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# Scylladb

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*Scylladb 3.1.2*

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 *Version 3, 19 November 2007*

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 *Preamble*

 *The GNU Affero General Public License is a free, copyleft license for*

*software and other kinds of works, specifically designed to ensure*

*cooperation with the community in the case of network server software.*

 *The licenses for most software and other practical works are designed*

*to take away your freedom to share and change the works. By contrast,*

*our General Public Licenses are intended to guarantee your freedom to*

*share and change all versions of a program--to make sure it remains free*

*software for all its users.*

 *When we speak of free software, we are referring to freedom, not*

*price. Our General Public Licenses are designed to make sure that you*

*have the freedom to distribute copies of free software (and charge for*

*them if you wish), that you receive source code or can get it if you*

*want it, that you can change the software or use pieces of it in new*

*free programs, and that you know you can do these things.*

 *Developers that use our General Public Licenses protect your rights*

*with two steps: (1) assert copyright on the software, and (2) offer*

*you this License which gives you legal permission to copy, distribute*

*and/or modify the software.*

 *A secondary benefit of defending all users' freedom is that*

*improvements made in alternate versions of the program, if they*

*receive widespread use, become available for other developers to*

*incorporate. Many developers of free software are heartened and*

*encouraged by the resulting cooperation. However, in the case of*

*software used on network servers, this result may fail to come about.*

*The GNU General Public License permits making a modified version and*

*letting the public access it on a server without ever releasing its*

*source code to the public.*

 *The GNU Affero General Public License is designed specifically to*

*ensure that, in such cases, the modified source code becomes available*

*to the community. It requires the operator of a network server to*

*provide the source code of the modified version running there to the*

*users of that server. Therefore, public use of a modified version, on*

*a publicly accessible server, gives the public access to the source*

*code of the modified version.*

 *An older license, called the Affero General Public License and*

*published by Affero, was designed to accomplish similar goals. This is*

*a different license, not a version of the Affero GPL, but Affero has*

*released a new version of the Affero GPL which permits relicensing under*

*this license.*

 *The precise terms and conditions for copying, distribution and*

*modification follow.*

 *TERMS AND CONDITIONS*

 *0. Definitions.*

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

 *"Copyright" also means copyright-like laws that apply to other kinds of*

*works, such as semiconductor masks.*

 *"The Program" refers to any copyrightable work licensed under this*

*License. Each licensee is addressed as "you". "Licensees" and*

*"recipients" may be individuals or organizations.*

 *To "modify" a work means to copy from or adapt all or part of the work*

*in a fashion requiring copyright permission, other than the making of an*

*exact copy. The resulting work is called a "modified version" of the*

*earlier work or a work "based on" the earlier work.*

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

*on the Program.*

 *To "propagate" a work means to do anything with it that, without*

*permission, would make you directly or secondarily liable for*

*infringement under applicable copyright law, except executing it on a*

*computer or modifying a private copy. Propagation includes copying,*

*distribution (with or without modification), making available to the*

*public, and in some countries other activities as well.*

 *To "convey" a work means any kind of propagation that enables other*

*parties to make or receive copies. Mere interaction with a user through*

*a computer network, with no transfer of a copy, is not conveying.*

 *An interactive user interface displays "Appropriate Legal Notices"*

*to the extent that it includes a convenient and prominently visible*

*feature that (1) displays an appropriate copyright notice, and (2)*

*tells the user that there is no warranty for the work (except to the*

*extent that warranties are provided), that licensees may convey the*

*work under this License, and how to view a copy of this License. If*

*the interface presents a list of user commands or options, such as a*

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

 *1. Source Code.*

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

*for making modifications to it. "Object code" means any non-source*

*form of a work.*

 *A "Standard Interface" means an interface that either is an official*

*standard defined by a recognized standards body, or, in the case of*

