

Sangoma Phone EULA 2021.07.26

END-USER LICENSE AGREEMENT FOR SANGOMA PHONE SOFTWARE AND SANGOMA PHONES

July 2021

IMPORTANT – PLEASE READ CAREFULLY

1.1 Definitions

Affiliate means an entity which is (a) directly or indirectly controlling Sangoma; or (b) which is directly or indirectly owned or controlled by Sangoma.

Original Sangoma Phone Software means the software, sounds (for example, ringtones), interfaces, content, fonts, documentation, and any data that are delivered with Sangoma Phones.

Sangoma Phones means Sangoma manufactured and branded phones which are hardware devices (inclusive of the Sangoma Phone Software).

Sangoma Phone Software collectively means both the Original Sangoma Phone Software and any Sangoma Phone Software Updates.

Sangoma Phone Software Updates means updates or replacements provided by Sangoma for the Original Sangoma Phone Software in the form of feature enhancements, software updates, bug fixes, upgrades, otherwise modified versions of the Original Sangoma Phone Software, or system restore software provided by Sangoma, whether in read only memory or on any other media or in any other form.

Sangoma means both Sangoma Technologies, Inc. and Sangoma's Affiliates.

You, you or your means collectively the licensee, purchaser, and end user.

1.2 This End-User License Agreement (the "Agreement" or "EULA") is a legal agreement between Sangoma and You regarding the license terms of the Original Sangoma Phone Software, the Sangoma Phone Software Updates and the terms of use for Sangoma Phones. By using a Sangoma Phone or downloading a Sangoma Phone Software Update, as applicable, you are agreeing to be bound by the terms of this Agreement. If you do not agree to the terms of this Agreement you may return the Sangoma Phone, subject to the time limitations, unopened requirement, and other restrictions of Sangoma's then current Warranty, Return, and Shipping Policy. Copies of Sangoma's Warranty, Return, and Shipping Policy may both be found on www.sangoma.com/legal and the terms are incorporated herein by reference.

2. GRANT OF LICENSE. The Sangoma Phone Software is licensed, not sold, to you by Sangoma for use only under the terms of this Agreement. Subject to the terms and conditions of this Agreement, Sangoma grants you a non-exclusive, non-sublicenseable, non-transferable license to use the Sangoma Phone Software for internal business purposes and not for resale, sub-license, or leasing. Notwithstanding the foregoing, Sangoma acknowledges that certain components of the Sangoma Phone Software may be covered by so-called "open source" software licenses ("Open Source Components"). Sangoma will provide a list of Open Source Components for the particular version of the Sangoma Phone Software you are using upon your request. To the extent required by the licenses covering Open Source Components, the terms of such licenses will apply in lieu of the terms of this Agreement, and Sangoma hereby represents that only Open Source Components with licenses that intend to grant permissions no less broad than the license granted in this Section 2 are included in the Sangoma Phone Software. To the extent which the licenses applicable to an Open Source Component prohibit any of the restrictions in this Agreement with respect to such Open Source Component, such restrictions will not apply. A list of the licenses under which the Open Source Components are made available is provided in Exhibit A and those terms are incorporated herein by reference.

Sangoma respects your privacy. Please read the following statement that applies to data collected by Sangoma through the Sangoma Phone. The Sangoma Phone may collect a variety of information including but not limited to server and software configuration information and reports that to Sangoma's server on boot for the purpose of improving the performance of the Sangoma Phone. This information may be stored by Sangoma perpetually. Sangoma may share and disclose the foregoing information in an aggregated form in order to describe Sangoma's services to prospective and existing partners, advertisers, or other third parties, and for other lawful purposes. The aggregated information will not be linked to any personal information that can identify any individual person or company. The following information is excluded from being collected pursuant to the foregoing: call logs, call recording details, login and logout activity, extension details such as name, address, and password, SIP provider details such as username and password, contact entries for names and phone numbers, administrative-user information, and audio files. Additional information pertaining to your privacy rights can be found in the Sangoma Privacy Policy, available at www.sangoma.com/legal and the terms of which are incorporated herein by reference.

3. RESERVATION OF RIGHTS. Except for the limited license rights expressly granted in this Agreement, Sangoma reserves all rights in and to the Sangoma Phone Software and any modifications thereto, including title, ownership, trademark, copyright, patent, trade secret and any other rights and interests. You will own only the hardware of the Sangoma Phone (exclusive of Sangoma Phone Software embedded in the hardware) and the physical media on which the Sangoma Phone Software and associated documentation are reproduced and distributed. Sangoma Phones that are provided or sold as demo or evaluation units, or are marked with the legend "For Evaluation Only" or a similar notation, are not authorized for commercial business use in production or deployment, but are made available only for demonstration or evaluation purposes, and may not be resold or transferred to any third party without prior written permission from Sangoma.

4. EMERGENCY CALLS. You understand and acknowledge that Sangoma Phones may be used to implement, supplement, or replace telephone systems and telecommunications services, and that in some cases, certain government regulations may apply to their

