

Third Party Content Acknowledgement

Space Event Generator v3.0

This product contains third party contents licensed under the terms of separate software licenses. While COMSPOC strives to provide you with a complete and accurate list, errors or omissions may occur. We invite you to bring omissions to our attention by emailing: contracts@comspoc.com. Third party terms, conditions and copyright attributions can be found in the “About” section under the “Help Menu” within the COMSPOC Software, or the most recent version can be found at www.comspoc.com/sla and are as follows:

STK v11.7 is included as part of the SEG install, all third-party acknowledgement references can be found on the STK install or obtained upon request.

ODTK v7.1 is included as part of the SEG install, all third-party acknowledgement references can be found on the ODTK install or obtained upon request.

THIRD PARTY COMPONENTS

1. @angular/core 7.2.11

Author: Google, Inc.

WWW: <https://github.com/angular/angular#readme>

Copyright (c) 2010-2019 Google LLC. [Http://angular.io/license](http://angular.io/license)

A copy of the MIT license is included in Appendix A to this notice.

2. abbrev 1.1.1

Author: Isaac Z. Schlueter (i@izs.me)

WWW: <https://github.com/isaacs/abbrev-js#readme>

Copies of the MIT and ISC licenses are included in Appendix A to this notice.

3. Accord.NET Framework 3.2.0

WWW: <https://github.com/accord-net/framework/tree/v3.2.0>

The Accord.NET Framework
<http://accord-framework.net>

This project has been the result of years of work, in which several contributors, including engineers, researchers and hobbyists alike decided to share their work and contribute to its development. The space below enlists a few of those people who either agreed to help or actively participated on its development:

- Anders Gustafsson
- Antonino Porcino
- Antonis Kalapodis
- Andrew Kirillov
- Ashley Messer
- Benjamin Collins
- Darko Juric

- David Durrleman
- Doug Blank
- Hans Wolff
- Marcos Diego Catalano
- Max Bügler
- Mathias Brandewinder
- Mikkel Porse Rasmussen
- Peter Sergio Larsen
- Remy Disp

In May 2015, the project has been merged with the AForge.NET codebase, incorporating the work of even more contributors. In a true spirit of community, notorious previous contributors are also listed below:

- Andrew Kirillov (the project creator, with the best ideas)
- Fábio Caversan
- Alejandro Pirola
- Cezary Wagner
- Dale McCoy
- Fabio Caversan
- Frank Nagl
- Israel Lot
- Jeremy Noring
- Joan Charmant
- Joris Geurts
- Krzysztof Blacha
- Kyle Parrigan
- Markus Falkensteiner
- Mladen Prajdic
- Volodymyr Goncharov
- Yves Vander Haeghen

Copyright (c) 2009-2016, Accord.NET Authors <authors@accord-framework.net>

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.

The copyright holders provide no reassurances that the source code provided does not infringe any patent, copyright, or any other intellectual property rights of third parties. The copyright holders disclaim any liability to any recipient for claims brought against recipient by any third party for infringement of that parties intellectual property rights.

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.

Warning: Depending on your installation options, some modules of the library may be available under different licenses. Those modules have been identified as GPL or noncommercial only. In this case, check the copyright headers of each extra module for more details before installing or using them.

The integral text of the GNU Lesser General Public License is reproduced below. Installing or using this software means you have understand and agreed by the terms of the license. A official version of the license is also available at <<http://www.gnu.org/licenses/>>.

GNU LESSER GENERAL PUBLIC LICENSE

Version 2.1, February 1999

Copyright (C) 1991, 1999 Free Software Foundation, Inc.

51 Franklin St, 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 THE COST OF ALL NECESSARY SERVICING, REPAIR OR CORRECTION.

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 St, 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

Copyright (c) 2009-2016, Accord.NET Authors <authors @ accord-framework.net>

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.

The copyright holders provide no reassurances that the source code provided does not infringe any patent, copyright, or any other intellectual property rights of third parties. The copyright holders disclaim any liability to any recipient for claims brought against recipient by any third party for infringement of that parties intellectual property rights.

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 program. If not, see <http://www.gnu.org/licenses/>.

Some modules of this library are distributed under the GPL, and not the LGPL. Those modules have been marked with .GPL.dll in their name. All relevant licensing information should also be accompanying each respective source code. Other extra modules may carry other restrictions. Please see relevant source headers for details.

The documentation sections contains references to Wikipedia and is thus entirely available under the Creative Commons Attribution/Share-Alike License. All referenced sections include a hyperlink to the original article page. If you think you have found something which has not been properly linked, please let me know so it can be corrected.

Overall framework architecture and style was greatly inspired by AForge.NET. In May 2015, this project has been merged with the AForge.NET framework since public support for AForge.NET has ended. The original AForge.NET Framework is a copyrighted work by Andrew Kirillov, although developed and shared under the same LGPL license.

This library also contains routines adapted from Lutz Roeder's Mapack for .NET, LAPACK and Jama routines. Jama has been released under the public domain. LAPACK has been released under a compatible 3-clause BSD license, listed below. Original ArrayDataView code is copyright (c) 2004 Mihail Stefanov, licensed under the LGPL with permission of the original author. Original SortableBindingList source code is copyright (c) 2008 Tim Van Wassenhove, licensed under the LGPL with permission of the original author. Statistics module contains code for computing the Kolmogorov-Smirnov distribution based on original code by Richard Simard, redistributed under the LGPL with permission of the original author. Imaging module contains code for Gabor filter based on the original code by Max Bügler, redistributed under the LGPL with permission of the original author.

The Augmented Lagrangian Solver implementation is based on the NLOpt Numerical Optimization Library, copyright (c) 2008 Steven G. Johnson, distributed under the MIT license. Some image filters have been contributed by Diego Catalano, distributed under the LGPL license and included with permission of the original author. Mathematics module includes the Kinematic joint models by Rémy Dispagne, licensed under the LGPL with permission of the original author. The Haar Object detector contains contributions from Darko Jurić, added with permission of the original author.

The Accord.Vision module includes definitions for Haar Cascades created by Modesto Castrillon-Santana, distributed under the LGPL with permission of the original author. The SURF interest points detector implementation is based on code by Christopher Evans, licensed under the LGPL with permission of the original author. The FAST corners detector has been created using a code generation tool created by Edward Rosten, distributed under a compatible 3-clause BSD license, listed below. The Camshift tracker implementation is based on the FaceIt ActionScript Camshift tracker, copyright (c) 2009 Benjamin Jung, distributed under the MIT license, listed below. The Project Marilena is copyright (c) 2008 Masakazu Ohtsuka, distributed under a compatible 2-clause BSD license, listed below. See actual sources for details.

You may request a copy of the applicable source code by sending a request to contracts@comspoc.com.

Below are the licenses applying to specific sections of the code. Those are not applicable to the work as a whole (the Framework), but to the specifics of each portion of the framework. See actual sources for details.

The FaceIt Library - Copyright (C) 2009 Benjamin Jung

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.

License notice for The Marilena Project

Copyright (C) 2008 Masakazu Ohtsuka

A copy of the BSD 2-Clause license is included in Appendix A to this notice.

License notice for The FAST Corners Detectors

Copyright (C) 2006-2010 Edward Rosten

A copy of the BSD 3-Clause license is included in Appendix A to this notice.

License notice for The Cephes Math Library

Copyright (C) 1984-2000 Stephen L. Moshier

Release 2.8 - June, 2000 Copyright 1984, 1987, 1988, 2000 by Stephen L. Moshier

Some software in this archive may be from the book *_Methods and Programs for Mathematical Functions_* (Prentice-Hall or Simon & Schuster International, 1989) or from the Cephes Mathematical Library, a commercial product. In either event, it is copyrighted by the author. What you see here may be used freely but it comes with no support or guarantee.

The two known misprints in the book are repaired here in the source listings for the gamma function and the incomplete beta integral.

Stephen L. Moshier
moshier@na-net.ornl.gov

License notice for The LAPACK Linear Algebra Package

Copyright (C) 1992-2010

Copyright (c) 1992-2010 The University of Tennessee and The University of Tennessee Research Foundation. All rights reserved.

Copyright (c) 2000-2010 The University of California Berkeley. All rights reserved.

Copyright (c) 2006-2010 The University of Colorado Denver. All rights reserved.

A copy of the BSD 3-Clause license is included in Appendix A to this notice.

License notice for NLOpt Numerical Optimization Library

Copyright (c) 2008-2014 Steven G. Johnson

Copyright (c) 2007-2011 Massachusetts Institute of Technology

A copy of the MIT license is included in Appendix A to this notice.

License notice for Peter Kovesi's Computer Vision functions

Copyright (c) 1995-2010 Peter Kovesi

Copyright (c) 1995-2010 Peter Kovesi

Centre for Exploration Targeting

School of Earth and Environment

The University of Western Australia

A copy of the MIT license is included in Appendix A to this notice.

License notice for LibSVM & Liblinear Library for Support Vector Machines

Copyright (c) 2000-2014 Chih-Chung Chang and Chih-Jen Lin

All rights reserved.

A copy of the BSD 3-Clause license is included in Appendix A to this notice.

License notice for Circular Statistics Toolbox (Directional Statistics)

Copyright © Philipp Berens, 2006-2012

All rights reserved.

A copy of the BSD 2-Clause license is included in Appendix A to this notice.

License notice for LumenWorks.Framework.IO.CSV.CsvReader – A Fast CSV Reader

Copyright © Sebastien Lorion, 2005-2011

All rights reserved.

A copy of the MIT license is included in Appendix A to this notice.

4. ajv 6.10.0

Author: Evgeny Poberezkin

WWW: <https://github.com/epoberezkin/ajv>

Copyright (c) 2015-2017 Evgeny Poberezkin

A copy of the MIT license is included in Appendix A to this notice.

5. amdefine 1.0.1

Author: James Burke (jrburke@gmail.com)

WWW: <http://github.com/jrburke/amdefine>

Copyright (c) 2011-2016, The Dojo Foundation All rights reserved.

Copies of the MIT and BSD 3-Clause licenses are included in Appendix A to this notice.

6. ansi-regex 2.1.1

Author: Sindre Sorhus (sindresorhus@gmail.com)

WWW: <https://github.com/chalk/ansi-regex#readme>

Copyright (c) Sindre Sorhus <sindresorhus@gmail.com> (sindresorhus.com)

A copy of the MIT license is included in Appendix A to this notice.

7. ansi-styles 2.2.1

Author: Sindre Sorhus (sindresorhus@gmail.com)

WWW: <https://github.com/chalk/ansi-styles#readme>

Copyright (c) Sindre Sorhus <sindresorhus@gmail.com> (sindresorhus.com)

A copy of the MIT license is included in Appendix A to this notice.

8. aproba 1.2.0

Author: Rebecca Turner (me@re-becca.org)

WWW: <https://github.com/iarna/aproba>

Copyright (c) 2015, Rebecca Turner <me@re-becca.org>

A copy of the ISC license is included in Appendix A to this notice.

9. are-we-there-yet 1.1.5

Author: Rebecca Turner

WWW: <https://github.com/iarna/are-we-there-yet>

Copyright (c) 2015, Rebecca Turner

A copy of the ISC license is included in Appendix A to this notice.

10. array-find-index 1.0.2

Author: Sindre Sorhus (sindresorhus@gmail.com)

WWW: <https://github.com/sindresorhus/array-find-index#readme>

Copyright (c) Sindre Sorhus <sindresorhus@gmail.com> (sindresorhus.com)

A copy of the MIT license is included in Appendix A to this notice.

11. asn1 0.2.4

Author: Joyent

Mark Cavage (mcavage@gmail.com)

David Gwynne (loki@animata.net)

Yunong Xiao (yunong@joyent.com)

Alex Wilson (alex.wilson@joyent.com)

WWW: <https://github.com/joyent/node-asn1#readme>

Copyright (c) 2011 Mark Cavage, All rights reserved.

A copy of the MIT license is included in Appendix A to this notice.

12. ASP.NET SignalR 1.2.2

Author: .NET Foundation and Contributors

WWW: <https://github.com/aspnet/SignalR>

Copyright (c) .NET Foundation and Contributors

A copy of the Apache 2.0 license is included in Appendix A to this notice.

13. ASP.NET Web API 5.1.1

Author: Microsoft

WWW: <https://github.com/aspnet/AspNetWebStack/tree/v3.1.3>

Copyright (c) Microsoft Open Technologies, Inc. All rights reserved.

Microsoft Open Technologies would like to thank its contributors, a list of whom are at <http://aspnetwebstack.codeplex.com/wikipage?title=Contributors>.

A copy of the Apache 2.0 license is included in Appendix A to this notice.

14. assert-plus 1.0.0

Author: Mark Cavage (mcavage@gmail.com)

Dave Eddy (dave@daveeddy.com)

Fred Kuo (fred.kuo@joyent.com)

Lars-Magnus Skog (ralphtheninja@riseup.net)

Mark Cavage (mcavage@gmail.com)

Patrick Mooney (pmooney@pfmooney.com)

Rob Gulewich (robert.gulewich@joyent.com)

WWW: <https://github.com/mcavage/node-assert-plus#readme>

Copyright (c) 2012 Mark Cavage

A copy of the MIT license is included in Appendix A to this notice.

