



# Open Source Used In Cisco Secure Endpoint Connector (Linux) 1.20.6

## Cisco Systems, Inc.

www.cisco.com

Cisco has more than 200 offices worldwide. Addresses, phone numbers, and fax numbers are listed on the Cisco website at www.cisco.com/go/offices.

Text Part Number: 78EE117C99-1787566740

This document contains licenses and notices for open source software used in this product. With respect to the free/open source software listed in this document, if you have any questions or wish to receive a copy of any source code to which you may be entitled under the applicable free/open source license(s) (such as the GNU Lesser/General Public License), please submit this form.

In your requests please include the following reference number 78EE117C99-1787566740

# **Contents**

1.1 asn1c 0.9.24
1.1.1 Available under license
1.2 libmnl 1.0.4
1.2.1 Available under license
1.3 jansson 2.11
1.3.1 Available under license
1.4 pcre 10.34
1.4.1 Available under license
1.5 cre2 0.3.1
1.5.1 Available under license
1.6 libedit 20180525-3.1
1.6.1 Available under license
1.7 redirfs 1.0.5
1.7.1 Available under license
1.8 avfit 1.5
1.8.1 Available under license
1.9 golang 1.11
1.9.1 Available under license
1.10 libxml2 2.9.13
1.10.1 Available under license
1.11 sqlite 3.39.3
1.11.1 Available under license
1.12 curl 7.84.0
1.12.1 Available under license

# 1.1 asn1c 0.9.24

# 1.1.1 Available under license:

/\*.

- \* Copyright (c) 2003, 2004, 2005, 2006, 2007 Lev Walkin <vlm@lionet.info>
- \* All rights reserved.

\*

- \* Redistribution and use in source and binary forms, with or without
- \* modification, are permitted provided that the following conditions
- \* are met:
- \* 1. Redistributions of source code must retain the above copyright
- \* notice, this list of conditions and the following disclaimer.
- \* 2. Redistributions in binary form must reproduce the above copyright
- \* notice, this list of conditions and the following disclaimer in the
- \* documentation and/or other materials provided with the distribution.

\*

- \* THIS SOFTWARE IS PROVIDED BY THE AUTHOR AND CONTRIBUTORS ``AS IS" AND
- \* ANY EXPRESS OR IMPLIED WARRANTIES, INCLUDING, BUT NOT LIMITED TO, THE
- \* IMPLIED WARRANTIES OF MERCHANTABILITY AND FITNESS FOR A PARTICULAR PURPOSE
- \* ARE DISCLAIMED. IN NO EVENT SHALL THE AUTHOR OR CONTRIBUTORS BE LIABLE
- \* FOR ANY DIRECT, INDIRECT, INCIDENTAL, SPECIAL, EXEMPLARY, OR CONSEQUENTIAL
- \* DAMAGES (INCLUDING, BUT NOT LIMITED TO, PROCUREMENT OF SUBSTITUTE GOODS
- \* OR SERVICES; LOSS OF USE, DATA, OR PROFITS; OR BUSINESS INTERRUPTION)
- \* HOWEVER CAUSED AND ON ANY THEORY OF LIABILITY, WHETHER IN CONTRACT, STRICT
- \* LIABILITY, OR TORT (INCLUDING NEGLIGENCE OR OTHERWISE) ARISING IN ANY WAY
- \* OUT OF THE USE OF THIS SOFTWARE, EVEN IF ADVISED OF THE POSSIBILITY OF
- \* SUCH DAMAGE.

\*

\* \$Id\$

\*/

# 1.2 libmnl 1.0.4

## 1.2.1 Available under license:

GNU LESSER GENERAL PUBLIC LICENSE Version 2.1, February 1999

Copyright (C) 1991, 1999 Free Software Foundation, Inc. 51 Franklin Street, Fifth Floor, Boston, MA 02110-1301 USA Everyone is permitted to copy and distribute verbatim copies of this license document, but changing it is not allowed.

[This is the first released version of the Lesser GPL. It also counts as the successor of the GNU Library Public License, version 2, hence the version number 2.1.]

#### Preamble

The licenses for most software are designed to take away your freedom to share and change it. By contrast, the GNU General Public 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 you have the freedom to distribute copies of free software (and charge for this service if you wish); that you receive source code or can get it if you want it; that you can change the software and use pieces of 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.

# GNU LESSER GENERAL PUBLIC LICENSE TERMS AND CONDITIONS FOR COPYING, DISTRIBUTION AND MODIFICATION

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

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

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

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

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

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.

- 8. You may not copy, modify, sublicense, link with, or distribute the Library except as expressly provided under this License. Any attempt otherwise to copy, modify, sublicense, link with, or distribute the Library is void, and will automatically terminate your rights under this License. However, parties who have received copies, or rights, from you under this License will not have their licenses terminated so long as such parties remain in full compliance.
- 9. You are not required to accept this License, since you have not signed it. However, nothing else grants you permission to modify or distribute the Library or its derivative works. These actions are prohibited by law if you do not accept this License. Therefore, by modifying or distributing the Library (or any work based on the Library), you indicate your acceptance of this License to do so, and all its terms and conditions for copying, distributing or modifying the Library or works based on it.
- 10. Each time you redistribute the Library (or any work based on the Library), the recipient automatically receives a license from the original licensor to copy, distribute, link with or modify the Library subject to these terms and conditions. You may not impose any further restrictions on the recipients' exercise of the rights granted herein. You are not responsible for enforcing compliance by third parties with this License.
- 11. If, as a consequence of a court judgment or allegation of patent infringement or for any other reason (not limited to patent issues), conditions are imposed on you (whether by court order, agreement or otherwise) that contradict the conditions of this License, they do not excuse you from the conditions of this License. If you cannot distribute so as to satisfy simultaneously your obligations under this 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 "any later version", you have the option of following the terms and conditions either of that version or of any later version published by the Free Software Foundation. If the Library does not specify a license version number, you may choose any version ever published by the Free Software Foundation.

14. If you wish to incorporate parts of the Library into other free 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 and reuse of software generally.

## NO WARRANTY

15. BECAUSE THE LIBRARY IS LICENSED FREE OF CHARGE, THERE IS NO WARRANTY FOR THE LIBRARY, TO THE EXTENT PERMITTED BY APPLICABLE LAW. EXCEPT WHEN OTHERWISE STATED IN WRITING THE COPYRIGHT HOLDERS AND/OR OTHER PARTIES PROVIDE THE LIBRARY "AS IS" WITHOUT WARRANTY OF ANY KIND, EITHER EXPRESSED OR IMPLIED, INCLUDING, BUT NOT LIMITED TO, THE IMPLIED WARRANTIES OF MERCHANTABILITY AND FITNESS FOR A PARTICULAR PURPOSE. THE ENTIRE RISK AS TO THE QUALITY AND PERFORMANCE OF THE LIBRARY IS WITH YOU. SHOULD THE LIBRARY PROVE DEFECTIVE, YOU ASSUME

16. IN NO EVENT UNLESS REQUIRED BY APPLICABLE LAW OR AGREED TO IN WRITING WILL ANY COPYRIGHT HOLDER, OR ANY OTHER PARTY WHO MAY MODIFY AND/OR REDISTRIBUTE THE LIBRARY AS PERMITTED ABOVE, BE LIABLE TO YOU FOR DAMAGES, INCLUDING ANY GENERAL, SPECIAL, INCIDENTAL OR CONSEQUENTIAL DAMAGES ARISING OUT OF THE USE OR INABILITY TO USE THE LIBRARY (INCLUDING BUT NOT LIMITED TO LOSS OF DATA OR DATA BEING RENDERED INACCURATE OR LOSSES SUSTAINED BY YOU OR THIRD PARTIES OR A FAILURE OF THE LIBRARY TO OPERATE WITH ANY OTHER SOFTWARE), EVEN IF SUCH HOLDER OR OTHER PARTY HAS BEEN ADVISED OF THE POSSIBILITY OF SUCH DAMAGES.

#### END OF TERMS AND CONDITIONS

How to Apply These Terms to Your New Libraries

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

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

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

This library is free software; you can redistribute it and/or modify it under the terms of the GNU Lesser General Public License as published by the Free Software Foundation; either version 2.1 of the License, or (at your option) any later version.

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

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

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!

# 1.3 jansson 2.11

# 1.3.1 Available under license:

Copyright (c) 2009-2018 Petri Lehtinen <petri@digip.org>

Permission is hereby granted, free of charge, to any person obtaining a copy of this software and associated documentation files (the "Software"), to deal in the Software without restriction, including without limitation the rights to use, copy, modify, merge, publish, distribute, sublicense, and/or sell copies of the Software, and to permit persons to whom the Software is furnished to do so, subject to the following conditions:

The above copyright notice and this permission notice shall be included in all copies or substantial portions of the Software.

THE SOFTWARE IS PROVIDED "AS IS", WITHOUT WARRANTY OF ANY KIND, EXPRESS OR IMPLIED, INCLUDING BUT NOT LIMITED TO THE WARRANTIES OF MERCHANTABILITY, FITNESS FOR A PARTICULAR PURPOSE AND NONINFRINGEMENT. IN NO EVENT SHALL THE AUTHORS OR COPYRIGHT HOLDERS BE LIABLE FOR ANY CLAIM, DAMAGES OR OTHER LIABILITY, WHETHER IN AN ACTION OF CONTRACT, TORT OR OTHERWISE, ARISING FROM, OUT OF OR IN CONNECTION WITH THE SOFTWARE OR THE USE OR OTHER DEALINGS IN THE SOFTWARE.

# 1.4 pcre 10.34

# 1.4.1 Available under license:

PCRE2 LICENCE

Please see the file LICENCE in the PCRE2 distribution for licensing details.

End
PCRE2 LICENCE

PCRE2 is a library of functions to support regular expressions whose syntax

and semantics are as close as possible to those of the Perl 5 language.

Releases 10.00 and above of PCRE2 are distributed under the terms of the "BSD" licence, as specified below, with one exemption for certain binary redistributions. The documentation for PCRE2, supplied in the "doc" directory, is distributed under the same terms as the software itself. The data in the testdata directory is not copyrighted and is in the public domain.

The basic library functions are written in C and are freestanding. Also included in the distribution is a just-in-time compiler that can be used to optimize pattern matching. This is an optional feature that can be omitted when the library is built.

#### THE BASIC LIBRARY FUNCTIONS

-----

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

University of Cambridge Computing Service, Cambridge, England.

Copyright (c) 1997-2019 University of Cambridge All rights reserved.

#### PCRE2 JUST-IN-TIME COMPILATION SUPPORT

-----

Written by: Zoltan Herczeg Email local part: hzmester Email domain: freemail.hu

Copyright(c) 2010-2019 Zoltan Herczeg All rights reserved.

#### STACK-LESS JUST-IN-TIME COMPILER

-----

Written by: Zoltan Herczeg Email local part: hzmester Email domain: freemail.hu

Copyright(c) 2009-2019 Zoltan Herczeg All rights reserved.

#### THE "BSD" LICENCE

-----

Redistribution and use in source and binary forms, with or without modification, are permitted provided that the following conditions are met:

- \* Redistributions of source code must retain the above copyright notices, this list of conditions and the following disclaimer.
- \* Redistributions in binary form must reproduce the above copyright notices, this list of conditions and the following disclaimer in the documentation and/or other materials provided with the distribution.
- \* Neither the name of the University of Cambridge nor the names of any contributors may be used to endorse or promote products derived from this software without specific prior written permission.

THIS SOFTWARE IS PROVIDED BY THE COPYRIGHT HOLDERS AND CONTRIBUTORS "AS IS" AND ANY EXPRESS OR IMPLIED WARRANTIES, INCLUDING, BUT NOT LIMITED TO, THE IMPLIED WARRANTIES OF MERCHANTABILITY AND FITNESS FOR A PARTICULAR PURPOSE ARE DISCLAIMED. IN NO EVENT SHALL THE COPYRIGHT OWNER OR CONTRIBUTORS BE LIABLE FOR ANY DIRECT, INDIRECT, INCIDENTAL, SPECIAL, EXEMPLARY, OR CONSEQUENTIAL DAMAGES (INCLUDING, BUT NOT LIMITED TO, PROCUREMENT OF SUBSTITUTE GOODS OR SERVICES; LOSS OF USE, DATA, OR PROFITS; OR BUSINESS INTERRUPTION) HOWEVER CAUSED AND ON ANY THEORY OF LIABILITY, WHETHER IN CONTRACT, STRICT LIABILITY, OR TORT (INCLUDING NEGLIGENCE OR OTHERWISE) ARISING IN ANY WAY OUT OF THE USE OF THIS SOFTWARE, EVEN IF ADVISED OF THE POSSIBILITY OF SUCH DAMAGE.

#### EXEMPTION FOR BINARY LIBRARY-LIKE PACKAGES

-----

The second condition in the BSD licence (covering binary redistributions) does not apply all the way down a chain of software. If binary package A includes PCRE2, it must respect the condition, but if package B is software that includes package A, the condition is not imposed on package B unless it uses PCRE2 independently.

#### End

Redistribution and use in source and binary forms, with or without modification, are permitted provided that the following conditions are met:

1. Redistributions of source code must retain the copyright notice, this list of conditions and the following disclaimer.

- 2. Redistributions in binary form must reproduce the copyright notice, this list of conditions and the following disclaimer in the documentation and/or other materials provided with the distribution.
- 3. The name of the author may not be used to endorse or promote products derived from this software without specific prior written permission.

THIS SOFTWARE IS PROVIDED BY THE AUTHOR "AS IS" AND ANY EXPRESS OR IMPLIED WARRANTIES, INCLUDING, BUT NOT LIMITED TO, THE IMPLIED WARRANTIES OF MERCHANTABILITY AND FITNESS FOR A PARTICULAR PURPOSE ARE DISCLAIMED. IN NO EVENT SHALL THE AUTHOR BE LIABLE FOR ANY DIRECT, INDIRECT, INCIDENTAL, SPECIAL, EXEMPLARY, OR CONSEQUENTIAL DAMAGES (INCLUDING, BUT NOT LIMITED TO, PROCUREMENT OF SUBSTITUTE GOODS OR SERVICES; LOSS OF USE, DATA, OR PROFITS; OR BUSINESS INTERRUPTION) HOWEVER CAUSED AND ON ANY THEORY OF LIABILITY, WHETHER IN CONTRACT, STRICT LIABILITY, OR TORT (INCLUDING NEGLIGENCE OR OTHERWISE) ARISING IN ANY WAY OUT OF THE USE OF THIS SOFTWARE, EVEN IF ADVISED OF THE POSSIBILITY OF SUCH DAMAGE.

# 1.5 cre2 0.3.1

## 1.5.1 Available under license:

```
// Copyright (c) 2009 The RE2 Authors. All rights reserved.
// Redistribution and use in source and binary forms, with or without
// modification, are permitted provided that the following conditions are
// met:
// * Redistributions of source code must retain the above copyright
// notice, this list of conditions and the following disclaimer.
// * Redistributions in binary form must reproduce the above
// copyright notice, this list of conditions and the following disclaimer
// in the documentation and/or other materials provided with the
// distribution.
// * Neither the name of Google Inc. nor the names of its
// contributors may be used to endorse or promote products derived from
// this software without specific prior written permission.
//
// THIS SOFTWARE IS PROVIDED BY THE COPYRIGHT HOLDERS AND CONTRIBUTORS
// "AS IS" AND ANY EXPRESS OR IMPLIED WARRANTIES, INCLUDING, BUT NOT
// LIMITED TO, THE IMPLIED WARRANTIES OF MERCHANTABILITY AND FITNESS FOR
// A PARTICULAR PURPOSE ARE DISCLAIMED. IN NO EVENT SHALL THE COPYRIGHT
// OWNER OR CONTRIBUTORS BE LIABLE FOR ANY DIRECT, INDIRECT, INCIDENTAL.
// SPECIAL, EXEMPLARY, OR CONSEQUENTIAL DAMAGES (INCLUDING, BUT NOT
// LIMITED TO, PROCUREMENT OF SUBSTITUTE GOODS OR SERVICES; LOSS OF USE,
// DATA, OR PROFITS; OR BUSINESS INTERRUPTION) HOWEVER CAUSED AND ON ANY
// THEORY OF LIABILITY, WHETHER IN CONTRACT, STRICT LIABILITY, OR TORT
// (INCLUDING NEGLIGENCE OR OTHERWISE) ARISING IN ANY WAY OUT OF THE USE
// OF THIS SOFTWARE, EVEN IF ADVISED OF THE POSSIBILITY OF SUCH DAMAGE.
```

Copyright (c) 2012 Marco Maggi <a href="marco.maggi-ipsu@poste.it">marco.maggi-ipsu@poste.it</a> Copyright (c) 2011 Keegan McAllister All rights reserved.

Redistribution and use in source and binary forms, with or without modification, are permitted provided that the following conditions are met:

- 1. Redistributions of source code must retain the above copyright notice, this list of conditions and the following disclaimer.
- Redistributions in binary form must reproduce the above copyright notice, this list of conditions and the following disclaimer in the documentation and/or other materials provided with the distribution.
- 3. Neither the name of the author nor the names of his contributors may be used to endorse or promote products derived from this software without specific prior written permission.

THIS SOFTWARE IS PROVIDED BY THE COPYRIGHT HOLDERS AND CONTRIBUTORS "AS IS" AND ANY EXPRESS OR IMPLIED WARRANTIES, INCLUDING, BUT NOT LIMITED TO, THE IMPLIED WARRANTIES OF MERCHANTABILITY AND FITNESS FOR A PARTICULAR PURPOSE ARE DISCLAIMED. IN NO EVENT SHALL THE AUTHORS OR CONTRIBUTORS BE LIABLE FOR ANY DIRECT, INDIRECT, INCIDENTAL, SPECIAL, EXEMPLARY, OR CONSEQUENTIAL DAMAGES (INCLUDING, BUT NOT LIMITED TO, PROCUREMENT OF SUBSTITUTE GOODS OR SERVICES; LOSS OF USE, DATA, OR PROFITS; OR BUSINESS INTERRUPTION) HOWEVER CAUSED AND ON ANY THEORY OF LIABILITY, WHETHER IN CONTRACT, STRICT LIABILITY, OR TORT (INCLUDING NEGLIGENCE OR OTHERWISE) ARISING IN ANY WAY OUT OF THE USE OF THIS SOFTWARE, EVEN IF ADVISED OF THE POSSIBILITY OF SUCH DAMAGE.

# 1.6 libedit 20180525-3.1

## 1.6.1 Available under license:

Copyright (c) 1992, 1993

The Regents of the University of California. All rights reserved.

This code is derived from software contributed to Berkeley by Christos Zoulas of Cornell University.

Redistribution and use in source and binary forms, with or without modification, are permitted provided that the following conditions

#### are met:

- 1. Redistributions of source code must retain the above copyright notice, this list of conditions and the following disclaimer.
- 2. Redistributions in binary form must reproduce the above copyright notice, this list of conditions and the following disclaimer in the documentation and/or other materials provided with the distribution.
- 3. Neither the name of the University nor the names of its contributors may be used to endorse or promote products derived from this software without specific prior written permission.

THIS SOFTWARE IS PROVIDED BY THE REGENTS AND CONTRIBUTORS "AS IS" AND ANY EXPRESS OR IMPLIED WARRANTIES, INCLUDING, BUT NOT LIMITED TO, THE IMPLIED WARRANTIES OF MERCHANTABILITY AND FITNESS FOR A PARTICULAR PURPOSE ARE DISCLAIMED. IN NO EVENT SHALL THE REGENTS OR CONTRIBUTORS BE LIABLE FOR ANY DIRECT, INDIRECT, INCIDENTAL, SPECIAL, EXEMPLARY, OR CONSEQUENTIAL DAMAGES (INCLUDING, BUT NOT LIMITED TO, PROCUREMENT OF SUBSTITUTE GOODS OR SERVICES; LOSS OF USE, DATA, OR PROFITS; OR BUSINESS INTERRUPTION) HOWEVER CAUSED AND ON ANY THEORY OF LIABILITY, WHETHER IN CONTRACT, STRICT LIABILITY, OR TORT (INCLUDING NEGLIGENCE OR OTHERWISE) ARISING IN ANY WAY OUT OF THE USE OF THIS SOFTWARE, EVEN IF ADVISED OF THE POSSIBILITY OF SUCH DAMAGE.

# 1.7 redirfs 1.0.5

# 1.7.1 Available under license:

GNU GENERAL PUBLIC LICENSE

Version 3, 29 June 2007

Copyright (C) 2007 Free Software Foundation, Inc. <a href="http://fsf.org/">http://fsf.org/</a>
Everyone is permitted to copy and distribute verbatim copies of this license document, but changing it is not allowed.

#### Preamble

The GNU General Public License is a free, copyleft license for software and other kinds of works.

The licenses for most software and other practical works are designed to take away your freedom to share and change the works. By contrast, the GNU General Public License is 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. We, the Free Software Foundation, use the GNU General Public License for most of our software; it applies also to any other work released this way by its authors. You can apply it to your programs, too.

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

price. Our General Public Licenses are designed to make sure that you have the freedom to distribute copies of free software (and charge for them if you wish), that you receive source code or can get it if you want it, that you can change the software or use pieces of it in new free programs, and that you know you can do these things.