implementation or use; and compliance with such regulations is your sole responsibility. You understand and acknowledge that users of the system in which you install Sangoma Phones may attempt to use that system to place emergency calls. You acknowledge and agree that: the Sangoma Phones must be properly configured for your system or application; that the nature of the Sangoma Phone and any networks the Sangoma Phone may operate upon allow many possible configurations; that such configuration may be beyond the scope of the documentation supplied with the Sangoma Phones; and that specialized experience and training may be required to properly configure the Sangoma Phones. You acknowledge and agree that it is your sole responsibility to ensure that the Sangoma Phone and associated networks and systems are implemented and configured such that emergency calls are properly handled, and that any system or application using the Sangoma Phones complies with all applicable laws and regulations. You acknowledge and agree that telephone and telecommunications systems can be complex and must be installed, implemented, and configured by the appropriate technically qualified personnel, and that you or your authorized agents have the qualifications necessary to properly implement and configure the Sangoma Phone to handle emergency calls, if applicable. You further acknowledge and agree that it is your sole and ongoing responsibility to ensure the proper operation of any emergency calling system that is providing service to the Sangoma Phone, including, but not limited to: initially and regularly testing the operation of the Sangoma Phone, including testing the operation with emergency services; notifying and training all users of any system on which the Sangoma Phone are installed how to use the system for emergency calls; and notifying such users of any and all limitations of your configuration and implementations of the Sangoma Phone Software and any network or system the Sangoma Phones are used on or with. By using Sangoma Phones under this Agreement, you explicitly release Sangoma from any warranty, duty, liability, or obligation to train you or any users of your system regarding the proper configuration, operation, or use on any system or network it is used in conjunction with on which it is installed; to ensure that your configuration, implementation, or use of Sangoma Phones provides for the proper handling or routing of emergency calls; or to ensure that your use of Sangoma Phones is in compliance with any applicable laws and regulations.

5. LIMITATION OF LIABILITY.

To the maximum extent permitted by law, Sangoma and its suppliers are not liable under any contract, negligence, strict liability or other legal or equitable theory for any loss of use of Sangoma Phones, inconvenience or indirect damages of any character, including but not limited to damages for copyright or patent infringement, whether special, incidental or consequential (including, but not limited to, loss of revenue or profit, work stoppage, computer failure or malfunction, failure of connected equipment or programs, loss of information or data or loss of goodwill) resulting from the use of Sangoma Phones, relating to warranty service, or arising out of any breach of this Agreement, even if Sangoma or its suppliers have been advised of the possibility of such damages. The sole remedy for a breach of the foregoing limited warranty is repair, replacement or refund of the defective or non-conforming Sangoma Phone. The maximum liability of Sangoma under this Agreement is limited to the purchase price of the Sangoma Phones which are the subject of the dispute. The foregoing express written warranties and remedies are exclusive and in lieu of any other warranties or remedies, express, implied or statutory.

6. WARRANTY AND RETURN

The terms under which Sangoma Phones are warranted and able to be returned are defined in the Sangoma Warranty, Return, and Shipping Policy, which is available on www.sangoma.com/legal, the terms of which are included herein and incorporated by this reference. Sangoma reserves the right to update Sangoma's Warranty, Return, and Shipping Policy. The version of the Warranty, Return, and Shipping Policy that is current as of the date of Your purchase of Sangoma Phone is the version that applies to You.

6.1 WARRANTY DISCLAIMER

EXCEPT FOR THE WARRANTY EXPLICITLY SET FORTH ON WWW.SANGOMA.COM/LEGAL TO THE MAXIMUM EXTENT ALLOWED BY APPLICABLE LAW, NEITHER SANGOMA, NOR ITS THIRD-PARTY LICENSORS OR SUPPLIERS, NOR ITS DIRECTORS, OFFICERS, EMPLOYEES, OR AFFILIATES MAKE ANY REPRESENTATIONS OR WARRANTIES OF ANY KIND TO YOU OR ANY END USER, EITHER EXPRESS OR IMPLIED, INCLUDING, BUT NOT LIMITED TO WARRANTIES OR REPRESENTATIONS OF MERCHANTABILITY, FITNESS FOR A PARTICULAR PURPOSE, OR NON-INFRINGEMENT, EXCEPT TO THE EXTENT OTHERWISE SPECIFICALLY AGREED IN WRITING BY SUCH PERSON OR ENTITY. TO THE MAXIMUM EXTENT ALLOWED BY APPLICABLE LAW, IN NO EVENT SHALL SANGOMA, ITS THIRD PARTY LICENSORS OR SUPPLIERS, NOR ITS DIRECTORS, OFFICERS, EMPLOYEES, AFFILIATES OR LICENSORS BE LIABLE TO YOU FOR ANY INCIDENTAL DAMAGES, CONSEQUENTIAL DAMAGES, OR ECONOMIC DAMAGE OR INJURY TO PROPERTY, INCLUDING LOST PROFITS OR LOST REVENUES, WHETHER BASED ON CONTRACT, TORT (INCLUDING NEGLIGENCE) OR OTHER THEORY AND REGARDLESS OF WHETHER SUCH PERSON OR ENTITY SHALL BE ADVISED OR HAVE REASON TO KNOW OF THE POSSIBILITY OF SUCH DAMAGES, EXCEPT TO THE EXTENT OTHERWISE AGREED IN WRITING BY SUCH PERSON OR ENTITY. SOME COUNTRIES, STATES, OR PROVINCES DO NOT ALLOW FOR THE EXCLUSION OF IMPLIED WARRANTIES OR THE LIMITATION OF INCIDENTAL OR CONSEQUENTIAL DAMAGES FOR CERTAIN PRODUCTS APPLIED TO CONSUMERS, OR THE LIMITATION FOR PERSONAL INJURY, SO THE ABOVE LIMITATIONS AND EXCLUSIONS MAY BE LIMITED IN THEIR APPLICATION TO YOU. IF THE IMPLIED WARRANTIES ARE NOT ALLOWED TO BE EXCLUDED IN THEIR ENTIRETY, THEY WILL BE LIMITED TO THE DURATION OF SANGOMA'S WARRANTY IN THE WARRANTY, RETURN, AND SHIPPING POLICY AVAILABLE ON WWW.SANGOMA.COM/LEGAL.

7. PROPRIETARY WORKS. Sangoma Phones contain trademarks, trade secrets and/or copyrighted materials of Sangoma or its suppliers.