15. async-foreach 0.1.3

Author: "Cowboy" Ben Alman

WWW: <http://github.com/cowboy/javascript-sync-async-foreach>

Copyright (c) 2011 "Cowboy" Ben Alman

A copy of the MIT license is included in Appendix A to this notice.

16. [asynckit 0.4.0](#)

Author: Alex Indigo (iam@alexindigo.com)

WWW: <https://github.com/alexindigo/asynckit#readme>

Copyright (c) 2016 Alex Indigo

A copy of the MIT license is included in Appendix A to this notice.

17. [autoit 3.3](#)

Author: Jonathan Bennett and the AutoIt Team

WWW: <https://www.autoitscript.com/site/autoit/>

END-USER LICENSE AGREEMENT FOR THIS SOFTWARE

This End-User License Agreement ("EULA") is a legal agreement between you (either an individual or a single entity) and the mentioned author of this Software for the software product identified above, which includes computer software and may include associated media, printed materials, and "online" or electronic documentation ("SOFTWARE PRODUCT"). By installing, copying, or otherwise using the SOFTWARE PRODUCT, you agree to be bound by the terms of this EULA. If you do not agree to the terms of this EULA, do not install or use the SOFTWARE PRODUCT.

SOFTWARE PRODUCT LICENSE

The SOFTWARE PRODUCT is protected by copyright laws and international copyright treaties, as well as other intellectual property laws and treaties. The SOFTWARE PRODUCT is licensed, not sold.

The definition of SOFTWARE PRODUCT does not include any files generated by the SOFTWARE PRODUCT, such as compiled script files in the form of standalone executables.

1. GRANT OF LICENSE

This EULA grants you the following rights:

Installation and Use. You may install and use an unlimited number of copies of the SOFTWARE PRODUCT.

Reproduction and Distribution. You may reproduce and distribute an unlimited number of copies of the SOFTWARE PRODUCT either in whole or in part; each copy should include all copyright and trademark notices, and shall be accompanied by a copy of this EULA. Copies of the SOFTWARE PRODUCT may be distributed as a standalone product or included with your own product.

Commercial Use. You may use the SOFTWARE PRODUCT for commercial purposes. You may sell for profit and freely distribute scripts and/or compiled scripts that were created with the SOFTWARE PRODUCT.

Reverse engineering. You may not reverse engineer or disassemble the SOFTWARE PRODUCT.

2. COPYRIGHT

All title and copyrights in and to the SOFTWARE PRODUCT (including but not limited to any images, photographs, animations, video, audio, music, text, and "applets" incorporated into the SOFTWARE PRODUCT), the accompanying printed materials, and any copies of the SOFTWARE PRODUCT are owned by the Author of this Software. The SOFTWARE PRODUCT is protected by copyright laws and international treaty provisions.

Therefore, you must treat the SOFTWARE PRODUCT like any other copyrighted material.

MISCELLANEOUS

If you acquired this product in the United Kingdom, this EULA is governed by the laws of the United Kingdom. If this product was acquired outside the United Kingdom, then local law may apply.

Should you have any questions concerning this EULA, or if you desire to contact the author of this Software for any reason, please contact him/her at the email address mentioned at the top of this EULA.

LIMITED WARRANTY

1. NO WARRANTIES

The Author of this Software expressly disclaims any warranty for the SOFTWARE PRODUCT. The SOFTWARE PRODUCT and any related documentation is provided "as is" without warranty of any kind, either express or implied, including, without limitation, the implied warranties or merchantability, fitness for a particular purpose, or non-infringement. The entire risk arising out of use or performance of the SOFTWARE PRODUCT remains with you.

2. NO LIABILITY FOR DAMAGES

In no event shall the author of this Software be liable for any damages whatsoever (including, without limitation, damages for loss of business profits, business interruption, loss of business information, or any other pecuniary loss) arising out of the use of or inability to use this product, even if the Author of this Software has been advised of the possibility of such damages. Because some states/jurisdictions do not allow the exclusion or limitation of liability for consequential or incidental damages, the above limitation may not apply to you.

18. [aws4 1.8.0](#)

Author: Michael Hart (michael.hart.au@gmail.com)

WWW: <https://github.com/mhart/aws4#readme>

Copyright 2013 Michael Hart (michael.hart.au@gmail.com)

A copy of the MIT license is included in Appendix A to this notice.

19. [aws-sign2 0.7.0](#)

Author: Mikeal Rogers (mikeal.rogers@gmail.com)

WWW: <https://github.com/mikeal/aws-sign#readme>

A copy of the Apache 2.0 license is included in Appendix A to this notice.

20. [balanced-match 1.0.0](#)

Author: Julian Gruber (mail@juliangruber.com)

WWW: <https://github.com/juliangruber/balanced-match>

Copyright (c) 2013 Julian Gruber <julian@juliangruber.com>

'MIT License' license can be found in the Common Licenses section.

21. [bcrypt-pbkdf 1.0.2](#)

Author: Niels Provos (provos@physnet.uni-hamburg.de)

Ted Unangst (tedu@openbsd.org)

Joyent Inc

WWW: <https://github.com/joyent/node-bcrypt-pbkdf#readme>

The Blowfish portions are under the following license:

Blowfish block cipher for OpenBSD

Copyright 1997 Niels Provos <provos@physnet.uni-hamburg.de> All rights reserved.

Implementation advice by David Mazieres <dm@lcs.mit.edu>.

A copy of the BSD 3-Clause license is included in Appendix A to this notice.

The bcrypt_pbkdf portions are under the following license:

Copyright (c) 2013 Ted Unangst <tedu@openbsd.org>

A copy of the ISC license is included in Appendix A to this notice.

Performance improvements (Javascript-specific):

Copyright 2016, Joyent Inc

Author: Alex Wilson <alex.wilson@joyent.com>

A copy of the ISC license is included in Appendix A to this notice.

22. **block-stream 0.0.9**

Author: Isaac Z. Schlueter (i@izs.me)

WWW: <https://github.com/isaacs/block-stream#readme>

Copyright (c) Isaac Z. Schlueter and Contributors

A copy of the ISC license is included in Appendix A to this notice.

23. **bootstrap 3.3.7**

Author: Twitter, Inc.

WWW: <http://getbootstrap.com>

Copyright (c) 2011-2016 Twitter, Inc.

A copy of the MIT license is included in Appendix A to this notice.

24. **brace-expansion 1.1.11**

Author: Julian Gruber (mail@juliangruber.com)

WWW: <https://github.com/juliangruber/brace-expansion>

Copyright (c) 2013 Julian Gruber <julian@juliangruber.com>

A copy of the MIT license is included in Appendix A to this notice.

25. **camelcase 2.1.1**

Author: Sindre Sorhus (sindresorhus@gmail.com)

WWW: <https://github.com/sindresorhus/camelcase>

Copyright (c) Sindre Sorhus <sindresorhus@gmail.com> (sindresorhus.com)

A copy of the MIT license is included in Appendix A to this notice.

26. camelcase 3.0.0

Author: Sindre Sorhus (sindresorhus@gmail.com)

WWW: <https://github.com/sindresorhus/camelcase#readme>

Copyright (c) Sindre Sorhus <sindresorhus@gmail.com> (sindresorhus.com)

A copy of the MIT license is included in Appendix A to this notice.

27. camelcase-keys 2.1.0

Author: Sindre Sorhus (sindresorhus@gmail.com)

WWW: <https://github.com/sindresorhus/camelcase-keys>

Copyright (c) Sindre Sorhus <sindresorhus@gmail.com> (sindresorhus.com)

A copy of the MIT license is included in Appendix A to this notice.

28. caseless 0.12.0

Author: Mikeal Rogers (mikeal.rogers@gmail.com)

WWW: <https://github.com/mikeal/caseless#readme>

A copy of the Apache 2.0 license is included in Appendix A to this notice.

29. Castle.Core 4.3.0

Author: Information about authors can be found at <http://www.castleproject.org/about/team/>

WWW: <https://github.com/castleproject/Core/tree/v4.3.0>

Copyright 2004-2016 Castle Project - <http://www.castleproject.org/>

A copy of the Apache 2.0 license is included in Appendix A to this notice.

30. cef.redist.x64 75.1.14

Copyright (c) 2008-2014 Marshall A. Greenblatt. Portions Copyright (c) 2006-2009 Google Inc. 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 name Chromium Embedded Framework 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.

31. [cefsharp.common 75.1.143](#)

[cefsharp.wpf 75.1.143](#)

Copyright © The CefSharp 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 name Chromium Embedded Framework nor the name CefSharp 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.

32. [Cesium js 1.55.0](#)

Author: Analytical Graphics, Inc.

CesiumJS community

WWW: <http://cesiumjs.org>

Copyright 2011-2018 CesiumJS Contributors

A copy of the Apache 2.0 license is included in Appendix A to this notice.

Patents 9153063 and 9865085
Patents pending 15/829,786 and 62/701,099

Third-Party Code

=====

CesiumJS includes the following third-party code.

License notice for Sean O'Neil

Copyright (c) 2000-2005, Sean O'Neil (s_p_oneil@hotmail.com)

A copy of the BSD 3-Clause license is included in Appendix A to this notice.

License notice for Grauw Uri Utilities

Copyright 2012 Laurens Holst

A copy of the Apache 2.0 license is included in Appendix A to this notice

License notice for when.js

<https://github.com/cujojs/when>

A copy of the MIT license is included in Appendix A to this notice

License notice for zip.js

<https://github.com/gildas-lormeau/zip.js>

Copyright (c) 2013 Gildas Lormeau. All rights reserved.

A copy of the BSD 3-Clause license is included in Appendix A to this notice

License notice for Autolinker.js

<https://github.com/gregjacobs/Autolinker.js>

Copyright (c) 2015 Gregory Jacobs (<http://greg-jacobs.com>)

A copy of the MIT license is included in Appendix A to this notice

License notice for Tween.js

<https://github.com/sole/tween.js>

Copyright (c) 2010-2012 Tween.js authors.

Easing equations Copyright (c) 2001 Robert Penner <http://robertpenner.com/easing/>

A copy of the MIT license is included in Appendix A to this notice

License notice for php.js

<https://github.com/kvz/phpjs>

php.js is copyright 2013 Kevin van Zonneveld.

Portions copyright Brett Zamir (<http://brett-zamir.me>), Kevin van Zonneveld (<http://kevin.vanzonneveld.net>), Onno Marsman, Theriault, Michael White (<http://getsprink.com>), Waldo Malqui Silva, Paulo Freitas, Jack, Jonas Raoni Soares Silva (<http://www.jsfromhell.com>), Philip Peterson, Legaev Andrey, Ates Goral (<http://magnetiq.com>), Alex, Ratheous, Martijn Wieringa, Rafa? Kukawski (<http://blog.kukawski.pl>), Imeyrick (<https://sourceforge.net/projects/bcmath-js/>), Nate, Philippe Baumann, Enrique Gonzalez, Webtoolkit.info (<http://www.webtoolkit.info/>), Carlos R. L. Rodrigues (<http://www.jsfromhell.com>), Ash Searle (<http://hexmen.com/blog/>), Jani Hartikainen, travc, Ole Vrijenhoek, Erkekjetter, Michael Grier, Rafa? Kukawski (<http://kukawski.pl>), Johnny Mast (<http://www.phpvrouwen.nl>), T.Wild, d3x, <http://stackoverflow.com/questions/57803/how-to-convert-decimal-to-hex-in-javascript>, Rafa? Kukawski (<http://blog.kukawski.pl/>), stag019, pilus, WebDevHobo (<http://webdevhobo.blogspot.com/>), martins, GeekFG (<http://geekf.blogspot.com>), Andrea Giammarchi (<http://webreflection.blogspot.com>), Arpad Ray (<mailto:arpad@php.net>), gorthaur, Paul Smith, Tim de Koning (<http://www.kingsquare.nl>), Joris, Oleg Eremeev, Steve Hilder, majak, gettimeofday, KELAN, Josh Fraser (<http://onlineaspect.com/2007/06/08/auto-detect-a-time-zone-with-javascript/>), Marc Palau, Martin (<http://www.erlenwiese.de/>), Breaking Par Consulting Inc (<http://www.breakingpar.com/bkp/home.nsf/0/87256B280015193F87256CFB006C45F7>), Chris, Mirek Slugen, saulius, Alfonso Jimenez (<http://www.alfonsojimenez.com>), Diplom@t (<http://difane.com/>), felix, Mailfaker (<http://www.weedem.fr/>), Tyler Akins (<http://rumkin.com>), Caio Ariede (<http://caioariede.com>), Robin, Kankrelune (<http://www.webfactory.info/>), Karol Kowalski, Imgen Tata (<http://www.myipdf.com/>), mdsjack (<http://www.mdsjack.bo.it>), Dreamer, Felix Geisendoerfer (<http://www.debuggable.com/felix>), Lars Fischer, AJ, David, Aman Gupta, Michael White, Public Domain (<http://www.json.org/json2.js>), Steven Levithan (<http://g.stevenlevithan.com>), Sakimori, Pellentesque Malesuada, Thunder.m, Dj (http://phpjs.org/functions/htmlentities:425#comment_134018), Steve Clay, David James, Francois, class_exists, nobbler, T. Wild, Itsacon (<http://www.itsacon.net/>), date, Ole Vrijenhoek (<http://www.nervous.nl/>), Fox, Raphael (Ao RUDLER), Marco, noname, Mateusz "loonquawl" Zalega, Frank Forte, Arno, ger, mktime, john (<http://www.jd-tech.net>), Nick Kolosov (<http://sammy.ru>), marc andreu, Scott Cariss, Douglas Crockford (<http://javascript.crockford.com>), madipta, Slawomir Kaniecki, ReverseSyntax, Nathan, Alex Wilson, kenneth, Bayron Guevara, Adam Wallner (<http://web2.bitbaro.hu/>), paulo kuong, jmweb, Lincoln Ramsay, djmix, Pyerre, Jon Hohle, Thiago Mata (<http://thiagomata.blog.com>), Imeyrick (<https://sourceforge.net/projects/bcmath-js/this.>), Linuxworld, duncan, Gilbert, Sanjoy Roy, Shingo, sankai, Oskar Larsson H?gfeldt (<http://oskar-lh.name/>), Denny Wardhana, 0m3r, Everlasto, Subhasis Deb, josh, jd, Pier Paolo Ramon ([http://www.mastersoup.c /](http://www.mastersoup.c/)), P, merabi, Soren Hansen, Eugene Bulkin (<http://doubleaw.com/>), Der Simon (<http://innerdom.sourceforge.net/>), echo is bad, Ozh, XoraX (<http://www.xorax.info>), EdorFaus, JB, J A R, Marc Jansen, Francesco, LH, Stoyan Kyosev (<http://www.svest.org/>), nord_ua, omid (http://phpjs.org/functions/380:380#comment_137122), Brad Touesnard, MeEtc (<http://yass.meetweb.com>), Peter-Paul Koch (<http://www.quirksmode.org/js/beat.html>), Olivier Louvignes (<http://mg-crea.com/>), T0bsn, Tim Wiel, Bryan Elliott, Jalal Berrami, Martin, JT, David Randall, Thomas Beaucourt (<http://www.webapp.fr>), taith, vlado houba, Pierre-Luc Paour, Kristof Coomans (SCK-CEN Belgian Nuclear Research Centre), Martin Pool, Kirk Strobeck, Rick Waldron, Brant Messenger (<http://www.brantmessenger.com/>), Devan Penner-Woelk, Saulo Vallory, Wagner B. Soares, Artur Tchernychev, Valentina De Rosa, Jason Wong (<http://carrot.org/>), Christoph, Daniel Esteban, strftime, Mick@el, rezna, Simon Willison (<http://simonwillison.net>), Anton Ongson, Gabriel Paderni, M rco van Oort, penutbutterjelly, Philipp Lenssen, Bjorn Roesbeke (<http://www.bjornroesbeke.be/>), Bug?, Eric Nagel, Tomasz Wesolowski, Evertjan Garretsen, Bobby Drake, Blues (<http://tech.bluesmoon.info/>), Luke Godfrey, Pul, uestla, Alan C, Ulrich, Rafal Kukawski, Yves Sucaet, sowberry,

