \
| $TS_CMD_FDISK ${TEST_IMAGE_NAME} &> /dev/null
ts_image_md5sum >> $TS_OUTPUT 2>&1

print_layout

ts_log "Create 2st primary partition"
echo -e "${FDISK_CMD_CREATE_PRIMARY2}${FDISK_CMD_WRITE_CLOSE}" \


$TS_CMD_FDISK ${TEST_IMAGE_NAME} &> /dev/null
ts_image_md5sum >> $TS_OUTPUT 2>&1

ts_log "Set 2nd partition type"
echo -e "${FDISK_CMD_CHANGE_PART2TYPE}${FDISK_CMD_WRITE_CLOSE}" | \n$TS_CMD_FDISK ${TEST_IMAGE_NAME} &> /dev/null
ts_image_md5sum >> $TS_OUTPUT 2>&1

print_layout

ts_log "Create default BSD"
echo -e "${FDISK_CMD_BSD_CREATE}${FDISK_CMD_WRITE_CLOSE}" | \n$TS_CMD_FDISK ${TEST_IMAGE_NAME} &> /dev/null
ts_image_md5sum >> $TS_OUTPUT 2>&1

print_bsd_layout

echo -e "${FDISK_CMD_BSD_CREATE_PART}${FDISK_CMD_WRITE_CLOSE}" | \n$TS_CMD_FDISK ${TEST_IMAGE_NAME} &> /dev/null

echo -e "${FDISK_CMD_BSD_PARTTYPE}${FDISK_CMD_WRITE_CLOSE}" | \n$TS_CMD_FDISK ${TEST_IMAGE_NAME} &> /dev/null
ts_image_md5sum >> $TS_OUTPUT 2>&1

print_bsd_layout

echo -e "${FDISK_CMD_BSD_LIST_TYPES}" | \n$TS_CMD_FDISK ${TEST_IMAGE_NAME} | \nsed \'s/Reading .*/g; s/Welcome to fdisk .*/\' >> $TS_OUTPUT 2>&1

ts_finalize

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*/

```
# 1: 7936- 12799 ( 4864 sectors, 2 MB)
# 2: 12544- 16127 ( 3584 sectors, 1 MB)
# 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 4864 0x7
#2: 12544 3584 0x7
```

---

```
size: 8388608, sector size: 512, PT: dos, offset: 446
```

---

```
# 1: 7680 8704 0xa5
# 5: 7936 4864 0x7 (freebsd)
# 6: 12544 3584 0x7 (freebsd)
```

---

```
BZh91AY&SY`hC+{H|yL*UT{JDCCMhd?TPJ
4b"LLLD3Mf0h
4JM&hC&A
4h
```

---

```
P44OP4&FCFz{"W ">CN
@JEBx=Q
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1.332 v86d 0.1.10 :r1

1.332.1 Available under license :

v86d -- A x86 Emulation Daemon

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1. Purpose

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v86d provides a backend for kernel drivers that need to execute x86 BIOS code. The code is executed in a controlled environment and the results are passed back to the kernel via the netlink interface.

2. Supported architectures

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This version of v86d supports the following architectures:

x86, x86-64 (amd64).

3. Configuration

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3.1. The C library

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v86d can be compiled against two different C libraries: glibc and klibc, glibc being the default.

Compiling against glibc will result in a dynamically linked executable that is not suitable for inclusion in initrd.
Compiling against klibc will result in a relatively small, statically linked binary, which can be included in an initrd.

To compile v86d against klibc, run ./configure --with-klibc after making sure that a recent (1.4 or newer) version of klibc is installed on your system.

3.2. The emulator backend
-------------------------
On x86, the code executed by v86d can be run either in a fully software-emulated environment (x86emu) or a virtualized environment (vm86) supported by the CPU. On other arches or 64-bit systems, the code is always run by x86emu.

To choose the x86emu backend on a x86 system, run ./configure --with-x86emu.

4. Installation & Usage
-----------------------
To configure, build and install v86d with the default settings, run:

# ./configure --default
# make
# make install

If the kernel that you're currently running doesn't provide uvesafb, you can use the KDIR variable to point make to a different kernel tree (e.g. 'make KDIR=/usr/src/linux').

v86d isn't meant to be used in an interactive way. It should be started and called by the kernel. If you want to see it in action, build and load the uvesafb kernel module.

If you want to include v86d into an initramfs image, misc/initramfs provides a minimal config file parsable by gen_init_cpio.

5. Licensing
------------
v86d is licensed under GPL v2.

--
Michal Januszewski <spock@gentoo.org>
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1.333 vim 7.4.160 :1.el7
1.333.1 Available under license:
*uganda.txt* For Vim version 7.4. Last change: 2013 Jul 06

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==============================================================================
Kibaale Children's Centre* kcc* Kibaale* charity*

Open Source Used In Cisco Nexus 9000 Series 7.0(3)I2(5)
4302
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
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The e-mail address for sending the money to is:
Bram@iccf-holland.org
For amounts above 400 Euro ($500) sending a check is
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Others: Transfer to one of these accounts if possible:
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1.334 vim 7.3.429

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*uganda.txt*  For Vim version 7.3. Last change: 2010 Aug 07

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.

The Open Publication License applies to the Vim documentation, see [manual-copyright].

=== begin of license ===

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I) There are no restrictions on distributing unmodified copies of Vim except that they must include this license text. You can also distribute unmodified parts of Vim, likewise unrestricted except that they must include this license text. You are also allowed to include executables that you made from the unmodified Vim sources, plus your own usage examples and Vim scripts.

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2) The modified Vim must be distributed in one of the following five ways:
   a) If you make changes to Vim yourself, you must clearly describe in the distribution how to contact you. When the maintainer asks you (in any way) for a copy of the modified Vim you distributed, you must make your changes, including source code, available to the maintainer without fee. The maintainer reserves the right to
include your changes in the official version of Vim. What the
maintainer will do with your changes and under what license they
will be distributed is negotiable. If there has been no negotiation
then this license, or a later version, also applies to your changes.
The current maintainer is Bram Moolenaar <Bram@vim.org>. If this
changes it will be announced in appropriate places (most likely
vim.sf.net, www.vim.org and/or comp.editors). When it is completely
impossible to contact the maintainer, the obligation to send him
your changes ceases. Once the maintainer has confirmed that he has
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- You keep the changes for at least three years after last
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or someone who you distributed the modified Vim to asks you (in
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available to him.
- You clearly describe in the distribution how to contact you. This
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  as possible.

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not conflict with the license used for the changes.

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maintainer, including the source code. The preferred way to do this is
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sources, parts of it or from a modified version. You may use this
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=== end of license ===

Note:

- 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.

- If you link Vim with a library that goes under the GNU GPL, this limits
further distribution to the GNU GPL. Also when you didn't actually change
anything in Vim.

- Once a change is included that goes under the GNU GPL, this forces all
further changes to also be made under the GNU GPL or a compatible license.

- If you distribute a modified version of Vim, you can include your name and
contact information with the "--with-modified-by" configure argument or the
MODIFIED_BY define.

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

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

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: NL47 PSTB 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:
stichting ICCF Holland
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:

1.335 wget 1.13.4 :r16.3

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1.342 xinetd 2.3.15 :r2.1

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### 1.343 xmltodict 0.8.3

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1.353 zlib 1.2.7 :13.el7

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 version 1.2.7, May 2nd, 2012

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jloup@gzip.org          madler@alumni.caltech.edu
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