7.1 You agree not to reverse engineer, decompile, or disassemble Sangoma Phones, nor defeat, bypass, remove or otherwise interfere with any licensing mechanism which may be provided in or with the Sangoma Phone Software, except to the extent such restriction is expressly prohibited by applicable law or as permitted by the licensing terms governing the Open Source Components. You shall not disclose or make available such trade secrets or copyrighted material (including any information pertaining to any licensing mechanism which may be provided in or with the Sangoma Phone Software) in any form to any third party nor remove any trademark notices, copyright notices, or licensing terms from Sangoma Phones or any components therein. Title and intellectual property rights in and to Sangoma trademarks and Sangoma copyrighted material which appears in content displayed by or accessed through the Sangoma Phone Software belongs to Sangoma. This Agreement does not grant you any rights to use such trademarks or copyrighted material nor does it guarantee that such content will continue to be available to you.

7.2 You will not (except with regard to fair use or nominative use) without Sangoma's written consent, use the name, trademarks, trade names or logos of Sangoma, or the name of any product or service of Sangoma, in any manner. If Sangoma grants you a right to use the aforementioned, you will do so only in strict compliance with Sangoma trademark policies.

8. TERMINATION. This Agreement shall terminate upon either destruction of Your Sangoma Phones or return of Your Sangoma Phones to Sangoma or Sangoma's authorized channel partner from whom you purchased the Sangoma Phone. In the event of a breach of the scope of use permitted by the grant in Section 2, or if you do not comply with other material terms and conditions of this Agreement, Sangoma shall

have the right to immediately terminate this Agreement, in which case you must promptly destroy or return Your Sangoma Phones to Sangoma. Notwithstanding the foregoing, the provisions of Sections 5, 6, 7, 8, 9, 10, 11, 12 and 13 shall survive termination of this Agreement.

9. EXPORT RESTRICTION AND COMPLIANCE WITH ALL APPLICABLE LAWS. You acknowledge that Sangoma Phones, with the possible exception of certain third-party components, are of United States origin. The export and re-export of Sangoma Phones are controlled by the United States Export Administration Regulations and Sangoma Phones may not be exported or re-exported to any country to which the United States embargoes goods. In addition, Sangoma Phones may not be distributed to persons on the Table of Denial Orders, the Entity List, or the List of Specially Designated Nationals. By downloading Sangoma Phone Software or using a Sangoma Phone, you are certifying that you are not a national of an embargoed country to which the United States embargoes goods and that you are not a person on the Table of Denial Orders, the Entity List or the List of Specially Designated Nationals. You also agree that you will not use Sangoma Phones for any purposes prohibited by United States law. You agree to use Sangoma Phones in compliance with all applicable laws, including local laws of the country or region in which you reside or you download the Sangoma Phone Software or use Sangoma Phones.

10. TRANSFER AND ASSIGNMENT. This Agreement and the rights and obligations under it are not assignable by you without the prior written approval of Sangoma, voluntarily or by operation of law. Any attempt by you to assign this Agreement without such approval shall be void. This Agreement shall inure to the benefit of the successors and assigns of Sangoma.

11. U.S. GOVERNMENT USERS. Sangoma Phones and their documentation qualify as "commercial items" as defined at 48 C.F.R. 2.101 and 48 C.F.R. 12.212. All Government users acquire Sangoma Phones and documentation with only those rights herein that apply to non-governmental customers of Sangoma.

12. GOVERNING LAW AND JURISDICTION AND DISPUTE RESOLUTION. This Agreement shall be governed by and construed under the laws of the USA, and to the extent no federal law applies, the laws of the Province of Ontario, Canada. Forum, jurisdiction, and venue shall be determined in accordance with such law. If permitted by applicable law, Sangoma and you hereby expressly waive any right to a trial by jury and consent to a bench trial in the event of a dispute. Sangoma and you agree to attempt to resolve any dispute by direct communication between representatives of each party who are authorized to finally resolve the dispute prior to filing any legal action against the other party. The parties agree to attempt to resolve the dispute within fourteen (14) days of notice of the dispute having been provided to the party not invoking this clause and agree not to resort to legal action, other than injunctions, during the fourteen day dispute resolution period. The United Nations Convention on International Sale of Goods, the application of which is expressly excluded, does not govern this Agreement.

13. ENTIRE AGREEMENT. This Agreement constitutes the entire understanding between the parties relating to the subject matter hereof and supersedes all prior writings, negotiations or understandings with respect thereto. The provisions of this Agreement shall take precedence over any conflicting terms in any subsequent purchase order, documentation or collateral. The parties agree that this Agreement may be executed electronically and that electronic copies of this Agreement shall be binding upon the parties. If any provision of this EULA is held to be void, invalid, unenforceable or illegal, the other provisions shall continue in full force and effect.

EXHIBIT A- OPEN SOURCE COMPONENT LICENSES

1. OPEN SOURCE LICENSES. Sangoma acknowledges that the Sangoma Phone Software contains some Open Source Components which are licensed for distribution under so-called "open source" distribution licenses, and includes the licenses for these Open Source Components in compliance with the license terms.

You may obtain distribution media containing the source code for Open Source Components whose licenses mandate that Sangoma provide source code upon request by contacting Sangoma sales via:

Postal Service:
Sangoma US
Sales Department
445 Jan Davis Drive NW
Huntsville, AL 35806
Or by using the contact sales form available at URL: <http://www.sangoma.com>
Or by calling Sangoma sales at +1 (256) 428-6262

Via any of these means, you may order a product code that we will provide to you, and this will be shipped to you after payment of a price no more than Sangoma's reasonable cost in physically performing the conveying of this source code. Orders placed via electronic mail must be paid via a Sangoma-accepted credit card; orders via postal service can be paid either via credit card or a check drawn on a United States bank.

