

# PowerPath Management Appliance

January 2025

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### Abstract

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# Chapter 1 Open Source License Table

This chapter presents the following topics:

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## Table of open-source licenses

Component Name	Component Version	License Name
aaa_base	13.2+git20140911.61c1681-38.13.1	GPL-2.0-or-later
Acl	2.2.52-7.3.1	GPL-2.0-or-later AND LGPL-2.1-or-later
apache-commons-collections	3.2.2-6.1	Apache-2.0
apache-commons-daemon	1.0.15-6.10	Apache-2.0
apache-commons-dbcp	2.1.1-2.1	Apache-2.0
apache-commons-logging	1.1.3-7.1	Apache-2.0
apache-commons-pool2	2.4.2-1.2	Apache-2.0
apache2-mod_jk	1.2.49-7.9.1	Apache-2.0
apache2-mod_nss	1.0.17-19.12.1	Apache-2.0
apache2-tls13	2.4.51-35.66.1	Apache-2.0
apache2-tls13-prefork	2.4.51-35.66.1	Apache-2.0
apache2-tls13-utils	2.4.51-35.66.1	Apache-2.0
Audit	2.8.1-10.3.2	LGPL-2.1+
Bash	4.3-83.23.1	GPL-3.0-or-later
bind-utils	9.11.22-3.57.1	MPL-2.0
binutils	2.41-9.53.1	GFDL-1.3-only AND GPL-3.0-or-later
blog	2.19-4.3.2	GPL-2.0+
ca-certificates	1_201403302107-15.6.2	GPL-2.0-or-later
cglib	2.2-11.1	Apache-2.0
commons-daemon-jsvc	1.0.4-2	ASL 2.0
coreutils	8.25-13.7.1	GPL-3.0+
cpio	2.11-36.21.1	GPL-3.0-only
cracklib	2.9.0-7.1	LGPL-2.1
cracklib-dict-full	2.8.12-63.17	LGPL-2.1
cron	4.2-59.10.1	BSD-3-Clause and GPL-2.0 and MIT
cronie	1.4.11-59.10.1	BSD-3-Clause and GPL-2.0 and MIT
curl	8.0.1-11.98.1	curl
dbus-1	1.8.22-44.1	AFL-2.1 OR GPL-2.0-or-later
device-mapper	1.02.149-9.18.1	GPL-2.0-or-later AND LGPL-2.1-or-later AND GPL-3.0-or-later
diffutils	3.3-5.40	GFDL-1.2 and GPL-3.0+
dirmngr	1.1.1-13.1	GPL-3.0+
dracut	044.2-15.1	GPL-2.0-or-later AND LGPL-2.1-or-later
e2fsprogs	1.43.8-3.17.1	GPL-2.0-only

ecj	4.4.0-3.1	EPL-1.0
elfutils	0.158-7.7.2	SUSE-GPL-2.0-with-OSI-exception
erlang	25.1.1-1.e18	ASL 2.0
esxcli	8.0.0	Apache-2.0
expat	2.1.0-21.37.1	MIT
file	5.22-10.21.1	BSD-2-Clause
file-magic	5.22-10.21.1	BSD-2-Clause
filesystem	13.1-14.15	MIT
fillup	1.42-270.64	GPL-2.0+
findutils	4.5.12-7.1	GPL-3.0+
gawk	4.1.0-5.3.1	GPL-3.0-or-later
geronimo-jta-1_1-api	1.2-25.1	Apache-2.0
geronimo-specs-poms	1.2-25.1	Apache-2.0
gettext-runtime	0.19.2-3.3.6	GPL-3.0-or-later AND LGPL-2.0-or-later
glibc	2.22-114.34.1	GPL-2.0-or-later AND LGPL-2.1-or-later AND LGPL-2.1-or-later WITH GCC-exception-2.0
glibc-locale	2.22-114.34.1	GPL-2.0-or-later AND MIT AND LGPL-2.1-or-later
gpg-pubkey	c4e34013-496d98a8	pubkey
gpg2	2.0.24-9.14.1	GPL-3.0-or-later
grep	2.16-3.1	GPL-3.0+
grub2	2.02-169.1	GPL-3.0-or-later
grub2-i386-pc	2.02-169.1	GPL-3.0-or-later
gzip	1.10-4.14.1	GPL-3.0-or-later
hardlink	1.0-6.45	GPL-2.0+
info	4.13a-37.229	GPL-3.0+
insserv-compat	0.1-14.3.1	MIT
iproute2	4.12-16.6.1	GPL-2.0-only
iptables	1.4.21-6.1	GPL-2.0 and Artistic-2.0
iputils	s20121221-2.19	BSD-3-Clause and GPL-2.0+
javapackages-filesystem	5.3.1-14.7.3	BSD-3-Clause
javapackages-tools	5.3.1-14.7.3	BSD-3-Clause
kbd	2.0.4-8.10.2	GPL-2.0-or-later
kbd-legacy	2.0.4-8.10.2	GPL-2.0-or-later
kernel-default	4.12.14-122.237.1	GPL-2.0-only
kernel-firmware	20190618-5.37.1	GPL-2.0-only AND SUSE-Firmware AND GPL-2.0-or-later AND MIT
kmod	25-3.4.1	LGPL-2.1-or-later AND GPL-2.0-or-later
kmod-compat	25-3.4.1	GPL-2.0-or-later
krb5	1.16.3-46.15.1	MIT
less	458-7.15.1	BSD-2-Clause OR GPL-3.0-or-later
libGeoIP1	1.5.1-3.65	LGPL-2.1+