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

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

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

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

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

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

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

#### TERMS AND CONDITIONS

#### 0. Definitions.

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

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

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

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

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

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

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

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

#### 1. Source Code.

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

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

standard defined by a recognized standards body, or, in the case of interfaces specified for a particular programming language, one that is widely used among developers working in that language.

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

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

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

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

#### 2. Basic Permissions.

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 section7. 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 received notice of violation of this License (for any work) from that copyright holder, and you cure the violation prior to 30 days after your receipt of the notice.

Termination of your rights under this section does not terminate the licenses of parties who have received copies or rights from you under 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.

## 10. Automatic Licensing of Downstream Recipients.

Each time you convey a covered work, the recipient automatically receives a license from the original licensors, to run, modify and 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

organization, or merging organizations. If propagation of a covered 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 rights granted or affirmed under this License. For example, you may not impose a license fee, royalty, or other charge for exercise of rights granted under this License, and you may not initiate litigation (including a cross-claim or counterclaim in a lawsuit) alleging that any patent claim is infringed by making, using, selling, offering for sale, or importing the Program or any portion of it.

#### 11. Patents.

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 owned or controlled by the contributor, whether already acquired or hereafter acquired, that would be infringed by some manner, permitted by this License, of making, using, or selling its contributor version, but do not include claims that would be infringed only as a consequence of further modification of the contributor version. For purposes of this definition, "control" includes the right to grant patent sublicenses in a manner consistent with the requirements of 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 covered work in a country, or your recipient's use of the covered work in a country, would infringe one or more identifiable patents in that 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 specifically granted under this License. You may not convey a covered work if you are a party to an arrangement with a third party that is in the business of distributing software, under which you make payment to the third party based on the extent of your activity of conveying 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 for and in connection with specific products or compilations that contain the covered work, unless you entered into that arrangement, or that patent license was granted, prior to 28 March 2007.

Nothing in this License shall be construed as excluding or limiting any implied license or other defenses to infringement that may otherwise be available to you under applicable patent law.

#### 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 excuse you from the conditions of this License. If you cannot convey a 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. Use with the GNU Affero General Public License.

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 Affero 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 special requirements of the GNU Affero General Public License, section 13, concerning interaction through a network will apply to the combination as such.

#### 14. Revised Versions of this License.

The Free Software Foundation may publish revised and/or new versions of the GNU 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 Program specifies that a certain numbered version of the GNU General Public License "or any later version" applies to it, you have the option of following the terms and conditions either of that numbered version or of any later version published by the Free Software Foundation. If the Program does not specify a version number of the GNU General Public License, you may choose any version ever published by the Free Software Foundation.

If the Program specifies that a proxy can decide which future versions of the GNU General Public License can be used, that proxy's public statement of acceptance of a version permanently authorizes you to choose that version for the Program.

Later license versions may give you additional or different permissions. However, no additional obligations are imposed on any author or copyright holder as a result of your choosing to follow a later version.

## 15. Disclaimer of Warranty.

THERE IS NO WARRANTY FOR THE PROGRAM, TO THE EXTENT PERMITTED BY APPLICABLE LAW. EXCEPT WHEN OTHERWISE STATED IN WRITING THE COPYRIGHT HOLDERS AND/OR OTHER PARTIES PROVIDE THE PROGRAM "AS IS" WITHOUT WARRANTY OF ANY KIND, EITHER EXPRESSED OR IMPLIED, INCLUDING, BUT NOT LIMITED TO, THE IMPLIED WARRANTIES OF MERCHANTABILITY AND FITNESS FOR A PARTICULAR PURPOSE. THE ENTIRE RISK AS TO THE QUALITY AND PERFORMANCE OF THE PROGRAM IS WITH YOU. SHOULD THE PROGRAM PROVE DEFECTIVE, YOU ASSUME THE COST OF ALL NECESSARY SERVICING, REPAIR OR CORRECTION.

#### 16. Limitation of Liability.

IN NO EVENT UNLESS REQUIRED BY APPLICABLE LAW OR AGREED TO IN WRITING WILL ANY COPYRIGHT HOLDER, OR ANY OTHER PARTY WHO MODIFIES AND/OR CONVEYS THE PROGRAM AS PERMITTED ABOVE, BE LIABLE TO YOU FOR DAMAGES, INCLUDING ANY GENERAL, SPECIAL, INCIDENTAL OR CONSEQUENTIAL DAMAGES ARISING OUT OF THE USE OR INABILITY TO USE THE PROGRAM (INCLUDING BUT NOT LIMITED TO LOSS OF DATA OR DATA BEING RENDERED INACCURATE OR LOSSES SUSTAINED BY YOU OR THIRD PARTIES OR A FAILURE OF THE PROGRAM TO OPERATE WITH ANY OTHER PROGRAMS), EVEN IF SUCH HOLDER OR OTHER PARTY HAS BEEN ADVISED OF THE POSSIBILITY OF SUCH DAMAGES.

#### 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 an absolute waiver of all civil liability in connection with the Program, unless a warranty or assumption of liability accompanies a copy of the Program in return for a fee.

#### END OF TERMS AND CONDITIONS

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.>
Copyright (C) <year> <name of author>

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

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

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

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

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

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

You should also get your employer (if you work as a programmer) or school, if any, to sign a "copyright disclaimer" for the program, if necessary. For more information on this, and how to apply and follow the GNU GPL, see <a href="http://www.gnu.org/licenses/">http://www.gnu.org/licenses/</a>>.

The GNU General Public License does not permit incorporating your program into proprietary programs. If your program is a subroutine library, you may consider it more useful to permit linking proprietary applications with the library. If this is what you want to do, use the GNU Lesser General Public License instead of this License. But first, please read <a href="http://www.gnu.org/philosophy/why-not-lgpl.html">http://www.gnu.org/philosophy/why-not-lgpl.html</a>. Copyright (c) 2007 Jan Podrouzek <podrouzek at gmail dot com>

Permission is hereby granted, free of charge, to any person obtaining a copy of this software and associated documentation files (the "Software"), to deal in the Software without restriction, including without limitation the rights to use, copy, modify, merge, publish, distribute, sublicense, and/or sell copies of the Software, and to permit persons to whom the Software is furnished to do so, subject to the following conditions:

The above copyright notice and this permission notice shall be included in all copies or substantial portions of the Software.

THE SOFTWARE IS PROVIDED "AS IS", WITHOUT WARRANTY OF ANY KIND, EXPRESS OR IMPLIED, INCLUDING BUT NOT LIMITED TO THE WARRANTIES OF MERCHANTABILITY, FITNESS FOR A PARTICULAR PURPOSE AND NONINFRINGEMENT. IN NO EVENT SHALL THE AUTHORS OR COPYRIGHT HOLDERS BE LIABLE FOR ANY CLAIM, DAMAGES OR OTHER LIABILITY, WHETHER IN AN ACTION OF CONTRACT, TORT OR OTHERWISE, ARISING FROM, OUT OF OR IN CONNECTION WITH THE SOFTWARE OR THE USE OR OTHER DEALINGS IN THE SOFTWARE.

Permission is hereby granted, free of charge, to any person or organization obtaining a copy of the software and accompanying documentation covered by this license (the "Software") to use, reproduce, display, distribute, execute, and transmit the Software, and to prepare derivative works of the Software, and to permit third-parties to whom the Software is furnished to do so, all subject to the following:

The copyright notices in the Software and this entire statement, including the above license grant, this restriction and the following disclaimer, must be included in all copies of the Software, in whole or in part, and all derivative works of the Software, unless such copies or derivative works are solely in the form of machine-executable object code generated by a source language processor.

THE SOFTWARE IS PROVIDED "AS IS", WITHOUT WARRANTY OF ANY KIND, EXPRESS OR IMPLIED, INCLUDING BUT NOT LIMITED TO THE WARRANTIES OF MERCHANTABILITY, FITNESS FOR A PARTICULAR PURPOSE, TITLE AND NON-INFRINGEMENT. IN NO EVENT SHALL THE COPYRIGHT HOLDERS OR ANYONE DISTRIBUTING THE SOFTWARE BE LIABLE FOR ANY DAMAGES OR OTHER LIABILITY, WHETHER IN CONTRACT, TORT OR OTHERWISE, ARISING FROM, OUT OF OR IN CONNECTION WITH THE SOFTWARE OR THE USE OR OTHER DEALINGS IN THE SOFTWARE.

# 1.8 avflt 1.5

## 1.8.1 Available under license:

Copyright (c) 2007 Jan Podrouzek <podrouzek at gmail dot com>

Permission is hereby granted, free of charge, to any person obtaining a copy of this software and associated documentation files (the "Software"), to deal in the Software without restriction, including without limitation the rights to use, copy, modify, merge, publish, distribute, sublicense, and/or sell copies of the Software, and to permit persons to whom the Software is furnished to do so, subject to the following conditions:

The above copyright notice and this permission notice shall be included in all copies or substantial portions of the Software.

THE SOFTWARE IS PROVIDED "AS IS", WITHOUT WARRANTY OF ANY KIND, EXPRESS OR IMPLIED, INCLUDING BUT NOT LIMITED TO THE WARRANTIES OF MERCHANTABILITY, FITNESS FOR A PARTICULAR PURPOSE AND NONINFRINGEMENT. IN NO EVENT SHALL THE AUTHORS OR COPYRIGHT HOLDERS BE LIABLE FOR ANY CLAIM, DAMAGES OR OTHER LIABILITY, WHETHER IN AN ACTION OF CONTRACT, TORT OR OTHERWISE, ARISING FROM, OUT OF OR IN CONNECTION WITH THE SOFTWARE OR THE USE OR OTHER DEALINGS IN THE SOFTWARE.

#### GNU GENERAL PUBLIC LICENSE

Version 3, 29 June 2007

Copyright (C) 2007 Free Software Foundation, Inc. <a href="http://fsf.org/">http://fsf.org/</a> Everyone is permitted to copy and distribute verbatim copies of this license document, but changing it is not allowed.

#### Preamble

The GNU General Public License is a free, copyleft license for software and other kinds of works.

The licenses for most software and other practical works are designed to take away your freedom to share and change the works. By contrast, the GNU General Public License is 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. We, the Free Software Foundation, use the GNU General Public License for most of our software; it applies also to any other work released this way by its authors. You can apply it to your programs, too.

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

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

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

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

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

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

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

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

#### TERMS AND CONDITIONS

#### 0. Definitions.

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

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

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

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

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

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

public, and in some countries other activities as well.

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

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

#### 1. Source Code.

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

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

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

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

subprograms and other parts of the work.

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

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

#### 2. Basic Permissions.

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 received notice of violation of this License (for any work) from that copyright holder, and you cure the violation prior to 30 days after your receipt of the notice.

Termination of your rights under this section does not terminate the licenses of parties who have received copies or rights from you under this License. If your rights have been terminated and not permanently reinstated, you do not qualify to receive new licenses for the same

# 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.

## 10. Automatic Licensing of Downstream Recipients.

Each time you convey a covered work, the recipient automatically receives a license from the original licensors, to run, modify and 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 organization, or merging organizations. If propagation of a covered 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 rights granted or affirmed under this License. For example, you may not impose a license fee, royalty, or other charge for exercise of rights granted under this License, and you may not initiate litigation (including a cross-claim or counterclaim in a lawsuit) alleging that any patent claim is infringed by making, using, selling, offering for sale, or importing the Program or any portion of it.

# 11. Patents.

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 owned or controlled by the contributor, whether already acquired or hereafter acquired, that would be infringed by some manner, permitted by this License, of making, using, or selling its contributor version,

but do not include claims that would be infringed only as a consequence of further modification of the contributor version. For purposes of this definition, "control" includes the right to grant patent sublicenses in a manner consistent with the requirements of 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 covered work in a country, or your recipient's use of the covered work in a country, would infringe one or more identifiable patents in that 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 specifically granted under this License. You may not convey a covered work if you are a party to an arrangement with a third party that is in the business of distributing software, under which you make payment to the third party based on the extent of your activity of conveying 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 for and in connection with specific products or compilations that contain the covered work, unless you entered into that arrangement, or that patent license was granted, prior to 28 March 2007.

Nothing in this License shall be construed as excluding or limiting any implied license or other defenses to infringement that may otherwise be available to you under applicable patent law.

#### 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 excuse you from the conditions of this License. If you cannot convey a 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. Use with the GNU Affero General Public License.

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 Affero 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 special requirements of the GNU Affero General Public License, section 13, concerning interaction through a network will apply to the combination as such.

#### 14. Revised Versions of this License.

The Free Software Foundation may publish revised and/or new versions of the GNU 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 Program specifies that a certain numbered version of the GNU General Public License "or any later version" applies to it, you have the option of following the terms and conditions either of that numbered version or of any later version published by the Free Software Foundation. If the Program does not specify a version number of the GNU General Public License, you may choose any version ever published

by the Free Software Foundation.

If the Program specifies that a proxy can decide which future versions of the GNU General Public License can be used, that proxy's public statement of acceptance of a version permanently authorizes you to choose that version for the Program.

Later license versions may give you additional or different permissions. However, no additional obligations are imposed on any author or copyright holder as a result of your choosing to follow a later version.

#### 15. Disclaimer of Warranty.

THERE IS NO WARRANTY FOR THE PROGRAM, TO THE EXTENT PERMITTED BY APPLICABLE LAW. EXCEPT WHEN OTHERWISE STATED IN WRITING THE COPYRIGHT HOLDERS AND/OR OTHER PARTIES PROVIDE THE PROGRAM "AS IS" WITHOUT WARRANTY OF ANY KIND, EITHER EXPRESSED OR IMPLIED, INCLUDING, BUT NOT LIMITED TO, THE IMPLIED WARRANTIES OF MERCHANTABILITY AND FITNESS FOR A PARTICULAR PURPOSE. THE ENTIRE RISK AS TO THE QUALITY AND PERFORMANCE OF THE PROGRAM IS WITH YOU. SHOULD THE PROGRAM PROVE DEFECTIVE, YOU ASSUME THE COST OF ALL NECESSARY SERVICING, REPAIR OR CORRECTION.

#### 16. Limitation of Liability.

IN NO EVENT UNLESS REQUIRED BY APPLICABLE LAW OR AGREED TO IN WRITING WILL ANY COPYRIGHT HOLDER, OR ANY OTHER PARTY WHO MODIFIES AND/OR CONVEYS THE PROGRAM AS PERMITTED ABOVE, BE LIABLE TO YOU FOR DAMAGES, INCLUDING ANY GENERAL, SPECIAL, INCIDENTAL OR CONSEQUENTIAL DAMAGES ARISING OUT OF THE USE OR INABILITY TO USE THE PROGRAM (INCLUDING BUT NOT LIMITED TO LOSS OF DATA OR DATA BEING RENDERED INACCURATE OR LOSSES SUSTAINED BY YOU OR THIRD PARTIES OR A FAILURE OF THE PROGRAM TO OPERATE WITH ANY OTHER PROGRAMS), EVEN IF SUCH HOLDER OR OTHER PARTY HAS BEEN ADVISED OF THE POSSIBILITY OF SUCH DAMAGES.

#### 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 an absolute waiver of all civil liability in connection with the Program, unless a warranty or assumption of liability accompanies a copy of the Program in return for a fee.

#### END OF TERMS AND CONDITIONS

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.>
Copyright (C) <year> <name of author>

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

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

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

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

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

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

You should also get your employer (if you work as a programmer) or school, if any, to sign a "copyright disclaimer" for the program, if necessary. For more information on this, and how to apply and follow the GNU GPL, see <a href="http://www.gnu.org/licenses/">http://www.gnu.org/licenses/</a>>.

The GNU General Public License does not permit incorporating your program into proprietary programs. If your program is a subroutine library, you may consider it more useful to permit linking proprietary applications with the library. If this is what you want to do, use the GNU Lesser General

Public License instead of this License. But first, please read <a href="http://www.gnu.org/philosophy/why-not-lgpl.html">http://www.gnu.org/philosophy/why-not-lgpl.html</a>.
Boost Software License - Version 1.0 - August 17th, 2003

Permission is hereby granted, free of charge, to any person or organization obtaining a copy of the software and accompanying documentation covered by this license (the "Software") to use, reproduce, display, distribute, execute, and transmit the Software, and to prepare derivative works of the Software, and to permit third-parties to whom the Software is furnished to do so, all subject to the following:

The copyright notices in the Software and this entire statement, including the above license grant, this restriction and the following disclaimer, must be included in all copies of the Software, in whole or in part, and all derivative works of the Software, unless such copies or derivative works are solely in the form of machine-executable object code generated by a source language processor.

THE SOFTWARE IS PROVIDED "AS IS", WITHOUT WARRANTY OF ANY KIND, EXPRESS OR IMPLIED, INCLUDING BUT NOT LIMITED TO THE WARRANTIES OF MERCHANTABILITY, FITNESS FOR A PARTICULAR PURPOSE, TITLE AND NON-INFRINGEMENT. IN NO EVENT SHALL THE COPYRIGHT HOLDERS OR ANYONE DISTRIBUTING THE SOFTWARE BE LIABLE FOR ANY DAMAGES OR OTHER LIABILITY, WHETHER IN CONTRACT, TORT OR OTHERWISE, ARISING FROM, OUT OF OR IN CONNECTION WITH THE SOFTWARE OR THE USE OR OTHER DEALINGS IN THE SOFTWARE.

# 1.9 golang 1.11

# 1.9.1 Available under license:

Apache License
Version 2.0, January 2004
http://www.apache.org/licenses/

## TERMS AND CONDITIONS FOR USE, REPRODUCTION, AND DISTRIBUTION

# 1. Definitions.

"License" shall mean the terms and conditions for use, reproduction, and distribution as defined by Sections 1 through 9 of this document.

"Licensor" shall mean the copyright owner or entity authorized by the copyright owner that is granting the License.

"Legal Entity" shall mean the union of the acting entity and all other entities that control, are controlled by, or are under common control with that entity. For the purposes of this definition, "control" means (i) the power, direct or indirect, to cause the

direction or management of such entity, whether by contract or otherwise, or (ii) ownership of fifty percent (50%) or more of the outstanding shares, or (iii) beneficial ownership of such entity.

"You" (or "Your") shall mean an individual or Legal Entity exercising permissions granted by this License.

"Source" form shall mean the preferred form for making modifications, including but not limited to software source code, documentation source, and configuration files.

"Object" form shall mean any form resulting from mechanical transformation or translation of a Source form, including but not limited to compiled object code, generated documentation, and conversions to other media types.

"Work" shall mean the work of authorship, whether in Source or Object form, made available under the License, as indicated by a copyright notice that is included in or attached to the work (an example is provided in the Appendix below).

"Derivative Works" shall mean any work, whether in Source or Object form, that is based on (or derived from) the Work and for which the editorial revisions, annotations, elaborations, or other modifications represent, as a whole, an original work of authorship. For the purposes of this License, Derivative Works shall not include works that remain separable from, or merely link (or bind by name) to the interfaces of, the Work and Derivative Works thereof.

"Contribution" shall mean any work of authorship, including the original version of the Work and any modifications or additions to that Work or Derivative Works thereof, that is intentionally submitted to Licensor for inclusion in the Work by the copyright owner or by an individual or Legal Entity authorized to submit on behalf of the copyright owner. For the purposes of this definition, "submitted" means any form of electronic, verbal, or written communication sent to the Licensor or its representatives, including but not limited to communication on electronic mailing lists, source code control systems, and issue tracking systems that are managed by, or on behalf of, the Licensor for the purpose of discussing and improving the Work, but excluding communication that is conspicuously marked or otherwise designated in writing by the copyright owner as "Not a Contribution."

"Contributor" shall mean Licensor and any individual or Legal Entity on behalf of whom a Contribution has been received by Licensor and subsequently incorporated within the Work.

2. Grant of Copyright License. Subject to the terms and conditions of

- this License, each Contributor hereby grants to You a perpetual, worldwide, non-exclusive, no-charge, royalty-free, irrevocable copyright license to reproduce, prepare Derivative Works of, publicly display, publicly perform, sublicense, and distribute the Work and such Derivative Works in Source or Object form.
- 3. Grant of Patent License. Subject to the terms and conditions of this License, each Contributor hereby grants to You a perpetual, worldwide, non-exclusive, no-charge, royalty-free, irrevocable (except as stated in this section) patent license to make, have made, use, offer to sell, sell, import, and otherwise transfer the Work, where such license applies only to those patent claims licensable by such Contributor that are necessarily infringed by their Contribution(s) alone or by combination of their Contribution(s) with the Work to which such Contribution(s) was submitted. If You institute patent litigation against any entity (including a cross-claim or counterclaim in a lawsuit) alleging that the Work or a Contribution incorporated within the Work constitutes direct or contributory patent infringement, then any patent licenses granted to You under this License for that Work shall terminate as of the date such litigation is filed.
- 4. Redistribution. You may reproduce and distribute copies of the Work or Derivative Works thereof in any medium, with or without modifications, and in Source or Object form, provided that You meet the following conditions:
  - (a) You must give any other recipients of the Work or Derivative Works a copy of this License; and
  - (b) You must cause any modified files to carry prominent notices stating that You changed the files; and
  - (c) You must retain, in the Source form of any Derivative Works that You distribute, all copyright, patent, trademark, and attribution notices from the Source form of the Work, excluding those notices that do not pertain to any part of the Derivative Works; and
  - (d) If the Work includes a "NOTICE" text file as part of its distribution, then any Derivative Works that You distribute must include a readable copy of the attribution notices contained within such NOTICE file, excluding those notices that do not pertain to any part of the Derivative Works, in at least one of the following places: within a NOTICE text file distributed as part of the Derivative Works; within the Source form or documentation, if provided along with the Derivative Works; or, within a display generated by the Derivative Works, if and

wherever such third-party notices normally appear. The contents of the NOTICE file are for informational purposes only and do not modify the License. You may add Your own attribution notices within Derivative Works that You distribute, alongside or as an addendum to the NOTICE text from the Work, provided that such additional attribution notices cannot be construed as modifying the License.