2. GNU GENERAL PUBLIC LICENSE VERSION 2.0 COMPONENTS. The following components are licensed under version 2.0 of the GNU General Public License (included as [Exhibit A.1](#)).

1. acl
2. alsa-lib
3. alsa-plugins
4. alsa-utils
5. attr
6. autoconf
7. autoconf-archive
8. automake
9. basefiles
10. base-passwd
11. bash-completion

12. busybox
13. ca-certificates
14. dbus
15. debianutils
16. dwarfsrsrcfiles
17. e2fsprogs
18. elfutils
19. ethtool
20. eudev
21. fbv
22. flac
23. freetype
24. glibc
25. gmp
26. gtk-doc
27. init-ifupdown
28. initscripts
29. iproute2
30. iptables
31. iputils
32. kern-tools
33. kmod
34. ldconfig
35. libcap
36. libcap-ng
37. libgpg-error
38. libpam
39. libtool
40. libunistring
41. linux-libc
42. lrzsz
43. lzo
44. lzop
45. makedevs
46. mklibs
47. mtd-utils
48. netbase
49. nettle
50. openvpn
51. opkg
52. opkg-utils
53. perl
54. pkgconfig
55. pps-tools
56. prelink
57. qemu
58. quilt
59. rpm
60. shared-mime-info
61. sysvinit
62. sysvinit-inittab
63. u-boot
64. u-boot-tools
65. update-rc.d
66. util-linux
67. xz

3. GNU GENERAL PUBLIC LICENSE VERSION 3 COMPONENTS. The following components are licensed under version 3 of the GNU General Public License (included as [Exhibit A.2](#)).

1. autoconf
2. autoconf-archive
3. bash
4. bc
5. binutils
6. binutils-cross
7. bison
8. coreutils
9. elfutils
10. findutils
11. gawk
12. gdbm
13. gettext
14. gnu-config

15. gnu-cross
16. gnu-runtime
17. gnutls
18. fperf
19. groff
20. itstool
21. libgcc
22. libgcrypt
23. libidn2
24. m4
25. make
26. patch
27. readline
28. rsync
29. xz

4. GNU LIBRARY GENERAL PUBLIC LICENSE VERSION 2 COMPONENTS. The following components are licensed under version 2 of the GNU Library General Public License (included as [Exhibit A.3](#)).

1. e2fsprogs

5. GNU LESSER GENERAL PUBLIC LICENSE VERSION 2.1 COMPONENTS. The following components are licensed under version 2.1 of the GNU Lesser General Public License (included as [Exhibit A.4](#)).

1. acl
2. alsa-lib
3. alsa-plugins
4. attr
5. cracklib
6. cross-localedef
7. eudev
8. flac
9. gettext
10. glib
11. glibc
12. gnutls
13. kmod
14. libcap-ng
15. libgcrypt
16. libgpg-error
17. libmnl
18. libnsl2
19. libsndfile
20. libtool
21. libubootenv
22. libxcrypt
23. pseudo
24. qemu
25. util-linux
26. xz

6. APACHE LICENSE VERSION 2.0 COMPONENTS. The following components are licensed under Apache License Version 2.02 (included as [Exhibit A.5](#))

1. meson
2. ninja
3. pigz

7. ARTISTIC LICENSE 1.0 COMPONENTS. The following components are licensed under 1.0 of the Artistic License 1.0 (included as [Exhibit A.6](#))

1. shadow
2. shadow-sysroot

9. GNU FREE DOCUMENTATION LICENSE 1.2 COMPONENTS. The following components are licensed under 1.2 of the GNU Free Documentation License (included as [Exhibit A.7](#))

1. flac

10. GNU LESSER GENERAL PUBLIC LICENSE VERSION 3.0 COMPONENTS. The following components are licensed under 3.0 of the GNU Lesser General Public License (included as [Exhibit A.8](#))

1. elfutils
2. gmp
3. libmpc
4. mpfr
5. nettle

11. OTHER OPEN SOURCE LICENSES. The following components are licensed under various licenses, included in their respective Exhibits.