libacl1	2.2.52-7.3.1	GPL-2.0-or-later AND LGPL-2.1-or-later
libadns1	1.4-103.3.1	GPL-2.0-or-later
libaio1	0.3.109-17.15	LGPL-2.1+
libapparmor1	2.8.2-56.6.3	LGPL-2.1-or-later
libapr-util1	1.5.3-8.7.1	Apache-2.0
libapr1	1.5.1-4.8.1	Apache-2.0
libargon2-1	0.0+git20171227.670229c-1.26	CC0-1.0 or Apache-2.0
libasm1	0.158-7.7.2	SUSE-GPL-2.0-with-OSI-exception
libassuan0	2.1.1-3.217	GPL-3.0+ and LGPL-2.1+
libattr1	2.4.47-3.143	GPL-2.0+ and LGPL-2.1+
libaudit1	2.8.1-10.3.2	LGPL-2.1+
libaugeas0	1.10.1-2.6	GPL-3.0-or-later AND LGPL-2.1-or-later
libauparse0	2.8.1-10.3.2	LGPL-2.1+
libbind9-161	9.11.22-3.57.1	MPL-2.0
libblkid1	2.33.2-4.36.1	LGPL-2.1-or-later
libbz2-1	1.0.6-30.8.1	BSD-3-Clause
libcap-ng0	0.7.3-4.125	LGPL-2.1+
libcap1	1.10-61.1	BSD-3-Clause
libcap2	2.26-14.9.1	BSD-3-Clause OR GPL-2.0-only
libcom_err2	1.43.8-3.17.1	MIT
libcrack2	2.9.0-7.1	LGPL-2.1
libcroco-0_6-3	0.6.11-12.6.45	LGPL-2.1-only
libcryptsetup12	2.0.5-1.34	SUSE-GPL-2.0-with-openssl-exception AND LGPL-2.0-or-later
libctf-nobfd0	2.41-9.53.1	GFDL-1.3-only AND GPL-3.0-or-later
libctf0	2.41-9.53.1	GFDL-1.3-only AND GPL-3.0-or-later
libcurl4	8.0.1-11.98.1	curl
libdb-4_8	4.8.30-33.1	BSD-3-Clause
libdbus-1-3	1.8.22-44.1	AFL-2.1 OR GPL-2.0-or-later
libdns1110	9.11.22-3.57.1	MPL-2.0
libdrm2	2.4.97-2.28	MIT
libdw1	0.158-7.7.2	SUSE-GPL-2.0-with-OSI-exception
libedit0	3.1.snap20140620-1.13	BSD-3-Clause
libelf1	0.158-7.7.2	SUSE-GPL-2.0-with-OSI-exception
libestr0	0.1.9-1.54	LGPL-2.1+
libexpat1	2.1.0-21.37.1	MIT
libext2fs2	1.43.8-3.17.1	LGPL-2.0-only
libfastjson4	0.99.8-3.6.1	MIT
libfdisk1	2.33.2-4.36.1	LGPL-2.1-or-later
libffi4	5.3.1+r233831-12.1	BSD-3-Clause
libfreebl3	3.90.2-58.111.1	MPL-2.0