You may add Your own copyright statement to Your modifications and may provide additional or different license terms and conditions for use, reproduction, or distribution of Your modifications, or for any such Derivative Works as a whole, provided Your use, reproduction, and distribution of the Work otherwise complies with the conditions stated in this License.

- 5. Submission of Contributions. Unless You explicitly state otherwise, any Contribution intentionally submitted for inclusion in the Work by You to the Licensor shall be under the terms and conditions of this License, without any additional terms or conditions. Notwithstanding the above, nothing herein shall supersede or modify the terms of any separate license agreement you may have executed with Licensor regarding such Contributions.
- 6. Trademarks. This License does not grant permission to use the trade names, trademarks, service marks, or product names of the Licensor, except as required for reasonable and customary use in describing the origin of the Work and reproducing the content of the NOTICE file.
- 7. Disclaimer of Warranty. Unless required by applicable law or agreed to in writing, Licensor provides the Work (and each Contributor provides its Contributions) on an "AS IS" BASIS, WITHOUT WARRANTIES OR CONDITIONS OF ANY KIND, either express or implied, including, without limitation, any warranties or conditions of TITLE, NON-INFRINGEMENT, MERCHANTABILITY, or FITNESS FOR A PARTICULAR PURPOSE. You are solely responsible for determining the appropriateness of using or redistributing the Work and assume any risks associated with Your exercise of permissions under this License.
- 8. Limitation of Liability. In no event and under no legal theory, whether in tort (including negligence), contract, or otherwise, unless required by applicable law (such as deliberate and grossly negligent acts) or agreed to in writing, shall any Contributor be liable to You for damages, including any direct, indirect, special, incidental, or consequential damages of any character arising as a result of this License or out of the use or inability to use the Work (including but not limited to damages for loss of goodwill, work stoppage, computer failure or malfunction, or any and all other commercial damages or losses), even if such Contributor

has been advised of the possibility of such damages.

9. Accepting Warranty or Additional Liability. While redistributing the Work or Derivative Works thereof, You may choose to offer, and charge a fee for, acceptance of support, warranty, indemnity, or other liability obligations and/or rights consistent with this License. However, in accepting such obligations, You may act only on Your own behalf and on Your sole responsibility, not on behalf of any other Contributor, and only if You agree to indemnify, defend, and hold each Contributor harmless for any liability incurred by, or claims asserted against, such Contributor by reason of your accepting any such warranty or additional liability.

#### END OF TERMS AND CONDITIONS

APPENDIX: How to apply the Apache License to your work.

To apply the Apache License to your work, attach the following boilerplate notice, with the fields enclosed by brackets "{}" replaced with your own identifying information. (Don't include the brackets!) The text should be enclosed in the appropriate comment syntax for the file format. We also recommend that a file or class name and description of purpose be included on the same "printed page" as the copyright notice for easier identification within third-party archives.

Copyright {yyyy} {name of copyright owner}

Licensed under the Apache License, Version 2.0 (the "License"); you may not use this file except in compliance with the License. You may obtain a copy of the License at

http://www.apache.org/licenses/LICENSE-2.0

Unless required by applicable law or agreed to in writing, software distributed under the License is distributed on an "AS IS" BASIS, WITHOUT WARRANTIES OR CONDITIONS OF ANY KIND, either express or implied. See the License for the specific language governing permissions and limitations under the License.

Copyright (c) 2009 The Go Authors. All rights reserved.

Redistribution and use in source and binary forms, with or without modification, are permitted provided that the following conditions are met:

- \* Redistributions of source code must retain the above copyright notice, this list of conditions and the following disclaimer.
- \* Redistributions in binary form must reproduce the above

copyright notice, this list of conditions and the following disclaimer in the documentation and/or other materials provided with the distribution.

\* Neither the name of Google Inc. nor the names of its contributors may be used to endorse or promote products derived from this software without specific prior written permission.

THIS SOFTWARE IS PROVIDED BY THE COPYRIGHT HOLDERS AND CONTRIBUTORS "AS IS" AND ANY EXPRESS OR IMPLIED WARRANTIES, INCLUDING, BUT NOT LIMITED TO, THE IMPLIED WARRANTIES OF MERCHANTABILITY AND FITNESS FOR A PARTICULAR PURPOSE ARE DISCLAIMED. IN NO EVENT SHALL THE COPYRIGHT OWNER OR CONTRIBUTORS BE LIABLE FOR ANY DIRECT, INDIRECT, INCIDENTAL, SPECIAL, EXEMPLARY, OR CONSEQUENTIAL DAMAGES (INCLUDING, BUT NOT LIMITED TO, PROCUREMENT OF SUBSTITUTE GOODS OR SERVICES; LOSS OF USE, DATA, OR PROFITS; OR BUSINESS INTERRUPTION) HOWEVER CAUSED AND ON ANY THEORY OF LIABILITY, WHETHER IN CONTRACT, STRICT LIABILITY, OR TORT (INCLUDING NEGLIGENCE OR OTHERWISE) ARISING IN ANY WAY OUT OF THE USE OF THIS SOFTWARE, EVEN IF ADVISED OF THE POSSIBILITY OF SUCH DAMAGE.

```
# This is the official list of people who can contribute
```

- # (and typically have contributed) code to the Go repository.
- # The AUTHORS file lists the copyright holders; this file
- # lists people. For example, Google employees are listed here
- # but not in AUTHORS, because Google holds the copyright.

#

- # Names should be added to this file only after verifying that
- # the individual or the individual's organization has agreed to
- # the appropriate Contributor License Agreement, found here:

#

- # http://code.google.com/legal/individual-cla-v1.0.html
- # http://code.google.com/legal/corporate-cla-v1.0.html

#

- # The agreement for individuals can be filled out on the web.
- # Names should be added to this file like so:
- # Individual's name < submission email address>
- # Individual's name <submission email address> <email2> <emailN>

#

- # An entry with multiple email addresses specifies that the
- # first address should be used in the submit logs and
- # that the other addresses should be recognized as the
- # same person when interacting with Gerrit.
- # Please keep the list sorted.

Aamir Khan <syst3m.w0rm@gmail.com>
Aaron France <aaron.l.france@gmail.com>
Aaron Jacobs <jacobsa@google.com>
Aaron Kemp <kemp.aaron@gmail.com>

Aaron Stein <aaronstein12@gmail.com>

Aaron Torres <tcboox@gmail.com>

Aaron Zinman <aaron@azinman.com>

Aarti Parikh <aarti.parikh@gmail.com>

Abe Haskins <abeisgreat@abeisgreat.com>

Abhinav Gupta <abhinav.g90@gmail.com>

Adam Azarchs <adam.azarchs@10xgenomics.com>

Adam Bender <abender@google.com>

Adam Eijdenberg <adam@continusec.com>

Adam Harvey <a harvey@php.net>

Adam Kisala <adam.kisala@gmail.com>

Adam Langley <agl@golang.org>

Adam Medzinski <adam.medzinski@gmail.com>

Adam Shannon <adamkshannon@gmail.com>

Adam Sindelar <adamsh@google.com>

Adam Thomason <a horizonte athomason@gmail.com>

Adam Woodbeck <adam@woodbeck.net>

Aditya Mukerjee <dev@chimeracoder.net>

Adrian Hesketh <adrianhesketh@hushmail.com>

Adrian Nos <nos.adrian@gmail.com>

Adrian O'Grady <elpollouk@gmail.com>

Adrien Bustany <adrien-xx-google@bustany.org>

Adrien Petel eteladrien@gmail.com>

Acio Jnior <aeciodantasjunior@gmail.com>

Aeneas Rekkas (arekkas) <aeneas@ory.am>

Afanasev Stanislav <phpprogger@gmail.com>

Agis Anastasopoulos <agis.anast@gmail.com>

Agniva De Sarker <agnivade@yahoo.co.in>

Ahmed Wahed <oneofone@gmail.com>

Ahmet Alp Balkan <ahmetb@google.com>

Ahmet Soormally <ahmet@mangomm.co.uk>

Ahmy Yulrizka <yulrizka@gmail.com>

Aiden Scandella <ai@uber.com>

Ainar Garipov < gugl.zadolbal@gmail.com>

Aishraj Dahal <aishraj@users.noreply.github.com>

Akhil Indurti <contact@akhilindurti.com>

Akihiro Suda <suda.kyoto@gmail.com>

Akshat Kumar < seed@mail.nanosouffle.net>

Alan Donovan <adonovan@google.com>

Alan Shreve <alan@inconshreveable.com>

Albert Nigmatzianov <albertnigma@gmail.com>

Albert Strasheim <fullung@gmail.com>

Albert Yu <yukinying@gmail.com>

Alberto Bertogli <albertito@blitiri.com.ar>

Alberto Donizetti <alb.donizetti@gmail.com>

Alberto Garca Hierro <alberto@garciahierro.com> <alberto.garcia.hierro@gmail.com>

Aleksandar Dezelin <dezelin@gmail.com>

Aleksandr Lukinykh <a.lukinykh@xsolla.com>

Alekseev Artem <a.artem060@gmail.com>

Alessandro Arzilli <alessandro.arzilli@gmail.com>

Alessandro Baffa <alessandro.baffa@gmail.com>

Alex A Skinner <alex@lx.lc>

Alex Brainman <alex.brainman@gmail.com>

Alex Bramley <abramley@google.com>

Alex Browne <stephenalexbrowne@gmail.com>

Alex Carol <alex.carol.c@gmail.com>

Alex Jin <toalexjin@gmail.com>

Alex Myasoedov <msoedov@gmail.com>

Alex Plugaru <alex@plugaru.org> <alexandru.plugaru@gmail.com>

Alex Schroeder <alex@gnu.org>

Alex Sergeyev <abc@alexsergeyev.com>

Alex Vaghin <crhyme@google.com>

Alexander Demakin <alexander.demakin@gmail.com>

Alexander Dring <email@alexd.ch>

Alexander F Rdseth <alexander.rodseth@appeartv.com>

Alexander Guz <kalimatas@gmail.com>

Alexander Kauer <alexander@affine.space>

Alexander Kucherenko <alxkchr@gmail.com>

Alexander Larsson <alexander.larsson@gmail.com>

Alexander Menzhinsky <amenzhinsky@gmail.com>

Alexander Morozov < lk4d4math@gmail.com>

Alexander Neumann <alexander@bumpern.de>

Alexander Orlov <alexander.orlov@loxal.net>

Alexander Pantyukhin <apantykhin@gmail.com>

Alexander Polcyn <apolcyn@google.com>

Alexander Reece <a wreece @gmail.com>

Alexander Surma < surma@surmair.de>

Alexander Zhavnerchik <alex.vizor@gmail.com>

Alexander Zolotov <goldifit@gmail.com>

Alexandre Cesaro <alexandre.cesaro@gmail.com>

Alexandre Fiori <fiorix@gmail.com>

Alexandre Normand <alexandre.normand@gmail.com>

Alexandre Parentea <aubonbeurre@gmail.com>

Alexandre Viau <alexandre@alexandreviau.net>

Alexandru Mooi <br/> <br/> brtzsnr@gmail.com>

Alexei Sholik <alcosholik@gmail.com>

Alexey Borzenkov <snaury@gmail.com>

Alexey Neganov <neganovalexey@gmail.com>

Alexey Palazhchenko <alexey.palazhchenko@gmail.com>

Alexis Hildebrandt <surryhill@gmail.com>

Alexis Hunt < lexer@google.com>

Alexis Imperial-Legrand <ail@google.com>

Ali Rizvi-Santiago <arizvisa@gmail.com>

Aliaksandr Valialkin <valyala@gmail.com>

Alif Rachmawadi <subosito@gmail.com>

Allan Simon <allan.simon@supinfo.com>

Alok Menghrajani <alok.menghrajani@gmail.com>

Aman Gupta <aman@tmm1.net>

Amir Mohammad Saied <amir@gluegadget.com>

Amr Mohammed <merodiro@gmail.com>

Amrut Joshi <amrut.joshi@gmail.com>

Anand K. Mistry <anand@mistry.ninja>

Anders Pearson <anders@columbia.edu>

Andr Carvalho <asantostc@gmail.com>

Andre Nathan <andrenth@gmail.com>

Andrea Spadaccini <spadaccio@google.com>

Andreas Auernhammer <aead@mail.de>

Andreas Jellinghaus <andreas@ionisiert.de> <anj@google.com>

Andreas Litt <andreas.litt@gmail.com>

Andrei Korzhevskii <a.korzhevskiy@gmail.com>

Andrei Tudor Clin <mail@acln.ro>

Andrei Vieru <euvieru@gmail.com>

Andres Erbsen <andreser@google.com>

Andrew Austin <andrewaclt@gmail.com>

Andrew Balholm <andybalholm@gmail.com>

Andrew Benton <andrewmbenton@gmail.com>

Andrew Bonventre <andybons@chromium.org>

Andrew Braunstein <a wbraunstein@gmail.com>

Andrew Bursavich <abursavich@gmail.com>

Andrew Ekstedt <andrew.ekstedt@gmail.com>

Andrew Etter <andrew.etter@gmail.com>

Andrew Gerrand <adg@golang.org>

Andrew Harding <andrew@spacemonkey.com>

Andrew Jackura <a jackura@google.com>

Andrew Lutomirski <andy@luto.us>

Andrew Pilloud <andrewpilloud@igneoussystems.com>

Andrew Pogrebnoy <absourd.noise@gmail.com>

Andrew Pritchard <awpritchard@gmail.com>

Andrew Radev <andrey.radev@gmail.com>

Andrew Skiba <skibaa@gmail.com>

Andrew Szeto <andrew@jabagawee.com>

Andrew Werner <andrew@upthere.com> <awerner32@gmail.com>

Andrew Wilkins <axwalk@gmail.com>

Andrew Williams < williams.andrew@gmail.com>

Andrey Mirtchovski <mirtchovski@gmail.com>

Andrey Petrov <andrey.petrov@shazow.net>

Andrii Soldatenko <andrii.soldatenko@gmail.com>

Andrii Soluk <isoluchok@gmail.com>

Andriy Lytvynov <lytvynov.a.v@gmail.com>

Andrzej eel <andrii.zhezhel@gmail.com>

Andy Balholm <andy@balholm.com>

Andy Davis <andy@bigandian.com>

Andy Finkenstadt <afinkenstadt@zynga.com>

Andy Lindeman <andy@lindeman.io>

Andy Maloney <asmaloney@gmail.com>

Andy Walker < walkeraj@gmail.com>

Anfernee Yongkun Gui <anfernee.gui@gmail.com>

Angelo Bulfone <mbulfone@gmail.com>

Anh Hai Trinh <anh.hai.trinh@gmail.com>

Anit Gandhi <anitgandhi@gmail.com>

Anmol Sethi <anmol@aubble.com>

Anschel Schaffer-Cohen <anschelsc@gmail.com>

Anthony Alves < cvballa3g0@gmail.com>

Anthony Canino <anthony.canino1@gmail.com>

Anthony Eufemio <anthony.eufemio@gmail.com>

Anthony Martin <ality@pbrane.org>

Anthony Sottile <a sottile @umich.edu>

Anthony Starks <a jstarks@gmail.com>

Anthony Voutas <voutasaurus@gmail.com>

Anthony Woods <a woods@raintank.io>

Antoine Martin <antoine97.martin@gmail.com>

Antonin Amand <antonin.amand@gmail.com>

Antonio Antelo <aantelov87@gmail.com>

Antonio Bibiano <antbbn@gmail.com>

Antonio Murdaca <runcom@redhat.com>

Antonio Troina <thoeni@gmail.com>

Apisak Darakananda <pongad@gmail.com>

Aram Hvrneanu <aram@mgk.ro>

Areski Belaid <areski@gmail.com>

Ariel Mashraki <ariel@mashraki.co.il>

Arkadi Pyuro <arkadi@google.com>

Arlo Breault <arlolra@gmail.com>

Arnaud Ysmal <arnaud.ysmal@gmail.com>

Arne Hormann <arnehormann@gmail.com>

Arnout Engelen <arnout@bzzt.net>

Aron Nopanen <aron.nopanen@gmail.com>

Arthur Khashaev <arthur@khashaev.ru>

Artyom Pervukhin <artyom.pervukhin@gmail.com>

Arvindh Rajesh Tamilmani <art@a-30.net>

Ashish Gandhi <ag@ashishgandhi.org>

Asim Shankar <asimshankar@gmail.com>

Atin Malaviya <amalaviy@akamai.com>

Ato Araki <ato.araki@gmail.com>

Audrey Lim <audreylh@gmail.com>

Audrius Butkevicius <audrius.butkevicius@gmail.com>

Augusto Roman <aroman@gmail.com>

Aulus Egnatius Varialus <varialus@gmail.com>

Aurlien Rainone <aurelien.rainone@gmail.com>

Austin Clements <austin@google.com> <aclements@csail.mit.edu>

awaw fumin <awawfumin@gmail.com>

Awn Umar <awn@cryptolosophy.io>

Axel Wagner <axel.wagner.hh@googlemail.com>

Ayanamist Yang <ayanamist@gmail.com>

Aymerick Jhanne <aymerick@jehanne.org>

Azat Kaumov <kaumov.a.r@gmail.com>

Baiju Muthukadan <baiju.m.mail@gmail.com>

Balazs Lecz < leczb@google.com>

Baokun Lee <nototon@gmail.com>

Bartosz Grzybowski <melkorm@gmail.com>

Bartosz Oler <br/>
<br/>
brtsz@google.com>

Bastian Ike <bastian.ike@gmail.com>

Ben Burkert <ben@benburkert.com>

Ben Eitzen <eitzenb@golang.org>

Ben Fried <br/>
<br/>
ben.fried@gmail.com>

Ben Haines <br/> <br/>bhainesva@gmail.com>

Ben Laurie <ben@links.org> <benl@google.com>

Ben Lubar <br/> <br/> ben.lubar@gmail.com>

Ben Lynn <br/> <br/>benlynn@gmail.com>

Ben Olive <sionide21@gmail.com>

Ben Schwartz <br/> <br/> bemasc@google.com>

Ben Shi <powerman1st@163.com>

Benjamin Black <b@b3k.us>

Benjamin Cable <cable.benjamin@gmail.com>

Benjamin Hsieh <tanookiben@users.noreply.github.com>

Benjamin Prosnitz <a href="mailto:bprosnitz@google.com">bprosnitz@google.com</a>>

Benjamin Wester <br/> <br/> bwester@squareup.com>

Benny Siegert <br/> siegert@gmail.com>

Benoit Sigoure <tsunanet@gmail.com>

Berengar Lehr <Berengar.Lehr@gmx.de>

Bill Neubauer <wcn@golang.org> <wcn@google.com> <bill.neubauer@gmail.com>

Bill O'Farrell <billo@ca.ibm.com>

Bill Prin <waprin@google.com>

Bill Thiede <couchmoney@gmail.com>

Bill Zissimopoulos <br/> <br/>billziss@navimatics.com>

Billie Harold Cleek <br/> <br/> bhcleek@gmail.com>

Billy Lynch <wlynch@google.com>

Bjorn Tillenius <bjorn@tillenius.me>

Bjorn Tipling <br/> <br/> bjorn.tipling@gmail.com>

Blain Smith <rebelgeek@blainsmith.com>

Blake Gentry <br/> <br/>blakesgentry@gmail.com>

Blake Mesdag <a href="mailto:blakemesdag@gmail.com">blake Mesdag <a href="mailto:blakemesdag@gmail.com">blake Mesdag <a href="mailto:blakemesdag@gmail.com">blake Mesdag <a href="mailto:blakemesdag@gmail.com">blakemesdag@gmail.com</a>