*interfaces specified for a particular programming language, one that*

*is widely used among developers working in that language.*

 *The "System Libraries" of an executable work include anything, other*

*than the work as a whole, that (a) is included in the normal form of*

*packaging a Major Component, but which is not part of that Major*

*Component, and (b) serves only to enable use of the work with that*

*Major Component, or to implement a Standard Interface for which an*

*implementation is available to the public in source code form. A*

*"Major Component", in this context, means a major essential component*

*(kernel, window system, and so on) of the specific operating system*

*(if any) on which the executable work runs, or a compiler used to*

*produce the work, or an object code interpreter used to run it.*

 *The "Corresponding Source" for a work in object code form means all*

*the source code needed to generate, install, and (for an executable*

*work) run the object code and to modify the work, including scripts to*

*control those activities. However, it does not include the work's*

*System Libraries, or general-purpose tools or generally available free*

*programs which are used unmodified in performing those activities but*

*which are not part of the work. For example, Corresponding Source*

*includes interface definition files associated with source files for*

*the work, and the source code for shared libraries and dynamically*

*linked subprograms that the work is specifically designed to require,*

*such as by intimate data communication or control flow between those*

*subprograms and other parts of the work.*

 *The Corresponding Source need not include anything that users*

*can regenerate automatically from other parts of the Corresponding*

*Source.*

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

*same work.*

 *2. Basic Permissions.*

 *All rights granted under this License are granted for the term of*

*copyright on the Program, and are irrevocable provided the stated*

*conditions are met. This License explicitly affirms your unlimited*

*permission to run the unmodified Program. The output from running a*

*covered work is covered by this License only if the output, given its*

*content, constitutes a covered work. This License acknowledges your*

*rights of fair use or other equivalent, as provided by copyright law.*

 *You may make, run and propagate covered works that you do not*

*convey, without conditions so long as your license otherwise remains*

*in force. You may convey covered works to others for the sole purpose*

*of having them make modifications exclusively for you, or provide you*

*with facilities for running those works, provided that you comply with*

*the terms of this License in conveying all material for which you do*

*not control copyright. Those thus making or running the covered works*

*for you must do so exclusively on your behalf, under your direction*

*and control, on terms that prohibit them from making any copies of*

*your copyrighted material outside their relationship with you.*

 *Conveying under any other circumstances is permitted solely under*

*the conditions stated below. Sublicensing is not allowed; section 10*

*makes it unnecessary.*

 *3. Protecting Users' Legal Rights From Anti-Circumvention Law.*

 *No covered work shall be deemed part of an effective technological*

*measure under any applicable law fulfilling obligations under article*

*11 of the WIPO copyright treaty adopted on 20 December 1996, or*

*similar laws prohibiting or restricting circumvention of such*

*measures.*

 *When you convey a covered work, you waive any legal power to forbid*

*circumvention of technological measures to the extent such circumvention*

*is effected by exercising rights under this License with respect to*

*the covered work, and you disclaim any intention to limit operation or*

*modification of the work as a means of enforcing, against the work's*

*users, your or third parties' legal rights to forbid circumvention of*

*technological measures.*

 *4. Conveying Verbatim Copies.*

 *You may convey verbatim copies of the Program's source code as you*

*receive it, in any medium, provided that you conspicuously and*

*appropriately publish on each copy an appropriate copyright notice;*

*keep intact all notices stating that this License and any*

*non-permissive terms added in accord with section 7 apply to the code;*

*keep intact all notices of the absence of any warranty; and give all*

*recipients a copy of this License along with the Program.*

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

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

 *5. Conveying Modified Source Versions.*

 *You may convey a work based on the Program, or the modifications to*

*produce it from the Program, in the form of source code under the*

*terms of section 4, provided that you also meet all of these conditions:*

 *a) The work must carry prominent notices stating that you modified*

 *it, and giving a relevant date.*

 *b) The work must carry prominent notices stating that it is*