libfreetype6	2.6.3-7.18.1	SUSE-Freetype OR GPL-2.0-or-later
libfuse2	2.9.3-6.3.1	GPL-2.0-or-later AND LGPL-2.1-or-later
libgcc_s1	13.2.1+git7813-1.10.1	GPL-3.0-or-later WITH GCC-exception-3.1
libgcrypt20	1.6.1-16.77.1	GPL-2.0-or-later AND LGPL-2.1-or-later
libgdbm4	1.10-9.70	GPL-3.0+
libglib-2_0-0	2.48.2-12.43.1	LGPL-2.1-or-later
libgmodule-2_0-0	2.48.2-12.43.1	LGPL-2.1-or-later
libgmp10	5.1.3-4.3.1	GPL-3.0-or-later AND LGPL-3.0-or-later
libgobject-2_0-0	2.48.2-12.43.1	LGPL-2.1-or-later
libgpg-error0	1.29-1.3	GPL-2.0-or-later AND LGPL-2.1-or-later
libicu52_1	52.1-8.13.1	MIT
libicu52_1-data	52.1-8.13.1	MIT
libidn11	1.28-5.6.1	(GPL-2.0-or-later OR LGPL-3.0-or-later) AND GPL-3.0-or-later
libiptc0	1.4.21-6.1	GPL-2.0 and Artistic-2.0
libirs161	9.11.22-3.57.1	MPL-2.0
libisc1107	9.11.22-3.57.1	MPL-2.0
libisccc161	9.11.22-3.57.1	MPL-2.0
libiscfg163	9.11.22-3.57.1	MPL-2.0
libjson-c2	0.12.1-4.3.1	MIT
libkeyutils1	1.5.9-3.29	GPL-2.0+ and LGPL-2.1+
libkmod2	25-3.4.1	LGPL-2.1-or-later
libksba8	1.3.0-24.6.1	(GPL-2.0-or-later OR LGPL-3.0-or-later) AND GPL-3.0-or-later AND MIT
libldap-2_4-2	2.4.41-22.19.1	OLDAP-2.8
liblogging0	1.0.4-1.6	BSD-2-Clause
libltdl7	2.4.2-17.4.1	LGPL-2.1+
liblua5_1	5.1.5-8.3.1	MIT
liblua5_2	5.2.4-6.1	MIT
liblwres161	9.11.22-3.57.1	MPL-2.0
liblzma5	5.0.5-6.7.1	SUSE-Public-Domain
libmagic1	5.22-10.21.1	BSD-2-Clause
libmnl0	1.0.3-9.18	LGPL-2.1+
libmodman1	2.0.1-15.75	LGPL-2.1+
libmount1	2.33.2-4.36.1	LGPL-2.1-or-later
libmspack0	0.4-15.13.1	LGPL-2.1-only
libncurses5	5.9-88.1	MIT
libncurses6	5.9-88.1	MIT
libnet9	1.2~rc3-3.1	BSD-3-Clause

libnetfilter_conntrack3	1.0.4-3.60	GPL-2.0+
libnfnetlink0	1.0.1-6.58	GPL-2.0
libnhttp2-14	1.39.2-3.18.1	MIT
libnl-config	3.2.23-4.7.1	GPL-2.0-only AND LGPL-2.1-only
libnl3-200	3.2.23-4.7.1	LGPL-2.1-only
libopenssl1_0_0	1.0.2p-3.95.1	OpenSSL
libopenssl1_1	1.1.1d-2.113.1	OpenSSL
libp11-kit0	0.23.2-8.10.1	BSD-3-Clause
libparted0	3.1-37.19	GPL-3.0+
libpcre1	8.45-8.12.1	BSD-3-Clause
libpng16-16	1.6.8-15.5.2	Zlib
libpopt0	1.16-26.128	MIT
libpq5	17.2-3.5.1	PostgreSQL
libprocps3	3.3.9-11.27.1	LGPL-2.1-or-later
libproxy1	0.4.13-18.3.1	GPL-2.0+ and LGPL-2.1+
libpth20	2.0.7-140.1	LGPL-2.1+
libpython2_7-1_0	2.7.18-33.35.1	Python-2.0
libpython3_6m1_0	3.6.15-67.1	Python-2.0
libqrencode3	3.4.3-1.31	LGPL-2.1+
libreadline6	6.3-83.23.1	GPL-3.0-or-later
libsasl2-3	2.1.26-14.5.1	BSD-4-Clause
libseccomp2	2.4.1-11.3.2	LGPL-2.1
libselinux1	2.5-8.79	GPL-2.0 and SUSE-Public-Domain
libsemanage1	2.5-9.3.1	LGPL-2.1-or-later
libsepol1	2.5-3.143	LGPL-2.1+
libsmartcols1	2.33.2-4.36.1	LGPL-2.1-or-later
libsoftokn3	3.90.2-58.111.1	MPL-2.0
libsolv-tools	0.6.39-2.39.2	BSD-3-Clause
libsqlite3-0	3.44.0-9.29.1	SUSE-Public-Domain
libssh-config	0.9.8-3.12.2	LGPL-2.1-or-later
libssh2-1	1.11.0-29.15.2	BSD-3-Clause
libssh4	0.9.8-3.12.2	LGPL-2.1-or-later
libstdc++6	13.2.1+git7813-1.10.1	GPL-3.0-or-later WITH GCC-exception-3.1
libsystemd0	228-157.52.1	LGPL-2.1-or-later
libtasn1	4.9-3.13.1	GPL-3.0-only AND LGPL-2.1-or-later
libtasn1-6	4.9-3.13.1	GPL-3.0-only AND LGPL-2.1-or-later
libudev1	228-157.52.1	LGPL-2.1-or-later
libunwind	1.1-11.3.1	MIT
libusb-0_1-4	0.1.13-29.13	BSD-3-Clause and LGPL-2.1+
libusb-1_0-0	1.0.20-5.3	LGPL-2.1+
libustr-1_0-1	1.0.4-31.197	MIT or LGPL-2.1+ or BSD-2-Clause
libutempter0	1.1.6-5.114	MIT