Blake Mizerany <blake.mizerany@gmail.com>

Blixt <me@blixt.nyc>

Bob Briski <rbriski@gmail.com>

Bob Potter <br/>
<br/>
bobby.potter@gmail.com>

Bobby Powers <br/> <br/>bobbypowers@gmail.com>

Boris Nagaev <nagaev@google.com>

Borja Clemente <br/> <br/> demente @gmail.com>

Brad Burch <br/> <br/>brad.burch@gmail.com>

Brad Fitzpatrick <bradfitz@golang.org> <bradfitz@gmail.com>

Brad Garcia <br/>
<br/>
dgarcia@golang.org>

Brad Jones <rbjones@google.com>

Brad Morgan <br/> <br/>brad@morgabra.com>

Brad Whitaker <br/> <br/> bwhitaker@fastly.com>

Braden Bassingthwaite <br/> <br/>bbassingthwaite@vendasta.com>

Bradley Falzon <br/> <br/>brad@teambrad.net>

Brady Catherman <br/> brady@gmail.com>

Brady Sullivan <br/> srady@bsull.com>

Brandon Bennett <br/> bbennett@fb.com>

Brandon Gilmore <varz@google.com>

Brendan Daniel Tracey <tracey.brendan@gmail.com>

Brendan O'Dea <bod@golang.org>

Brett Cannon <br/> <br/>bcannon@gmail.com>

Brett Merrill <br/> brett.j.merrill94@gmail.com>

Brian Dellisanti <bri>dellisanti@gmail.com>

Brian Downs <bri> downs@gmail.com>

Brian G. Merrell <br/> <br/> bgmerrell@gmail.com>

Brian Gitonga Marete <marete@toshnix.com> <bgmarete@gmail.com> <bgm@google.com>

Brian Kennedy <a href="mailto:btkennedy@gmail.com">btkennedy@gmail.com</a>

Brian Kessler <br/> <br/> brian.m.kessler@gmail.com>

Brian Ketelsen <a href="mailto:ketelsen@gmail.com">bketelsen@gmail.com</a>

Brian Slesinsky <skybrian@google.com>

Brian Smith <ohohvi@gmail.com>

Brian Starke <bri> starke@gmail.com>

Bryan Alexander < Kozical@msn.com>

Bryan C. Mills <br/>
<br/>
bcmills@google.com>

Bryan Chan <a href="mailto:bryan.chan@ca.ibm.com">bryan.chan@ca.ibm.com</a>

Bryan Ford <br/> <br/>brynosaurus@gmail.com>

Bulat Gaifullin < gaifullinbf@gmail.com>

Burak Guven <br/> <br/> bguven@gmail.com>

Caine Tighe <arctanofyourface@gmail.com>

Caio Marcelo de Oliveira Filho <caio.oliveira@intel.com>

Caleb Martinez <accounts@calebmartinez.com>

Caleb Spare <cespare@gmail.com>

Carl Chatfield <carlchatfield@gmail.com>

Carl Henrik Lunde <chlunde@ifi.uio.no>

Carl Jackson < carl@stripe.com>

Carl Johnson <me@carlmjohnson.net>

Carl Mastrangelo <notcarl@google.com>

Carl Shapiro <cshapiro@google.com> <cshapiro@golang.org>

Carlisia Campos <carlisia@grokkingtech.io>

Carlo Alberto Ferraris <cafxx@strayorange.com>

Carlos Castillo <cookieo9@gmail.com>

Carlos Cirello <uldericofilho@gmail.com>

Carlos Eduardo Seo <cseo@linux.vnet.ibm.com>

Carolyn Van Slyck <me@carolynvanslyck.com>

Cary Hull <chull@google.com>

Case Nelson < case.nelson@gmail.com>

Casey Callendrello <squeed@gmail.com>

Casey Marshall <casey.marshall@gmail.com>

Catalin Nicutar < cnicutar@google.com>

Catalin Patulea <catalinp@google.com>

Cedric Staub <cs@squareup.com>

Cezar S Espinola <cezarsa@gmail.com>

Chad Rosier <mrosier.qdt@qualcommdatacenter.com>

ChaiShushan < chaishushan@gmail.com>

Charles Fenwick Elliott < Charles @ Fenwick Elliott.io>

Charles L. Dorian <cldorian@gmail.com>

Charles Lee <zombie.fml@gmail.com>

Charles Weill < weill@google.com>

Cherry Zhang <cherryyz@google.com>

Chew Choon Keat <choonkeat@gmail.com>

Cholerae Hu <choleraehyq@gmail.com>

Chotepud Teo <AlexRouSg@users.noreply.github.com>

Chris Ball <chris@printf.net>

Chris Biscardi <chris@christopherbiscardi.com>

Chris Broadfoot <cbro@golang.org>

Chris Dollin <ehog.hedge@gmail.com>

Chris Farmiloe <chrisfarms@gmail.com>

Chris Hines <chris.cs.guy@gmail.com>

Chris Howey <howeyc@gmail.com>

Chris Hundt <a href="mailto:hundt@google.com">hundt@google.com</a>

Chris Jones <chris@cjones.org> <chris.jones.yar@gmail.com>

Chris Kastorff <encryptio@gmail.com>

Chris Lennert <calennert@gmail.com>

Chris Liles <caveryliles@gmail.com>

Chris Manghane <cmang@golang.org>

Chris McGee <sirnewton\_01@yahoo.ca> <newton688@gmail.com>

Chris Raynor <raynor@google.com>

Chris Roche <rodaine@gmail.com>

Chris Smith <chrsmith@users.noreply.github.com>

Chris Stockton <chrisstocktonaz@gmail.com>

Chris Zou <chriszou@ca.ibm.com>

Christian Alexander <christian@linux.com>

Christian Couder <chriscool@tuxfamily.org>

Christian Himpel <chressie@googlemail.com> <chressie@gmail.com>

Christian Pellegrin <chri@evolware.org>

Christine Hansmann <a href="mailto:chhansmann@gmail.com">chhansmann@gmail.com</a>

Christoffer Buchholz <a href="mailto:christoffer.buchholz@gmail.com">christoffer.buchholz@gmail.com</a>

Christoph Blecker <admin@toph.ca>

Christoph Hack <christoph@tux21b.org>

Christopher Cahoon <a href="mailto:chris.cahoon@gmail.com">chris.cahoon@gmail.com</a>

Christopher Guiney <chris@guiney.net>

Christopher Henderson <chris@chenderson.org>

Christopher Koch <chrisko@google.com>

Christopher Nelson <nadiasvertex@gmail.com>

Christopher Nielsen <m4dh4tt3r@gmail.com>

Christopher Redden <a href="mailto:christopher.redden@gmail.com">christopher.redden@gmail.com</a>

Christopher Swenson < cswenson@google.com>

Christopher Wedgwood < cw@f00f.org>

Christos Zoulas <christos@zoulas.com> <zoulasc@gmail.com>

Christy Perez <christy@linux.vnet.ibm.com>

CL Sung <clsung@gmail.com> <cl\_sung@htc.com>

Clement Skau <clementskau@gmail.com>

Cody Oss <the.cody.oss@gmail.com>

Colby Ranger < cranger@google.com>

Colin Cross <ccross@android.com>

Colin Edwards <colin@recursivepenguin.com>

Colin Kennedy <moshen.colin@gmail.com>

Colin Rice <clr@google.com>

Conrad Irwin <conrad.irwin@gmail.com>

Conrad Meyer <cemeyer@cs.washington.edu>

Conrado Gouvea < conradoplg@gmail.com>

Constantin Konstantinidis <constantinkonstantinidis@gmail.com>

Corey Thomasson <cthom.lists@gmail.com>

Cosmos Nicolaou < cnicolaou@google.com>

Costin Chirvasuta <ctin@google.com>

Craig Citro < craigcitro @ google.com>

Cristian Staretu <unclejacksons@gmail.com>

Cuihtlauac ALVARADO < cuihtlauac.alvarado@orange.com >

Cyrill Schumacher < cyrill@schumacher.fm>

Daisuke Fujita <dtanshi45@gmail.com>

Daker Fernandes Pinheiro <daker.fernandes.pinheiro@intel.com>

Damian Gryski <dgryski@gmail.com>

Damien Lespiau <damien.lespiau@gmail.com> <damien.lespiau@intel.com>

Damien Mathieu <42@dmathieu.com>

Damien Neil <dneil@google.com>

Damien Tournoud <damien@platform.sh>

Dan Ballard <dan@mindstab.net>

Dan Caddigan <goldcaddy77@gmail.com>

Dan Callahan <a href="mailto:com/dan.callahan@gmail.com/">dan.callahan@gmail.com/</a>

Dan Harrington <a href="mailto:harringtond@google.com">harringtond@google.com</a>

Dan Jacques <dnj@google.com>

Dan Peterson <dpiddy@gmail.com>

Dan Pupius <dan@medium.com>

Dan Sinclair <dan.sinclair@gmail.com>

Daniel Fleischman <danielfleischman@gmail.com>

Daniel Johansson <dajo2002@gmail.com>

Daniel Kerwin < d.kerwin@gini.net>

Daniel Krech <eikeon@eikeon.com>

 $Daniel\ Lidn\ <\! daniel.liden. 87@gmail.com\! >$ 

Daniel Mart < mvdan@mvdan.cc>

Daniel Morsing <daniel.morsing@gmail.com>

Daniel Nadasi <a href="mailto:dnadasi@google.com">dnadasi@google.com</a>

Daniel Nephin <dnephin@gmail.com>

Daniel Ortiz Pereira da Silva <daniel.particular@gmail.com>

Daniel Skinner <daniel@dasa.cc>

Daniel Speichert <daniel@speichert.pl>

Daniel Theophanes <kardianos@gmail.com>

Daniel Upton <daniel@floppy.co>

Daniela Petruzalek <daniela.petruzalek@gmail.com>

Danny Rosseau <daniel.rosseau@gmail.com>

Daria Kolistratova <a href="mailto:daria.kolistratova@intel.com">daria.kolistratova@intel.com</a>

Darren Elwood <darren@textnode.com>

Darshan Parajuli <parajulidarshan@gmail.com>

Datong Sun <dndx@idndx.com>

Dave Borowitz <dborowitz@google.com>

Dave Bort <dbort@golang.org>

Dave Cheney <dave@cheney.net>

Dave Day <djd@golang.org>

Dave Grijalva <dgrijalva@ngmoco.com>

Dave MacFarlane <driusan@gmail.com>

Dave Russell <forfuncsake@gmail.com>

David Anderson <a href="mailto:danderson@google.com">danderson@google.com</a>

David Barnett <dbarnett@google.com>

David Benjamin <davidben@google.com>

David Brophy <a href="mailto:dave@brophy.uk">dave@brophy.uk</a>

David Brgin <676c7473@gmail.com>

David Calavera <david.calavera@gmail.com>

David Carlier <devnexen@gmail.com>

David Chase <a href="mailto:drchase@google.com">drchase@google.com</a>

David Covert <davidhcovert@gmail.com>

David Crawshaw <a href="mailto:crawshaw@zentus.com">crawshaw@google.com</a> <a href="mailto:crawshaw@golang.org">crawshaw@google.com</a> <a href="mailto:crawshaw@golang.org">crawshaw@google.com</a> <a href="mailto:crawshaw@golang.org">crawshaw@google.com</a> <a href="mailto:crawshaw@golang.org">crawshaw@google.com</a> <a href="mailto:crawshaw@golang.org">crawshaw@google.com</a> <a href="mailto:crawshaw@golang.org">crawshaw@google.com</a> <a href="mailto:crawshaw@golang.org">crawshaw@golang.org</a> <a href="mailto:cr

David du Colombier <0intro@gmail.com>

David Forsythe <dforsythe@gmail.com>

David G. Andersen <a href="mailto:dave.andersen@gmail.com">dave.andersen@gmail.com</a>

David Glasser <glasser@meteor.com>

David Howden <a href="mailto:com/dhowden@gmail.com/">dhowden@gmail.com/dhowden@gmail.com/</a>

David Hubbard <dsp@google.com>

David Jakob Fritz <david.jakob.fritz@gmail.com>

David Lazar <a href="mailto:lazard@golang.org">lazard@golang.org</a>

David Leon Gil <coruus@gmail.com>

David McLeish <davemc@google.com>

David NewHamlet <david@newhamlet.com>

David Presotto opresotto@gmail.com>

David R. Jenni <david.r.jenni@gmail.com>

David Sansome < me@davidsansome.com>

David Stainton <dstainton415@gmail.com>

David Symonds <a href="mailto:dsymonds@golang.org">dsymonds@golang.org</a>

David Thomas <davidthomas426@gmail.com>

David Titarenco <david.titarenco@gmail.com>

David Url <david@urld.io>

David Volquartz Lebech <david@lebech.info>

David Wimmer <davidlwimmer@gmail.com>

Davies Liu <davies.liu@gmail.com>

Davor Kapsa <davor.kapsa@gmail.com>

Dean Prichard <dean.prichard@gmail.com>

Deepak Jois <deepak.jois@gmail.com>

Denis Bernard <db047h@gmail.com>

Denis Brandolini <denis.brandolini@gmail.com>

Denis Nagorny <denis.nagorny@intel.com>

Dennis Kuhnert <mail.kuhnert@gmail.com>

Denys Honsiorovskyi <a href="mailto:honsiorovskyi@gmail.com">honsiorovskyi@gmail.com</a>

Derek Buitenhuis <derek.buitenhuis@gmail.com>

Derek Che <drc@yahoo-inc.com>

Derek McGowan <derek@mcgstyle.net>

Derek Parker <parkerderek86@gmail.com>

Derek Shockey <derek.shockey@gmail.com>

Dev Ojha <dojha12@gmail.com>

Dev Zhoujun <dev.zhoujun@gmail.com>

Devon H. O'Dell <devon.odell@gmail.com>

Dhaivat Pandit <dhaivatpandit@gmail.com>

Dhananjay Nakrani <dhananjayn@google.com>

Dhiru Kholia <dhiru.kholia@gmail.com>

Dhruvdutt Jadhav <a href="mailto:com">dhruvdutt.jadhav@gmail.com</a>

Di Xiao <dixiao@google.com>

Didier Spezia < didier.06@gmail.com>

Dieter Plaetinck <dieter@raintank.io>

Dimitri Sokolyuk <sokolyuk@gmail.com>

Dimitri Tcaciuc <dtcaciuc@gmail.com>

Diogo Pinela <diogoid7400@gmail.com>

Dirk Gadsden <dirk@esherido.com>

Diwaker Gupta <diwakergupta@gmail.com>

Dmitri Popov <operator@cv.dp-net.com>

Dmitri Shuralyov <dmitshur@golang.org> <dmitri@shuralyov.com>

Dmitriy Cherchenko <dcherchenko@gmail.com>

Dmitriy Dudkin <dudkin.dmitriy@gmail.com>

Dmitriy Shelenin <deemok@googlemail.com> <deemok@gmail.com>

Dmitriy Vyukov <a href="mailto:dvyukov@google.com">dvyukov@google.com</a>

Dmitry Chestnykh <dchest@gmail.com>

Dmitry Doroginin <doroginin@gmail.com>

Dmitry Savintsev <dsavints@gmail.com>

Dmitry Yakunin <nonamezeil@gmail.com>

Dominic Green <dominicgreen1@gmail.com>

Dominik Honnef <dominik.honnef@gmail.com>

Dominik Vogt <vogt@linux.vnet.ibm.com>

Donald Huang <don.hcd@gmail.com>

Dong-hee Na <donghee.na92@gmail.com>

Donovan Hide <donovanhide@gmail.com>

Doug Anderson <douga@google.com>

Doug Fawley <dfawley@google.com>

Drew Hintz <adhintz@google.com>

Duncan Holm <mail@frou.org>

Dustin Carlino <a color de la composição de la composição

Dustin Herbison <djherbis@gmail.com>

Dustin Long <dustmop@gmail.com>

Dustin Sallings <a href="mailto:dsallings@gmail.com">dsallings@gmail.com</a>

Dustin Shields-Cloues <dcloues@gmail.com>

Dvir Volk <dvir@everything.me> <dvirsky@gmail.com>

Dylan Waits <dylan@waits.io>

Edan Bedrik <3d4nb3@gmail.com>

Eden Li <eden.li@gmail.com>

Eduardo Ramalho <eduardo.ramalho@gmail.com>

Edward Muller <edwardam@interlix.com>

Egon Elbre <egonelbre@gmail.com>

Ehren Kret <ehren.kret@gmail.com>

Eitan Adler < lists@eitanadler.com>

Eivind Uggedal <eivind@uggedal.com>

Elbert Fliek <efliek@gmail.com>

Eldar Rakhimberdin <ibeono@gmail.com>

Elena Grahovac <elena@grahovac.me>

Elias Naur <elias.naur@gmail.com>

Elliot Morrison-Reed <elliotmr@gmail.com>

Emerson Lin < linyintor@gmail.com>

Emil Hessman <emil@hessman.se>

Emil Mursalimov <mursalimovemeel@gmail.com>

Emilien Kenler <hello@emilienkenler.com>

Emmanuel Odeke <emm.odeke@gmail.com> <odeke@ualberta.ca>

Eno Compton <enocom@google.com>

Eoghan Sherry <ejsherry@gmail.com>

Eric Chiang <eric.chiang.m@gmail.com>

Eric Clark <zerohp@gmail.com>

Eric Daniels <eric@erdaniels.com>

Eric Engestrom <eric@engestrom.ch>

Eric Garrido <ekg@google.com>

Eric Koleda <ekoleda+devrel@google.com>

Eric Lagergren <ericscottlagergren@gmail.com>

Eric Milliken <emilliken@gmail.com>

Eric Pauley <eric@pauley.me>

Eric Rescorla <ekr@rtfm.com>

Eric Roshan-Eisner <eric.d.eisner@gmail.com>

Eric Rykwalder <e.rykwalder@gmail.com>

Erik Aigner <aigner.erik@gmail.com>

Erik Dubbelboer <erik@dubbelboer.com>

Erik St. Martin <alakriti@gmail.com>

Erik Staab <estaab@google.com>

Erik Westrup <erik.westrup@gmail.com>

Ernest Chiang <ernest\_chiang@htc.com>

Erwin Oegema <br/>
<br/>
blablaechthema@hotmail.com>

Esko Luontola <esko.luontola@gmail.com>

Ethan Burns <eaburns@google.com>

Ethan Miller <eamiller@us.ibm.com>

Euan Kemp <euank@euank.com>

Eugene Kalinin <e.v.kalinin@gmail.com>

Evan Broder <evan@stripe.com>

Evan Brown <evanbrown@google.com>

Evan Hicks <evan.hicks2@gmail.com>

Evan Jones <ej@evanjones.ca>

Evan Kroske <evankroske@google.com>

Evan Martin <evan.martin@gmail.com>

Evan Phoenix <evan@phx.io>

Evan Shaw <chickencha@gmail.com>

Evgeniy Polyakov <zbr@ioremap.net>

Ewan Chou <coocood@gmail.com>

Ewan Valentine <ewan.valentine89@gmail.com>

Eyal Posener osener@gmail.com>

Fabian Wickborn <fabian@wickborn.net>

Fabian Zaremba <fabian@youremail.eu>

Fabrizio Milo <mistobaan@gmail.com>

Faiyaz Ahmed <ahmedf@vmware.com>

Fan Hongjian <fan.howard@gmail.com>

Fangming Fang <fangming.fang@arm.com>

Fannie Zhang <fannie.zhang@arm.com>

Fatih Arslan <fatih@arslan.io>

Fazal Majid <majid@apsalar.com>

Fazlul Shahriar <fshahriar@gmail.com>

Federico Simoncelli <fsimonce@redhat.com>

Fedor Indutny <fedor@indutny.com>

Felipe Oliveira <felipeweb.programador@gmail.com>

Felix Geisendrfer <haimuiba@gmail.com>

Felix Kollmann <fk@konsorten.de>

Filip Gruszczyski <gruszczy@gmail.com>

Filip Haglund <drathier@users.noreply.github.com>

Filippo Valsorda <filippo@golang.org> <filippo@cloudflare.com> <hi@filippo.io>

Firmansyah Adiputra <frm.adiputra@gmail.com>

Florian Uekermann <florian@uekermann-online.de> <f1@uekermann-online.de>

Florian Weimer <fw@deneb.enyo.de>

Florin Patan <florinpatan@gmail.com>

Folke Behrens <folke@google.com>

Ford Hurley <ford.hurley@gmail.com>

Francesc Campoy <campoy@golang.org>

Francisco Claude <fclaude@recoded.cl>

Francisco Rojas <francisco.rojas.gallegos@gmail.com>

Francisco Souza <franciscossouza@gmail.com>

Frank Schroeder <frank.schroeder@gmail.com>

Frank Somers <fsomers@arista.com>

Frederic Guillot <frederic.guillot@gmail.com>

Frederick Kelly Mayle III <frederickmayle@gmail.com>

Frederik Ring <frederik.ring@gmail.com>

Fredrik Enestad <fredrik.enestad@soundtrackyourbrand.com>

Fredrik Forsmo <fredrik.forsmo@gmail.com>

Fredrik Wallgren <fredrik.wallgren@gmail.com>

Frithjof Schulze <schulze@math.uni-hannover.de> <sfrithjof@gmail.com>

Frits van Bommel <fvbommel@gmail.com>

Fumitoshi Ukai <ukai@google.com>

Gaal Yahas <gaal@google.com>

Gabrel Arthr Ptursson <gabriel@system.is>

Gabriel Aszalos <gabriel.aszalos@gmail.com>

Gabriel Nicolas Avellaneda <avellaneda.gabriel@gmail.com>

Gabriel Russell <gabriel.russell@gmail.com>

Gareth Paul Jones <gpj@foursquare.com>

Garret Kelly <gdk@google.com>

Garrick Evans <garrick@google.com>

Gary Burd <gary@beagledreams.com> <gary.burd@gmail.com>

Gary Elliott <garyelliott@google.com>

Gaurish Sharma < contact@gaurish sharma.com>

Gautham Thambidorai < gautham.dorai@gmail.com>

Gauthier Jolly <gauthier.jolly@gmail.com>

Geert-Johan Riemer < gjr19912@gmail.com>

Gengliang Wang <a href="mailto:com">tnwgl@gmail.com</a>

Geoff Berry <gberry.qdt@qualcommdatacenter.com>

Geoffroy Lorieux <lorieux.g@gmail.com>

Geon Kim < geon0250@gmail.com>

Georg Reinke < guelfey@gmail.com>

George Gkirtsou <ggirtsou@gmail.com>

George Shammas <george@shamm.as> <georgyo@gmail.com>

Gerasimos Dimitriadis <gedimitr@gmail.com>

Getulio Snchez <valentin2507@gmail.com>

Gideon Jan-Wessel Redelinghuys <gjredelinghuys@gmail.com>

Giles Lean <giles.lean@pobox.com>

Giovanni Bajo <rasky@develer.com>

GitHub User @ajnirp (1688456) <ajnirp@users.noreply.github.com>

GitHub User @as (8127015) <as.utf8@gmail.com>

GitHub User @bgadrian (830001) <aditza8@gmail.com>

GitHub User @bontequero (2674999) <bontequero@gmail.com>

GitHub User @cch123 (384546) <buaa.cch@gmail.com>

GitHub User @chanxuehong (3416908) <chanxuehong@gmail.com>

GitHub User @erifan (31343225) <eric.fang@arm.com>

GitHub User @Kropekk (13366453) <kamilkropiewnicki@gmail.com>

GitHub User @madiganz (18340029) <zacharywmadigan@gmail.com>

GitHub User @pityonline (438222) <pityonline@gmail.com>

GitHub User @pytimer (17105586) < lixin20101023@gmail.com>

GitHub User @shogo-ma (9860598) < Choroma 194@gmail.com>

Giulio Iotti <dullgiulio@gmail.com>

Gleb Stepanov <glebstepanov1992@gmail.com>

Glenn Brown <glennb@google.com>

Glenn Lewis <gmlewis@google.com>

Gordon Klaus <gordon.klaus@gmail.com>

Graham King <graham4king@gmail.com>

Graham Miller < graham.miller@gmail.com>

Grant Griffiths <ggp493@gmail.com>

Greg Poirier < greg.istehbest@gmail.com>

Greg Ward < greg@gerg.ca>

Grgoire Delattre <gregoire.delattre@gmail.com>

Gregory Man <man.gregory@gmail.com>

Guilherme Garnier < guilherme.garnier@gmail.com>

Guilherme Goncalves < guilhermeaugustosg@gmail.com>

Guilherme Rezende < guilhermebr@gmail.com>

Guillaume J. Charmes < guillaume@charmes.net>

Guobiao Mei <meiguobiao@gmail.com>

Gustav Paul <gustav.paul@gmail.com>

Gustav Westling <gustav@westling.xyz>

Gustavo Franco < gustavorfranco@gmail.com>

Gustavo Niemeyer <gustavo@niemeyer.net> <n13m3y3r@gmail.com>

Gwenael Treguier < gwenn.kahz@gmail.com>

Gyu-Ho Lee <gyuhox@gmail.com>

H. brahim Gngr <igungor@gmail.com>

Hajime Hoshi <a href="mailto:hajimehoshi@gmail.com">hajime Hoshi@gmail.com</a>

Hallgrimur Gunnarsson <halg@google.com>

HAMANO Tsukasa <hamano@osstech.co.jp>

Han-Wen Nienhuys < hanwen@google.com>

Hang Qian <hangqian90@gmail.com>

Hanjun Kim <hallazzang@gmail.com>

Harald Nordgren <a href="mailto:haraldnordgren@gmail.com">haraldnordgren@gmail.com</a>