Norman "zEh" Fuchs, hitwork, Zahlii, johnrembo, Nick Callen, Steven Levithan (stevenlevithan.com), ejsanders, Scott Baker, Brian Tafoya (<http://www.premasolutions.com/>), Philippe Jausions (<http://pear.php.net/user/jausions>), Aidan Lister (<http://aidanlister.com/>), Rob, e-mike, HKM, ChaosNo1, metjay, strcasecmp, strcmp, Taras Bogach, jpfle, Alexander Ermolaev (<http://snippets.dzone.com/user/AlexanderErmolaev>), DxGx, kilops, Orlando, dp1988, Le Torbi, James (<http://www.james-bell.co.uk/>), Pedro Tainha (<http://www.pedrotainha.com>), James, Arnout Kazemier (<http://www.3rd-Eden.com>), Chris McMacken, gabriel paderni, Yannoo, FGFEmperor, baris ozdil, Tod Gentille, Greg Frazier, jakes, 3D-GRAF, Allan Jensen (<http://www.winternet.no>), Hoard Yeend, Benjamin Lupton, davook, daniel airton wermann (<http://wermann.com.br>), Atli T?r, Maximusya, Ryan W Tenney (<http://ryan.10e.us>), Alexander M Beedie, fearphage (<http://http/my.opera.com/fearphage/>), Nathan Sepulveda, Victor, Matteo, Billy, stensi, Cord, Manish, T.J. Leahy, Riddler (<http://www.frontierwebdev.com/>), Rafa? Kukawski, FremyCompany, Matt Bradley, Tim de Koning, Luis Salazar (<http://www.freaky-media.com/>), Diogo Resende, Rival, Andrej Pavlovic, Garagoth, Le Torbi (<http://www.letorbi.de/>), Dino, Josep Sanz (<http://www.ws3.es/>), rem, Russell Walker (<http://www.nbill.co.uk/>), Jamie Beck (<http://www.terabit.ca/>), setcookie, Michael, YUI Library: <http://developer.yahoo.com/yui/docs/YAHOO.util.DateLocale.html>, Blues at <http://hacks.bluesmoon.info/strftime/strftime.js>, Ben (<http://benblume.co.uk/>), DtTvB (<http://dt.in.th/2008-09-16.string-length-in-bytes.html>), Andreas, William, meo, incidence, Cagri Ekin, Amirouche, Amir Habibi (<http://www.residence-mixte.com/>), Luke Smith (<http://lucassmith.na>), Kheang Hok Chin (<http://www.distantia.ca/>), Jay Klehr, Lorenzo Pisani, Tony, Yen-Wei Liu, Greenseed, mk.keck, Leslie Hoare, dude, boeeyOH, Ben Bryan

A copy of the MIT license is included in Appendix A to this notice

License notice for fontmetrics.js

<https://github.com/Pomax/fontmetrics.js>

Copyright (C) 2011 by Mike "Pomax" Kamermans

A copy of the MIT license is included in Appendix A to this notice

License notice for Almond

<https://github.com/jrburke/almond>

Copyright (c) 2010-2011, The Dojo Foundation

A copy of the MIT license is included in Appendix A to this notice

License notice for RequireJS

<https://github.com/jrburke/requirejs>

Copyright (c) 2010-2015, The Dojo Foundation

A copy of the MIT license is included in Appendix A to this notice

License notice for Knockout

<http://knockoutjs.com/>

(c) The Knockout.js team - <http://knockoutjs.com/>

A copy of the MIT license is included in Appendix A to this notice

License notice for Knockout ES5 plugin

<https://github.com/SteveSanderson/knockout-es5>

Copyright (c) Steve Sanderson

A copy of the MIT license is included in Appendix A to this notice

License notice for Topojson

<https://github.com/mbostock/topojson>

Copyright (c) 2012, Michael Bostock. All rights reserved.

A copy of the BSD 3-Clause is included in Appendix A to this notice

License notice for Mersenne-twister.js

<https://gist.github.com/banksean/300494>

Copyright (C) 1997 - 2002, Makoto Matsumoto and Takuji Nishimura. All rights reserved.

A copy of the BSD 3-Clause is included in Appendix A to this notice

License notice for NVIDIA Gameworks Graphics Samples

<https://github.com/NVIDIAGameWorks/GraphicsSamples>

Copyright 2016 NVIDIA Corporation

> BY DOWNLOADING THE SOFTWARE AND OTHER AVAILABLE MATERIALS, YOU ("DEVELOPER")
AGREE TO BE BOUND BY THE FOLLOWING TERMS AND CONDITIONS

> The materials available for download to Developers may include software in both sample source ("Source Code") and object code ("Object Code") versions, documentation ("Documentation"), certain art work ("Art Assets") and other materials (collectively, these materials referred to herein as "Materials"). Except as expressly indicated herein, all terms and conditions of this Agreement apply to all of the Materials.

> Except as expressly set forth herein, NVIDIA owns all of the Materials and makes them available to Developer only under the terms and conditions set forth in this Agreement.

> License: Subject to the terms of this Agreement, NVIDIA hereby grants to Developer a royalty-free, non-exclusive license to possess and to use the Materials. The following terms apply to the specified type of Material:

- > Source Code: Developer shall have the right to modify and create derivative works with the Source Code. Developer shall own any derivative works ("Derivatives") it creates to the Source Code, provided that Developer uses the Materials in accordance with the terms of this Agreement. Developer may distribute the Derivatives, provided that all NVIDIA copyright notices and trademarks are used properly and the Derivatives include the following statement: "This software contains source code provided by NVIDIA Corporation."
- > Object Code: Developer agrees not to disassemble, decompile or reverse engineer the Object Code versions of any of the Materials. Developer acknowledges that certain of the Materials provided in Object Code version may contain third party components that may be subject to restrictions, and expressly agrees not to attempt to modify or distribute such Materials without first receiving consent from NVIDIA.
- > Art Assets: Developer shall have the right to modify and create Derivatives of the Art Assets, but may not distribute any of the Art Assets or Derivatives created therefrom without NVIDIA's prior written consent.
- > Government End Users: If you are acquiring the Software on behalf of any unit or agency of the United States Government, the following provisions apply. The Government agrees the Software and documentation were developed at private expense and are provided with "RESTRICTED RIGHTS". Use, duplication, or disclosure by the Government is subject to restrictions as set forth in DFARS 227.7202-1(a) and 227.7202-3(a) (1995), DFARS 252.227-7013(c)(1)(ii) (Oct 1988), FAR 12.212(a)(1995), FAR 52.227-19, (June 1987) or FAR 52.227-14(ALT III) (June 1987), as amended from time to time. In the event that this License, or any part thereof, is deemed inconsistent with the minimum rights identified in the Restricted Rights provisions, the minimum rights shall prevail.
- > No Other License. No rights or licenses are granted by NVIDIA under this License, expressly or by implication, with respect to any proprietary information or patent, copyright, trade secret or other intellectual property right owned or controlled by NVIDIA, except as expressly provided in this License.
- > Term: This License is effective until terminated. NVIDIA may terminate this Agreement (and with it, all of Developer's right to the Materials) immediately upon written notice (which may include email) to Developer, with or without cause.
- > Support: NVIDIA has no obligation to support or to continue providing or updating any of the Materials.
- > No Warranty: THE SOFTWARE AND ANY OTHER MATERIALS PROVIDED BY NVIDIA TO DEVELOPER HEREUNDER ARE PROVIDED "AS IS." NVIDIA DISCLAIMS ALL WARRANTIES, EXPRESS, IMPLIED OR STATUTORY, INCLUDING, WITHOUT LIMITATION, THE IMPLIED WARRANTIES OF TITLE, MERCHANTABILITY, FITNESS FOR A PARTICULAR PURPOSE AND NONINFRINGEMENT.
- > LIMITATION OF LIABILITY: NVIDIA SHALL NOT BE LIABLE TO DEVELOPER, DEVELOPER'S CUSTOMERS, OR ANY OTHER PERSON OR ENTITY CLAIMING THROUGH OR UNDER DEVELOPER FOR ANY LOSS OF PROFITS, INCOME, SAVINGS, OR ANY OTHER CONSEQUENTIAL, INCIDENTAL, SPECIAL, PUNITIVE, DIRECT OR INDIRECT DAMAGES (WHETHER IN AN ACTION IN CONTRACT, TORT OR BASED ON A WARRANTY), EVEN IF NVIDIA HAS BEEN ADVISED OF THE POSSIBILITY OF SUCH DAMAGES. THESE LIMITATIONS SHALL APPLY NOTWITHSTANDING ANY FAILURE OF THE ESSENTIAL PURPOSE OF ANY LIMITED REMEDY. IN NO EVENT SHALL NVIDIA'S AGGREGATE LIABILITY TO DEVELOPER OR ANY OTHER PERSON OR ENTITY CLAIMING THROUGH OR UNDER DEVELOPER EXCEED THE AMOUNT OF MONEY ACTUALLY PAID BY DEVELOPER TO NVIDIA FOR THE SOFTWARE OR ANY OTHER MATERIALS.

License notice for NoSleep.js

<https://github.com/richtr/NoSleep.js>

NoSleep.js v0.5.0 - git.io/vfn01

Rich Tibbett

A copy of the MIT license is included in Appendix A to this notice

License notice for jsep

<https://github.com/sonney/jsep>

Copyright (c) 2013 Stephen Oney, <http://jsep.from.so/>

A copy of the MIT license is included in Appendix A to this notice

License notice for earcut

<https://github.com/mapbox/earcut>

Copyright (c) 2016, Mapbox

A copy of the ISC license is included in Appendix A to this notice

License notice for kdbush

<https://github.com/mourner/kdbush>

Copyright (c) 2016, Vladimir Agafonkin

A copy of the ISC license is included in Appendix A to this notice

License notice for rbush

<https://github.com/mourner/rbush>

Copyright (c) 2016 Vladimir Agafonkin

A copy of the MIT license is included in Appendix A to this notice

License notice for quickselect

<https://github.com/mourner/quickselect>

Copyright (c) 2018, Vladimir Agafonkin

A copy of the ISC license is included in Appendix A to this notice

License notice for Crunch

<https://github.com/BinomialLLC/crunch>
crunch/crnlib uses the ZLIB license:
<http://opensource.org/licenses/Zlib>

Copyright (c) 2010-2016 Richard Geldreich, Jr. and Binomial LLC

This software is provided 'as-is', without any express or implied warranty. In no event will the authors be held liable for any damages arising from the use of this software.