libuuid1	2.33.2-4.36.1	BSD-3-Clause
libverto1	0.2.6-3.2.2	MIT
libvmttools0	12.3.0-4.62.1	BSD-3-Clause AND GPL-2.0-only AND LGPL-2.1-only
libwrap0	7.6-886.3	BSD-3-Clause
libxerces-c-3_1	3.1.1-13.12.1	Apache-2.0
libxml2-2	2.9.4-46.75.1	MIT
libxmlsec1-1	1.2.37-8.12.2	MIT
libxmlsec1-openssl1	1.2.37-8.12.2	MIT
libxslt1	1.1.28-17.15.1	LGPL-2.1-or-later
libxtables10	1.4.21-6.1	GPL-2.0 and Artistic-2.0
libz1	1.2.11-11.37.1	Zlib
libzio1	1.00-9.188	GPL-2.0+
libzypp	16.22.13-65.3	GPL-2.0-or-later
logrotate	3.11.0-2.20.1	GPL-2.0-or-later
lsb-release	2.0-28.1	GPL-2.0+
lsof	4.89-27.5.1	Zlib
lvm2	2.02.180-9.18.1	GPL-2.0-or-later AND LGPL-2.1-or-later AND GPL-3.0-or-later
m4	1.4.16-15.74	GPL-3.0+
mozilla-nspr	4.35-19.29.1	MPL-2.0
mozilla-nss	3.90.2-58.111.1	MPL-2.0
mozilla-nss-certs	3.90.2-58.111.1	MPL-2.0
mozilla-nss-tools	3.90.2-58.111.1	MPL-2.0
ncurses-utils	5.9-88.1	MIT
net-tools	1.60-765.5.4	GPL-2.0+
netcfg	11.5-29.1	BSD-3-Clause
ntp	4.2.8p17-103.1	BSD-3-Clause AND MIT AND BSD-4-Clause AND GPL-2.0-only
open-vm-tools	12.3.0-4.62.1	BSD-3-Clause AND GPL-2.0-only AND LGPL-2.1-only
openssh	7.2p2-81.17.1	BSD-2-Clause AND MIT
openssh-fips	7.2p2-81.17.1	BSD-2-Clause AND MIT
openssl	1.0.2p-1.13	OpenSSL
openssl-1_0_0	1.0.2p-3.95.1	OpenSSL
p11-kit	0.23.2-8.10.1	BSD-3-Clause
p11-kit-tools	0.23.2-8.10.1	BSD-3-Clause
pam	1.1.8-24.56.1	BSD-3-Clause OR GPL-2.0-or-later
pam-config	0.89-5.3.2	GPL-2.0-only
parted	3.1-37.19	GPL-3.0+
perl	5.18.2-12.26.1	Artistic-1.0 OR GPL-2.0-or-later
perl-Bootloader	0.923-1.7	GPL-2.0-or-later
perl-Digest-HMAC	1.03-18.16	GPL-1.0+ or Artistic-1.0
perl-Digest-SHA1	2.13-17.216	Artistic-1.0
perl-Net-DNS	0.73-4.1	Artistic-1.0 or GPL-1.0+