Hari haran <hariharan.uno@gmail.com>

Hariharan Srinath <srinathh@gmail.com>

Harley Laue <losinggeneration@gmail.com>

Harry Moreno <morenoh149@gmail.com>

Harshavardhana <a href="mailto:hrshvardhana@gmail.com">hrshvardhana@gmail.com</a>

Hauke Lffler <a href="mailto:local">hloeffler@users.noreply.github.com</a>

Hvard Haugen <a href="mailto:haugen@gmail.com">havard.haugen@gmail.com</a>

He Liu liulonnie@gmail.com>

Hector Chu <hectorchu@gmail.com>

Hector Martin Cantero <hector@marcansoft.com>

Henning Schmiedehausen <henning@schmiedehausen.org>

Henrik Edwards <a href="mailto:kedwards@gmail.com">henrik Edwards@gmail.com</a>

Henrik Hodne <henrik@hodne.io>

Henry Adi Sumarto <a href="mailto:kenry.adisumarto@gmail.com">henry.adisumarto@gmail.com</a>

Henry Bubert <google@mindeco.de>

Henry Chang <mr.changyuheng@gmail.com>

Henry Clifford < h.a.clifford@gmail.com>

Herbert Georg Fischer <a href="mailto:herbert.fischer@gmail.com">herbert.fischer@gmail.com</a>

Herbie Ong <herbie@google.com>

Heschi Kreinick <heschi@google.com>

Hilko Bengen <br/> <br/> bengen@hilluzination.de>

Hiroaki Nakamura <hnakamur@gmail.com>

Hironao OTSUBO <motemen@gmail.com>

Hiroshi Ioka <hirochachacha@gmail.com>

Hitoshi Mitake <mitake.hitoshi@gmail.com>

Holden Huang < ttyh061@gmail.com>

Hong Ruiqi <hongruiqi@gmail.com>

Hongfei Tan <feilengcui008@gmail.com>

Hossein Sheikh Attar <a href="mailto:hattar@google.com">hattar@google.com</a>

Hsin Tsao <tsao@google.com>

Hsin-Ho Yeh <yhh92u@gmail.com>

Hu Keping <a href="mailto:hukeping@huawei.com">hukeping@huawei.com</a>

Hugues Bruant < hugues.bruant@gmail.com>

Hyang-Ah Hana Kim <hakim@google.com> <hyangah@gmail.com>

Ian Cottrell <i ancottrell@google.com>

Ian Gudger <ian@loosescre.ws>

Ian Kent <iankent85@gmail.com>

Ian Lance Taylor <iant@golang.org>

Ibrahim AshShohail <ibra.sho@gmail.com>

Icarus Sparry <golang@icarus.freeuk.com>

Iccha Sethi <icchasethi@gmail.com>

Idora Shinatose <idora.shinatose@gmail.com>

Igor Bernstein <igorbernstein@google.com>

Igor Dolzhikov <br/> <br/> bluesriverz@gmail.com>

Igor Vashyst <ivashyst@gmail.com>

Ilya Tocar <ilya.tocar@intel.com>

INADA Naoki <songofacandy@gmail.com>

Inanc Gumus <m@inanc.io>

Ingo Gottwald <in.gottwald@gmail.com>

Ingo Krabbe <i krabbe.ask@gmail.com>

Ingo Oeser <nightlyone@googlemail.com> <nightlyone@gmail.com>

Ioannis Georgoulas < geototti21@hotmail.com>

Irfan Sharif <irfanmahmoudsharif@gmail.com>

Irieda Noboru <irieda@gmail.com>

Isaac Ardis <isaac.ardis@gmail.com>

Isaac Wagner <ibw@isaacwagner.me>

Iskander Sharipov <iskander.sharipov@intel.com> <quasilyte@gmail.com>

Issac Trotts <issactrotts@google.com>

Ivan Babrou <ivan@cloudflare.com>

Ivan Bertona <ivan.bertona@gmail.com>

Ivan Krasin <a href="mailto:krasin@golang.org">krasin@golang.org</a>

Ivan Markin <sw@nogoegst.net>

Ivan Moscoso <moscoso@gmail.com>

Ivan Ukhov <ivan.ukhov@gmail.com>

Jack Britton < jackxbritton@gmail.com>

Jack Lindamood <jlindamo@justin.tv>

Jacob Baskin < jbaskin@google.com>

Jacob H. Haven < jacob@cloudflare.com>

Jacob Hoffman-Andrews < github@hoffman-andrews.com>

Jae Kwon <jae@tendermint.com>

Jakob Borg <jakob@nym.se>

Jakob Weisblat <jakobw@mit.edu>

Jakub ajka <jcajka@redhat.com>

Jakub Ryszard Czarnowicz <j.czarnowicz@gmail.com>

James Aguilar < jaguilar@google.com>

James Bardin < j.bardin@gmail.com>

James Chacon < jchacon@google.com>

James Clarke < irtc27@irtc27.com>

James Cowgill < James. Cowgill@imgtec.com>

James David Chalfant < james.chalfant@gmail.com>

James Fysh <james.fysh@gmail.com>

James Gray <james@james4k.com>

James Hartig <fastest963@gmail.com>

James Lawrence <jljatone@gmail.com>

James Meneghello <rawrz0r@gmail.com>

James Myers <jfmyers9@gmail.com>

James Neve <jamesoneve@gmail.com>

James P. Cooper <jamespcooper@gmail.com>

James Robinson <jamesr@google.com> <jamesr.gatech@gmail.com>

James Schofield <james@shoeboxapp.com>

James Smith < jrs1995@icloud.com>

James Sweet < james.sweet88@googlemail.com>

James Toy <nil@opensesame.st>

James Treanor < itreanor3@gmail.com>

James Tucker <raggi@google.com>

James Whitehead <jnwhiteh@gmail.com>

Jamie Beverly <jamie.r.beverly@gmail.com>

Jamie Gennis <jgennis@google.com> <jgennis@gmail.com>

Jamie Kerr < jkerr 113@googlemail.com>

Jamie Liu <jamieliu@google.com>

Jamie Stackhouse <contin673@gmail.com>

Jamie Turner <jamwt@dropbox.com>

Jamie Wilkinson < jaq@spacepants.org>

Jamil Djadala <djadala@gmail.com>

Jan Berktold <jan@berktold.co>

Jan H. Hosang < jan.hosang@gmail.com>

Jan Kratochvil <jan.kratochvil@redhat.com>

Jan Lehnardt <jan@apache.org>

Jan Mercl <0xjnml@gmail.com> <befelemepeseveze@gmail.com>

Jan Newmarch < jan.newmarch@gmail.com>

Jan Pilzer <jan.pilzer@gmx.de>

Jan Ziak <0xe2.0x9a.0x9b@gmail.com>

Jani Monoses <jani.monoses@ubuntu.com> <jani.monoses@gmail.com>

Jared Culp <jculp14@gmail.com>

Jaroslavas Poepko <jp@webmaster.ms>

Jason A. Donenfeld <Jason@zx2c4.com>

Jason Barnett < jason.w.barnett@gmail.com>

Jason Buberel <jbuberel@google.com>

Jason Chu <jasonchujc@gmail.com>

Jason Del Ponte <delpontej@gmail.com>

Jason Hall <jasonhall@google.com>

Jason Smale <jsmale@zendesk.com>

Jason Travis <infomaniac7@gmail.com>

Jason Wangsadinata < jwangsadinata@gmail.com>

Javier Kohen < jkohen@google.com>

Javier Segura < javism@gmail.com>

Jay Conrod < jayconrod@google.com>

Jay Weisskopf <jay@jayschwa.net>

Jean de Klerk <deklerk@google.com>

Jean-Andr Santoni < jean.andre.santoni@gmail.com>

Jean-Francois Cantin < ifcantin@gmail.com>

Jean-Marc Eurin < jmeurin@google.com>

Jean-Nicolas Moal < jn.moal@gmail.com>

Jed Denlea < jed@fastly.com>

Jeet Parekh <jeetparekh96@gmail.com>

Jeevanandam M < jeeva@myjeeva.com>

Jeff (Zhefu) Jiang <jeffjiang@google.com>

Jeff Craig < jeffcraig@google.com>

Jeff Dupont <jeff.dupont@gmail.com>

Jeff Hodges < jeff@somethingsimilar.com>

Jeff Johnson <jrjohnson@google.com>

Jeff R. Allen ira@nella.org> <peff.allen@gmail.com>

Jeff Sickel <jas@corpus-callosum.com>

Jeff Wendling <jeff@spacemonkey.com>

Jeffrey H < jeffreyh192@gmail.com>

Jelte Fennema < github-tech@jeltef.nl>

Jens Frederich < jfrederich@gmail.com>

Jeremiah Harmsen <jeremiah@google.com>

Jeremy Jackins < jeremyjackins@gmail.com>

Jeremy Schlatter < jeremy.schlatter@gmail.com>

Jeroen Bobbeldijk <jerbob92@gmail.com>

Jerrin Shaji George <jerrinsg@gmail.com>

Jess Frazelle <me@jessfraz.com>

Jesse Szwedko <jesse.szwedko@gmail.com>

Jess Espino <jespinog@gmail.com>

Jianing Yu <jnyu@google.com>

Jianqiao Li <jianqiaoli@google.com>

Jihyun Yu <yjh0502@gmail.com>

Jim Cote <jfcote87@gmail.com>

Jim Kingdon <jim@bolt.me>

Jim McGrath <jimmc2@gmail.com>

Jim Minter <jminter@redhat.com>

Jimmy Frasche <soapboxcicero@gmail.com>

Jimmy Zelinskie <jimmyzelinskie@gmail.com>

Jin-wook Jeong <jeweljar@hanmail.net>

Jingcheng Zhang <diogin@gmail.com>

Jingguo Yao <yaojingguo@gmail.com>

Jiong Du <londevil@gmail.com>

Jirka Dank <dnk@mail.muni.cz>

Jiulong Wang <jiulongw@gmail.com>

Joakim Sernbrant <serbaut@gmail.com>

Joe Cortopassi <joe@joecortopassi.com>

Joe Farrell < joe2farrell@gmail.com>

Joe Harrison < joehazzers@gmail.com>

Joe Henke <joed.henke@gmail.com>

Joe Kyo <xunianzu@gmail.com>

Joe Poirier < jdpoirier@gmail.com>

Joe Richey <joerichey@google.com>

Joe Shaw <joe@joeshaw.org>

Joe Sylve <joe.sylve@gmail.com>

Joe Tsai <joetsai@digital-static.net>

Joel Sing <joel@sing.id.au> <jsing@google.com>

Jol Stemmer < jstemmer@google.com>

Joel Stemmer < stemmertech@gmail.com>

Joey Geiger < jgeiger@users.noreply.github.com>

Johan Brandhorst < johan.brandhorst@gmail.com>

Johan Euphrosine cproppy@google.com>

Johan Sageryd <j@1616.se>

John Asmuth < jasmuth@gmail.com>

John Beisley <huin@google.com>

John C Barstow <jbowtie@amathaine.com>

John DeNero <denero@google.com>

John Dethridge <jcd@golang.org>

John Gibb <johngibb@gmail.com>

John Graham-Cumming <jgc@jgc.org> <jgrahamc@gmail.com>

John Howard Palevich < jack.palevich@gmail.com>

John Jeffery <jjeffery@sp.com.au>

John Jenkins <twodopeshaggy@gmail.com>

John Leidegren < john.leidegren@gmail.com>

John Newlin < jnewlin@google.com>

John Potocny <johnp@vividcortex.com>

John R. Lenton < jlenton@gmail.com>

John Schnake <schnake.john@gmail.com>

John Shahid <jvshahid@gmail.com>

John Tuley <john@tuley.org>

Johnny Luo <johnnyluo1980@gmail.com>

Jon Chen <jchen@justin.tv>

Jonas Bernoulli <jonas@bernoul.li>

Jonathan Allie <jonallie@google.com>

Jonathan Amsterdam <jba@google.com>

Jonathan Boulle < jonathanboulle@gmail.com>

Jonathan Chen <a href="mailto:dijonkitchen@users.noreply.github.com">dijonkitchen@users.noreply.github.com</a>

Jonathan Feinberg <feinberg@google.com>

Jonathan Gold <jgold.bg@gmail.com>

Jonathan Hseu <jhseu@google.com>

Jonathan Mark < jhmark@xenops.com> < jhmark000@gmail.com>

Jonathan Nieder < jrn@google.com>

Jonathan Pentecost <pentecostjonathan@gmail.com>

Jonathan Pittman < jmpittman@google.com> < jonathan.mark.pittman@gmail.com>

Jonathan Rudenberg < jonathan@titanous.com>

Jonathan Stacks < jonstacks 13@gmail.com>

Jonathan Wills <runningwild@gmail.com>

Jongmin Kim <atomaths@gmail.com>

Joonas Kuorilehto <joneskoo@derbian.fi>

Joop Kiefte <ikojba@gmail.com> <joop@kiefte.net>

Jordan Krage <jmank88@gmail.com>

Jordan Lewis <jordanthelewis@gmail.com>

Jos Visser <josv@google.com>

Jose Luis Vzquez Gonzlez <josvazg@gmail.com>

Joseph Bonneau < jcb@google.com>

Joseph Holsten <joseph@josephholsten.com>

Josh Bleecher Snyder <josharian@gmail.com>

Josh Chorlton < jchorlton@gmail.com>

Josh Deprez <josh.deprez@gmail.com>

Josh Goebel <dreamer3@gmail.com>

Josh Hoak <i hoak@google.com>

Josh Holland <jrh@joshh.co.uk>

Josh Roppo <joshroppo@gmail.com>

Josh Varga <josh.varga@gmail.com>

Joshua Boelter < joshua.boelter@intel.com>

Joshua Chase <jcjoshuachase@gmail.com>

Joshua Rubin <joshua@rubixconsulting.com>

Josselin Costanzi <josselin@costanzi.fr>

Jostein Stuhaug <js@solidsystem.no>

JP Sugarbroad <jpsugar@google.com>

JT Olds <jtolds@xnet5.com>

Juan Carlos < juanjcsr@gmail.com>

Jude Pereira < judebpereira@gmail.com>

Jukka-Pekka Kekkonen <karatepekka@gmail.com>

Julia Hansbrough <flowerhack@google.com>

Julian Kornberger <jk+github@digineo.de>

Julian Pastarmov <pastarmovj@google.com>

Julian Phillips < julian@quantumfyre.co.uk>

Julien Salleyron < julien.salleyron@gmail.com>

Julien Schmidt <google@julienschmidt.com>

Julio Montes < julio.montes@intel.com>

Junda Liu <junda@celer.network>

Jungho Ahn <jhahn@google.com>

Junya Hayashi <ledmonster@gmail.com>

Jure Ham <jure.ham@zemanta.com>

Justin Gracenin < jgracenin@gmail.com>

Justin Nu <nuss.justin@gmail.com>

Justyn Temme <justyntemme@gmail.com>

Kai Backman <kaib@golang.org>

Kai Trukenmller < ktye78@gmail.com>

Kale Blankenship <kale@lemnisys.com>

Kaleb Elwert < kelwert@atlassian.com>

Kamal Aboul-Hosn <aboulhosn@google.com>

Kamil Chmielewski <kamil.chm@gmail.com>

Kamil Kisiel <kamil@kamilkisiel.net> <kamil.kisiel@gmail.com>

Kamil Rytarowski <a href="mailto:krytarowski@users.noreply.github.com">krytarowski@users.noreply.github.com</a>

Kang Hu <hukangustc@gmail.com>

Karan Dhiman <karandhi@ca.ibm.com>

Karel Pazdera <pazderak@gmail.com>

Karoly Negyesi <chx1975@gmail.com>

Karsten Khler <karsten.koehler95@gmail.com>

Kashav Madan <kshvmdn@gmail.com>

Kate Manson < kate.manson@izettle.com>

Kato Kazuyoshi <a href="mailto:kazuyoshi@gmail.com">kato Kazuyoshi@gmail.com</a>

Katrina Owen <a href="mailto:katrina.owen@gmail.com">katrina.owen@gmail.com</a>

Kaviraj Kanagaraj <kaviraj kanagaraj @gmail.com>

Kay Zhu <kayzhu@google.com>

KB Sriram < kbsriram@google.com>

Keegan Carruthers-Smith < keegan.csmith@gmail.com>

Kei Son <hey.calmdown@gmail.com>

Keiji Yoshida <keijiyoshida.mail@gmail.com>

Keith Ball <inflatablewoman@gmail.com>

Keith Randall < khr@golang.org>

Keith Rarick < kr@xph.us>

Kelsey Hightower < kelsey.hightower@gmail.com>

Kelvin Foo Chuan Lyi <vmirage@gmail.com>

Ken Friedenbach <kenliz@cruzio.com>

Ken Rockot <ken@oz.gs> <ken.rockot@gmail.com>

Ken Sedgwick <ken@bonsai.com>

Ken Thompson < ken@golang.org>

Kenji Kaneda < kenji.kaneda@gmail.com>

Kenji Yano <kenji.yano@gmail.com>

Kenneth Shaw <kenshaw@gmail.com>

Kenny Grant <kennygrant@gmail.com>

Kevin Ballard < kevin@sb.org>

Kevin Burke <kev@inburke.com>

Kevin Kirsche <a href="mailto:kev.kirsche@gmail.com">kevin Kirsche@gmail.com</a>

Kevin Klues <klueska@gmail.com> <klueska@google.com>

Kevin Malachowski <chowski@google.com>

Kevin Ruffin < kruffin@gmail.com>

Kevin Vu <kevin.m.vu@gmail.com>

Kieran Colford < kieran@kcolford.com>

Kim Shrier <kshrier@racktopsystems.com>

Kim Yongbin <kybinz@gmail.com>

Kir Kolyshkin <kolyshkin@gmail.com>

Kirill Smelkov < kirr@nexedi.com>

Kirk Han < kirk91.han@gmail.com>

Kirklin McDonald < kirklin.mcdonald@gmail.com>

Klaus Post <klauspost@gmail.com>

Kodie Goodwin <kodiegoodwin@gmail.com>

Koichi Shiraishi <zchee.io@gmail.com>

Koki Ide <niconegoto@yahoo.co.jp>

Konstantin < konstantin 8105@gmail.com>

Konstantin Shaposhnikov <k.shaposhnikov@gmail.com>

Kris Kwiatkowski <kris@cloudflare.com>

Kris Nova < kris@nivenly.com>

Kris Rousey <a href="mailto:krousey@google.com">krousey@google.com</a>

Kristopher Watts <traetox@gmail.com>

Kun Li < likunarmstrong@gmail.com>

Kunpei Sakai <namusyaka@gmail.com>

Kuntal Majumder <hellozee@disroot.org>

Kyle Consalus <consalus@gmail.com>

Kyle Isom <kyle@gokyle.net>

Kyle Jones <kyle@kyledj.com>

Kyle Lemons < kyle@kylelemons.net> < kevlar@google.com>

Kyle Shannon <kyle@pobox.com>

Kyle Spiers <eiais@google.com>

Kyohei Kadota < lufia@lufia.org>

Kyrylo Silin <silin@kyrylo.org>

L Campbell <unpantsu@gmail.com>

Lai Jiangshan <eag0628@gmail.com>

Lakshay Garg < lakshay.garg.1996@gmail.com>

Lann Martin < lannm@google.com>

Lanre Adelowo <yo@lanre.wtf>

Larry Hosken <a href="mailto:lahosken@golang.org">lahosken@golang.org</a>

Lars Jeppesen <jeppesen.lars@gmail.com>

Lars Lehtonen <a href="mailto:lars.lehtonen@gmail.com">lars.lehtonen@gmail.com</a>