Permission is granted to anyone to use this software for any purpose, including commercial applications, and to alter it and redistribute it freely, subject to the following restrictions:

1. The origin of this software must not be misrepresented; you must not claim that you wrote the original software. If you use this software in a product, an acknowledgment in the product documentation would be appreciated but is not required.
2. Altered source versions must be plainly marked as such, and must not be misrepresented as being the original software.
3. This notice may not be removed or altered from any source distribution.

License notice for Crunch_lib.cpp

https://github.com/Apress/html5-game-dev-nsights/blob/master/jones_ch21/crunch_webgl/crunch_js/crunch_lib.cpp

Copyright (c) 2013, Evan Parker, Brandon Jones. All rights reserved.

A copy of the BSD 2-Clause is included in Appendix A to this notice

License notice for Texture-tester

<https://github.com/toji/texture-tester>

Copyright (c) 2014, Brandon Jones. All rights reserved.

A copy of the BSD 2-Clause is included in Appendix A to this notice

License notice for Pako

<https://github.com/nodeca/pako>

Copyright (C) 2014-2017 by Vitaly Puzrin and Andrei Tuputcyn

A copy of the MIT license is included in Appendix A to this notice

License notice for Protobuf

<https://github.com/dcodeIO/ProtoBuf.js>

Copyright (c) 2016, Daniel Wirtz All rights reserved.

>

A copy of the BSD 3-Clause license is included in Appendix A to this notice

License notice for gltf-WebGL-PBR

<https://github.com/KhronosGroup/glTF-WebGL-PBR>

Copyright (c) 2016-2017 Mohamad Moneimne and Contributors

>

A copy of the MIT license is included in Appendix A to this notice

License notice for ShaderFastLibs

<https://github.com/michaldrobot/ShaderFastLibs>

Copyright (c) <2014> <Michal Drobot>

A copy of the MIT license is included in Appendix A to this notice

License notice for Draco

<https://github.com/google/draco>

A copy of the Apache 2.0 license is included in Appendix A to this notice

License notice for DOMPurify

<https://github.com/cure53/DOMPurify>

Copyright 2015 Mario Heiderich

DOMPurify is free software; you can redistribute it and/or modify it under the terms of either:

- a) the Apache License Version 2.0 (a copy of the Apache 2.0 license is included in Appendix A to this notice), or
- b) the Mozilla Public License Version 2.0

Mozilla Public License 2.0 (MPL-2.0).

1. Definitions

1.1. “Contributor”

means each individual or legal entity that creates, contributes to the creation of, or owns Covered Software.

1.2. “Contributor Version”

means the combination of the Contributions of others (if any) used by a Contributor and that particular Contributor’s Contribution.

1.3. “Contribution”

means Covered Software of a particular Contributor.

1.4. “Covered Software”

means Source Code Form to which the initial Contributor has attached the notice in Exhibit A, the Executable Form of such Source Code Form, and Modifications of such Source Code Form, in each case including portions thereof.

1.5. “Incompatible With Secondary Licenses”

means

that the initial Contributor has attached the notice described in Exhibit B to the Covered Software; or that the Covered Software was made available under the terms of version 1.1 or earlier of the License, but not also under the terms of a Secondary License.

1.6. “Executable Form”

means any form of the work other than Source Code Form.

1.7. “Larger Work”

means a work that combines Covered Software with other material, in a separate file or files, that is not Covered Software.

1.8. “License”

means this document.

1.9. “Licensable”

means having the right to grant, to the maximum extent possible, whether at the time of the initial grant or subsequently, any and all of the rights conveyed by this License.

1.10. “Modifications”

means any of the following:

any file in Source Code Form that results from an addition to, deletion from, or modification of the contents of Covered Software; or any new file in Source Code Form that contains any Covered Software.

1.11. “Patent Claims” of a Contributor

means any patent claim(s), including without limitation, method, process, and apparatus claims, in any patent Licensable by such Contributor that would be infringed, but for the grant of the License, by the making, using, selling, offering for sale, having made, import, or transfer of either its Contributions or its Contributor Version.

1.12. “Secondary License”

means either the GNU General Public License, Version 2.0, the GNU Lesser General Public License, Version 2.1, the GNU Affero General Public License, Version 3.0, or any later versions of those licenses.

1.13. “Source Code Form”

means the form of the work preferred for making modifications.

1.14. “You” (or “Your”)

means an individual or a legal entity exercising rights under this License. For legal entities, “You” includes any entity that controls, is controlled by, or is under common control with You. For purposes of this definition, “control” means (a) the power, direct or indirect, to cause the direction or management of such entity, whether by contract or otherwise, or (b) ownership of more than fifty percent (50%) of the outstanding shares or beneficial ownership of such entity.

2. License Grants and Conditions

2.1. Grants

Each Contributor hereby grants You a world-wide, royalty-free, non-exclusive license:

under intellectual property rights (other than patent or trademark) Licensable by such Contributor to use, reproduce, make available, modify, display, perform, distribute, and otherwise exploit its Contributions, either on an unmodified basis, with Modifications, or as part of a Larger Work; and under Patent Claims of such Contributor to make, use, sell, offer for sale, have made, import, and otherwise transfer either its Contributions or its Contributor Version.

2.2. Effective Date

The licenses granted in Section 2.1 with respect to any Contribution become effective for each Contribution on the date the Contributor first distributes such Contribution.

2.3. Limitations on Grant Scope

The licenses granted in this Section 2 are the only rights granted under this License. No additional rights or licenses will be implied from the distribution or licensing of Covered Software under this License. Notwithstanding Section 2.1(b) above, no patent license is granted by a Contributor:

for any code that a Contributor has removed from Covered Software; or for infringements caused by: (i) Your and any other third party's modifications of Covered Software, or (ii) the combination of its Contributions with other software (except as part of its Contributor Version); or under Patent Claims infringed by Covered Software in the absence of its Contributions.

This License does not grant any rights in the trademarks, service marks, or logos of any Contributor (except as may be necessary to comply with the notice requirements in Section 3.4).

2.4. Subsequent Licenses

No Contributor makes additional grants as a result of Your choice to distribute the Covered Software under a subsequent version of this License (see Section 10.2) or under the terms of a Secondary License (if permitted under the terms of Section 3.3).

2.5. Representation

Each Contributor represents that the Contributor believes its Contributions are its original creation(s) or it has sufficient rights to grant the rights to its Contributions conveyed by this License.

2.6. Fair Use

This License is not intended to limit any rights You have under applicable copyright doctrines of fair use, fair dealing, or other equivalents.

2.7. Conditions

Sections 3.1, 3.2, 3.3, and 3.4 are conditions of the licenses granted in Section 2.1.

3. Responsibilities

3.1. Distribution of Source Form

All distribution of Covered Software in Source Code Form, including any Modifications that You create or to which You contribute, must be under the terms of this License. You must inform recipients that the Source Code Form of the Covered Software is governed by the terms of this License, and how they can obtain a copy of this License. You may not attempt to alter or restrict the recipients' rights in the Source Code Form.

3.2. Distribution of Executable Form

If You distribute Covered Software in Executable Form then:

such Covered Software must also be made available in Source Code Form, as described in Section 3.1, and You must inform recipients of the Executable Form how they can obtain a copy of such Source Code Form by reasonable means in a timely manner, at a charge no more than the cost of distribution to the recipient; and You may distribute such Executable Form under the terms of this License, or sublicense it under different terms, provided that the license for the Executable Form does not attempt to limit or alter the recipients' rights in the Source Code Form under this License.

3.3. Distribution of a Larger Work

You may create and distribute a Larger Work under terms of Your choice, provided that You also comply with the requirements of this License for the Covered Software. If the Larger Work is a combination of Covered Software with a work governed by one or more Secondary Licenses, and the Covered Software is not Incompatible With Secondary Licenses, this License permits You to additionally distribute such Covered Software under the terms of such Secondary License(s), so that the recipient of the Larger Work may, at their option, further distribute the Covered Software under the terms of either this License or such Secondary License(s).

3.4. Notices

You may not remove or alter the substance of any license notices (including copyright notices, patent notices, disclaimers of warranty, or limitations of liability) contained within the Source Code Form of the Covered Software, except that You may alter any license notices to the extent required to remedy known factual inaccuracies.

3.5. Application of Additional Terms

You may choose to offer, and to charge a fee for, warranty, support, indemnity or liability obligations to one or more recipients of Covered Software. However, You may do so only on Your own behalf, and not on behalf of any Contributor. You must make it absolutely clear that any such warranty, support, indemnity, or liability obligation is offered by You alone, and You hereby agree to indemnify every Contributor for any liability incurred by such

Contributor as a result of warranty, support, indemnity or liability terms You offer. You may include additional disclaimers of warranty and limitations of liability specific to any jurisdiction.

4. Inability to Comply Due to Statute or Regulation

If it is impossible for You to comply with any of the terms of this License with respect to some or all of the Covered Software due to statute, judicial order, or regulation then You must: (a) comply with the terms of this License to the maximum extent possible; and (b) describe the limitations and the code they affect. Such description must be placed in a text file included with all distributions of the Covered Software under this License. Except to the extent prohibited by statute or regulation, such description must be sufficiently detailed for a recipient of ordinary skill to be able to understand it.

5. Termination

5.1. The rights granted under this License will terminate automatically if You fail to comply with any of its terms. However, if You become compliant, then the rights granted under this License from a particular Contributor are reinstated (a) provisionally, unless and until such Contributor explicitly and finally terminates Your grants, and (b) on an ongoing basis, if such Contributor fails to notify You of the non-compliance by some reasonable means prior to 60 days after You have come back into compliance. Moreover, Your grants from a particular Contributor are reinstated on an ongoing basis if such Contributor notifies You of the non-compliance by some reasonable means, this is the first time You have received notice of non-compliance with this License from such Contributor, and You become compliant prior to 30 days after Your receipt of the notice.

5.2. If You initiate litigation against any entity by asserting a patent infringement claim (excluding declaratory judgment actions, counter-claims, and cross-claims) alleging that a Contributor Version directly or indirectly infringes any patent, then the rights granted to You by any and all Contributors for the Covered Software under Section 2.1 of this License shall terminate.

5.3. In the event of termination under Sections 5.1 or 5.2 above, all end user license agreements (excluding distributors and resellers) which have been validly granted by You or Your distributors under this License prior to termination shall survive termination.

6. Disclaimer of Warranty

Covered Software is provided under this License on an “as is” basis, without warranty of any kind, either expressed, implied, or statutory, including, without limitation, warranties that the Covered Software is free of defects, merchantable, fit for a particular purpose or non-infringing. The entire risk as to the quality and performance of the Covered Software is with You. Should any Covered Software prove defective in any respect, You (not any Contributor) assume the cost of any necessary servicing, repair, or correction. This disclaimer of warranty constitutes an essential part of this License. No use of any Covered Software is authorized under this License except under this disclaimer.

7. Limitation of Liability

Under no circumstances and under no legal theory, whether tort (including negligence), contract, or otherwise, shall any Contributor, or anyone who distributes Covered Software as permitted above, be liable to You for any direct, indirect, special, incidental, or consequential damages of any character including, without limitation, damages for lost profits, loss of goodwill, work stoppage, computer failure or malfunction, or any and all other commercial damages or losses, even if such party shall have been informed of the possibility of such damages. This limitation of liability shall not apply to liability for death or personal injury resulting from such party’s negligence to the extent applicable law prohibits such limitation. Some jurisdictions do not allow the exclusion or limitation of incidental or consequential damages, so this exclusion and limitation may not apply to You.

8. Litigation

Any litigation relating to this License may be brought only in the courts of a jurisdiction where the defendant maintains its principal place of business and such litigation shall be governed by laws of that jurisdiction, without reference to its conflict-of-law provisions. Nothing in this Section shall prevent a party’s ability to bring cross-claims or counter-claims.

9. Miscellaneous

This License represents the complete agreement concerning the subject matter hereof. If any provision of this License is held to be unenforceable, such provision shall be reformed only to the extent necessary to make it enforceable. Any law or regulation which provides that the language of a contract shall be construed against the drafter shall not be used to construe this License against a Contributor.

10. Versions of the License

10.1. New Versions

Mozilla Foundation is the license steward. Except as provided in Section 10.3, no one other than the license steward has the right to modify or publish new versions of this License. Each version will be given a distinguishing version number.

10.2. Effect of New Versions

You may distribute the Covered Software under the terms of the version of the License under which You originally received the Covered Software, or under the terms of any subsequent version published by the license steward.

10.3. Modified Versions

If you create software not governed by this License, and you want to create a new license for such software, you may create and use a modified version of this License if you rename the license and remove any references to the name of the license steward (except to note that such modified license differs from this License).

10.4. Distributing Source Code Form that is Incompatible With Secondary Licenses

If You choose to distribute Source Code Form that is Incompatible With Secondary Licenses under the terms of this version of the License, the notice described in Exhibit B of this License must be attached.

Exhibit A - Source Code Form License Notice

This Source Code Form is subject to the terms of the Mozilla Public License, v. 2.0. If a copy of the MPL was not distributed with this file, You can obtain one at <https://mozilla.org/MPL/2.0/>.

If it is not possible or desirable to put the notice in a particular file, then You may include the notice in a location (such as a LICENSE file in a relevant directory) where a recipient would be likely to look for such a notice.