1. alsa-state, [Exhibit A.9](#), MIT (as specified in [Exhibit A.9](#))
2. bind, [Exhibit A.10](#), ISC & BSD (as specified in [Exhibit A.10](#))
3. breakpad, [Exhibit A.11](#), BSD (as specified in [Exhibit A.11](#))
4. busybox, [Exhibit A.12](#), GPLv2 & bzip2 (as specified in [Exhibit A.12](#))
5. bzip2, [Exhibit A.13](#), BSD (as specified in [Exhibit A.13](#))
6. c-areas, [Exhibit A.14](#), MIT (as specified in [Exhibit A.14](#))
7. ca-certificates, [Exhibit A.15](#), MPL (as specified in [Exhibit A.15](#))
8. cmake, [Exhibit A.16](#), BSD (as specified in [Exhibit A.16](#))
9. cross-localedef, [Exhibit A.17](#), BSD (as specified in [Exhibit A.17](#))
10. curl, [Exhibit A.18](#), MIT (as specified in [Exhibit A.18](#))
11. db, [Exhibit A.19](#), Sleepycat (as specified in [Exhibit A.19](#))
12. debianutils, [Exhibit A.20](#), SMAIL GPL (as specified in [Exhibit A.20](#))
13. depmodwrapper, [Exhibit A.21](#), MIT (as specified in [Exhibit A.21](#))
14. dhcp, [Exhibit A.22](#), ISC (as specified in [Exhibit A.22](#))
15. dropbear, [Exhibit A.23](#), MIT, BSD, PD (as specified in [Exhibit A.23](#))
16. e2fsprogs, [Exhibit A.24](#), BSD & MIT (as specified in [Exhibit A.24](#))
17. expat, [Exhibit A.25](#), MIT (as specified in [Exhibit A.25](#))
18. file, [Exhibit A.26](#), BSD (as specified in [Exhibit A.26](#))
19. flac, [Exhibit A.27](#), BSD (as specified in [Exhibit A.27](#))
20. flex, [Exhibit A.28](#), BSD (as specified in [Exhibit A.28](#))
21. gettext-minimal, [Exhibit A.29](#), FSF-Unlimited (as specified in [Exhibit A.29](#))
22. glib-2.0, [Exhibit A.30](#), BSD & PD (as specified in [Exhibit A.30](#))
23. iputils, [Exhibit A.31](#), BSD (as specified in [Exhibit A.31](#))
24. libarchive, [Exhibit A.32](#), BSD (as specified in [Exhibit A.32](#))
25. libbsd, [Exhibit A.33](#), BSD, ISC, PD (as specified in [Exhibit A.33](#))
26. libevent, [Exhibit A.34](#), BSD & MIT (as specified in [Exhibit A.34](#))
27. libffi, [Exhibit A.35](#), MIT (as specified in [Exhibit A.35](#))
28. libjpeg-turbo, [Exhibit A.36](#), BSD (as specified in [Exhibit A.36](#))
29. libogg, [Exhibit A.37](#), BSD (as specified in [Exhibit A.37](#))
30. libpcap, [Exhibit A.38](#), BSD (as specified in [Exhibit A.38](#))
31. libpcre, [Exhibit A.39](#), BSD (as specified in [Exhibit A.39](#))
32. libpcre2, [Exhibit A.40](#), BSD (as specified in [Exhibit A.40](#))
33. libpng, [Exhibit A.41](#), libpng (as specified in [Exhibit A.41](#))
34. libpng12, [Exhibit A.42](#), libpng (as specified in [Exhibit A.42](#))
35. libpthread-stubs, [Exhibit A.43](#), MIT (as specified in [Exhibit A.43](#))
36. libsamplerate0, [Exhibit A.44](#), BSD (as specified in [Exhibit A.44](#))
37. libSDL2, [Exhibit A.45](#), Zlib (as specified in [Exhibit A.45](#))
38. libSOLV, [Exhibit A.46](#), BSD (as specified in [Exhibit A.46](#))
39. libtirpc, [Exhibit A.47](#), BSD (as specified in [Exhibit A.47](#))
40. libvorbis, [Exhibit A.48](#), BSD (as specified in [Exhibit A.48](#))
41. libx11, [Exhibit A.49](#), MIT & MIT-style & BSD (as specified in [Exhibit A.49](#))
42. libxau, [Exhibit A.50](#), MIT-style (as specified in [Exhibit A.50](#))
43. libxcb, [Exhibit A.51](#), MIT (as specified in [Exhibit A.51](#))
44. libxdmcp, [Exhibit A.52](#), MIT-style (as specified in [Exhibit A.52](#))
45. libxext, [Exhibit A.53](#), MIT-style (as specified in [Exhibit A.53](#))
46. libxml2, [Exhibit A.54](#), MIT (as specified in [Exhibit A.54](#))
47. libxrandr, [Exhibit A.55](#), MIT-style (as specified in [Exhibit A.55](#))
48. libxrender, [Exhibit A.56](#), MIT-style (as specified in [Exhibit A.56](#))
49. libxslt, [Exhibit A.57](#), MIT (as specified in [Exhibit A.57](#))
50. lighttpd, [Exhibit A.58](#), BSD (as specified in [Exhibit A.58](#))
51. lldpd, [Exhibit A.59](#), ISC (as specified in [Exhibit A.59](#))
52. modutils-initscripts, [Exhibit A.60](#), Public Domain (as specified in [Exhibit A.60](#))
53. ncurses, [Exhibit A.61](#), MIT (as specified in [Exhibit A.61](#))
54. ntp, [Exhibit A.62](#), BSD (as specified in [Exhibit A.62](#))
55. openldap, [Exhibit A.63](#), OpenLDAP (as specified in [Exhibit A.63](#))