Lars Wiegman < lars@namsral.com>

Larz Conwell <a href="mailto:larzconwell@gmail.com">larzconwell@gmail.com</a>

Laurent Voisin lpvoisin@gmail.com>

Laurie Clark-Michalek < laurie@qubit.com>

LE Manh Cuong <cuong.manhle.vn@gmail.com>

Lee Hinman <a href="mailto:hinman@gmail.com">hinman@gmail.com</a>

Lehner Florian <dev@der-flo.net>

Leigh McCulloch <leighmcc@gmail.com>

Leo Antunes <leo@costela.net>

Leo Rudberg <ljr@google.com>

Leon Klingele < git@leonklingele.de>

Leonel Quinteros < leonel.quinteros@gmail.com>

Lev Shamardin@gmail.com>

Lewin Bormann < lewin.bormann@gmail.com>

Lion Yang < lion@aosc.xyz>

Lloyd Dewolf <foolswisdom@gmail.com>

Lorenz Bauer < lmb@cloudflare.com>

Lorenzo Masini <rugginoso@develer.com>

Lorenzo Stoakes <a href="mailto:stoakes@gmail.com">stoakes@gmail.com</a>>

Louis Kruger <louisk@google.com>

Luan Santos <cfcluan@gmail.com>

Lubomir I. Ivanov <neolit123@gmail.com>

Luca Bruno < luca.bruno@coreos.com>

Luca Greco < luca.greco@alcacoop.it>

Lucas Bremgartner < lucas.bremgartner@gmail.com>

Lucas Clemente < lclemente @google.com>

Lucien Stuker < lucien.stuker@gmail.com>

Lucio De Re <lucio.dere@gmail.com>

Ludi Rehak < ludi317@gmail.com>

Luigi Riefolo < luigi.riefolo@gmail.com>

Luit van Drongelen <luitvd@gmail.com>

Luka Zakrajek <tr00.g33k@gmail.com>

Lukasz Milewski < lmmilewski@gmail.com>

Luke Curley <qpingu@gmail.com>

Luke Granger-Brown < git@lukegb.com>

Luna Duclos <luna.duclos@palmstonegames.com>

Luuk van Dijk <lvd@golang.org> <lvd@google.com>

Lyle Franklin < lylejfranklin@gmail.com>

Lynn Boger <a href="mailto:laboger@linux.vnet.ibm.com">linux.vnet.ibm.com</a>

Ma Peiqi <mapeiqi2017@gmail.com>

Maciej Dbski <maciejd@google.com>

 $Magnus\ Hiie < magnus.hiie @gmail.com >$ 

Maicon Costa <maiconscosta@gmail.com>

Maksym Trykur <maksym.trykur@gmail.com>

Mal Curtis <mal@mal.co.nz>

Manfred Touron <m@42.am>

Manigandan Dharmalingam <manigandan.jeff@gmail.com>

Manish Goregaokar <manishsmail@gmail.com>

Manoj Dayaram <platform-dev@moovweb.com> <manoj.dayaram@moovweb.com>

Mansour Rahimi <rahimi.mnr@gmail.com>

Manu Garg <manugarg@google.com>

Manu S Ajith <neo@codingarena.in>

Manuel Mendez <mmendez534@gmail.com>

Marc Weistroff <marc@weistroff.net>

Marc-Antoine Ruel <maruel@chromium.org>

Marcel Edmund Franke <marcel.edmund.franke@gmail.com>

Marcel van Lohuizen <mpvl@golang.org>

Marcelo Cantos <marcelo.cantos@gmail.com>

Marcelo E. Magallon <marcelo.magallon@gmail.com>

Marco Hennings <marco.hennings@freiheit.com>

Marga Manterola <marga@google.com>

Marin Bai <marin.basic02@gmail.com>

Mario Arranz <marioarranzr@gmail.com>

Marius Nuennerich <mnu@google.com>

Mark Adams <mark@markadams.me>

Mark Bucciarelli <mkbucc@gmail.com>

Mark Harrison <marhar@google.com>

Mark Percival <m@mdp.im>

Mark Pulford <mark@kyne.com.au>

Mark Rushakoff <mark.rushakoff@gmail.com>

Mark Ryan <mark.d.ryan@intel.com>

Mark Severson <miquella@gmail.com>

Mark Theunissen <mark.theunissen@gmail.com>

Mark Wolfe <mark@wolfe.id.au>

Mark Zavislak <zavislak@google.com>

Marko Juhani Silokunnas <marko.silokunnas@gmail.com>

Marko Mikulicic <mkm@google.com>

Marko Mudrinic <mudrinic.mare@gmail.com>

Marko Tiikkaja <marko@joh.to>

Markus Duft <markus.duft@salomon.at>

Markus Sonderegger <marraison@gmail.com>

Markus Zimmermann <zimmski@gmail.com>

Martin Bertschler <mbertschler@gmail.com>

Martin Garton <garton@gmail.com>

Martin Habbecke <marhab@google.com>

Martin Hamrle <martin.hamrle@gmail.com>

Martin Hoefling <martin.hoefling@gmx.de>

Martin Kreichgauer <martinkr@google.com>

Martin Kunc <martinkunc@users.noreply.github.com>

Martin Lindhe <martin.j.lindhe@gmail.com>

Martin Mohrmann <moehrmann@google.com> <martisch@uos.de>

Martin Neubauer < m.ne@gmx.net>

Martin Olsen <github.com@martinolsen.net>

Martin Olsson <martin@minimum.se>

Martin Probst <martin@probst.io>

Martin Sucha <anty.sk+git@gmail.com>

Martins Sipenko <martins.sipenko@gmail.com>

Martynas Budrinas <mabu@google.com>

Marvin Stenger <marvin.stenger94@gmail.com>

Marwan Sulaiman <marwan.sulaiman@work.co>

Maryan Hratson <gmarik@gmail.com>

Masahiro Furudate <masahiro.furudate@gmail.com>

Masahiro Wakame < vvakame@gmail.com>

Masaki Yoshida <yoshida.masaki@gmail.com>

Mat Byczkowski <mbyczkowski@gmail.com>

Mat Ryer <thatmatryer@gmail.com>

Mt Gulys <mgulyas86@gmail.com>

Matej Bao <matejbaco@gmail.com>

Mateus Amin <mateus.amin@gmail.com>

Mateusz Czapliski <czapkofan@gmail.com>

Mathias Beke <git@denbeke.be>

Mathias Hall-Andersen <mathias@hall-andersen.dk>

Mathias Leppich <mleppich@muhqu.de>

Mathieu Lonjaret <mathieu.lonjaret@gmail.com>

Mats Lidell <mats.lidell@cag.se> <mats.lidell@gmail.com>

Matt Aimonetti <mattaimonetti@gmail.com>

Matt Blair <me@matthewblair.net>

Matt Bostock <matt@mattbostock.com>

Matt Brown <mdbrown@google.com>

Matt Dee <mdee@hioscar.com>

Matt Drollette <matt@drollette.com>

Matt Harden <matt.harden@gmail.com>

Matt Jibson <matt.jibson@gmail.com>

Matt Joiner <anacrolix@gmail.com>

Matt Jones <mrjones@google.com>

Matt Juran <thepciet@gmail.com>

Matt Layher <mdlayher@gmail.com>

Matt Reiferson <a href="mailto:mreiferson@gmail.com">mreiferson@gmail.com</a>

Matt Robenolt <matt@ydekproductions.com>

Matt Strong <mstrong1341@gmail.com>

Matt T. Proud <matt.proud@gmail.com>

Matt Williams <gh@mattyw.net> <mattyjwilliams@gmail.com>

Matthew Brennan <matty.brennan@gmail.com>

Matthew Broberg <matthewbbroberg@gmail.com>

Matthew Cottingham <mattcottingham@gmail.com>

Matthew Dempsky <mdempsky@google.com>

Matthew Denton <mdenton@skyportsystems.com>

Matthew Holt <Matthew.Holt+git@gmail.com>

Matthew Horsnell <matthew.horsnell@gmail.com>

Matthieu Hauglustaine <matt.hauglustaine@gmail.com>

Matthieu Olivier <olivier.matthieu@gmail.com>

Matthijs Kooijman <matthijs@stdin.nl>

Max Riveiro < kavu13@gmail.com>

Max Schmitt <max@schmitt.mx>

Maxim Khitrov <max@mxcrypt.com>

Maxim Pimenov <mpimenov@google.com>

Maxim Ushakov <ushakov@google.com>

Maxime de Roucy <maxime.deroucy@gmail.com>

Mximo Cuadros Ortiz <mcuadros@gmail.com>

Maxwell Krohn <themax@gmail.com>

Mayank Kumar < krmayankk@gmail.com>

Meir Fischer <meirfischer@gmail.com>

Meng Zhuo <mengzhuo1203@gmail.com>

Mhd Sulhan <m.shulhan@gmail.com>

Micah Stetson <micah.stetson@gmail.com>

Michael Brandenburg <mbrandenburg@bolste.com>

Michael Chaten <mchaten@gmail.com>

Michael Darakananda <pongad@google.com>

Michael Dorner <mail@michaeldorner.de>

Michael Edwards < medwards @ walledcity.ca>

Michael Elkins <michael.elkins@gmail.com>

Michael Fraenkel <michael.fraenkel@gmail.com>

Michael Fromberger <michael.j.fromberger@gmail.com>

Michael Gehring <mg@ebfe.org> <gnirheg.leahcim@gmail.com>

Michael Hendricks <michael@ndrix.org>

Michael Hoisie <hoisie@gmail.com>

Michael Hudson-Doyle <michael.hudson@linaro.org>

Michael Kasch <michael.kasch@gmail.com>

Michael Kufl <golang@c.michael-kaeufl.de>

Michael Kelly <mjk@google.com>

Michael Lewis <mikelikespie@gmail.com>

Michael MacInnis < Michael.P.MacInnis@gmail.com>

Michael Marineau <michael.marineau@coreos.com>

Michael Matloob <matloob@google.com>

Michael McConville <momcconville@gmail.com>

Michael McGreevy <mcgreevy@golang.org>

Michael McLoughlin <mmcloughlin@gmail.com>

Michael Munday <mike.munday@ibm.com>

Michael Pearson <mipearson@gmail.com>

Michael Piatek epiatek@google.com>

Michael Pratt <mpratt@google.com>

Michael Schaller <michael@5challer.de>

Michael Schurter <michael.schurter@gmail.com>

Michael Shields <mshields@google.com>

 $Michael\ Stapelberg\ < michael\ @stapelberg.de>\ < mstplbrg\ @googlemail.com>$ 

Michael Steinert <mike.steinert@gmail.com>

Michael T. Jones <mtj@google.com> <michael.jones@gmail.com>

Michael Teichgrber <mteichgraeber@gmx.de> <mt4swm@googlemail.com>

Michael Vetter < g.bluehut@gmail.com>

Michal Bohuslvek <mbohuslavek@gmail.com>

Michal Cierniak < cierniak @google.com>

Micha Derkacz <ziutek@lnet.pl>

Michal Franc <a href="mailto:ranc@gmail.com">michal.franc@gmail.com</a>

Michal Pristas <michal.pristas@gmail.com>

Michalis Kargakis <michaliskargakis@gmail.com>

Michel Lespinasse <walken@google.com>

Miek Gieben <miek@miek.nl> <remigius.gieben@gmail.com>

Miguel Mendez <stxmendez@gmail.com>

Miguel Molina <hi@mvader.me>

Mihai Borobocea < Mihai Borobocea @gmail.com>

Mihail Minaev <minaev.mike@gmail.com>

Mikael Tillenius <mikti42@gmail.com>

Mike Andrews <mra@xoba.com>

Mike Appleby <mike@app.leby.org>

Mike Danese <mikedanese@google.com>

Mike Houston <mike@kothar.net>

Mike Kabischev <kabischev@gmail.com>

Mike Rosset <mike.rosset@gmail.com>

Mike Samuel <mikesamuel@gmail.com>

Mike Solomon <msolo@gmail.com>

Mike Strosaker <strosake@us.ibm.com>

Mike Tsao <mike@sowbug.com>

Mike Wiacek <mjwiacek@google.com>

Mikhail Gusarov <dottedmag@dottedmag.net>

Mikhail Panchenko <m@mihasya.com>

Miki Tebeka <miki.tebeka@gmail.com>

Mikio Hara <mikioh.mikioh@gmail.com>

Mikkel Krautz <mikkel@krautz.dk> <krautz@gmail.com>

Milan Knezevic <milan.knezevic@mips.com>

Milutin Jovanovic < jovanovic.milutin@gmail.com>

MinJae Kwon <mingrammer@gmail.com>

Miquel Sabat Sol <mikisabate@gmail.com>

Miroslav Genov <mgenov@gmail.com>

Misty De Meo <mistydemeo@gmail.com>

Mohit Agarwal <mohit@sdf.org>

Mohit kumar Bajoria <mohitbajo36@gmail.com>

Momchil Velikov <momchil.velikov@gmail.com>

Monis Khan <mkhan@redhat.com>

Monty Taylor <mordred@inaugust.com>

Moriyoshi Koizumi <mozo@mozo.jp>

Morten Siebuhr <sbhr@sbhr.dk>

Mshe van der Sterre <moshevds@gmail.com>

Mostyn Bramley-Moore <mostyn@antipode.se>

Mrunal Patel <mrunalp@gmail.com>

Muhammad Falak R Wani <falakreyaz@gmail.com>

Muhammed Uluyol <uluyol0@gmail.com>

Mura Li <mura\_li@castech.com.tw>

Nan Deng <monnand@gmail.com>

Naoki Kanatani <k12naoki@gmail.com>

Nate Wilkinson <nathanwilk7@gmail.com>

Nathan Cantelmo < n.cantelmo@gmail.com>

Nathan Caza <mastercactapus@gmail.com>

 $Nathan\ Humphreys < nkhumphreys @\ gmail.com >$ 

Nathan John Youngman <nj@nathany.com>

Nathan Otterness <otternes@cs.unc.edu>

Nathan P Finch <nate.finch@gmail.com>

 $Nathan\ Van Benschoten < nvan benschoten @gmail.com >$ 

Nathan Youngman < git@nathany.com>

Nathan(yinian) Hu <nathanhu@google.com>

Nathaniel Cook <nvcook42@gmail.com>

Naveen Kumar Sangi <naveenkumarsangi@protonmail.com>

Neelesh Chandola < neelesh.c98@gmail.com>

Neil Lyons <nwjlyons@googlemail.com>

Neuman Vong <neuman.vong@gmail.com>

Neven Sajko <nsajko@gmail.com>

Nevins Bartolomeo <nevins.bartolomeo@gmail.com>

Niall Sheridan <nsheridan@gmail.com>

Nic Day <nic.day@me.com>

Nicholas Katsaros < nick@nickkatsaros.com>

Nicholas Maniscalco <nicholas@maniscalco.com>

Nicholas Presta <nick@nickpresta.ca> <nick1presta@gmail.com>

Nicholas Sullivan <nicholas.sullivan@gmail.com>

Nicholas Waples <nwaples@gmail.com>

Nick Cooper <nmvc@google.com>

Nick Craig-Wood <nick@craig-wood.com> <nickcw@gmail.com>

Nick Harper <nharper@google.com>

Nick Kubala <nkubala@google.com>

Nick Leli <nicholasleli@gmail.com>

Nick Miyake <nmiyake@users.noreply.github.com>

Nick Patavalis <nick.patavalis@gmail.com>

Nick Petroni <npetroni@cs.umd.edu>

Nick Robinson < nrobinson 13@gmail.com>

Nick Smolin <nick27surgut@gmail.com>

Nicolas BRULEZ <n.brulez@gmail.com>

Nicolas Kaiser <nikai@nikai.net>

Nicolas Owens <mischief@offblast.org>

Nicolas S. Dade <nic.dade@gmail.com>

Niek Sanders < niek.sanders@gmail.com>

Niels Widger <niels.widger@gmail.com>

Nigel Kerr < nigel.kerr@gmail.com>

Nigel Tao <nigeltao@golang.org>

Nik Nyby <nnyby@columbia.edu>

Nikhil Benesch <nikhil.benesch@gmail.com>

Niklas Schnelle <niklas.schnelle@gmail.com>

Niko Dziemba <niko@dziemba.com>

Nikolay Turpitko <nikolay@turpitko.com>

Nils Larsgrd <nilsmagnus@gmail.com>

Niranjan Godbole <niranjan8192@gmail.com>

Nishanth Shanmugham <nishanth.gerrard@gmail.com>

Noah Campbell <noahcampbell@gmail.com>

Noble Johnson <noblepoly@gmail.com>

Nodir Turakulov <nodir@google.com>

Noel Georgi <git@frezbo.com>

Norberto Lopes <nlopes.ml@gmail.com>

Odin Ugedal <odin@ugedal.com>

Oleg Bulatov <dmage@yandex-team.ru>

Oleg Vakheta <helginet@gmail.com>

Oleku Konko <oleku.konko@gmail.com>

Oling Cat <olingcat@gmail.com>

Oliver Hookins <ohookins@gmail.com>

Oliver Tonnhofer <olt@bogosoft.com>

Olivier Antoine <olivier.antoine@gmail.com>

Olivier Duperray <duperray.olivier@gmail.com>

Olivier Poitrey <rs@dailymotion.com>

Olivier Saingre <osaingre@gmail.com>

Omar Jarjur <ojarjur@google.com>

zgr Kesim <oec-go@kesim.org>

Pablo Lalloni <plalloni@gmail.com>

Pablo Rozas Larraondo <pablo.larraondo@anu.edu.au>

Pablo Santiago Blum de Aguiar <scorphus@gmail.com>

Padraig Kitterick <padraigkitterick@gmail.com>

Pallat Anchaleechamaikorn < yod.pallat@gmail.com>

Paolo Giarrusso < p.giarrusso @gmail.com>

Paolo Martini <mrtnpaolo@gmail.com>

Parker Moore <parkrmoore@gmail.com>

Pascal S. de Kloe <pascal@quies.net>

Pat Moroney <pat@pat.email>

Patrick Crosby <patrick@stathat.com>

Patrick Higgins <patrick.allen.higgins@gmail.com>

Patrick Lee <pattyshack101@gmail.com>

Patrick Mzard <patrick@mezard.eu>

Patrick Mylund Nielsen <patrick@patrickmn.com>

Patrick Pelletier <pp.pelletier@gmail.com>

Patrick Riley <pfr@google.com>

Patrick Smith <pat42smith@gmail.com>

Paul A Querna <paul.querna@gmail.com>

Paul Borman <br/> <br/> borman@google.com>

Paul Boyd <br/>
<br/>
boyd.paul2@gmail.com>

Paul Chang <paulchang@google.com>

Paul Hammond <paul@paulhammond.org>

Paul Hankin <paulhankin@google.com>

Paul Jolly <paul@myitcv.org.uk>

Paul Lalonde <paul.a.lalonde@gmail.com>

Paul Marks pmarks@google.com>

Paul Meyer <paul.meyer@microsoft.com>

Paul PISCUC <paul.piscuc@gmail.com>

Paul Querna <pquerna@apache.org>

Paul Rosania <paul.rosania@gmail.com>

Paul Ruest <pruest@gmail.com>