You may add additional accurate notices of copyright ownership.

Exhibit B - "Incompatible With Secondary Licenses" Notice

This Source Code Form is "Incompatible With Secondary Licenses", as defined by the Mozilla Public License, v. 2.0.

Tests

=====

The CesiumJS tests use the following third-party libraries and data.

License notice for Jasmine

<http://jasmine.github.io/>

Copyright (c) 2008-2014 Pivotal Labs

A copy of the MIT license is included in Appendix A to this notice.

CesiumJS Documentation

=====

The CesiumJS documentation files include the following third-party content.

License notice for Source Sans Pro (font)

Source® Sans Pro, Adobe's first open source typeface family, was designed by Paul D. Hunt. It is a sans serif typeface intended to work well in user interfaces.

[SIL Open Font License, 1.1](http://scripts.sil.org/cms/scripts/page.php?site_id=nrsi&id=OFL)

([[text](http://scripts.sil.org/cms/scripts/render_download.php?format=file&media_id=OFL_plaintext&filename=OFL.txt))

Example Applications

=====

The CesiumJS example applications include the following third-party libraries and data.

License notice for Dojo Toolkit

<http://dojotoolkit.org/>

Copyright (c) 2005-2015, The Dojo Foundation. All rights reserved.

A copy of the BSD 3-Clause license is included in Appendix A of this notice

License notice for CodeMirror

<http://codemirror.net/>

Copyright (C) 2014 by Marijn Haverbeke <marijnh@gmail.com> and others

A copy of the MIT license is included in Appendix A of this notice

License notice for Clipboard.js

<https://clipboardjs.com/>

Copyright © 2018 Zeno Rocha <hi@zenorocha.com>

A copy of the MIT license is included in Appendix A of this notice

License notice for JSHint

<http://www.jshint.com/>

JSHint, by JSHint Community.

Licensed under the same slightly modified MIT license that JSLint is. It stops evil-doers everywhere.

JSHint is a derivative work of JSLint:

Copyright (c) 2002 Douglas Crockford (www.JSLint.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 shall be used for Good, not Evil.

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. JSHint was forked from the 2010-12-16 edition of JSLint.

bitmap-sdf

© 2017 Dima Yv.

A copy of the MIT license is included in Appendix A of this notice

Public domain data from Natural Earth

Free vector and raster map data @ naturalearthdata.com

<http://www.naturalearthdata.com/about/terms-of-use/>

All users of Natural Earth are highly encouraged to read about data sources and manipulation in the Data Creation section.

The authors provide Natural Earth as a public service and are not responsible for any problems relating to accuracy, content, design, and how it is used. If you find an error or omission, please report it for future updates.

The authors used data from The Washington Post, here is their release: Natural Earth is hereby granted a non-exclusive license to use the data being provided by The Washington Post for the sole purpose of creating a world base map. The Washington Post makes no claims as to the completeness, accuracy or content of the data, and makes no representation of any kind, including, but not limited to, any warranty as to the accuracy or fitness of the data for a particular use (nor shall the act of distribution constitute any such warranty). No responsibility is assumed by The Washington Post for any claims arising out of Natural Earth's use of the data.

The author's used river and lake data (for Europe only) from the European Commission, Joint Research Centre, Institute for Environment and Sustainability, here is their release: Natural Earth is hereby granted a non-exclusive license to use the data being provided by European Commission, Joint Research Centre, Institute for Environment and Sustainability (JRC IES) for the sole purpose of creating a world base map. The EC JRC IES makes no claims as to the completeness, accuracy or content of the data, and makes no representation of any kind, including, but not limited to, any warranty as to the accuracy or fitness of the data for a particular use (nor shall the act of distribution constitute any such warranty). No responsibility is assumed by EC JRC IES for any claims arising out of Natural Earth's use of the data.

The author's used road transportation data (for North America only) from XNR Productions, here is their release: Natural Earth is hereby granted a non-exclusive license to use the data being provided by XNR Productions for the sole purpose of creating a world base map. XNR makes no claims as to the completeness, accuracy or content of the data, and makes no representation of any kind, including, but not limited to, any warranty as to the accuracy or fitness of the data for a particular use (nor shall the act of distribution constitute any such warranty). No responsibility is assumed by XNR for any claims arising out of Natural Earth's use of the data.

The author's used time zone data from International Mapping Associates, Inc., here is their release: Natural Earth is hereby granted a non-exclusive license to use the data being provided by International Mapping Associates, Inc. for the sole purpose of creating a world base map. International Mapping Associates, Inc. makes no claims as to the completeness, accuracy or content of the data, and makes no representation of any kind, including, but not limited to, any warranty as to the accuracy or fitness of the data for a particular use (nor shall the act of distribution constitute any such warranty). No responsibility is assumed by International Mapping Associates, Inc. for any claims arising out of Natural Earth's use of the data.

The authors' used name data for more than 20 languages from Wikidata which is under a CC0 (public domain) license.

Happy mapping!

License notice for Data from JHT's Planetary Pixel Emporium

Copyright (c) by James Hastings-Trew

<http://planetpixelemporium.com/planets.html>

I work in the field of advertising. One day I needed an image map of our planet for use in a rendering for a printed piece, and was surprised to discover that such a thing was pretty hard to find. So I created my own using scanned data, lots of painting, and reference to USGS digital elevation map data. Once I had completed both a bump and color map of the Earth, I turned to the other planets in our solar system, scavenging data where I could and piecing together the images I am sharing here.

Above, you'll find links to pages where you can obtain high-quality texture maps of the planets for the purpose of 3D rendering. You'll find notes on the creation or source of each map, and a small sample rendering of the map to show you how it will look in your artwork. Interspersed amongst the pages you will find the occasional rendering tip.

These maps are simple cylindrical projections, designed to be applied to spheres using spherical projection. If you use any other projection method, the map will appear distorted on the final product.

A note about prices:

Some of the larger maps and the 3D objects require PayPal payment. This has been done to help defray the costs associated with hosting this site. I've tried to keep the prices reasonable and fair.

A note about nomenclature:

Some of the maps here are available in more than one size. I have chosen to label these 1K, 2K, 4K, etc. The number refers to the horizontal resolution of the image. A 4K image is 4000 pixels wide. The vertical resolution is always half of the horizontal. On each page is a thumbnail image of the map used on a sphere in Cinema4D. If you click on the thumbnail image, a larger, more detailed version will open in a new window.

Copyright Information

All textures and images on this site are Copyright (c) by James Hastings-Trew. The maps are free to download and use as source material or resource in artwork or rendering (CGI or real time) in any kind of project - personal, commercial, broadcast, or display. You are not free to redistribute the maps "as is" in any medium - online, CD, for sale, etc. where the primary intent is to distribute the maps themselves and not the result of using the maps, without my permission. That is to say, the results of using the maps are free to use and distribute, but the maps as direct source material for those results may not be, unless you have my permission. The maps may not be included as they exist on this site in any kind of commercial, shareware, or freeware product without my permission. The maps may not be repackaged with 3D models and sold in any form. The maps may not be given away in whole or in part on another website or in a freeware or commercial product without my permission.

Here are some examples of usage that I hope will clear the situation up:

Example 1 - The Simulator or Game

You are a software author who has created a Solar System simulator and you want to use my planet texture maps in your program. Since the primary intent of your use is to create real time renderings utilizing the planet texture maps as a resource in your software product, this is an acceptable use under my copyright terms.

Example 2 - The Fantasy Poster

You are an artist who is producing a poster for sale on the internet and you wish to use one of my planet texture maps as source material in your artwork. Since the primary intent of your use is to create artwork using the planet texture maps as a resource in your artwork, this is an acceptable use under my copyright terms.

Example 3 - The Japanese Space Museum

You are the curator of a Japanese Space Museum and you wish to use my planet texture maps in an animated display showing the motions of the solar system. Since the primary intent of your use is to create artwork (the animation) using the planet texture maps as resources, this is an acceptable use under my copyright terms.

Example 4 - The 3D Rendering Program

You are a software author and you wish to include the planet texture maps from my site with your product as part of the content set you are offering with your program (commercial, shareware, or freeware). Since you want to distribute the maps, and not the results of using the maps, you will need my permission to do so.

Example 5 - The Quick Buck Artist

You are looking to make some money off of my work, and you decide to package up some sphere models made in 3D Studio Max with my maps wrapped around them, and sell them on a website for a significant amount of money. Since you want to distribute the maps, and not the results of using the maps, you will need my permission to do so. Except I will not give you permission to directly sell what I am giving away for free here — that would be unethical and a blot on your karma. Shame on you. Go tell your mom what you have done. She'll know what to do with you. I hope this clears up some questions about copyright usage.

License notice for Sky Box Images from NASA

<http://maps.jpl.nasa.gov/stars.html>

<http://svs.gsfc.nasa.gov/vis/a000000/a003500/a003572/>

NASA Regulations for Advertising Requests

Strict legal regulations govern NASA policy regarding advertising requests. Companies interested in producing NASA-related advertisements must notify the Multimedia Division of NASA's Office of Communications in writing by sending e-mail to Bert Ulrich. Requests should describe the intended use of NASA imagery in the ads. If possible, layouts or storyboards of the advertisement should be included. When all legal requirements have been met, NASA will send the advertiser an approval letter or email. A general overview of NASA policy follows: As a government agency, NASA will not promote or endorse or appear to promote or endorse a commercial product, service or activity. Therefore, there are strict limits placed on the use of any of the NASA identities and emblem imagery in advertisements.

NASA does not permit use of the NASA Insignia and other NASA indicia in advertisements. Any use of the NASA identity on spacesuits or spacecraft is generally not permitted unless authorized by the Office of Communications at NASA Headquarters in Washington.

Any references to NASA in an advertisement must be factually accurate.

Many NASA images and selections of film and video footage produced and publicly released by NASA may be used for advertising purposes. However, there are rules regarding the appearance of NASA astronauts' or NASA employees' names, likenesses or other personality traits in advertising materials. Astronauts or employees who are currently employed by NASA cannot have their names, likenesses or other personality traits displayed in any advertisements or marketing material. Former NASA Astronauts or employees who no longer work for the U.S.

Government can grant permission for the use of their names, likenesses or other personality traits in their discretion, but their former affiliation with NASA may not be used to promote any product, service or activity. For deceased astronauts or employees, their estates may retain rights in the deceased person's name, likeness or other personality traits, so permission may still be needed. NASA may not grant the right to use names, likenesses or other personality traits on behalf of these individuals.

There are many images (moving and still) which have been made publicly available by NASA featuring astronauts in space suits where the astronaut's face may be shielded or not easily recognizable, but where some other aspect of the photo may indicate the astronaut's identity – like a name tag or simply the historical context of the photo. In such a case, the restrictions set forth above may still be applicable, so permission may still be necessary. Commercials or other advertisements or marketing activities are not permitted to be shot at NASA Centers. The NASA Insignia cannot appear on websites that contain open advertising unless approved by the Associate Administrator for Communications or designee.

NASA has a long standing policy of not collaborating with promotions related to alcohol or tobacco products. When all legal and policy regulations have been met and approval is obtained, the advertiser may contact the Photo Department at 202-358-1900 for information to access imagery.
Advertising and Marketing on the International Space Station

Commercials and other marketing filming/activity on the International Space Station authorized by the NASA Interim Directive (NID) on Use of International Space Station (ISS) for Commercial and Marketing Activities are additionally subject to the following guidelines:

NASA support in filming/capturing commercials or other marketing videos, which will occur behind the scenes, shall not be used to indicate or imply that NASA approves or endorses the requesting entity or its products, services, or enterprises. No commercials or promotional materials filmed on ISS may imply such approval or endorsement, nor may NASA stock images or footage be used in a way that does so. The commercials or other marketing filming should not reference NASA support needed to create the materials, including any mention that NASA astronauts were involved in the filming.

The commercials or marketing materials filmed are not permitted to show activities that are distinguishable as NASA activities. The commercials or other marketing materials shall not use any corporate name(s), logo(s), or trademark(s) depicted in marketing activities without permission.

The NASA Insignia may not appear with other corporate products, identifying marks, or properties. Requests to film marketing materials on the ISS will also be approved in writing by the Multimedia Division of NASA's Office of Communications. The Multimedia Division will receive such requests from the Johnson Space Center (JSC) after the commercial partner has developed its proposal in consultation with JSC.

License notice for Vector Icons from or Inspired by Raphaël JS

<http://raphaeljs.com/icons/>
<http://raphaeljs.com/license.html>

Licensed under MIT License
A copy of the MIT license is included in Appendix A of this notice

License notice for Mouse and Gesture Vector Icons made by Freepik from Flaticon.com

By copying or downloading any icons from flaticon, you automatically agree to the following terms and conditions:

All ownership and copyright of the icons remain the property of flaticon and of their respective authors.

All icons from flaticon are provided as-is without any express or implied warranty.

All trademarks of social icons are copyright of their respective trademark owners.

You are allowed:

Use this icons for commercial purposes, to share or to modify it. In exchange, it's necessary to credit the author for the original creation as:

"Icon made by {author} from Flaticon.com"

Here you can find more details about the icons license: <http://creativecommons.org/licenses/by/3.0/>

You are not allowed:

- The icons may not be sub-licensed, resold, rented, redistributed or detached from a template, application or web page.
- The icons may not be included in any online or offline archive or archived downloadable format.
- The use of manual or automated software, devices, or other processes to “crawl,” “scrape,” or “spider” any portion of the Services is strictly prohibited. You will not decompile, reverse engineer, or otherwise attempt to obtain the source code of the Services.