perl-XML- NamespaceSupport	1.11-21.13	Artistic-1.0
perl-XML-Parser	2.41-21.140	GPL-1.0+ or Artistic-1.0
perl-XML-SAX	0.99-22.8	GPL-1.0+ or Artistic-1.0
perl-XML-SAX-Base	1.08-8.20	GPL-1.0+ or Artistic-1.0
perl-XML-SAX-Expat	0.50-3.8	GPL-1.0+ or Artistic-1.0
perl-XML-Simple	2.20-4.2	Artistic-1.0 or GPL-1.0+
perl-base	5.18.2-12.26.1	Artistic-1.0 OR GPL-2.0-or-later
permissions	20170707-6.13.1	GPL-2.0-or-later
pigz	2.3-5.1	Zlib
pinentry	0.8.3-4.27	GPL-2.0+
pkg-config	0.28-6.98	GPL-2.0+
postgresql	17-4.29.1	PostgreSQL
postgresql-jdbc	9.4-3.12.1	BSD-3-Clause
postgresql-server	17-4.29.1	PostgreSQL
postgresql10	10.22-4.31.1	PostgreSQL
postgresql10-server	10.22-4.31.1	PostgreSQL
procps	3.3.9-11.27.1	GPL-2.0-or-later AND LGPL-2.1-or-later
python-base	2.7.18-33.35.1	Python-2.0
python-bind	9.11.22-3.57.1	MPL-2.0
python-libxml2	2.9.4-46.75.1	MIT
python-ply	3.4-3.3.1	BSD-3-Clause
python36	3.6.15-67.1	Python-2.0
python36-base	3.6.15-67.1	Python-2.0
python3	3.4.10-25.139.1	Python-2.0
python3-base	3.4.10-25.139.1	Python-2.0
python3-packaging	17.1-2.7.1	Apache-2.0
python3-pyparsing	2.2.0-3.3.1	MIT and GPL-2.0+ and GPL-3.0+
python3-setuptools	40.6.2-4.24.1	Python-2.0 OR ZPL-2.0
python3-six	1.14.0-13.10.3	MIT
rabbitmq-server	3.11.2-1.suse	MPLv2.0 and MIT and ASL 2.0 and BSD
rpm	4.11.2-16.26.1	GPL-2.0-or-later
rsyslog	8.2106.0-8.5.2	Apache-2.0 AND GPL-3.0-or-later
sed	4.2.2-7.3.1	GPL-3.0+
shadow	4.2.1-36.15.1	BSD-3-Clause AND GPL-2.0-or-later
sles-release	12.5-1.171	GPL-2.0+
sles-release-DVD	12.5-1.171	BSD-3-Clause
socat	1.7.2.4-3.1	SUSE-GPL-2.0-with-openssl-exception and MIT
strace	4.10-3.1	BSD-3-Clause
sudo	1.8.27-4.48.2	ISC
supervisor	4.2.4-3.1	SUSE-Repoze
SuSEfirewall2	3.6.312.333-3.13.1	GPL-2.0

supportutils	3.0.11-95.54.1	GPL-2.0
suse-module-tools	12.13-3.11.1	GPL-2.0-or-later
sysconfig	0.84.0-13.1	GPL-2.0+
sysconfig-netconfig	0.84.0-13.1	GPL-2.0+
sysfsutils	2.1.0-151.65	LGPL-2.1+
syslog-service	2.0-778.1	GPL-2.0+
systemd	228-157.52.1	LGPL-2.1-or-later
systemd-presets-branding-SLE	12.2-10.3.1	ISC
systemd-sysvinit	228-157.52.1	LGPL-2.1-or-later
sysvinit-tools	2.88+-101.3.1	GPL-2.0-or-later
tar	1.27.1-15.24.1	GPL-3.0-or-later
terminfo-base	5.9-88.1	MIT
timezone	2019b-74.26.1	BSD-3-Clause AND SUSE-Public-Domain
tomcat	9.0.36-3.133.1	Apache-2.0
tomcat-el-3_0-api	9.0.36-3.133.1	Apache-2.0
tomcat-jsp-2_3-api	9.0.36-3.133.1	Apache-2.0
tomcat-lib	9.0.36-3.133.1	Apache-2.0
tomcat-servlet-4_0-api	9.0.36-3.133.1	Apache-2.0
ucode-amd	20190618-5.37.1	GPL-2.0-only AND SUSE-Firmware AND GPL-2.0-or-later AND MIT
ucode-intel	20241112-146.1	SUSE-Firmware
udev	228-157.52.1	GPL-2.0-only
unzip	6.00-33.16.1	BSD-3-Clause
update-alternatives	1.18.4-16.3.5	GPL-2.0-or-later
util-linux	2.33.2-4.36.1	GPL-2.0-or-later
util-linux-systemd	2.33.2-4.36.1	GPL-2.0-or-later
vim	9.1.0330-17.33.1	Vim
vim-data-common	9.1.0330-17.33.1	Vim
wget	1.14-21.19.1	GPL-3.0-or-later
which	2.20-3.180	GPL-3.0+
wicked	0.6.60-3.8.1	GPL-2.0
wicked-service	0.6.60-3.8.1	GPL-2.0
xtables-plugins	1.4.21-6.1	GPL-2.0 and Artistic-2.0
xz	5.0.5-6.7.1	GPL-2.0-or-later AND LGPL-2.1-or-later AND SUSE-Public-Domain
zip	3.0-16.3.1	BSD-3-Clause
zypper	1.13.67-21.64.1	GPL-2.0-or-later



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### **libext2fs-devel**

This is the Debian GNU/Linux prepackaged version of the EXT2 file system utilities (e2fsck, mke2fs, etc.). The EXT2 utilities were written by Theodore Ts'o

<tytso@mit.edu> and Remy Card <card@masi.ibp.fr>.