56. openssl, [Exhibit A.64](#), OpenSSL (as specified in [Exhibit A.64](#))
57. os-release, [Exhibit A.65](#), MIT (as specified in [Exhibit A.65](#))
58. pam-plugin-ldapdb, [Exhibit A.66](#), MIT (as specified in [Exhibit A.66](#))
59. pigz, [Exhibit A.67](#), Zlib & Apache-2.0 (as specified in [Exhibit A.67](#))
60. poprt, [Exhibit A.68](#), MIT (as specified in [Exhibit A.68](#))
61. protobuf, [Exhibit A.69](#), BSD (as described in [Exhibit A.69](#))
62. python3, [Exhibit A.70](#), PSFv2 (as described in [Exhibit A.70](#))
63. python3-setuptools, [Exhibit A.71](#), MIT (as described in [Exhibit A.71](#))
64. qemuwrapper, [Exhibit A.72](#), MIT (as specified in [Exhibit A.72](#))
65. re2c, [Exhibit A.73](#), PD (as specified in [Exhibit A.73](#))
66. run-postinsts, [Exhibit A.74](#), MIT (as specified in [Exhibit A.74](#))
67. shadow-securetty, [Exhibit A.75](#), MIT (as specified in [Exhibit A.75](#))
68. speexdsp, [Exhibit A.76](#), BSD (as specified in [Exhibit A.76](#))
69. sqlite3, [Exhibit A.77](#), PD (as specified in [Exhibit A.77](#))
70. tcpdump, [Exhibit A.78](#), BSD (as specified in [Exhibit A.78](#))
71. texinfo-dummy, [Exhibit A.79](#), MIT (as specified in [Exhibit A.79](#))
72. tzcode, [Exhibit A.80](#), PD & BSD (as specified in [Exhibit A.81](#))
73. tzdata, [Exhibit A.81](#), PD & BSD (as specified in [Exhibit A.81](#))
74. unifdef, [Exhibit A.82](#), BSD (as specified in [Exhibit A.82](#))
75. unzip, [Exhibit A.83](#), Info-ZIP (as specified in [Exhibit A.83](#))
76. util-linux, [Exhibit A.84](#), GPLv2+ & LGPLv2.1+ & BSD (as specified in [Exhibit A.84](#))
77. util-macros, [Exhibit A.85](#), MIT & MIT-style (as specified in [Exhibit A.85](#))
78. wpa-suplicant, [Exhibit A.86](#), BSD (as specified in [Exhibit A.86](#))
79. xcb-proto, [Exhibit A.87](#), MIT (as specified in [Exhibit A.87](#))
80. xorgproto, [Exhibit A.88](#), MIT (as specified in [Exhibit A.88](#))
81. xtrans, [Exhibit A.89](#), MIT & MIT-style (as specified in [Exhibit A.89](#))
82. xz, [Exhibit A.90](#), GPLv2+ & GPL-3.0 & LGPLv2.1+ & PD (as specified in [Exhibit A.90](#))
83. zlib, [Exhibit A.91](#), Zlib (as specified in [Exhibit A.91](#))

Exhibit A.1

GNU GENERAL PUBLIC LICENSE Version 2, June 1991

Copyright (C) 1989, 1991 Free Software Foundation, Inc.
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Version 2, June 1991

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

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

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

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

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

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

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

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Version 2.1, February 1999

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We protect your rights with a two-step method: (1) we copyright the library, and (2) we offer you this license, which gives you legal permission to copy, distribute and/or modify the library.

To protect each distributor, we want to make it very clear that there is no warranty for the free library. Also, if the library is modified by

someone else and passed on, the recipients should know that what they have is not the original version, so that the original author's reputation will not be affected by problems that might be introduced by others.

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When a program is linked with a library, whether statically or using a shared library, the combination of the two is legally speaking a combined work, a derivative of the original library. The ordinary General Public License therefore permits such linking only if the entire combination fits its criteria of freedom. The Lesser General Public License permits more lax criteria for linking other code with the library.

We call this license the "Lesser" General Public License because it does Less to protect the user's freedom than the ordinary General Public License. It also provides other free software developers Less of an advantage over competing non-free programs. These disadvantages are the reason we use the ordinary General Public License for many libraries. However, the Lesser license provides advantages in certain special circumstances.

For example, on rare occasions, there may be a special need to encourage the widest possible use of a certain library, so that it becomes a de-facto standard. To achieve this, non-free programs must be allowed to use the library. A more frequent case is that a free library does the same job as widely used non-free libraries. In this case, there is little to gain by limiting the free library to free software only, so we use the Lesser General Public License.

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

Although the Lesser General Public License is Less protective of the users' freedom, it does ensure that the user of a program that is linked with the Library has the freedom and the wherewithal to run that program using a modified version of the Library.

The precise terms and conditions for copying, distribution and modification follow. Pay close attention to the difference between a "work based on the library" and a "work that uses the library". The former contains code derived from the library, whereas the latter must be combined with the library in order to run.

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

(For example, a function in a library to compute square roots has a purpose that is entirely well-defined independent of the application. Therefore, Subsection 2d requires that any application-supplied function or table used by this function must be optional: if the application

does not supply it, the square root function must still compute square roots.)

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

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- * Aaron C. Meadows <cmake@shadowguarddev.com>
- * Adriaan de Groot <groot@kde.org>
- * Aleksey Avdeev <solo@altlinux.ru>
- * Alexander Neundorf <neundorf@kde.org>
- * Alexander Smorkalov <alexander.smorkalov@itseez.com>
- * Alexey Sokolov <sokolov@google.com>
- * Alex Merry <alex.merry@kde.org>
- * Alex Turbov <i.zaufi@gmail.com>
- * Andreas Pakulat <apaku@gmx.de>
- * Andreas Schneider <asn@cryptomilk.org>
- * André Rigland Brodtkorb <Andre.Brodtkorb@ifi.uio.no>
- * Axel Huebl, Helmholtz-Zentrum Dresden - Rossendorf
- * Benjamin Eikel
- * Bjoern Ricks <bjoern.ricks@gmail.com>
- * Brad Hards <bradh@kde.org>
- * Christopher Harvey
- * Christoph Grüninger <foss@grueninger.de>
- * Clement Creusot <creusot@cs.york.ac.uk>
- * Daniel Blezek <blezek@gmail.com>