A copy of the CC 3.0 license is included in Appendix A to this notice.

License notice for Mapbox

<https://www.mapbox.com/maki/>
<https://github.com/mapbox/maki>

A copy of the CC0 1.0 Universal license is included in Appendix A of this notice.

License notice for Big Buck Bunny trailer

(c) copyright 2008, Blender Foundation
www.bigbuckbunny.org

A copy of the CC0 Attribution 3.0 license is included in Appendix A of this notice.

License notice for Population909500

<https://github.com/dataarts/webgl-globe>

Copyright 2011 Google Data Arts Team

A copy of the Apache 2.0 license is included in Appendix A to this notice.

License notice for Wooden Watch Tower

<http://www.blendswap.com/blends/view/61653>

(c) copyright 2012, Dennis Haupt

A copy of the CC0 Attribution 3.0 license is included in Appendix A of this notice

License notice for GitHub logo

<https://github.com/logos>

GITHUB®, the GITHUB® logo design, OCTOCAT® and the OCTOCAT® logo design are exclusive trademarks registered in the United States by GitHub, Inc.

The OCTOCAT design is the exclusive property of GitHub, Inc and has been federally registered with the United States Copyright Office. All rights reserved.

No adaptation or use of any kind of any of our registered trademarks or copyrights, or any other contents of this website, is allowed without the express written permission of GitHub, Inc.

For more information regarding the authorized uses of these items please contact us.

License notice for Font Awesome Icon

Font Awesome by Dave Gandy

<http://fontawesome.io>

Font Awesome Pro License – Last updated on July 12, 2018

License Grant

In exchange for the fee the Customer owes under Payment, the Company grants the Customer a license, under all the copyrights and any patent rights the Company can license during the term of this agreement, to use Font Awesome Pro as described in What the Customer May Do, What Creators May Do, and What Creators May Not Do.

Public Licenses

The license granted under this agreement is in addition to, and separate from, the Company's public licenses for Font Awesome Free. This agreement and the public licenses for Font Awesome Free will be read separately, as independent legal documents.

33. chalk 1.1.3

Author: Sindre Sorhus (sindresorhus@gmail.com)

WWW: <https://github.com/chalk/chalk#readme>

Copyright (c) Sindre Sorhus <sindresorhus@gmail.com> (sindresorhus.com)

A copy of the MIT license is included in Appendix A to this notice.

34. cliui 3.2.0

Author: Ben Coe (ben@npmjs.com)

WWW: <https://github.com/yargs/cliui#readme>

Copyright (c) 2015, Contributors

A copy of the ISC license is included in Appendix A to this notice.

35. code-point-at 1.1.0

Author: Sindre Sorhus (sindresorhus@gmail.com)

WWW: <https://github.com/sindresorhus/code-point-at#readme>

Copyright (c) Sindre Sorhus <sindresorhus@gmail.com> (sindresorhus.com)

A copy of the MIT license is included in Appendix A to this notice.

36. combined-stream 1.0.7

Author: Felix Geisendörfer (felix@debuggable.com)

WWW: <https://github.com/felixge/node-combined-stream>

Copyright (c) 2011 Debuggable Limited <felix@debuggable.com>

A copy of the MIT license is included in Appendix A to this notice.

37. concat-map 0.0.1

Author: James Halliday (mail@substack.net)

WWW: <https://github.com/substack/node-concat-map>

A copy of the MIT license is included in Appendix A to this notice.

38. console-control-strings 1.1.0

Author: Rebecca Turner (me@re-becca.org)

WWW: <https://github.com/iarna/console-control-strings#readme>

Copyright (c) 2014, Rebecca Turner <me@re-becca.org>

A copy of the ISC license is included in Appendix A to this notice.

39. core-js 2.6.5

Author: Denis Pushkarev

WWW: <https://github.com/zloirock/core-js#readme>

Copyright (c) 2014-2019 Denis Pushkarev

A copy of the MIT license is included in Appendix A to this notice.

40. core-util-is 1.0.2

Author: Isaac Z. Schlueter (i@izs.me)

WWW: <https://github.com/isaacs/core-util-is#readme>

Copyright Node.js contributors. All rights reserved.

A copy of the MIT license is included in Appendix A to this notice.

41. cross-spawn 3.0.1

Author: IndigoUnited (hello@indigounited.com)

WWW: <https://github.com/IndigoUnited/node-cross-spawn#readme>

Copyright (c) 2014 IndigoUnited

A copy of the MIT license is included in Appendix A to this notice.

42. currently-unhandled 0.4.1

Author: James Talmage (james@talmage.io)

WWW: <https://github.com/jamestalmage/currently-unhandled#readme>

Copyright (c) James Talmage <james@talmage.io> (github.com/jamestalmage)

A copy of the MIT license is included in Appendix A to this notice.

43. dashdash 1.14.1

Author: Trent Mick (trentm@gmail.com)

Trent Mick (trentm@gmail.com)

Isaac Schlueter

Joshua M. Clulow

Patrick Mooney

Dave Pacheco

WWW: <https://github.com/trentm/node-dashdash#readme>

Copyright (c) 2013 Trent Mick. All rights reserved.

Copyright (c) 2013 Joyent Inc. All rights reserved.

A copy of the MIT license is included in Appendix A to this notice.

44. decamelize 1.2.0

Author: Sindre Sorhus (sindresorhus@gmail.com)

WWW: <https://github.com/sindresorhus/decamelize#readme>

Copyright (c) Sindre Sorhus <sindresorhus@gmail.com> (sindresorhus.com)

A copy of the MIT license is included in Appendix A to this notice.

45. delayed-stream 1.0.0

Author: Felix Geisendörfer (felix@debuggable.com)

Mike Atkins (apeherder@gmail.com)

WWW: <https://github.com/felixge/node-delayed-stream>

Copyright (c) 2011 Debuggable Limited <felix@debuggable.com>

A copy of the MIT license is included in Appendix A to this notice.

46. delegates 1.0.0

Author: TJ Holowaychuk (tj@vision-media.ca)

WWW: <https://github.com/visionmedia/node-delegates#readme>

Copyright (c) 2015 TJ Holowaychuk <tj@vision-media.ca>

A copy of the MIT license is included in Appendix A to this notice.

47. domino 2.1.3

Author: Felix Gnass (fgnass@gmail.com)

WWW: <https://github.com/fgnass/domino>

Copyright (c) 2011 The Mozilla Foundation.

A copy of the BSD 2-Clause license is included in Appendix A to this notice.

48. Dynamic LINQ Library 1.0.0.0

A copy of the Microsoft Public license is included in Appendix A to this notice.

Copyright © David Fowler 2011

49. ecc-jsbn 0.1.2

Author: Jeremie Miller (jeremie@jabber.org)

WWW: <https://github.com/quartzjer/ecc-jsbn>

Copyright (c) 2014 Jeremie Miller

A copy of the MIT license is included in Appendix A to this notice.

50. ElevateDB DAC-CS Version 2.31 Build 10

Copyright © 2019 Elevate Software, Inc

Proprietary License Agreement

51. Entity Framework 6.1.3

Author: Microsoft

WWW: <http://go.microsoft.com/fwlink/?LinkID=320540>

Copyright (c) Microsoft Open Technologies, Inc. All rights reserved.

MICROSOFT SOFTWARE LICENSE TERMS
MICROSOFT .NET LIBRARY

These license terms are an agreement between Microsoft Corporation (or based on where you live, one of its affiliates) and you. They apply to the software named above. The terms also apply to any Microsoft services or updates for the software, except to the extent those have different terms.

If you comply with these license terms, you have the rights below.

1. INSTALLATION AND USE RIGHTS.

You may install and use any number of copies of the software to design, develop and test you're applications. You may modify, copy, distribute or deploy any .js files contained in the software as part of your applications.

2. THIRD PARTY COMPONENTS.

The software may include third party components with separate legal notices or governed by other agreements, as may be described in the ThirdPartyNotices file(s) accompanying the software.

3. ADDITIONAL LICENSING REQUIREMENTS AND/OR USE RIGHTS.

a. **DISTRIBUTABLE CODE.** In addition to the .js files described above, the software is comprised of Distributable Code. “Distributable Code” is code that you are permitted to distribute in programs you develop if you comply with the terms below.

i. **Right to Use and Distribute.**

- You may copy and distribute the object code form of the software.
- **Third Party Distribution.** You may permit distributors of your programs to copy and distribute the Distributable Code as part of those programs.

ii. **Distribution Requirements.** For any Distributable Code you distribute, you must

- use the Distributable Code in your programs and not as a standalone distribution;
- require distributors and external end users to agree to terms that protect it at least as much as this agreement;
- display your valid copyright notice on your programs; and
- indemnify, defend, and hold harmless Microsoft from any claims, including attorneys’ fees, related to the distribution or use of your applications, except to the extent that any claim is based solely on the Distributable Code.

iii. **Distribution Restrictions.** You may not

- alter any copyright, trademark or patent notice in the Distributable Code;
- use Microsoft’s trademarks in your programs’ names or in a way that suggests your programs come from or are endorsed by Microsoft;
- include Distributable Code in malicious, deceptive or unlawful programs; or
- modify or distribute the source code of any Distributable Code so that any part of it becomes subject to an Excluded License. An Excluded License is one that requires, as a condition of use, modification or distribution, that
- the code be disclosed or distributed in source code form; or
- others have the right to modify it.

4. DATA.

a. **Data Collection.** The software may collect information about you and your use of the software, and send that to Microsoft. Microsoft may use this information to provide services and improve our products and services. You may opt-out of many of these scenarios, but not all, as described in the product documentation. There are also some features in the software that may enable you and Microsoft to collect data from users of your applications. If you use these features, you must comply with applicable law, including providing appropriate notices to users of your applications together with a copy of Microsoft’s privacy statement. Our privacy statement is located at <https://go.microsoft.com/fwlink/?LinkID=824704>. You can learn more about data collection and use in the help documentation and our privacy statement. Your use of the software operates as your consent to these practices.

b. **Processing of Personal Data.** To the extent Microsoft is a processor or subprocessor of personal data in connection with the software, Microsoft makes the commitments in the European Union General Data Protection Regulation Terms of the Online Services Terms to all customers effective May 25, 2018, at <http://go.microsoft.com/?linkid=9840733>.

5. **Scope of License.** The software is licensed, not sold. This agreement only gives you some rights to use the software. Microsoft reserves all other rights. Unless applicable law gives you more rights despite this limitation, you may use the software only as expressly permitted in this agreement. In doing so, you must comply with any technical limitations in the software that only allow you to use it in certain ways. You may not

- work around any technical limitations in the software;
- reverse engineer, decompile or disassemble the software, or otherwise attempt to derive the source code for the software, except and to the extent required by third party licensing terms governing use of certain open source components that may be included in the software;

- remove, minimize, block or modify any notices of Microsoft or its suppliers in the software;
- use the software in any way that is against the law; or
- share, publish, rent or lease the software, provide the software as a stand-alone offering for others to use, or transfer the software or this agreement to any third party.

6. **Export Restrictions.** You must comply with all domestic and international export laws and regulations that apply to the software, which include restrictions on destinations, end users, and end use. For further information on export restrictions, visit www.microsoft.com/exporting.

7. **SUPPORT SERVICES.** Because this software is “as is,” we may not provide support services for it.

8. **Entire Agreement.** This agreement, and the terms for supplements, updates, Internet-based services and support services that you use, are the entire agreement for the software and support services.

9. **Applicable Law.** If you acquired the software in the United States, Washington law applies to interpretation of and claims for breach of this agreement, and the laws of the state where you live apply to all other claims. If you acquired the software in any other country, its laws apply.

10. **CONSUMER RIGHTS; REGIONAL VARIATIONS.** This agreement describes certain legal rights. You may have other rights, including consumer rights, under the laws of your state or country. Separate and apart from your relationship with Microsoft, you may also have rights with respect to the party from which you acquired the software. This agreement does not change those other rights if the laws of your state or country do not permit it to do so. For example, if you acquired the software in one of the below regions, or mandatory country law applies, then the following provisions apply to you:

a) **Australia.** You have statutory guarantees under the Australian Consumer Law and nothing in this agreement is intended to affect those rights.

b) **Canada.** If you acquired this software in Canada, you may stop receiving updates by turning off the automatic update feature, disconnecting your device from the Internet (if and when you re-connect to the Internet, however, the software will resume checking for and installing updates), or uninstalling the software. The product documentation, if any, may also specify how to turn off updates for your specific device or software.

c) **Germany and Austria.**

(i) **Warranty.** The software will perform substantially as described in any Microsoft materials that accompany it. However, Microsoft gives no contractual guarantee in relation to the software.

(ii) **Limitation of Liability.** In case of intentional conduct, gross negligence, claims based on the Product Liability Act, as well as in case of death or personal or physical injury, Microsoft is liable according to the statutory law.