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

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Component Name	Component Version	License Name
acl	2.2.52-7.3.1	GPL-2.0-or-later AND LGPL-2.1-or-later
kmod	25-3.4.1	LGPL-2.1-or-later AND GPL-2.0-or-later
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libgcrypt20	1.6.1-16.77.1	GPL-2.0-or-later AND LGPL-2.1-or-later
libgpg-error0	1.29-1.3	GPL-2.0-or-later AND LGPL-2.1-or-later
libkmod2	25-3.4.1	LGPL-2.1-or-later
libmount1	2.33.2-4.36.1	LGPL-2.1-or-later
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libsemanage1	2.5-9.3.1	LGPL-2.1-or-later
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tomcat-el-3_0-api	9.0.36-3.133.1	Apache-2.0
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```

```
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* National Center for Supercomputing Applications
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* 605 E. Springfield, Champaign, IL 61820
* httpd@ncsa.uiuc.edu
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*
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```

```
*/
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```
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```

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```
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           =====
```

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

Thanks to the following people for their input:

Mike Belshe (mbelshe@netscape.com)

Michael Campanella (campanella@stevms.enet.dec.com)

```
*/
```

For the expat xml parser component:

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From native/common/ap\_snprintf.c:

\*

\* cvt - IEEE floating point formatting routines.

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From strings/apr\_fnmatch.c, include/apr\_fnmatch.h, misc/unix/getopt.c, file\_io/unix/mktemp.c, strings/apr\_strings.c:

```
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```

From network\_io/unix/inet\_ntop.c, network\_io/unix/inet\_pton.c:

```

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```

From dso/aix/dso.c:

```

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```

From strings/apr\_strnatcmp.c, include/apr\_strings.h:

```
strnatcmp.c -- Perform 'natural order' comparisons of strings in C.  
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```

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```
From strings/apr_snprintf.c:
```

```
*  
* cvt - IEEE floating point formatting routines.  
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```
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```
*/
/*
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* -----
*/
```