 *released under this License and any conditions added under section*

 *7. This requirement modifies the requirement in section 4 to*

 *"keep intact all notices".*

 *c) You must license the entire work, as a whole, under this*

 *License to anyone who comes into possession of a copy. This*

 *License will therefore apply, along with any applicable section 7*

 *additional terms, to the whole of the work, and all its parts,*

 *regardless of how they are packaged. This License gives no*

 *permission to license the work in any other way, but it does not*

 *invalidate such permission if you have separately received it.*

 *d) If the work has interactive user interfaces, each must display*

 *Appropriate Legal Notices; however, if the Program has interactive*

 *interfaces that do not display Appropriate Legal Notices, your*

 *work need not make them do so.*

 *A compilation of a covered work with other separate and independent*

*works, which are not by their nature extensions of the covered work,*

*and which are not combined with it such as to form a larger program,*

*in or on a volume of a storage or distribution medium, is called an*

*"aggregate" if the compilation and its resulting copyright are not*

*used to limit the access or legal rights of the compilation's users*

*beyond what the individual works permit. Inclusion of a covered work*

*in an aggregate does not cause this License to apply to the other*

*parts of the aggregate.*

 *6. Conveying Non-Source Forms.*

 *You may convey a covered work in object code form under the terms*

*of sections 4 and 5, provided that you also convey the*

*machine-readable Corresponding Source under the terms of this License,*

*in one of these ways:*

 *a) Convey the object code in, or embodied in, a physical product*

 *(including a physical distribution medium), accompanied by the*

 *Corresponding Source fixed on a durable physical medium*

 *customarily used for software interchange.*

 *b) Convey the object code in, or embodied in, a physical product*

 *(including a physical distribution medium), accompanied by a*

 *written offer, valid for at least three years and valid for as*

 *long as you offer spare parts or customer support for that product*

 *model, to give anyone who possesses the object code either (1) a*

 *copy of the Corresponding Source for all the software in the*

 *product that is covered by this License, on a durable physical*

 *medium customarily used for software interchange, for a price no*

 *more than your reasonable cost of physically performing this*

 *conveying of source, or (2) access to copy the*

 *Corresponding Source from a network server at no charge.*

 *c) Convey individual copies of the object code with a copy of the*

 *written offer to provide the Corresponding Source. This*

 *alternative is allowed only occasionally and noncommercially, and*

 *only if you received the object code with such an offer, in accord*

 *with subsection 6b.*

 *d) Convey the object code by offering access from a designated*

 *place (gratis or for a charge), and offer equivalent access to the*

 *Corresponding Source in the same way through the same place at no*

 *further charge. You need not require recipients to copy the*

 *Corresponding Source along with the object code. If the place to*

 *copy the object code is a network server, the Corresponding Source*

 *may be on a different server (operated by you or a third party)*

 *that supports equivalent copying facilities, provided you maintain*

 *clear directions next to the object code saying where to find the*

 *Corresponding Source. Regardless of what server hosts the*

 *Corresponding Source, you remain obligated to ensure that it is*

 *available for as long as needed to satisfy these requirements.*

 *e) Convey the object code using peer-to-peer transmission, provided*

 *you inform other peers where the object code and Corresponding*

 *Source of the work are being offered to the general public at no*

 *charge under subsection 6d.*

 *A separable portion of the object code, whose source code is excluded*

*from the Corresponding Source as a System Library, need not be*

*included in conveying the object code work.*

 *A "User Product" is either (1) a "consumer product", which means any*

*tangible personal property which is normally used for personal, family,*

*or household purposes, or (2) anything designed or sold for incorporation*

*into a dwelling. In determining whether a product is a consumer product,*

*doubtful cases shall be resolved in favor of coverage. For a particular*

*product received by a particular user, "normally used" refers to a*

*typical or common use of that class of product, regardless of the status*

*of the particular user or of the way in which the particular user*

*actually uses, or expects or is expected to use, the product. A product*

*is a consumer product regardless of whether the product has substantial*

*commercial, industrial or non-consumer uses, unless such uses represent*

*the only significant mode of use of the product.*

 *"Installation Information" for a User Product means any methods,*

*procedures, authorization keys, or other information required to install*