- * Daniel Pfeifer <daniel@pfeifer-mail.de>
- * Enrico Scholz <enrico.scholz@informatik.tu-chemnitz.de>
- * Eran Ifrah <eran.ifrah@gmail.com>
- * Esben Mose Hansen, Ange Optimization ApS
- * Geoffrey Viola <geoffrey.viola@asirobots.com>
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- * Julien Schueller
- * Kelly Thompson <kgt@lanl.gov>
- * Laurent Montel <montel@kde.org>
- * Konstantin Podsvirov <konstantin@podsvirov.pro>
- * Mario Bensi <mbensi@ipsquad.net>
- * Martin Gräßlin <mgraesslin@kde.org>
- * Mathieu Malaterre <mathieu.malaterre@gmail.com>
- * Matthaeus G. Chajdas
- * Matthias Kretz <kretz@kde.org>
- * Matthias Maennich <matthias@maennich.net>
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- * Peter Collingbourne <peter@pcc.me.uk>
- * Petr Gotthard <gotthard@honeywell.com>
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- * Roger Leigh <rleigh@codelibre.net>
- * Rolf Eike Beer <eike@sf-mail.de>
- * Roman Donchenko <roman.donchenko@itseez.com>
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- * Sebastian Holtermann <sebholt@xmw.org>
- * Stephen Kelly <steveire@gmail.com>
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- * Thomas Sondergaard <ts@medical-insight.com>
- * Tobias Hunger <tobias.hunger@qt.io>
- * Todd Gamblin <tgamblin@llnl.gov>
- * Tristan Carel
- * University of Dundee
- * Vadim Zhukov
- * Will Dicharry <wdicharry@stellarscience.com>

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curve25519-donna: Curve25519 elliptic curve, public key function

<http://code.google.com/p/curve25519-donna/>

Adam Langley <agl@imperialviolet.org>

Derived from public domain C code by Daniel J. Bernstein <djb@cr.yp.to>

More information about curve25519 can be found here

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djb's sample implementation of curve25519 is written in a special assembly language called qhasm and uses the floating point registers.

This is, almost, a clean room reimplementation from the curve25519 paper. It uses many of the tricks described therein. Only the crecip function is taken from the sample implementation.

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A "png_get_copyright" function is available, for convenient use in "about" boxes and the like:

```
printf("%s", png_get_copyright(NULL));
```

Also, the PNG logo (in PNG format, of course) is supplied in the files "pngbar.png" and "pngbar.jpg (88x31)" and "pngnow.png" (98x31).

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Glenn Randers-Pehrson
glennrp at users.sourceforge.net
December 29, 2016

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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.

1. [1]Takao Abe <takao_abe@xurb.jp> Clock driver for JYJ receivers
2. [2]Mark Andrews <mark_andrews@isc.org> Leitch atomic clock controller
3. [3]Bernd Altmeier <altmeier@atsoft.de> hopf Elektronik serial line and PCI-bus devices
4. [4]Viraj Bais <vbais@mailman1.intel.com> and [5]Clayton Kirkwood <kirkwood@striderfm.intel.com> port to WindowsNT 3.5
5. [6]Michael Barone <michael.barone@lmco.com> GPSVME fixes
6. [7]Karl Berry <karl@owl.HQ.ileaf.com> syslog to file option
7. [8]Greg Brackley <greg.brackley@bigfoot.com> Major rework of WINNT port. Clean up recvbuf and iosignal code into separate modules.
8. [9]Marc Brett <Marc.Brett@westgeo.com> Magnavox GPS clock driver
9. [10]Piete Brooks <Piete.Brooks@cl.cam.ac.uk> MSF clock driver, Trimble PARSE support
10. [11]Nelson B Bolyard <nelson@bolyard.me> update and complete broadcast and crypto features in snpt
11. [12]Jean-Francois Boudreault <Jean-Francois.Boudreault@viagenie.qc.ca> IPv6 support
12. [13]Reg Clemens <reg@dwf.com> Oncore driver (Current maintainer)
13. [14]Steve Clift <clift@ml.csiro.au> OMEGA clock driver
14. [15]Casey Crellin <casey@csc.co.za> vxWorks (Tornado) port and help with target configuration
15. [16]Sven Dietrich <sven_dietrich@trimble.com> Palisade reference clock driver, NT adj. residuals, integrated Greg's Winnt port.
16. [17]John A. Dundas III <dundas@salt.jpl.nasa.gov> Apple A/UX port
17. [18]Torsten Duwe <duwe@immd4.informatik.uni-erlangen.de> Linux port
18. [19]Dennis Ferguson <dennis@mrbill.canet.ca> foundation code for NTP Version 2 as specified in RFC-1119
19. [20]John Hay <jhay@icomtek.csiro.co.za> IPv6 support and testing
20. [21]Dave Hart <davehart@davehart.com> General maintenance, Windows port interpolation rewrite
21. [22]Claas Hilbrecht <neoclock4x@linum.com> NeoClock4X clock driver
22. [23]Glenn Hollinger <glenn@herald.usask.ca> GOES clock driver
23. [24]Mike Iglesias <iglesias@uci.edu> DEC Alpha port
24. [25]Jim Jagielski <jim@jagubox.gsfc.nasa.gov> A/UX port
25. [26]Jeff Johnson <jbj@chatham.usdesign.com> massive prototyping overhaul
26. [27]Hans Lambermont <Hans.Lambermont@nl.origin-it.com> or [28]<H.Lambermont@chello.nl> ntpsweep
27. [29]Poul-Henning Kamp <phk@FreeBSD.ORG> Oncore driver (Original author)
28. [30]Frank Kardel [31]<kardel (at) ntp (dot) org> PARSE <GENERIC> (driver 14 reference clocks), STREAMS modules for PARSE, support scripts, syslog cleanup, dynamic interface handling
29. [32]Johannes Maximilian Kuehn <kuehn@ntp.org> Rewrote snpt to comply with NTPv4 specification, ntpq saveconfig
30. [33]William L. Jones <jones@hermes.chpc.utexas.edu> RS/6000 AIX modifications, HPUX modifications