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```

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```

For the xml\expat\confertools\install-sh component:

```

#
# install - install a program, script, or datafile
# This comes from X11R5 (mit/util/scripts/install.sh).
#
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```
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libassuan0	2.1.1-3.217	GPL-3.0+ and LGPL-2.1+
libattr1	2.4.47-3.143	GPL-2.0+ and LGPL-2.1+
libaudit1	2.8.1-10.3.2	LGPL-2.1+
libauparse0	2.8.1-10.3.2	LGPL-2.1+
libcap-ng0	0.7.3-4.125	LGPL-2.1+
libestr0	0.1.9-1.54	LGPL-2.1+
libkeyutils1	1.5.9-3.29	GPL-2.0+ and LGPL-2.1+
libltdl7	2.4.2-17.4.1	LGPL-2.1+
libmnl0	1.0.3-9.18	LGPL-2.1+
libmodman1	2.0.1-15.75	LGPL-2.1+
libproxy1	0.4.13-18.3.1	GPL-2.0+ and LGPL-2.1+
libpth20	2.0.7-140.1	LGPL-2.1+
libqrencode3	3.4.3-1.31	LGPL-2.1+
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libusb-1_0-0	1.0.20-5.3	LGPL-2.1+
libustr-1_0-1	1.0.4-31.197	MIT or LGPL-2.1+ or BSD-2-Clause
libcryptsetup12	2.0.5-1.34	SUSE-GPL-2.0-with-openssl-exception AND LGPL-2.0-or-later
sysfsutils	2.1.0-151.65	LGPL-2.1+

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

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

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

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- 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 reforming 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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<signature of Ty Coon>, 1 April 1990

Ty Coon, President of Vice

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## Open Source Components in PPMA

OSS Title/Name	OSS Version	License Name/Version #
bash	4.3-83.23.1	GPL-3.0-or-later
binutils	2.41-9.53.1	GFDL-1.3-only AND GPL-3.0-or-later
coreutils	8.25-13.7.1	GPL-3.0+
cpio	2.11-36.21.1	GPL-3.0-only
device-mapper	1.02.149-9.18.1	GPL-2.0-or-later AND LGPL-2.1-or-later AND GPL-3.0-or-later
diffutils	3.3-5.40	GFDL-1.2 and GPL-3.0+
dirmngr	1.1.1-13.1	GPL-3.0+
findutils	4.5.12-7.1	GPL-3.0+
gawk	4.1.0-5.3.1	GPL-3.0-or-later
gettext-runtime	0.19.2-3.3.6	GPL-3.0-or-later AND LGPL-2.0-or-later
gpg2	2.0.24-9.14.1	GPL-3.0-or-later
grep	2.16-3.1	GPL-3.0+
grub2	2.02-169.1	GPL-3.0-or-later
grub2-i386-pc	2.02-169.1	GPL-3.0-or-later
gzip	1.10-4.14.1	GPL-3.0-or-later
info	4.13a-37.229	GPL-3.0+
less	458-7.15.1	BSD-2-Clause OR GPL-3.0-or-later
libassuan0	2.1.1-3.217	GPL-3.0+ and LGPL-2.1+
libaugeas0	1.10.1-2.6	GPL-3.0-or-later AND LGPL-2.1-or-later

Chapter 2: Open Source Licenses

libctf-nobfd0	2.41-9.53.1	GFDL-1.3-only AND GPL-3.0-or-later
libctf0	2.41-9.53.1	GFDL-1.3-only AND GPL-3.0-or-later
libgcc_s1	13.2.1+git7813-1.10.1	GPL-3.0-or-later WITH GCC-exception-3.1
libgdbm4	1.10-9.70	GPL-3.0+
libgmp10	5.1.3-4.3.1	GPL-3.0-or-later AND LGPL-3.0-or-later
libidn11	1.28-5.6.1	(GPL-2.0-or-later OR LGPL-3.0-or-later) AND GPL-3.0-or-later
libksba8	1.3.0-24.6.1	(GPL-2.0-or-later OR LGPL-3.0-or-later) AND GPL-3.0-or-later AND MIT
libparted0	3.1-37.19	GPL-3.0+
libreadline6	6.3-83.23.1	GPL-3.0-or-later
libstdc++6	13.2.1+git7813-1.10.1	GPL-3.0-or-later WITH GCC-exception-3.1
libtasn1	4.9-3.13.1	GPL-3.0-only AND LGPL-2.1-or-later
libtasn1-6	4.9-3.13.1	GPL-3.0-only AND LGPL-2.1-or-later
lvm2	2.02.180-9.18.1	GPL-2.0-or-later AND LGPL-2.1-or-later AND GPL-3.0-or-later
m4	1.4.16-15.74	GPL-3.0+
parted	3.1-37.19	GPL-3.0+
python3-pyparsing	2.2.0-3.3.1	MIT and GPL-2.0+ and GPL-3.0+
rsyslog	8.2106.0-8.5.2	Apache-2.0 AND GPL-3.0-or-later
sed	4.2.2-7.3.1	GPL-3.0+
tar	1.27.1-15.24.1	GPL-3.0-or-later
wget	1.14-21.19.1	GPL-3.0-or-later
which	2.20-3.180	GPL-3.0+

## GPL-3.0

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Version 3, 29 June 2007

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xmlsec-openssl library

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libldap-2_4-2	2.4.41-22.19.1	OLDAP-2.8
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liblzma5	5.0.5-6.7.1	SUSE-Public-Domain
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Written by: Philip Hazel  
 Email local part: ph10  
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| lsof           | 4.89-27.5.1    | Zlib                   |
| pigz           | 2.3-5.1        | Zlib                   |

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| postgresql-server   | 17-4.29.1    | PostgreSQL             |
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| libpython3_6m1_0 | 3.6.15-67.1     | Python-2.0             |
| python-base      | 2.7.18-33.35.1  | Python-2.0             |
| python36         | 3.6.15-67.1     | Python-2.0             |
| python36-base    | 3.6.15-67.1     | Python-2.0             |
| python3          | 3.4.10-25.139.1 | Python-2.0             |
| python3-base     | 3.4.10-25.139.1 | Python-2.0             |

## Python License

### A. HISTORY OF THE SOFTWARE

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

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

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

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

| Release        | Derived from | Year compatible? | Owner (1)  | GPL- |
|----------------|--------------|------------------|------------|------|
| 0.9.0 thru 1.2 |              | 1991-1995        | CWI        | yes  |
| 1.3 thru 1.5.2 | 1.2          | 1995-1999        | CNRI       | yes  |
| 1.6            | 1.5.2        | 2000             | CNRI       | no   |
| 2.0            | 1.6          | 2000             | BeOpen.com | no   |

|               |           |          |      |         |
|---------------|-----------|----------|------|---------|
| 1.6.1         | 1.6       | 2001     | CNRI | yes (2) |
| 2.1           | 2.0+1.6.1 | 2001     | PSF  | no      |
| 2.0.1         | 2.0+1.6.1 | 2001     | PSF  | yes     |
| 2.1.1         | 2.1+2.0.1 | 2001     | PSF  | yes     |
| 2.1.2         | 2.1.1     | 2002     | PSF  | yes     |
| 2.1.3         | 2.1.2     | 2002     | PSF  | yes     |
| 2.2 and above | 2.1.1     | 2001-now | PSF  | yes     |

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|       |                |      |
|-------|----------------|------|
| libz1 | 1.2.11-11.37.1 | Zlib |
|-------|----------------|------|

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```
/* zlib.h -- interface of the 'zlib' general purpose compression library version 1.2.11,
January 15th, 2017
```