*and execute modified versions of a covered work in that User Product from*

*a modified version of its Corresponding Source. The information must*

*suffice to ensure that the continued functioning of the modified object*

*code is in no case prevented or interfered with solely because*

*modification has been made.*

 *If you convey an object code work under this section in, or with, or*

*specifically for use in, a User Product, and the conveying occurs as*

*part of a transaction in which the right of possession and use of the*

*User Product is transferred to the recipient in perpetuity or for a*

*fixed term (regardless of how the transaction is characterized), the*

*Corresponding Source conveyed under this section must be accompanied*

*by the Installation Information. But this requirement does not apply*

*if neither you nor any third party retains the ability to install*

*modified object code on the User Product (for example, the work has*

*been installed in ROM).*

 *The requirement to provide Installation Information does not include a*

*requirement to continue to provide support service, warranty, or updates*

*for a work that has been modified or installed by the recipient, or for*

*the User Product in which it has been modified or installed. Access to a*

*network may be denied when the modification itself materially and*

*adversely affects the operation of the network or violates the rules and*

*protocols for communication across the network.*

 *Corresponding Source conveyed, and Installation Information provided,*

*in accord with this section must be in a format that is publicly*

*documented (and with an implementation available to the public in*

*source code form), and must require no special password or key for*

*unpacking, reading or copying.*

 *7. Additional Terms.*

 *"Additional permissions" are terms that supplement the terms of this*

*License by making exceptions from one or more of its conditions.*

*Additional permissions that are applicable to the entire Program shall*

*be treated as though they were included in this License, to the extent*

*that they are valid under applicable law. If additional permissions*

*apply only to part of the Program, that part may be used separately*

*under those permissions, but the entire Program remains governed by*

*this License without regard to the additional permissions.*

 *When you convey a copy of a covered work, you may at your option*

*remove any additional permissions from that copy, or from any part of*

*it. (Additional permissions may be written to require their own*

*removal in certain cases when you modify the work.) You may place*

*additional permissions on material, added by you to a covered work,*

*for which you have or can give appropriate copyright permission.*

 *Notwithstanding any other provision of this License, for material you*

*add to a covered work, you may (if authorized by the copyright holders of*

*that material) supplement the terms of this License with terms:*

 *a) Disclaiming warranty or limiting liability differently from the*

 *terms of sections 15 and 16 of this License; or*

 *b) Requiring preservation of specified reasonable legal notices or*

 *author attributions in that material or in the Appropriate Legal*

 *Notices displayed by works containing it; or*

 *c) Prohibiting misrepresentation of the origin of that material, or*

 *requiring that modified versions of such material be marked in*

 *reasonable ways as different from the original version; or*

 *d) Limiting the use for publicity purposes of names of licensors or*

 *authors of the material; or*

 *e) Declining to grant rights under trademark law for use of some*

 *trade names, trademarks, or service marks; or*

 *f) Requiring indemnification of licensors and authors of that*

 *material by anyone who conveys the material (or modified versions of*

 *it) with contractual assumptions of liability to the recipient, for*

 *any liability that these contractual assumptions directly impose on*

 *those licensors and authors.*

 *All other non-permissive additional terms are considered "further*

*restrictions" within the meaning of section 10. If the Program as you*

*received it, or any part of it, contains a notice stating that it is*

*governed by this License along with a term that is a further*

*restriction, you may remove that term. If a license document contains*

*a further restriction but permits relicensing or conveying under this*

*License, you may add to a covered work material governed by the terms*

*of that license document, provided that the further restriction does*

*not survive such relicensing or conveying.*

 *If you add terms to a covered work in accord with this section, you*

*must place, in the relevant source files, a statement of the*

*additional terms that apply to those files, or a notice indicating*

*where to find the applicable terms.*

 *Additional terms, permissive or non-permissive, may be stated in the*

*form of a separately written license, or stated as exceptions;*

*the above requirements apply either way.*

 *8. Termination.*