Subject to the foregoing clause (ii), Microsoft will only be liable for slight negligence if Microsoft is in breach of such material contractual obligations, the fulfillment of which facilitate the due performance of this agreement, the breach of which would endanger the purpose of this agreement and the compliance with which a party may constantly trust in (so-called "cardinal obligations"). In other cases of slight negligence, Microsoft will not be liable for slight negligence

11. **Disclaimer of Warranty.** THE SOFTWARE IS LICENSED “AS-IS.” YOU BEAR THE RISK OF USING IT. MICROSOFT GIVES NO EXPRESS WARRANTIES, GUARANTEES OR CONDITIONS. TO THE EXTENT PERMITTED UNDER YOUR LOCAL LAWS, MICROSOFT EXCLUDES THE IMPLIED WARRANTIES OF MERCHANTABILITY, FITNESS FOR A PARTICULAR PURPOSE AND NON-INFRINGEMENT.

12. **Limitation on and Exclusion of Remedies and Damages.** YOU CAN RECOVER FROM MICROSOFT AND

ITS SUPPLIERS ONLY DIRECT DAMAGES UP TO U.S. \$5.00. YOU CANNOT RECOVER ANY OTHER DAMAGES, INCLUDING CONSEQUENTIAL, LOST PROFITS, SPECIAL, INDIRECT OR INCIDENTAL DAMAGES.

This limitation applies to (a) anything related to the software, services, content (including code) on third party Internet sites, or third party applications; and (b) claims for breach of contract, breach of warranty, guarantee or condition, strict liability, negligence, or other tort to the extent permitted by applicable law.

It also applies even if Microsoft knew or should have known about the possibility of the damages. The above limitation or exclusion may not apply to you because your state or country may not allow the exclusion or limitation of incidental, consequential or other damages.

Please note: As this software is distributed in Quebec, Canada, some of the clauses in this agreement are provided below in French.

Remarque : Ce logiciel étant distribué au Québec, Canada, certaines des clauses dans ce contrat sont fournies ci-dessous en français.

EXONÉRATION DE GARANTIE. Le logiciel visé par une licence est offert « tel quel ». Toute utilisation de ce logiciel est à votre seule risque et péril. Microsoft n'accorde aucune autre garantie expresse. Vous pouvez bénéficier de droits additionnels en vertu du droit local sur la protection des consommateurs, que ce contrat ne peut modifier. La ou elles sont permises par le droit locale, les garanties implicites de qualité marchande, d'adéquation à un usage particulier et d'absence de contrefaçon sont exclues.

LIMITATION DES DOMMAGES-INTÉRÊTS ET EXCLUSION DE RESPONSABILITÉ POUR LES DOMMAGES. Vous pouvez obtenir de Microsoft et de ses fournisseurs une indemnisation en cas de dommages directs uniquement à hauteur de 5,00 \$ US. Vous ne pouvez prétendre à aucune indemnisation pour les autres dommages, y compris les dommages spéciaux, indirects ou accessoires et pertes de bénéfices.

Cette limitation concerne:

- tout ce qui est relié au logiciel, aux services ou au contenu (y compris le code) figurant sur des sites Internet tiers ou dans des programmes tiers ; et
- les réclamations au titre de violation de contrat ou de garantie, ou au titre de responsabilité stricte, de négligence ou d'une autre faute dans la limite autorisée par la loi en vigueur.

Elle s'applique également, même si Microsoft connaissait ou devrait connaître l'éventualité d'un tel dommage. Si votre pays n'autorise pas l'exclusion ou la limitation de responsabilité pour les dommages indirects, accessoires ou de quelque nature que ce soit, il se peut que la limitation ou l'exclusion ci-dessus ne s'appliquera pas à votre égard.

EFFET JURIDIQUE. Le présent contrat décrit certains droits juridiques. Vous pourriez avoir d'autres droits prévus par les lois de votre pays. Le présent contrat ne modifie pas les droits que vous confèrent les lois de votre pays si celles-ci ne le permettent pas.

52. [error-ex 1.3.2](#)

Author: JD Ballard

WWW: <https://github.com/qix-/node-error-ex#readme>

Copyright (c) 2015 JD Ballard

A copy of the MIT license is included in Appendix A to this notice.

53. [escape-string-regexp 1.0.5](#)

Author: Sindre Sorhus (sindresorhus@gmail.com)

WWW: <https://github.com/sindresorhus/escape-string-regexp>

Copyright (c) Sindre Sorhus <sindresorhus@gmail.com> (sindresorhus.com)

A copy of the MIT license is included in Appendix A to this notice.

54. [extend 3.0.2](#)

Author: Stefan Thomas (justmoon@members.fsf.org)
Jordan Harband

WWW: <https://github.com/justmoon/node-extend#readme>

Copyright (c) 2014 Stefan Thomas

A copy of the MIT license is included in Appendix A to this notice.

55. [Extended WPF Toolkit 2.5 Community Edition](#)

Author: Xceed

WWW: <https://github.com/xceedsoftware/wpftoolkit>

'Microsoft Public License' license can be found in the Common Licenses section.

56. [extsprintf 1.3.0](#)

Author: Joyent, Inc.

WWW: <https://github.com/davepacheco/node-extsprintf>

Copyright (c) 2012, Joyent, Inc. All rights reserved.

A copy of the MIT license is included in Appendix A to this notice.

57. [fast-deep-equal 2.0.1](#)

Author: Evgeny Poberezkin

WWW: <https://github.com/epoberezkin/fast-deep-equal#readme>

Copyright (c) 2017 Evgeny Poberezkin

A copy of the MIT license is included in Appendix A to this notice.

58. [fast-json-stable-stringify 2.0.0](#)

Author: James Halliday (mail@substack.net)

WWW: <https://github.com/epoberezkin/fast-json-stable-stringify>

A copy of the MIT license is included in Appendix A to this notice.

59. [find-up 1.1.2](#)

Author: Sindre Sorhus (sindresorhus@gmail.com)

WWW: <https://github.com/sindresorhus/find-up>

Copyright (c) Sindre Sorhus <sindresorhus@gmail.com> (sindresorhus.com)

A copy of the MIT license is included in Appendix A to this notice.

60. [FloatingPoint class](#)

Copyright 2005, Extreme Optimization. (<http://www.extremeoptimization.com>)
All rights reserved.

Copyright 2005, Extreme Optimization. (<http://www.extremeoptimization.com>)
All rights reserved.

A copy of the MIT license is included in Appendix A to this notice.

61. forever-agent 0.6.1

Author: Mikeal Rogers (mikeal.rogers@gmail.com)

WWW: <https://github.com/mikeal/forever-agent>

A copy of the Apache 2.0 license is included in Appendix A to this notice.

62. form-data 2.3.3

Author: Felix Geisendörfer (felix@debuggable.com)

WWW: <https://github.com/form-data/form-data#readme>

Copyright (c) 2012 Felix Geisendörfer (felix@debuggable.com) and contributors

A copy of the MIT license is included in Appendix A to this notice.

63. fs.realpath 1.0.0

Author: Isaac Z. Schlueter (i@izs.me)

WWW: <https://github.com/isaacs/fs.realpath#readme>

Copyright (c) Isaac Z. Schlueter and Contributors

A copy of the ISC license is included in Appendix A to this notice.

This library bundles a version of the `fs.realpath` and `fs.realpathSync` methods from Node.js v0.10 under the terms of the Node.js MIT license.

Copyright Joyent, Inc. and other Node contributors.

A copy of the MIT license is included in Appendix A to this notice.

64. fstream 1.0.11

Author: Isaac Z. Schlueter (i@izs.me)

WWW: <https://github.com/npm/fstream#readme>

Copyright (c) Isaac Z. Schlueter and Contributors

A copy of the ISC license is included in Appendix A to this notice.

65. gauge 2.7.4

Author: Rebecca Turner (me@re-becca.org)

WWW: <https://github.com/iarna/gauge>

Copyright (c) 2014, Rebecca Turner <me@re-becca.org>

A copy of the ISC license is included in Appendix A to this notice.

66. gaze 1.1.3

Author: Kyle Robinson Young (kyle@dontkry.com)

Kyle Robinson Young

Sam Day

Roarke Gaskill

Lance Pollard

Daniel Fagnan

Jonas

Chris Chua

Kael Zhang

Krasimir Tsonev

brett-shwom

WWW: <https://github.com/shama/gaze>

Copyright (c) 2018 Kyle Robinson Young

A copy of the MIT license is included in Appendix A to this notice.

67. GeographicLib

Copyright (c) 2008-2014, Charles Karney

A copy of the MIT license is included in Appendix A to this notice.

68. get-caller-file 1.0.3

Author: Stefan Penner

WWW: <https://github.com/stefanpenner/get-caller-file#readme>

Copyright 2018 Stefan Penner

A copy of the ISC license is included in Appendix A to this notice.

69. getpass 0.1.7

Author: Alex Wilson (alex.wilson@joyent.com)

WWW: <https://github.com/arekinath/node-getpass#readme>

Copyright Joyent, Inc. All rights reserved.

A copy of the MIT license is included in Appendix A to this notice.

70. get-stdin 4.0.1

Author: Sindre Sorhus (sindresorhus@gmail.com)

WWW: <https://github.com/sindresorhus/get-stdin>

Copyright (c) Sindre Sorhus <sindresorhus@gmail.com> (sindresorhus.com)

A copy of the MIT license is included in Appendix A to this notice.

71. glob 7.1.3

Author: Isaac Z. Schlueter (i@izs.me)

WWW: <https://github.com/isaacs/node-glob#readme>

Copyright (c) Isaac Z. Schlueter and Contributors

A copy of the ISC license is included in Appendix A to this notice.

72. globule 1.2.1

Author: "Cowboy" Ben Alman

WWW: <https://github.com/cowboy/node-globule>

Copyright (c) 2018 "Cowboy" Ben Alman

A copy of the MIT license is included in Appendix A to this notice.

73. graceful-fs 4.1.15

Author: Isaac Z. Schlueter, Ben Noordhuis, and Contributors

WWW: <https://github.com/isaacs/node-graceful-fs#readme>

Copyright (c) Isaac Z. Schlueter, Ben Noordhuis, and Contributors

A copy of the ISC license is included in Appendix A to this notice.

74. grisu.net

Copyright 2010 the V8 project authors. All rights reserved.

Copyright 2011-2012, Kevin Ring. All rights reserved.

A copy of the BSD 3-Clause license is included in Appendix A to this notice.

75. har-schema 2.0.0

Author: Ahmad Nassri (ahmad@ahmadnassri.com)

Evgeny Poberezkin (e.poberezkin@me.com)

WWW: <https://github.com/ahmadnassri/har-schema>

Copyright (c) 2015, Ahmad Nassri <ahmad@ahmadnassri.com>

A copy of the ISC license is included in Appendix A to this notice.

76. har-validator 5.1.3

Author: Ahmad Nassri (ahmad@ahmadnassri.com)

WWW: <https://github.com/ahmadnassri/node-har-validator>

Copyright (c) 2018 Ahmad Nassri <ahmad@ahmadnassri.com>

A copy of the MIT license is included in Appendix A to this notice.

77. has-ansi 2.0.0

Author: Sindre Sorhus (sindresorhus@gmail.com)

WWW: <https://github.com/sindresorhus/has-ansi>

Copyright (c) Sindre Sorhus <sindresorhus@gmail.com> (sindresorhus.com)

A copy of the MIT license is included in Appendix A to this notice.

78. has-unicode 2.0.1

Author: Rebecca Turner (me@re-becca.org)

WWW: <https://github.com/iarna/has-unicode>

Copyright (c) 2014, Rebecca Turner <me@re-becca.org>

A copy of the ISC license is included in Appendix A to this notice.

79. hosted-git-info 2.7.1

Author: Rebecca Turner (me@re-becca.org)

WWW: <https://github.com/npm/hosted-git-info>

Copyright (c) 2015, Rebecca Turner

A copy of the ISC license is included in Appendix A to this notice.

80. http-signature 1.2.0

Author: Joyent, Inc

Mark Cavage (mcavage@gmail.com)

David I. Lehn (dil@lehn.org)

Patrick Mooney (patrick.f.mooney@gmail.com)

WWW: <https://github.com/joyent/node-http-signature/>

Copyright Joyent, Inc. All rights reserved.

A copy of the MIT license is included in Appendix A to this notice.

81. indent-string 2.1.0

Author: Sindre Sorhus (sindresorhus@gmail.com)

WWW: <https://github.com/sindresorhus/indent-string#readme>

Copyright (c) Sindre Sorhus <sindresorhus@gmail.com> (sindresorhus.com)

A copy of the MIT license is included in Appendix A to this notice.

82. inflight 1.0.6

Author: Isaac Z. Schlueter (i@izs.me)

WWW: <https://github.com/isaacs/inflight>

Copyright (c) Isaac Z. Schlueter

A copy of the ISC license is included in Appendix A to this notice.

83. inherits 2.0.3

Author: Isaac Z. Schlueter

WWW: <https://github.com/isaacs/inherits#readme>

Copyright (c) Isaac Z. Schlueter

A copy of the ISC license is included in Appendix A to this notice.

84. in-publish 2.0.0

Author: Rebecca Turner (me@re-becca.org)

WWW: <https://github.com/iarna/in-publish>

Copyright (c) 2015, Rebecca Turner <me@re-becca.org>

A copy of the ISC license is included in Appendix A to this notice.