31. [34]Dave Katz <dkatz@cisco.com> RS/6000 AIX port
32. [35]Craig Leres <leres@ee.lbl.gov> 4.4BSD port, ppsclock, Magnavox GPS clock driver
33. [36]George Lindholm <lindholm@ucs.ubc.ca> SunOS 5.1 port
34. [37]Louis A. Mamakos <louie@ni.umd.edu> MD5-based authentication
35. [38]Lars H. Mathiesen <thorinn@diku.dk> adaptation of foundation code for Version 3 as specified in RFC-1305
36. [39]Danny Mayer <mayer@ntp.org> Network I/O, Windows Port, Code Maintenance
37. [40]David L. Mills <mills@udel.edu> Version 4 foundation, precision kernel; clock drivers: 1, 3, 4, 6, 7, 11, 13, 18, 19, 22, 36
38. [41]Wolfgang Moeller <moeller@gwdgv1.dnet.gwdg.de> VMS port
39. [42]Jeffrey Mogul <mogul@pa.dec.com> ntprtrace utility
40. [43]Tom Moore <tmoore@fivel.daytonoh.ncr.com> i386 svr4 port
41. [44]Kamal A Mostafa <kamal@whence.com> SCO OpenServer port
42. [45]Derek Mulcahy <derek@toybox.demon.co.uk> and [46]Damon Hart-Davis <d@hd.org> ARCRON MSF clock driver
43. [47]Rob Neal <neal@ntp.org> Bancomm refclock and config/parse code maintenance
44. [48]Rainer Pruy <Rainer.Pruy@informatik.uni-erlangen.de> monitoring/trap scripts, statistics file handling
45. [49]Dirce Richards <dirce@zk3.dec.com> Digital UNIX V4.0 port
46. [50]Wilfredo Sánchez <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
54. [58]Ajit Thyagarajan <ajit@ee.udel.edu> IP multicast/anycast support
55. [59]Tomoaki TSURUOKA <tsuruoka@nc.fukuoka-u.ac.jp> TRAK clock driver
56. [60]Brian Utterback <brian.utterback@oracle.com> General codebase, Solaris issues
57. [61]Loganaden Velvindron <loganaden@gmail.com> Sandboxing (libseccomp) support
58. [62]Paul A Vixie <vixie@vix.com> TrueTime GPS driver, generic TrueTime clock driver
59. [63]Ulrich Windl <Ulrich.Windl@rz.uni-regensburg.de> corrected and validated HTML documents according to the HTML DTD

References

1. mailto:%20takao_abe@xurb.jp
2. mailto:%20mark_andrews@isc.org
3. mailto:%20altmeier@atsoft.de
4. mailto:%20vbais@mailman1.intel.co
5. mailto:%20kirkwood@striderfm.intel.com
6. mailto:%20michael.barone@lmco.com
7. mailto:%20karl@owl.HQ.ileaf.com
8. mailto:%20greg.brackley@bigfoot.com
9. mailto:%20Marc.Brett@westgeo.com
10. mailto:%20Piete.Brooks@cl.cam.ac.uk
11. mailto:%20nelson@bolyard.me
12. mailto:%20Jean-Francois.Boudreault@viagenie.qc.ca
13. mailto:%20reg@dwf.com
14. mailto:%20clift@ml.csiro.au
15. mailto:%20casey@csc.co.za
16. mailto:%20Sven_Dietrich@trimble.COM
17. mailto:%20dundas@salt.jpl.nasa.gov
18. mailto:%20duwe@immd4.informatik.uni-erlangen.de
19. mailto:%20dennis@mrbill.canet.ca
20. mailto:%20jhay@icomtek.csir.co.za
21. mailto:%20davehart@davehart.com
22. mailto:%20neoclock4x@linum.com
23. mailto:%20glenn@herald.usask.ca
24. mailto:%20iglesias@uci.edu
25. mailto:%20jagubox.gsfc.nasa.gov
26. mailto:%20bj@chatham.usdesign.com
27. mailto:%20Hans.Lambermont@nl.origin-it.com
28. mailto:H.Lambermont@chello.nl
29. mailto:%20phk@FreeBSD.ORG
30. http://www4.informatik.uni-erlangen.de/%7ekardel
31. mailto:%20kardel%20%28at%29%20ntp%20%28dot%29%20org
32. mailto:kuehn@ntp.org
33. mailto:%20jones@hermes.chpc.utexas.edu
34. mailto:%20dkatz@cisco.com
35. mailto:%20leres@ee.lbl.gov
36. mailto:%20lindholm@ucs.ubc.ca
37. mailto:%20louie@ni.umd.edu
38. mailto:%20thorinn@diku.dk
39. mailto:%20mayer@ntp.org
40. mailto:%20mills@udel.edu

41. mailto:%20moeller@gwdgv1.dnet.gwdg.de
42. mailto:%20mogul@pa.dec.com
43. mailto:%20moore@fieval.daytonoh.ncr.com
44. mailto:%20kamal@whence.com
45. mailto:%20derek@toybox.demon.co.uk
46. mailto:%20d@hd.org
47. mailto:%20neal@ntp.org
48. mailto:%20Rainer.Pruy@informatik.uni-erlangen.de
49. mailto:%20dirce@zk3.dec.com
50. mailto:%20wsanchez@apple.com
51. mailto:%20mrapple@quack.kfu.com
52. mailto:%20jack@innovativeinternet.com
53. mailto:%20schnitz@unipress.com
54. mailto:%20shields@tembel.org
55. mailto:%20pebbles.jpl.nasa.gov
56. mailto:%20harlan@pfcs.com
57. mailto:%20ken@sdd.hp.com
58. mailto:%20ajit@ee.udel.edu
59. mailto:%20tsuruoka@nc.fukuoka-u.ac.jp
60. mailto:%20brian.utterback@oracle.com
61. mailto:%20loganaden@gmail.com
62. mailto:%20vixie@vix.com
63. mailto:%20Ulrich.Windl@rz.uni-regensburg.de

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Mark Adler
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