 *You may not propagate or modify a covered work except as expressly*

*provided under this License. Any attempt otherwise to propagate or*

*modify it is void, and will automatically terminate your rights under*

*this License (including any patent licenses granted under the third*

*paragraph of section 11).*

 *However, if you cease all violation of this License, then your*

*license from a particular copyright holder is reinstated (a)*

*provisionally, unless and until the copyright holder explicitly and*

*finally terminates your license, and (b) permanently, if the copyright*

*holder fails to notify you of the violation by some reasonable means*

*prior to 60 days after the cessation.*

 *Moreover, your license from a particular copyright holder is*

*reinstated permanently if the copyright holder notifies you of the*

*violation by some reasonable means, this is the first time you have*

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 *Termination of your rights under this section does not terminate the*

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*this License. If your rights have been terminated and not permanently*

*reinstated, you do not qualify to receive new licenses for the same*

*material under section 10.*

 *9. Acceptance Not Required for Having Copies.*

 *You are not required to accept this License in order to receive or*

*run a copy of the Program. Ancillary propagation of a covered work*

*occurring solely as a consequence of using peer-to-peer transmission*

*to receive a copy likewise does not require acceptance. However,*

*nothing other than this License grants you permission to propagate or*

*modify any covered work. These actions infringe copyright if you do*

*not accept this License. Therefore, by modifying or propagating a*

*covered work, you indicate your acceptance of this License to do so.*

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 *Each time you convey a covered work, the recipient automatically*

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*propagate that work, subject to this License. You are not responsible*

*for enforcing compliance by third parties with this License.*

 *An "entity transaction" is a transaction transferring control of an*

*organization, or substantially all assets of one, or subdividing an*

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*work results from an entity transaction, each party to that*

*transaction who receives a copy of the work also receives whatever*

*licenses to the work the party's predecessor in interest had or could*

*give under the previous paragraph, plus a right to possession of the*

*Corresponding Source of the work from the predecessor in interest, if*

*the predecessor has it or can get it with reasonable efforts.*

 *You may not impose any further restrictions on the exercise of the*

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*sale, or importing the Program or any portion of it.*

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 *A "contributor" is a copyright holder who authorizes use under this*

*License of the Program or a work on which the Program is based. The*

*work thus licensed is called the contributor's "contributor version".*

 *A contributor's "essential patent claims" are all patent claims*

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*hereafter acquired, that would be infringed by some manner, permitted*

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*but do not include claims that would be infringed only as a*

*consequence of further modification of the contributor version. For*

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*this License.*

 *Each contributor grants you a non-exclusive, worldwide, royalty-free*

*patent license under the contributor's essential patent claims, to*

*make, use, sell, offer for sale, import and otherwise run, modify and*

*propagate the contents of its contributor version.*

 *In the following three paragraphs, a "patent license" is any express*

*agreement or commitment, however denominated, not to enforce a patent*

*(such as an express permission to practice a patent or covenant not to*

*sue for patent infringement). To "grant" such a patent license to a*

*party means to make such an agreement or commitment not to enforce a*

*patent against the party.*

 *If you convey a covered work, knowingly relying on a patent license,*

*and the Corresponding Source of the work is not available for anyone*

*to copy, free of charge and under the terms of this License, through a*

*publicly available network server or other readily accessible means,*

*then you must either (1) cause the Corresponding Source to be so*

*available, or (2) arrange to deprive yourself of the benefit of the*

*patent license for this particular work, or (3) arrange, in a manner*

*consistent with the requirements of this License, to extend the patent*

*license to downstream recipients. "Knowingly relying" means you have*

*actual knowledge that, but for the patent license, your conveying the*

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*country that you have reason to believe are valid.*