Paul Sbarra <Sbarra.Paul@gmail.com>

Paul Smith <paulsmith@pobox.com> <paulsmith@gmail.com>

Paul Tyng <paul@paultyng.net>

Paul van Brouwershaven <paul@vanbrouwershaven.com>

Paul Wankadia <junyer@google.com>

Paulo Casaretto cpcasaretto@gmail.com>

Paulo Flabiano Smorigo ofsmorigo@linux.vnet.ibm.com>

Pavel Paulau <pavel.paulau@gmail.com>

Pavel Zinovkin <pavel.zinovkin@gmail.com>

Pavlo Sumkin < ymkins@gmail.com>

Pawel Knap <pawelknap88@gmail.com>

Pawel Szczur <filemon@google.com>

Percy Wegmann <ox.to.a.cart@gmail.com>

Petar Maymounkov <petarm@gmail.com>

Peter Armitage <peter.armitage@gmail.com>

Peter Bourgon <peter@bourgon.org>

Peter Collingbourne <pcc@google.com>

Peter Conerly pconerly@gmail.com>

Peter Froehlich epeter.hans.froehlich@gmail.com>

Peter Gonda <pgonda@google.com>

Peter Kleiweg <pkleiweg@xs4all.nl>

Peter McKenzie <petermck@google.com>

Peter Moody pmoody@uber.com>

Peter Mundy <go.peter.90@gmail.com>

Peter Nguyen <peter@mictis.com>

Pter Surnyi <speter.go1@gmail.com>

Pter Szab <pts@google.com>

Pter Szilgyi <peterke@gmail.com>

Peter Teichman epteichman@fastly.com>

Peter Tseng ptseng@squareup.com>

Peter Waldschmidt <peter@waldschmidt.com>

Peter Waller epeter.waller@gmail.com>

Peter Weinberger <pjw@golang.org>

Peter Williams <pwil3058@gmail.com>

Peter Wu <pwu@cloudflare.com>

Peter Zhang <i@ddatsh.com>

Petrica Voicu <pvoicu@paypal.com>

Phil Pearl <philip.j.r.pearl@gmail.com>

Phil Pennock <pdp@golang.org>

Philip Brgesen <philip.borgesen@gmail.com>

Philip Brown <phil@bolthole.com>

Philip Hofer phofer@umich.edu>

Philip K. Warren pkwarren@gmail.com>

Philip Nelson <me@pnelson.ca>

Philipp Stephani <phst@google.com>

 $Pierre\ Durand\ <\!pierredurand\ @\ gmail.com\!>$ 

Pierre Prinetti <pierreprinetti@gmail.com>

Pierre Roullon <pierre.roullon@gmail.com>

Piers <google@hellopiers.pro>

Pieter Droogendijk <pieter@binky.org.uk>

Pietro Gagliardi <pietro10@mac.com>

Piyush Mishra <piyush@codeitout.com>

Pontus Leitzler < leitzler@gmail.com>

Prashant Varanasi prashant@prashantv.com>

Pravendra Singh <a href="mailto:hackpravj@gmail.com">hackpravj@gmail.com</a>

Preetam Jinka <pj@preet.am>

Qiuxuan Zhu <ilsh1022@gmail.com>

Quan Tran <qeed.quan@gmail.com>

Quan Yong Zhai <qyzhai@gmail.com>

Quentin Perez <qperez@ocs.online.net>

Quentin Renard <contact@asticode.com>

Quentin Smith <quentin@golang.org>

Quinn Slack <sqs@sourcegraph.com>

Quoc-Viet Nguyen <afelion@gmail.com>

Radek Sohlich <sohlich@gmail.com>

Radu Berinde <radu@cockroachlabs.com>

Rafal Jeczalik <rjeczalik@gmail.com>

Rahul Chaudhry <rahulchaudhry@chromium.org>

Raif S. Naffah <go@naffah-raif.name>

Rajat Goel <rajat.goel2010@gmail.com>

Rajath Agasthya <rajathagasthya@gmail.com>

Rajender Reddy Kompally <rajenderreddykompally@gmail.com>

Ralph Corderoy <ralph@inputplus.co.uk>

Ramazan AYYILDIZ <rayyildiz@gmail.com>

Ramesh Dharan <a href="mailto:charan@google.com">com</a>

Raph Levien <raph@google.com>

Raphael Geronimi < raphael.geronimi@gmail.com>

Raul Silvera <rsilvera@google.com>

Ravil Bikbulatov < weeellz12@gmail.com>

RaviTeja Pothana <ravi.tezu@gmail.com>

Ray Tung <rtung@thoughtworks.com>

Raymond Kazlauskas <raima220@gmail.com>

Rebecca Stambler <rstambler@golang.org>

Reilly Watson < reilly watson@gmail.com>

Reinaldo de Souza Jr <juniorz@gmail.com>

Remi Gillig <remigillig@gmail.com>

Rmy Oudompheng <oudomphe@phare.normalesup.org> <remyoudompheng@gmail.com>

Rens Rikkerink < Ikkerens@users.noreply.github.com>

Rhys Hiltner <rhys@justin.tv>

Ricardo Padilha <ricardospadilha@gmail.com>

Richard Barnes <rlb@ipv.sx>

Richard Crowley <r@rcrowley.org>

Richard Dingwall <rdingwall@gmail.com>

Richard Eric Gavaletz < gavaletz@gmail.com>

Richard Gibson <richard.gibson@gmail.com>

Richard Miller <miller.research@gmail.com>

 $Richard\ Musiol\ < mail@richard-musiol.de>\ < neelance\ @gmail.com>$ 

Rick Arnold <rickarnoldjr@gmail.com>

Rick Hudson <rlh@golang.org>

Rick Sayre <whorfin@gmail.com>

Riku Voipio <riku.voipio@linaro.org>

Risto Jaakko Saarelma <rsaarelm@gmail.com>

Rob Earhart <earhart@google.com>

Rob Norman <rob.norman@infinitycloud.com>

Rob Phoenix <rob@robphoenix.com>

Rob Pike <r@golang.org>

Robert Daniel Kortschak <a href="mailto:kortschak@adelaide.edu.au">kortschak.io</a>

Robert Dinu <r@varp.se>

Robert Figueiredo <robfig@gmail.com>

Robert Griesemer <gri@golang.org>

Robert Hencke <robert.hencke@gmail.com>

Robert Iannucci <iannucci@google.com>

Robert Obryk <robryk@gmail.com>

Robert Sesek <rsesek@google.com>

Robert Snedegar <roberts@google.com>

Robert Stepanek <robert.stepanek@gmail.com>

Robert-Andr Mauchin <zebob.m@gmail.com>

Roberto Clapis <robclap8@gmail.com>

Robin Eklind < r.eklind.87@gmail.com>

Rodolfo Carvalho <a href="mailto:chearvalho@gmail.com">chearvalho@gmail.com</a>

Rodrigo Moraes de Oliveira <rodrigo.moraes@gmail.com>

Rodrigo Rafael Monti Kochenburger <divoxx@gmail.com>

Roger Pau Monn <royger@gmail.com>

Roger Peppe <rogpeppe@gmail.com>

Roland Shoemaker < rolandshoemaker@gmail.com>

Roman Budnikov <romanyx90@yandex.ru>

Ron Hashimoto <mail@h2so5.net>

Ron Minnich <rminnich@gmail.com>

Ross Chater <rdchater@gmail.com>

Ross Light < light@google.com> < rlight2@gmail.com>

Rowan Marshall < rowanajmarshall@gmail.com>

Rowan Worth <sqweek@gmail.com>

Rudi Kramer < rudi.kramer@gmail.com>

Rui Ueyama <ruiu@google.com>

Russ Cox <rsc@golang.org>

Russell Haering <russellhaering@gmail.com>

Ryan Bagwell < ryanbagwell@outlook.com>

Ryan Barrett <ryanb@google.com>

Ryan Boehning <ryan.boehning@apcera.com>

Ryan Brown <ribrdb@google.com>

Ryan Canty <jrcanty@gmail.com>

Ryan Hitchman <a href="mailto:kitchmanr@gmail.com">hitchmanr@gmail.com</a>

Ryan Lower crpjlower@gmail.com>

Ryan Roden-Corrent <ryan@rcorre.net>

Ryan Seys <ryan@ryanseys.com>

Ryan Slade <ryanslade@gmail.com>

Ryan Zhang <ryan.zhang@docker.com>

Ryoichi KATO <ryo1kato@gmail.com>

Ryuji Iwata <qt.luigi@gmail.com>

Ryuma Yoshida <ryuma.y1117@gmail.com>

Ryuzo Yamamoto <ryuzo.yamamoto@gmail.com>

S.alar Onur <caglar@10ur.org>

Sabin Mihai Rapan <sabin.rapan@gmail.com>

Sai Cheemalapati <saicheems@google.com>

Sakeven Jiang <jc5930@sina.cn>

Salmn Aljammz <s@0x65.net>

Sam Boyer < tech@samboyer.org>

Sam Ding <samding@ca.ibm.com>

Sam Hug <samuel.b.hug@gmail.com>

Sam Thorogood <thorogood@google.com> <sam.thorogood@gmail.com>

Sam Whited <sam@samwhited.com>

Sameer Ajmani <sameer@golang.org> <ajmani@gmail.com>

Sami Commerot <samic@google.com>

Sami Pnknen <sami.ponkanen@gmail.com>

Samuel Tan <samueltan@google.com>

Sanjay Menakuru <balasanjay@gmail.com>

Sarah Adams <shadams@google.com>

Sascha Brawer < sascha@brawer.ch>

Sasha Lionheart < lionhearts@google.com>

Sasha Sobol <sasha@scaledinference.com>

Scott Barron <scott.barron@github.com>

Scott Bell <scott@sctsm.com>

Scott Crunkleton < crunk1@gmail.com>

Scott Ferguson <scottwferg@gmail.com>

Scott Lawrence <bytbox@gmail.com>

Scott Mansfield <smansfield@netflix.com>

Scott Schwartz <scotts@golang.org>

Scott Van Woudenberg <scottvw@google.com>

Sean Burford <sburford@google.com>

Sean Chittenden <seanc@joyent.com>

Sean Christopherson <sean.j.christopherson@intel.com>

Sean Dolphin <Sean.Dolphin@kpcompass.com>

Sean Harger <sharger@google.com>

Sean Rees < sean@erifax.org>

Sebastien Binet <seb.binet@gmail.com>

Sbastien Paolacci <sebastien.paolacci@gmail.com>

Seiji Takahashi <timaki.st@gmail.com>

Sergei Skorobogatov <skorobo@rambler.ru>

Sergey 'SnakE' Gromov <snake.scaly@gmail.com>

Sergey Arseev <sergey.arseev@intel.com>

Sergey Frolov <sfrolov@google.com>

Sergey Lukjanov <me@slukjanov.name>

Sergey Mishin <sergeymishine@gmail.com>

Sergey Mudrik <sergey.mudrik@gmail.com>

Sergey Semin < gray 12511@gmail.com>

Sergio Luis O. B. Correia <sergio@correia.cc>

Sergiusz Bazanski <br/>
<br/>
bazanski@gmail.com>

Seth Hoenig <seth.a.hoenig@gmail.com>

Seth Vargo <sethvargo@gmail.com>

Shahar Kohanim <skohanim@gmail.com>

Shamil Garatuev <garatuev@gmail.com>

Shane Hansen <shanemhansen@gmail.com>

Shaozhen Ding <dsz0111@gmail.com>

Shaun Dunning <shaun.dunning@uservoice.com>

Shawn Ledbetter <sledbetter@google.com>

Shawn Smith <shawn.p.smith@gmail.com>

Shawn Walker-Salas <shawn.walker@oracle.com>

Shenghou Ma <minux@golang.org> <minux.ma@gmail.com>

Shengyu Zhang <shengyu.zhang@chaitin.com>

Shi Han Ng <shihanng@gmail.com>

Shinji Tanaka <shinji.tanaka@gmail.com>

Shintaro Kaneko <kaneshin0120@gmail.com>

Shivakumar.gn@gmail.com>

Shun Fan <sfan@google.com>

Silvan Jegen <s.jegen@gmail.com>

Simon Jefford <simon.jefford@gmail.com>

Simon Rawet <simon@rawet.se>

Simon Thulbourn <simon+github@thulbourn.com>

Simon Whitehead <chemnova@gmail.com>

Sina Siadat <siadat@gmail.com>

Sokolov Yura <funny.falcon@gmail.com>

Song Gao <song@gao.io>

Spencer Nelson <s@spenczar.com>

Spencer Tung <spencertung@google.com>

Spring Mc <heresy.mc@gmail.com>

Srdjan Petrovic <spetrovic@google.com>

Sridhar Venkatakrishnan <sridhar@laddoo.net>

StalkR <stalkr@stalkr.net>

Stan Schwertly <stan@schwertly.com>

Stanislav Afanasev <php.progger@gmail.com>

Steeve Morin <steeve.morin@gmail.com>

Stefan Nilsson <snilsson@nada.kth.se> <trolleriprofessorn@gmail.com>

Stephan Renatus <srenatus@chef.io>

Stphane Travostino <stephane.travostino@gmail.com>

Stephen Lewis <stephen@sock.org.uk>

 $Stephen\ Lu < steuhs @users.noreply.github.com >$ 

Stephen Ma <stephenm@golang.org>

 $Stephen\ McQuay\ < stephen\ @\ mcquay.me >$ 

Stephen Searles <stephens2424@gmail.com>

Stephen Weinberg <stephen@q5comm.com>

Steve Francia <spf@golang.org>

Steve Gilbert <stevegilbert23@gmail.com>

Steve McCoy <mccoyst@gmail.com>

Steve Newman <snewman@google.com>

Steve Phillips <elimisteve@gmail.com>

Steve Streeting <steve@stevestreeting.com>

Steven Buss <sbuss@google.com>

Steven Elliot Harris <seharris@gmail.com>

Steven Erenst <stevenerenst@gmail.com>

Steven Hartland <steven.hartland@multiplay.co.uk>

Steven Wilkin <stevenwilkin@gmail.com>

Sugu Sougoumarane <ssougou@gmail.com>

Suharsh Sivakumar < suharshs@google.com>

Sukrit Handa < sukrit.handa@utoronto.ca>

Sunny <me@darkowlzz.space>

Suriyaa Sundararuban <suriyaasundararuban@gmail.com>

Suyash <dextrous93@gmail.com>

Suzy Mueller <suzmue@golang.org>

Sven Almgren <sven@tras.se>

Sven Blumenstein <svbl@google.com>

Sylvain Zimmer <sylvain@sylvainzimmer.com>

Syohei YOSHIDA <syohex@gmail.com>

Szabolcs Nagy <nsz@port70.net>

Tad Fisher <tadfisher@gmail.com>

Tad Glines <tad.glines@gmail.com>

Taj Khattra <taj.khattra@gmail.com>

Takashi Matsuo <tmatsuo@google.com>

Takayoshi Nishida <takayoshi.nishida@gmail.com>

Takeshi YAMANASHI <9.nashi@gmail.com>

Takuto Ikuta < tikuta@google.com>

Takuya Ueda <uedatakuya@gmail.com>

Tal Shprecher <tshprecher@gmail.com>

Tamir Duberstein <tamird@gmail.com>

Tao Wang <twang2218@gmail.com>

Tarmigan Casebolt <tarmigan@gmail.com>

Taro Aoki <aizu.s1230022@gmail.com>

Taru Karttunen <taruti@taruti.net>

Tatsuhiro Tsujikawa <tatsuhiro.t@gmail.com>

Teague Cole <tnc1443@gmail.com>

Ted Kornish <golang@tedkornish.com>

Tejasvi Nareddy <tejunareddy@gmail.com>

Terin Stock <terinjokes@gmail.com>

Terrel Shumway <gopher@shumway.us>

Tetsuo Kiso <tetsuokiso9@gmail.com>

Than McIntosh <thanm@google.com>

Thanabodee Charoenpiriyakij <wingyminus@gmail.com>

Thanatat Tamtan <acoshift@gmail.com>

Thiago Avelino <t@avelino.xxx>

Thiago Fransosi Farina <a href="mailto:chromium.org">thiago Fransosi Farina <a href="

Thomas Alan Copeland <talan.copeland@gmail.com>

Thomas Bonfort <thomas.bonfort@gmail.com>

Thomas Bouldin <inlined@google.com>

Thomas Bruyelle <thomas.bruyelle@gmail.com>

Thomas de Zeeuw <thomasdezeeuw@gmail.com>

Thomas Desrosiers <thomasdesr@gmail.com>

Thomas Habets <a href="mailto:habets@google.com">habets@google.com</a>>

Thomas Kappler < tkappler@gmail.com>

Thomas Meson <zllak@hycik.org>

Thomas Wanielista <tomwans@gmail.com>

Thorben Krueger <a href="mailto:krueger@gmail.com">thorben Krueger@gmail.com</a>

Thordur Bjornsson <thorduri@secnorth.net>

Tiago Queiroz <contato@tiago.eti.br>

Tilman Dilo <tilman.dilo@gmail.com>

Tim Cooijmans < timcooijmans@gmail.com>

Tim Cooper <tim.cooper@layeh.com>

Tim Ebringer < tim.ebringer@gmail.com>

Tim Heckman <t@heckman.io>

Tim Henderson <tim.tadh@gmail.com>

Tim Hockin <thockin@google.com>

Tim Swast <swast@google.com>

Tim Wright <tenortim@gmail.com>

Timo Savola < timo.savola@gmail.com>

Timo Truyts <alkaloid.btx@gmail.com>

Timothy Studd <tim@timstudd.com>

Tipp Moseley <tipp@google.com>

Tobias Assarsson <tobias.assarsson@gmail.com>

Tobias Columbus <tobias.columbus@gmail.com> <tobias.columbus@googlemail.com>

Tobias Klauser < tklauser@distanz.ch>

Toby Burress < kurin@google.com>

Todd Neal <todd@tneal.org>

Todd Wang <toddwang@gmail.com>

Tom Bergan <tombergan@google.com>

Tom Heng <zhm20070928@gmail.com>

Tom Lanyon <tomlanyon@google.com>

Tom Levy <tomlevy93@gmail.com>

Tom Limoncelli <tal@whatexit.org>

Tom Linford <tomlinford@gmail.com>

Tom Payne <twpayne@gmail.com>

Tom Szymanski <tgs@google.com>

Tom Thorogood <me+google@tomthorogood.co.uk>

Tom Wilkie <tom@weave.works>

Tommy Schaefer <tommy.schaefer@teecom.com>

Tomoya Ishizaki <zaq1tomo@gmail.com>

Tonis Tiigi <tonistiigi@gmail.com>

Tony Walker <walkert.uk@gmail.com>

Tor Andersson <tor.andersson@gmail.com>

Tormod Erevik Lea <tormodlea@gmail.com>

Toshiki Shima <hayabusa1419@gmail.com>

Totoro W <tw19881113@gmail.com>

Travis Bischel <a href="mailto:cravis.bischel@gmail.com">cravis.bischel@gmail.com</a>

Travis Cline <travis.cline@gmail.com>

Trevor Strohman < trevor.strohman@gmail.com>

Trey Lawrence <a href="mailto:lawrence.trey@gmail.com">Lawrence <a href="mailto:lawrence.trey@gmail.com">lawrence.trey@gmail.com</a>