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

```
*/
```

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|     |                |                                                          |
|-----|----------------|----------------------------------------------------------|
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  46. [50]Wilfredo Sanchez <wsanchez@apple.com> added support for NetInfo
  47. [51]Nick Sayer <mrapple@quack.kfu.com> SunOS streams modules
  48. [52]Jack Sasportas <jack@innovativeinternet.com> Saved a Lot of space on the stuff in the html/pic/ subdirectory
  49. [53]Ray Schnitzler <schnitz@unipress.com> Unixware1 port
  50. [54]Michael Shields <shields@tembel.org> USNO clock driver
  51. [55]Jeff Steinman <jss@pebbles.jpl.nasa.gov> Datum PTS clock driver
  52. [56]Harlan Stenn <harlan@pfcs.com> GNU automake/autoconfigure makeover, various other bits (see the ChangeLog)
  53. [57]Kenneth Stone <ken@sdd.hp.com> HP-UX port
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  57. [61]Loganaden Velvindron <loganaden@gmail.com> Sandboxing (libseccomp) support
  58. [62]Paul A Vixie <vixie@vix.com> TrueTime GPS driver, generic TrueTime clock driver
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```

```
<signature of Ty Coon>, 1 April 1989
Ty Coon, President of Vice
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|------------|-----------|--------------|
| python-ply | 3.4-3.3.1 | BSD-3-Clause |
|------------|-----------|--------------|

PLY (Python Lex-Yacc)                      Version3.4

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| ucode-amd       | 20190618-5.37.1 | GPL-2.0-only AND SUSE-Firmware AND GPL-2.0-or-later AND MIT |
| ucode-intel     | 20241112-146.1  | SUSE-Firmware                                               |

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|-----|------------------|-----|
| vim | 9.1.0330-17.33.1 | Vim |
|-----|------------------|-----|

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\*uganda.txt\* For Vim version 7.2. Last change: 2008 Jun 21

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|.

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1) This license text must be included unmodified.

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(b) If you have received a modified Vim that was distributed as mentioned under a) you are allowed to further distribute it unmodified, as mentioned at I). If you make additional changes the text under a) applies to those changes.

(c) Provide all the changes, including source code, with every copy of the modified Vim you distribute. This may be done in the form of a context diff. You can choose what license to use for new code you add. The changes and their license must not restrict others from making their own changes to the official version of Vim.

(d) When you have a modified Vim which includes changes as mentioned under c), you can distribute it without the source code for the changes if the following three conditions are met:

- The license that applies to the changes permits you to distribute the changes to the Vim maintainer without fee or restriction, and permits the Vim maintainer to include the changes in the official version of Vim without fee or restriction.
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4) The contact information as required under 2)a) and 2)d) must not be removed or changed, except that the person himself can make corrections.

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IV) It is not allowed to remove this license from the distribution of the Vim sources, parts of it or from a modified version. You may use this license for previous Vim releases instead of the license that they came with, at your option.

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.

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Kibaale Children's Centre

\*kcc\* \*Kibaale\* \*charity\*

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

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

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

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

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

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

\*donate\*

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

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

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

How do you know that the money will be spent right? First of all you have my personal guarantee as the author of Vim. I trust the people that are working at the centre, I know them personally. Further more, the centre is co-sponsored and inspected by World Vision, Save the Children Fund and International Child Care Fund. The centre is visited about once a year to check the progress (at our own cost). I have visited the centre myself in 1996, 1998, 2000, 2001 and 2003. 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 Venlo. 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](https://www.paypal.com/en_US/mrb/pal=XAC62PML3GF8Q)

The e-mail address for sending the money to is:  
[Bram@iccf-holland.org](mailto: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", Venlo

If that doesn't work:  
Rabobank Venlo, account 3765.05.117  
Swift code: RABO NL 2U  
under the name "Bram Moolenaar", Venlo  
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.

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|                 |              |                                     |
|-----------------|--------------|-------------------------------------|
| rabbitmq-server | 3.11.21.suse | MPLv2.0 and MIT and ASL 2.0 and BSD |
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