 *If, pursuant to or in connection with a single transaction or*

*arrangement, you convey, or propagate by procuring conveyance of, a*

*covered work, and grant a patent license to some of the parties*

*receiving the covered work authorizing them to use, propagate, modify*

*or convey a specific copy of the covered work, then the patent license*

*you grant is automatically extended to all recipients of the covered*

*work and works based on it.*

 *A patent license is "discriminatory" if it does not include within*

*the scope of its coverage, prohibits the exercise of, or is*

*conditioned on the non-exercise of one or more of the rights that are*

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*the work, and under which the third party grants, to any of the*

*parties who would receive the covered work from you, a discriminatory*

*patent license (a) in connection with copies of the covered work*

*conveyed by you (or copies made from those copies), or (b) primarily*

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 *12. No Surrender of Others' Freedom.*

 *If conditions are imposed on you (whether by court order, agreement or*

*otherwise) that contradict the conditions of this License, they do not*

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*covered work so as to satisfy simultaneously your obligations under this*

*License and any other pertinent obligations, then as a consequence you may*

*not convey it at all. For example, if you agree to terms that obligate you*

*to collect a royalty for further conveying from those to whom you convey*

*the Program, the only way you could satisfy both those terms and this*

*License would be to refrain entirely from conveying the Program.*

 *13. Remote Network Interaction; Use with the GNU General Public License.*

 *Notwithstanding any other provision of this License, if you modify the*

*Program, your modified version must prominently offer all users*

*interacting with it remotely through a computer network (if your version*

*supports such interaction) an opportunity to receive the Corresponding*

*Source of your version by providing access to the Corresponding Source*

*from a network server at no charge, through some standard or customary*

*means of facilitating copying of software. This Corresponding Source*

*shall include the Corresponding Source for any work covered by version 3*

*of the GNU General Public License that is incorporated pursuant to the*

*following paragraph.*

 *Notwithstanding any other provision of this License, you have*

*permission to link or combine any covered work with a work licensed*

*under version 3 of the GNU General Public License into a single*

*combined work, and to convey the resulting work. The terms of this*

*License will continue to apply to the part which is the covered work,*

*but the work with which it is combined will remain governed by version*

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 *The Free Software Foundation may publish revised and/or new versions of*

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*version or of any later version published by the Free Software*

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 *17. Interpretation of Sections 15 and 16.*

 *If the disclaimer of warranty and limitation of liability provided*

*above cannot be given local legal effect according to their terms,*

*reviewing courts shall apply local law that most closely approximates*

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*Program, unless a warranty or assumption of liability accompanies a*

*copy of the Program in return for a fee.*

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 *How to Apply These Terms to Your New Programs*

 *If you develop a new program, and you want it to be of the greatest*

*possible use to the public, the best way to achieve this is to make it*

*free software which everyone can redistribute and change under these terms.*

 *To do so, attach the following notices to the program. It is safest*

*to attach them to the start of each source file to most effectively*

*state the exclusion of warranty; and each file should have at least*

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

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

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

 *If your software can interact with users remotely through a computer*

*network, you should also make sure that it provides a way for users to*

*get its source. For example, if your program is a web application, its*

*interface could display a "Source" link that leads users to an archive*

*of the code. There are many ways you could offer source, and different*

*solutions will be better for different programs; see section 13 for the*

*specific requirements.*

 *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.*

*For more information on this, and how to apply and follow the GNU AGPL, see*

*<http://www.gnu.org/licenses/>.*

# Geos

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*Geos 3.6.1*

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 Version 2.1, February 1999

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 as the successor of the GNU Library Public License, version 2, hence

 the version number 2.1.]

 Preamble

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Licenses are intended to guarantee your freedom to share and change

free software--to make sure the software is free for all its users.

 This license, the Lesser General Public License, applies to some

specially designated software packages--typically libraries--of the

Free Software Foundation and other authors who decide to use it. You

can use it too, but we suggest you first think carefully about whether

this license or the ordinary General Public License is the better

strategy to use in any particular case, based on the explanations below.

 When we speak of free software, we are referring to freedom of use,

not price. Our General Public Licenses are designed to make sure that

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it in new free programs; and that you are informed that you can do

these things.