Trey Roessig <trey.roessig@gmail.com>

Trey Tacon <ttacon@gmail.com>

Tristan Amini <tamini01@ca.ibm.com>

Tristan Colgate <tcolgate@gmail.com>

Tristan Ooohry <ooohry@gmail.com>

Tristan Rice <rice@fn.lc>

Troels Thomsen <troels@thomsen.io>

Trung Nguyen <trung.n.k@gmail.com>

Tudor Golubenco <tudor.g@gmail.com>

Tugdual Saunier < tugdual.saunier@gmail.com>

Tuo Shan <sturbo89@gmail.com> <shantuo@google.com>

Tyler Bui-Palsulich <tpalsulich@google.com>

Tyler Bunnell <tylerbunnell@gmail.com>

Tyler Treat <ttreat31@gmail.com>

Tzu-Jung Lee < roylee 17@ currant.com>

Ugorji Nwoke <ugorji@gmail.com>

Ulf Holm Nielsen <doktor@dyregod.dk>

Ulrich Kunitz <uli.kunitz@gmail.com>

Uriel Mangado <uriel@berlinblue.org>

Uttam C Pawar <uttam.c.pawar@intel.com>

Vadim Grek <vadimprog@gmail.com>

Vadim Vygonets <unixdj@gmail.com>

Val Polouchkine vpolouch@justin.tv>

Vega Garcia Luis Alfonso <vegacom@gmail.com>

Veselkov Konstantin <kostozyb@gmail.com>

Victor Chudnovsky <vchudnov@google.com>

Victor Vrantchan <vrancean+github@gmail.com>

Vignesh Ramachandra <vickyramachandra@gmail.com>

Vikas Kedia <vikask@google.com>

Vincent Ambo <tazjin@googlemail.com>

Vincent Batts <vbatts@hashbangbash.com> <vbatts@gmail.com>

Vincent Vanackere <vincent.vanackere@gmail.com>

Vinu Rajashekhar <vinutheraj@gmail.com>

Vish Subramanian < vish@google.com>

Vishvananda Ishaya <vishvananda@gmail.com>

Vitor De Mario <vitordemario@gmail.com>

Vlad Krasnov <vlad@cloudflare.com>

Vladimir Kuzmin < vkuzmin@uber.com>

Vladimir Mihailenco <vladimir.webdev@gmail.com>

Vladimir Nikishenko <vova616@gmail.com>

Vladimir Stefanovic <vladimir.stefanovic@imgtec.com>

Vladimir Varankin <nek.narqo@gmail.com>

Volker Dobler <dr.volker.dobler@gmail.com>

Volodymyr Paprotski <vpaprots@ca.ibm.com>

W. Trevor King < wking@tremily.us>

Wade Simmons <wade@wades.im>

Walter Poupore <wpoupore@google.com>

Wander Lairson Costa < wcosta@mozilla.com>

Wayne Ashley Berry <wayneashleyberry@gmail.com>

Wedson Almeida Filho < wedsonaf@google.com>

Wi Cngru <crvv.mail@gmail.com>

Wei Fu <fhfuwei@163.com>

Wei Guangjing < vcc.163@gmail.com>

Wei Xiao <wei.xiao@arm.com>

Weichao Tang <tevic.tt@gmail.com>

Wembley G. Leach, Jr <wembley.gl@gmail.com>

Wilfried Teiken < wteiken@google.com>

Will Chan < willchan@google.com>

Will Faught < will.faught@gmail.com>

Will Norris < willnorris@google.com>

Will Storey <will@summercat.com>

Willem van der Schyff <willemvds@gmail.com>

William Chan <willchan@chromium.org>

William Chang <mr.williamchang@gmail.com>

William Josephson < wjosephson@gmail.com>

William Orr <will@worrbase.com> <ay1244@gmail.com>

Wisdom Omuya <deafgoat@gmail.com>

Wu Yunzhou <yunzhouwu@gmail.com>

Xi Ruoyao <xry23333@gmail.com>

Xia Bin <snyh@snyh.org>

Xing Xing <mikespook@gmail.com>

Xu Fei <br/>
<br/>
badgangkiller@gmail.com>

Xudong Zhang <felixmelon@gmail.com>

Xudong Zheng <7pkvm5aw@slicealias.com>

Xuyang Kang < xuyangkang@gmail.com>

Yamagishi Kazutoshi <ykzts@desire.sh>

Yan Zou <yzou@google.com>

Yann Hodique <yhodique@google.com>

Yann Kerherv < yann.kerherve@gmail.com>

Yann Salan <yannsalaun1@gmail.com>

Yao Zhang <lunaria21@gmail.com>

Yaron de Leeuw < jarondl@google.com>

Yasha Bubnov <girokompass@gmail.com>

Yasuharu Goto <matope.ono@gmail.com>

Yasuhiro Matsumoto <mattn.jp@gmail.com>

Yasuyuki Oka <yasuyk@gmail.com>

Yazen Shunnar <yazen.shunnar@gmail.com>

Yestin Sun <ylh@pdx.edu>

Yesudeep Mangalapilly <yesudeep@google.com>

Yissakhar Z. Beck <yissakhar.beck@gmail.com>

Yo-An Lin <yoanlin93@gmail.com>

Yongjian Xu <i3dmaster@gmail.com>

Yorman Arias <cixtords@gmail.com>

Yoshiyuki Kanno <nekotaroh@gmail.com> <yoshiyuki.kanno@stoic.co.jp>

Yoshiyuki Mineo <yoshiyuki.mineo@gmail.com>

Yosuke Akatsuka <yosuke.akatsuka@gmail.com>

Yu Heng Zhang <annita.zhang@cn.ibm.com>

Yu Xuan Zhang <zyxsh@cn.ibm.com>

Yuji Yaginuma <yuuji.yaginuma@gmail.com>

Yuki Yugui Sonoda <yugui@google.com>

Yukihiro Nishinaka <6elpinal@gmail.com>

Yury Smolsky <yury@smolsky.by>

Yusuke Kagiwada <block.rxckin.beats@gmail.com>

Yuusei Kuwana <kuwana@kumama.org>

Yuval Pavel Zholkover <paulzhol@gmail.com>

Yves Junqueira <yvesj@google.com> <yves.junqueira@gmail.com>

Zac Bergquist <zbergquist99@gmail.com>

Zach Bintliff <zbintliff@gmail.com>

Zach Gershman < zachgersh@gmail.com>

Zachary Gershman <zgershman@pivotal.io>

Zak <zrjknill@gmail.com>

Zakatell Kanda <hi@zkanda.io>

Zellyn Hunter <zellyn@squareup.com> <zellyn@gmail.com>

Zev Goldstein < zev.goldstein@gmail.com>

Zheng Dayu <davidzheng23@gmail.com>

Zhengyu He <hzy@google.com>

Zhongpeng Lin <zplin@uber.com>

Zhongtao Chen <chenzhongtao@126.com>

Zhongwei Yao <zhongwei.yao@arm.com>

Zhou Peng <p@ctriple.cn>

Ziad Hatahet <hatahet@gmail.com>

Zorion Arrizabalaga <zorionk@gmail.com>

<max.faceless.frei@gmail.com>

<hagen1778@gmail.com>

<tbunyk@gmail.com>

<faxriddinjon@gmail.com>

<zs349596@gmail.com>

<br/>bronze1man@gmail.com>

Apache License

Version 2.0, January 2004

http://www.apache.org/licenses/

#### TERMS AND CONDITIONS FOR USE, REPRODUCTION, AND DISTRIBUTION

## 1. Definitions.

"License" shall mean the terms and conditions for use, reproduction,

and distribution as defined by Sections 1 through 9 of this document.

"Licensor" shall mean the copyright owner or entity authorized by the copyright owner that is granting the License.

"Legal Entity" shall mean the union of the acting entity and all other entities that control, are controlled by, or are under common control with that entity. For the purposes of this definition, "control" means (i) the power, direct or indirect, to cause the direction or management of such entity, whether by contract or otherwise, or (ii) ownership of fifty percent (50%) or more of the outstanding shares, or (iii) beneficial ownership of such entity.

"You" (or "Your") shall mean an individual or Legal Entity exercising permissions granted by this License.

"Source" form shall mean the preferred form for making modifications, including but not limited to software source code, documentation source, and configuration files.

"Object" form shall mean any form resulting from mechanical transformation or translation of a Source form, including but not limited to compiled object code, generated documentation, and conversions to other media types.

"Work" shall mean the work of authorship, whether in Source or Object form, made available under the License, as indicated by a copyright notice that is included in or attached to the work (an example is provided in the Appendix below).

"Derivative Works" shall mean any work, whether in Source or Object form, that is based on (or derived from) the Work and for which the editorial revisions, annotations, elaborations, or other modifications represent, as a whole, an original work of authorship. For the purposes of this License, Derivative Works shall not include works that remain separable from, or merely link (or bind by name) to the interfaces of, the Work and Derivative Works thereof.

"Contribution" shall mean any work of authorship, including the original version of the Work and any modifications or additions to that Work or Derivative Works thereof, that is intentionally submitted to Licensor for inclusion in the Work by the copyright owner or by an individual or Legal Entity authorized to submit on behalf of the copyright owner. For the purposes of this definition, "submitted" means any form of electronic, verbal, or written communication sent to the Licensor or its representatives, including but not limited to communication on electronic mailing lists, source code control systems, and issue tracking systems that are managed by, or on behalf of, the

Licensor for the purpose of discussing and improving the Work, but excluding communication that is conspicuously marked or otherwise designated in writing by the copyright owner as "Not a Contribution."

"Contributor" shall mean Licensor and any individual or Legal Entity on behalf of whom a Contribution has been received by Licensor and subsequently incorporated within the Work.

- 2. Grant of Copyright License. Subject to the terms and conditions of this License, each Contributor hereby grants to You a perpetual, worldwide, non-exclusive, no-charge, royalty-free, irrevocable copyright license to reproduce, prepare Derivative Works of, publicly display, publicly perform, sublicense, and distribute the Work and such Derivative Works in Source or Object form.
- 3. Grant of Patent License. Subject to the terms and conditions of this License, each Contributor hereby grants to You a perpetual, worldwide, non-exclusive, no-charge, royalty-free, irrevocable (except as stated in this section) patent license to make, have made, use, offer to sell, sell, import, and otherwise transfer the Work, where such license applies only to those patent claims licensable by such Contributor that are necessarily infringed by their Contribution(s) alone or by combination of their Contribution(s) with the Work to which such Contribution(s) was submitted. If You institute patent litigation against any entity (including a cross-claim or counterclaim in a lawsuit) alleging that the Work or a Contributory patent infringement, then any patent licenses granted to You under this License for that Work shall terminate as of the date such litigation is filed.
- 4. Redistribution. You may reproduce and distribute copies of the Work or Derivative Works thereof in any medium, with or without modifications, and in Source or Object form, provided that You meet the following conditions:
  - (a) You must give any other recipients of the Work or Derivative Works a copy of this License; and
  - (b) You must cause any modified files to carry prominent notices stating that You changed the files; and
  - (c) You must retain, in the Source form of any Derivative Works that You distribute, all copyright, patent, trademark, and attribution notices from the Source form of the Work, excluding those notices that do not pertain to any part of the Derivative Works; and

(d) If the Work includes a "NOTICE" text file as part of its distribution, then any Derivative Works that You distribute must include a readable copy of the attribution notices contained within such NOTICE file, excluding those notices that do not pertain to any part of the Derivative Works, in at least one of the following places: within a NOTICE text file distributed as part of the Derivative Works; within the Source form or documentation, if provided along with the Derivative Works; or, within a display generated by the Derivative Works, if and wherever such third-party notices normally appear. The contents of the NOTICE file are for informational purposes only and do not modify the License. You may add Your own attribution notices within Derivative Works that You distribute, alongside or as an addendum to the NOTICE text from the Work, provided that such additional attribution notices cannot be construed as modifying the License.

You may add Your own copyright statement to Your modifications and may provide additional or different license terms and conditions for use, reproduction, or distribution of Your modifications, or for any such Derivative Works as a whole, provided Your use, reproduction, and distribution of the Work otherwise complies with the conditions stated in this License.

- 5. Submission of Contributions. Unless You explicitly state otherwise, any Contribution intentionally submitted for inclusion in the Work by You to the Licensor shall be under the terms and conditions of this License, without any additional terms or conditions. Notwithstanding the above, nothing herein shall supersede or modify the terms of any separate license agreement you may have executed with Licensor regarding such Contributions.
- 6. Trademarks. This License does not grant permission to use the trade names, trademarks, service marks, or product names of the Licensor, except as required for reasonable and customary use in describing the origin of the Work and reproducing the content of the NOTICE file.
- 7. Disclaimer of Warranty. Unless required by applicable law or agreed to in writing, Licensor provides the Work (and each Contributor provides its Contributions) on an "AS IS" BASIS, WITHOUT WARRANTIES OR CONDITIONS OF ANY KIND, either express or implied, including, without limitation, any warranties or conditions of TITLE, NON-INFRINGEMENT, MERCHANTABILITY, or FITNESS FOR A PARTICULAR PURPOSE. You are solely responsible for determining the appropriateness of using or redistributing the Work and assume any risks associated with Your exercise of permissions under this License.
- 8. Limitation of Liability. In no event and under no legal theory,

whether in tort (including negligence), contract, or otherwise, unless required by applicable law (such as deliberate and grossly negligent acts) or agreed to in writing, shall any Contributor be liable to You for damages, including any direct, indirect, special, incidental, or consequential damages of any character arising as a result of this License or out of the use or inability to use the Work (including but not limited to damages for loss of goodwill, work stoppage, computer failure or malfunction, or any and all other commercial damages or losses), even if such Contributor has been advised of the possibility of such damages.

9. Accepting Warranty or Additional Liability. While redistributing the Work or Derivative Works thereof, You may choose to offer, and charge a fee for, acceptance of support, warranty, indemnity, or other liability obligations and/or rights consistent with this License. However, in accepting such obligations, You may act only on Your own behalf and on Your sole responsibility, not on behalf of any other Contributor, and only if You agree to indemnify, defend, and hold each Contributor harmless for any liability incurred by, or claims asserted against, such Contributor by reason of your accepting any such warranty or additional liability.

#### END OF TERMS AND CONDITIONS

APPENDIX: How to apply the Apache License to your work.

To apply the Apache License to your work, attach the following boilerplate notice, with the fields enclosed by brackets "[]" replaced with your own identifying information. (Don't include the brackets!) The text should be enclosed in the appropriate comment syntax for the file format. We also recommend that a file or class name and description of purpose be included on the same "printed page" as the copyright notice for easier identification within third-party archives.

Copyright [yyyy] [name of copyright owner]

Licensed under the Apache License, Version 2.0 (the "License"); you may not use this file except in compliance with the License. You may obtain a copy of the License at

http://www.apache.org/licenses/LICENSE-2.0

Unless required by applicable law or agreed to in writing, software distributed under the License is distributed on an "AS IS" BASIS, WITHOUT WARRANTIES OR CONDITIONS OF ANY KIND, either express or implied. See the License for the specific language governing permissions and limitations under the License.

Copyright (c) 2015 The Go Authors. All rights reserved.

Redistribution and use in source and binary forms, with or without modification, are permitted provided that the following conditions are met:

- \* Redistributions of source code must retain the above copyright notice, this list of conditions and the following disclaimer.
- \* Redistributions in binary form must reproduce the above copyright notice, this list of conditions and the following disclaimer in the documentation and/or other materials provided with the distribution.
- \* Neither the name of Google Inc. nor the names of its contributors may be used to endorse or promote products derived from this software without specific prior written permission.

THIS SOFTWARE IS PROVIDED BY THE COPYRIGHT HOLDERS AND CONTRIBUTORS "AS IS" AND ANY EXPRESS OR IMPLIED WARRANTIES, INCLUDING, BUT NOT LIMITED TO, THE IMPLIED WARRANTIES OF MERCHANTABILITY AND FITNESS FOR A PARTICULAR PURPOSE ARE DISCLAIMED. IN NO EVENT SHALL THE COPYRIGHT OWNER OR CONTRIBUTORS BE LIABLE FOR ANY DIRECT, INDIRECT, INCIDENTAL, SPECIAL, EXEMPLARY, OR CONSEQUENTIAL DAMAGES (INCLUDING, BUT NOT LIMITED TO, PROCUREMENT OF SUBSTITUTE GOODS OR SERVICES; LOSS OF USE, DATA, OR PROFITS; OR BUSINESS INTERRUPTION) HOWEVER CAUSED AND ON ANY THEORY OF LIABILITY, WHETHER IN CONTRACT, STRICT LIABILITY, OR TORT (INCLUDING NEGLIGENCE OR OTHERWISE) ARISING IN ANY WAY OUT OF THE USE OF THIS SOFTWARE, EVEN IF ADVISED OF THE POSSIBILITY OF SUCH DAMAGE. Copyright 2010-2017 Mike Bostock

Redistribution and use in source and binary forms, with or without modification, are permitted provided that the following conditions are met:

- \* Redistributions of source code must retain the above copyright notice, this list of conditions and the following disclaimer.
- \* Redistributions in binary form must reproduce the above copyright notice, this list of conditions and the following disclaimer in the documentation and/or other materials provided with the distribution.
- \* Neither the name of the author nor the names of contributors may be used to endorse or promote products derived from this software without specific prior written permission.

THIS SOFTWARE IS PROVIDED BY THE COPYRIGHT HOLDERS AND CONTRIBUTORS "AS IS" AND ANY EXPRESS OR IMPLIED WARRANTIES, INCLUDING, BUT NOT LIMITED TO, THE IMPLIED WARRANTIES OF MERCHANTABILITY AND FITNESS FOR A PARTICULAR PURPOSE ARE DISCLAIMED. IN NO EVENT SHALL THE COPYRIGHT OWNER OR CONTRIBUTORS BE LIABLE FOR

ANY DIRECT, INDIRECT, INCIDENTAL, SPECIAL, EXEMPLARY, OR CONSEQUENTIAL DAMAGES (INCLUDING, BUT NOT LIMITED TO, PROCUREMENT OF SUBSTITUTE GOODS OR SERVICES; LOSS OF USE, DATA, OR PROFITS; OR BUSINESS INTERRUPTION) HOWEVER CAUSED AND ON ANY THEORY OF LIABILITY, WHETHER IN CONTRACT, STRICT LIABILITY, OR TORT (INCLUDING NEGLIGENCE OR OTHERWISE) ARISING IN ANY WAY OUT OF THE USE OF THIS SOFTWARE, EVEN IF ADVISED OF THE POSSIBILITY OF SUCH DAMAGE.

Redistribution and use in source and binary forms, with or without modification, are permitted provided that the following conditions are met:

Copyright 2009-2017 Andrea Leofreddi <a.leofreddi@vleo.net>. All rights reserved.

- 1. Redistributions of source code must retain the above copyright notice, this list of conditions and the following disclaimer.
- 2. Redistributions in binary form must reproduce the above copyright notice, this list of conditions and the following disclaimer in the documentation and/or other materials provided with the distribution.
- 3. Neither the name of the copyright holder nor the names of its contributors may be used to endorse or promote products derived from this software without specific prior written permission.

THIS SOFTWARE IS PROVIDED BY COPYRIGHT HOLDERS AND CONTRIBUTORS "AS IS" AND ANY EXPRESS

OR IMPLIED WARRANTIES, INCLUDING, BUT NOT LIMITED TO, THE IMPLIED WARRANTIES OF MERCHANTABILITY

AND FITNESS FOR A PARTICULAR PURPOSE ARE DISCLAIMED. IN NO EVENT SHALL COPYRIGHT HOLDERS OR

CONTRIBUTORS BE LIABLE FOR ANY DIRECT, INDIRECT, INCIDENTAL, SPECIAL, EXEMPLARY, OR CONSEQUENTIAL DAMAGES (INCLUDING, BUT NOT LIMITED TO, PROCUREMENT OF SUBSTITUTE GOODS OR

SERVICES; LOSS OF USE, DATA, OR PROFITS; OR BUSINESS INTERRUPTION) HOWEVER CAUSED AND ON

ANY THEORY OF LIABILITY, WHETHER IN CONTRACT, STRICT LIABILITY, OR TORT (INCLUDING NEGLIGENCE OR OTHERWISE) ARISING IN ANY WAY OUT OF THE USE OF THIS SOFTWARE, EVEN IF

ADVISED OF THE POSSIBILITY OF SUCH DAMAGE.

The views and conclusions contained in the software and documentation are those of the authors and should not be interpreted as representing official policies, either expressed or implied, of Andrea Leofreddi.

# 1.10 libxml2 2.9.13

## 1.10.1 Available under license:

Except where otherwise noted in the source code (e.g. the files hash.c, list.c and the trio files, which are covered by a similar licence but with different Copyright notices) all the files are:

Copyright (C) 1998-2012 Daniel Veillard. All Rights Reserved.

Permission is hereby granted, free of charge, to any person obtaining a copy of this software and associated documentation files (the "Software"), to deal in the Software without restriction, including without limitation the rights to use, copy, modify, merge, publish, distribute, sublicense, and/or sell copies of the Software, and to permit persons to whom the Software is furnished to do so, subject to the following conditions:

The above copyright notice and this permission notice shall be included in all copies or substantial portions of the Software.

THE SOFTWARE IS PROVIDED "AS IS", WITHOUT WARRANTY OF ANY KIND, EXPRESS OR IMPLIED, INCLUDING BUT NOT LIMITED TO THE WARRANTIES OF MERCHANTABILITY, FITNESS FOR A PARTICULAR PURPOSE AND NONINFRINGEMENT. IN NO EVENT SHALL THE AUTHORS OR COPYRIGHT HOLDERS BE LIABLE FOR ANY CLAIM, DAMAGES OR OTHER LIABILITY, WHETHER IN AN ACTION OF CONTRACT, TORT OR OTHERWISE, ARISING FROM, OUT OF OR IN CONNECTION WITH THE SOFTWARE OR THE USE OR OTHER DEALINGS IN THE SOFTWARE.

# 1.11 sqlite 3.39.3

# 1.11.1 Available under license:

The author disclaims copyright to this source code. In place of a legal notice, here is a blessing:

May you do good and not evil.

May you find forgiveness for yourself and forgive others.

May you share freely, never taking more than you give.

The author disclaims copyright to this source code. In place of a legal notice, here is a blessing:

- \* May you do good and not evil.
- \* May you find forgiveness for yourself and forgive others.
- \* May you share freely, never taking more than you give.

# 1.12 curl 7.84.0

## 1.12.1 Available under license:

COPYRIGHT AND PERMISSION NOTICE

Copyright (c) 1996 - 2022, Daniel Stenberg, <daniel@haxx.se>, and many contributors, see the THANKS file.

All rights reserved.

Permission to use, copy, modify, and distribute this software for any purpose with or without fee is hereby granted, provided that the above copyright notice and this permission notice appear in all copies.

THE SOFTWARE IS PROVIDED "AS IS", WITHOUT WARRANTY OF ANY KIND, EXPRESS OR IMPLIED, INCLUDING BUT NOT LIMITED TO THE WARRANTIES OF MERCHANTABILITY, FITNESS FOR A PARTICULAR PURPOSE AND NONINFRINGEMENT OF THIRD PARTY RIGHTS. IN NO EVENT SHALL THE AUTHORS OR COPYRIGHT HOLDERS BE LIABLE FOR ANY CLAIM, DAMAGES OR OTHER LIABILITY, WHETHER IN AN ACTION OF CONTRACT, TORT OR OTHERWISE, ARISING FROM, OUT OF OR IN CONNECTION WITH THE SOFTWARE OR THE USE OR OTHER DEALINGS IN THE SOFTWARE.

Except as contained in this notice, the name of a copyright holder shall not be used in advertising or otherwise to promote the sale, use or other dealings in this Software without prior written authorization of the copyright holder.

Cisco and the Cisco logo are trademarks or registered trademarks of Cisco and/or its affiliates in the U.S. and other countries. To view a list of Cisco trademarks, go to this URL: www.cisco.com/go/trademarks. Third-party trademarks mentioned are the property of their respective owners. The use of the word partner does not imply a partnership relationship between Cisco and any other company. (1110R)

©2023 Cisco Systems, Inc. All rights reserved.