 To protect your rights, we need to make restrictions that forbid

distributors to deny you these rights or to ask you to surrender these

rights. These restrictions translate to certain responsibilities for

you if you distribute copies of the library or if you modify it.

 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

you. You must make sure that they, too, receive or can get the source

code. If you link other code 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

it. And you must show them these terms so they know their rights.

 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.

 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 "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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Each licensee is addressed as "you".

 A "library" means a collection of software functions and/or data

prepared so as to be conveniently linked with application programs

(which use some of those functions and data) to form executables.

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

which has been distributed under these terms. A "work based on the

Library" means either the Library or any derivative work under

copyright law: that is to say, a work containing the Library or a

portion of it, either verbatim or with modifications and/or translated

straightforwardly into another language. (Hereinafter, translation is

included without limitation in the term "modification".)

 "Source code" for a work means the preferred form of the work for

making modifications to it. For a library, complete source code means

all the source code for all modules it contains, plus any associated

interface definition files, plus the scripts used to control compilation

and installation of the library.

 Activities other than copying, distribution and modification are not

covered by this License; they are outside its scope. The act of

running a program using the Library is not restricted, and output from

such a program is covered only if its contents constitute a work based

on the Library (independent of the use of the Library in a tool for

writing it). Whether that is true depends on what the Library does

and what the program that uses the Library does.

 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

warranty; and distribute a copy of this License along with the

Library.

 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 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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infringement or for any other reason (not limited to patent issues),

conditions are imposed on you (whether by court order, agreement or

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License and any other pertinent obligations, then as a consequence you

may not distribute the Library at all. For example, if a patent

license would not permit royalty-free redistribution of the Library by

all those who receive copies directly or indirectly through you, then

the only way you could satisfy both it and this License would be to

refrain entirely from distribution of the Library.

If any portion of this section is held invalid or unenforceable under any

particular circumstance, the balance of the section is intended to apply,

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

It is not the purpose of this section to induce you to infringe any

patents or other property right claims or to contest validity of any

such claims; this section has the sole purpose of protecting the

integrity of the free software distribution system which is

implemented by public license practices. Many people have made

generous contributions to the wide range of software distributed

through that system in reliance on consistent application of that

system; it is up to the author/donor to decide if he or she is willing

to distribute software through any other system and a licensee cannot

impose that choice.

This section is intended to make thoroughly clear what is believed to

be a consequence of the rest of this License.

 12. If the distribution and/or use of the Library is restricted in

certain countries either by patents or by copyrighted interfaces, the

original copyright holder who places the Library under this License may add

an explicit geographical distribution limitation excluding those countries,

so that distribution is permitted only in or among countries not thus

excluded. In such case, this License incorporates the limitation as if

written in the body of this License.

 13. The Free Software Foundation may publish revised and/or new

versions of the Lesser General Public License from time to time.

Such new versions will be similar in spirit to the present version,

but may differ in detail to address new problems or concerns.

Each version is given a distinguishing version number. If the Library

specifies a version number of this License which applies to it and

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license version number, you may choose any version ever published by

the Free Software Foundation.

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programs whose distribution conditions are incompatible with these,

write to the author to ask for permission. For software which is

copyrighted by the Free Software Foundation, write to the Free

Software Foundation; we sometimes make exceptions for this. Our

decision will be guided by the two goals of preserving the free status

of all derivatives of our free software and of promoting the sharing

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redistribution under these terms (or, alternatively, under the terms of the

ordinary General Public License).

 To apply these terms, attach the following notices to the library. It is

safest to attach them to the start of each source file to most effectively

convey the exclusion of warranty; and each file should have at least the

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

 <one line to give the library'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.

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:

 Yoyodyne, Inc., hereby disclaims all copyright interest in the

 library `Frob' (a library for tweaking knobs) written by James Random Hacker.

 <signature of Ty Coon>, 1 April 1990

 Ty Coon, President of Vice

That's all there is to it!