85. invert-kv 1.0.0

Author: Sindre Sorhus (sindresorhus@gmail.com)

WWW: <https://github.com/sindresorhus/invert-kv>

Copyright (c) Sindre Sorhus <sindresorhus@gmail.com> (sindresorhus.com)

A copy of the MIT license is included in Appendix A to this notice.

86. isarray 1.0.0

Author: Julian Gruber (mail@juliangruber.com)

WWW: <https://github.com/juliangruber/isarray>

Copyright (c) 2013 Julian Gruber <julian@juliangruber.com>

A copy of the MIT license is included in Appendix A to this notice.

87. is-arrayish 0.2.1

Author: Qix

WWW: <https://github.com/qix-/node-is-arrayish#readme>

Copyright (c) 2015 JD Ballard

A copy of the MIT license is included in Appendix A to this notice.

88. isexe 2.0.0

Author: Isaac Z. Schlueter (i@izs.me)

WWW: <https://github.com/isaacs/isexe#readme>

Copyright (c) Isaac Z. Schlueter and Contributors

A copy of the ISC license is included in Appendix A to this notice.

89. is-finite 1.0.2

Author: Sindre Sorhus (sindresorhus@gmail.com)

WWW: <https://github.com/sindresorhus/is-finite#readme>

Copyright (c) Sindre Sorhus <sindresorhus@gmail.com> (sindresorhus.com)

A copy of the MIT license is included in Appendix A to this notice.

90. is-fullwidth-code-point 1.0.0

Author: Sindre Sorhus (sindresorhus@gmail.com)

WWW: <https://github.com/sindresorhus/is-fullwidth-code-point>

Copyright (c) Sindre Sorhus <sindresorhus@gmail.com> (sindresorhus.com)

A copy of the MIT license is included in Appendix A to this notice.

91. isstream 0.1.2

Author: Rod Vagg (rod@vagg.org)

WWW: <https://github.com/rvagg/isstream>

Copyright (c) 2015 Rod Vagg

A copy of the MIT license is included in Appendix A to this notice.

92. is-typedarray 1.0.0

Author: Hugh Kennedy (hughskennedy@gmail.com)

WWW: <https://github.com/hughsk/is-typedarray>

A copy of the MIT license is included in Appendix A to this notice.

93. is-utf8 0.2.1

Author: wayfind

WWW: <https://github.com/wayfind/is-utf8#readme>

Copyright (C) 2014 Wei Fanzhe

A copy of the MIT license is included in Appendix A to this notice.

94. JetBrains ReSharper Annotations

Copyright (c) 2016 JetBrains <http://www.jetbrains.com>

A copy of the MIT license is included in Appendix A to this notice.

95. jquery 3.3.1

Author: JS Foundation and other contributors

WWW: <https://jquery.com>

Copyright JS Foundation and other contributors, <https://js.foundation/>

This software consists of voluntary contributions made by many individuals. For exact contribution history, see the revision history available at <https://github.com/jquery/jquery>

The following license applies to all parts of this software except as documented below:

====

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.

====

All files located in the node_modules and external directories are externally maintained libraries used by this software which have their own licenses; we recommend you read them, as their terms may differ from the terms above.

96. jquery-ui 1.12.1

Author: jQuery Foundation and other contributors

WWW: <http://jqueryui.com>

Licensing

This software is covered under the following copyright:

Copyright (c) 2003-2005 Tom Wu
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" AND WITHOUT WARRANTY OF ANY KIND, EXPRESS, IMPLIED OR OTHERWISE, INCLUDING WITHOUT LIMITATION, ANY WARRANTY OF MERCHANTABILITY OR FITNESS FOR A PARTICULAR PURPOSE.

IN NO EVENT SHALL TOM WU BE LIABLE FOR ANY SPECIAL, INCIDENTAL, INDIRECT OR CONSEQUENTIAL DAMAGES OF ANY KIND, OR ANY DAMAGES WHATSOEVER RESULTING FROM LOSS OF USE, DATA OR PROFITS, WHETHER OR NOT ADVISED OF THE POSSIBILITY OF DAMAGE, AND ON ANY THEORY OF LIABILITY, ARISING OUT OF OR IN CONNECTION WITH THE USE OR PERFORMANCE OF THIS SOFTWARE.

In addition, the following condition applies:

All redistributions must retain an intact copy of this copyright notice and disclaimer.

Address all questions regarding this license to:

Tom Wu
tjw@cs.Stanford.EDU Copyright jQuery Foundation and other contributors, <https://jquery.org/>

This software consists of voluntary contributions made by many individuals. For exact contribution history, see the revision history available at <https://github.com/jquery/jquery-ui>

The following license applies to all parts of this software except as documented below:

====

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.

====

Copyright and related rights for sample code are waived via CC0. Sample code is defined as all source code contained within the demo's directory.

CC0: <http://creativecommons.org/publicdomain/zero/1.0/>

====

All files located in the node_modules and external directories are externally maintained libraries used by this software which have their own licenses; we recommend you read them, as their terms may differ from the terms above.

97. [js-base64 2.5.1](#)

Author: Dan Kogai

WWW: <https://github.com/dankogai/js-base64#readme>

Copyright (c) 2014, Dan Kogai

A copy of the BSD 3-Clause license is included in Appendix A to this notice.

98. [jsbn 0.1.1](#)

Author: Tom Wu

WWW: <https://github.com/andyperlitch/jsbn#readme>

Licensing

This software is covered under the following copyright:

Copyright (c) 2003-2005 Tom Wu

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" AND WITHOUT WARRANTY OF ANY KIND, EXPRESS, IMPLIED OR OTHERWISE, INCLUDING WITHOUT LIMITATION, ANY WARRANTY OF MERCHANTABILITY OR FITNESS FOR A PARTICULAR PURPOSE.

IN NO EVENT SHALL TOM WU BE LIABLE FOR ANY SPECIAL, INCIDENTAL, INDIRECT OR CONSEQUENTIAL DAMAGES OF ANY KIND, OR ANY DAMAGES WHATSOEVER RESULTING FROM LOSS OF USE, DATA OR PROFITS, WHETHER OR NOT ADVISED OF THE POSSIBILITY OF DAMAGE, AND ON ANY THEORY OF LIABILITY, ARISING OUT OF OR IN CONNECTION WITH THE USE OR PERFORMANCE OF THIS SOFTWARE.

In addition, the following condition applies:

All redistributions must retain an intact copy of this copyright notice and disclaimer.

Address all questions regarding this license to:

Tom Wu
tjw@cs.Stanford.EDU

99. json-schema 0.2.3

Author: Kris Zyp

WWW: <https://github.com/kriszyp/json-schema#readme>

Dojo is available under *either* the terms of the modified BSD license *or* the Academic Free License version 2.1. As a recipient of Dojo, you may choose which license to receive this code under (except as noted in per-module LICENSE files). Some modules may not be the copyright of the Dojo Foundation. These modules contain explicit declarations of copyright in both the LICENSE files in the directories in which they reside and in the code itself. No external contributions are allowed under licenses which are fundamentally incompatible with the AFL or BSD licenses that Dojo is distributed under.

A copy of the BSD 3-Clause license is included in Appendix A to this notice.

The Academic Free License, v. 2.1:

This Academic Free License (the "License") applies to any original work of authorship (the "Original Work") whose owner (the "Licensor") has placed the following notice immediately following the copyright notice for the Original Work:

Licensed under the Academic Free License version 2.1

1) Grant of Copyright License. Licensor hereby grants You a world-wide, royalty-free, non-exclusive, perpetual, sublicenseable license to do the following:

- a) to reproduce the Original Work in copies;
- b) to prepare derivative works ("Derivative Works") based upon the Original Work;

c) to distribute copies of the Original Work and Derivative Works to the public;

d) to perform the Original Work publicly; and

e) to display the Original Work publicly.

2) Grant of Patent License. Licensor hereby grants You a world-wide, royalty-free, non-exclusive, perpetual, sublicenseable license, under patent claims owned or controlled by the Licensor that are embodied in the Original Work as furnished by the Licensor, to make, use, sell and offer for sale the Original Work and Derivative Works.

3) Grant of Source Code License. The term "Source Code" means the preferred form of the Original Work for making modifications to it and all available documentation describing how to modify the Original Work. Licensor hereby agrees to provide a machine-readable copy of the Source Code of the Original Work along with each copy of the Original Work that Licensor distributes. Licensor reserves the right to satisfy this obligation by placing a machine-readable copy of the Source Code in an information repository reasonably calculated to permit inexpensive and convenient access by You for as long as Licensor continues to distribute the Original Work, and by publishing the address of that information repository in a notice immediately following the copyright notice that applies to the Original Work.

4) Exclusions From License Grant. Neither the names of Licensor, nor the names of any contributors to the Original Work, nor any of their trademarks or service marks, may be used to endorse or promote products derived from this Original Work without express prior written permission of the Licensor. Nothing in this License shall be deemed to grant any rights to trademarks, copyrights, patents, trade secrets or any other intellectual property of Licensor except as expressly stated herein. No patent license is granted to make, use, sell or offer to sell embodiments of any patent claims other than the licensed claims defined in Section 2. No right is granted to the trademarks of Licensor even if such marks are included in the Original Work. Nothing in this License shall be interpreted to prohibit Licensor from licensing under different terms from this License any Original Work that Licensor otherwise would have a right to license.

5) This section intentionally omitted.

6) Attribution Rights. You must retain, in the Source Code of any Derivative Works that You create, all copyright, patent or trademark notices from the Source Code of the Original Work, as well as any notices of licensing and any descriptive text identified therein as an "Attribution Notice." You must cause the Source Code for any Derivative Works that You create to carry a prominent Attribution Notice reasonably calculated to inform recipients that You have modified the Original Work.

7) Warranty of Provenance and Disclaimer of Warranty. Licensor warrants that the copyright in and to the Original Work and the patent rights granted herein by Licensor are owned by the Licensor or are sublicensed to You under the terms of this License with the permission of the contributor(s) of those copyrights and patent rights. Except as expressly stated in the immediately preceding sentence, the Original Work is provided under this License on an "AS IS" BASIS and WITHOUT WARRANTY, either express or implied, including, without limitation, the warranties of NON-INFRINGEMENT, MERCHANTABILITY or FITNESS FOR A PARTICULAR PURPOSE. THE ENTIRE RISK AS TO THE QUALITY OF THE ORIGINAL WORK IS WITH YOU. This DISCLAIMER OF WARRANTY constitutes an essential part of this License. No license to Original Work is granted hereunder except under this disclaimer.

8) Limitation of Liability. Under no circumstances and under no legal theory, whether in tort (including negligence), contract, or otherwise, shall the Licensor be liable to any person for any direct, indirect, special, incidental, or consequential damages of any character arising as a result of this License or the use of the Original Work including, without limitation, damages for loss of goodwill, work stoppage, computer failure or malfunction, or any and all other commercial damages or losses. This limitation of liability shall not apply to liability for death or personal

injury resulting from Licensor's negligence to the extent applicable law prohibits such limitation. Some jurisdictions do not allow the exclusion or limitation of incidental or consequential damages, so this exclusion and limitation may not apply to You.

9) Acceptance and Termination. If You distribute copies of the Original Work or a Derivative Work, You must make a reasonable effort under the circumstances to obtain the express assent of recipients to the terms of this License. Nothing else but this License (or another written agreement between Licensor and You) grants You permission to create Derivative Works based upon the Original Work or to exercise any of the rights granted in Section 1 herein, and any attempt to do so except under the terms of this License (or another written agreement between Licensor and You) is expressly prohibited by U.S. copyright law, the equivalent laws of other countries, and by international treaty. Therefore, by exercising any of the rights granted to You in Section 1 herein, You indicate Your acceptance of this License and all of its terms and conditions.

10) Termination for Patent Action. This License shall terminate automatically and You may no longer exercise any of the rights granted to You by this License as of the date You commence an action, including a cross-claim or counterclaim, against Licensor or any licensee alleging that the Original Work infringes a patent. This termination provision shall not apply for an action alleging patent infringement by combinations of the Original Work with other software or hardware.

11) Jurisdiction, Venue and Governing Law. Any action or suit relating to this License may be brought only in the courts of a jurisdiction wherein the Licensor resides or in which Licensor conducts its primary business, and under the laws of that jurisdiction excluding its conflict-of-law provisions. The application of the United Nations Convention on Contracts for the International Sale of Goods is expressly excluded. Any use of the Original Work outside the scope of this License or after its termination shall be subject to the requirements and penalties of the U.S. Copyright Act, 17 U.S.C. Â§ 101 et seq., the equivalent laws of other countries, and international treaty. This section shall survive the termination of this License.

12) Attorneys Fees. In any action to enforce the terms of this License or seeking damages relating thereto, the prevailing party shall be entitled to recover its costs and expenses, including, without limitation, reasonable attorneys' fees and costs incurred in connection with such action, including any appeal of such action. This section shall survive the termination of this License.

13) Miscellaneous. This License represents the complete agreement concerning the subject matter hereof. If any provision of this License is held to be unenforceable, such provision shall be reformed only to the extent necessary to make it enforceable.

14) Definition of "You" in This License. "You" throughout this License, whether in upper or lower case, means an individual or a legal entity exercising rights under, and complying with all of the terms of, this License. For legal entities, "You" includes any entity that controls, is controlled by, or is under common control with you. For 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.

15) Right to Use. You may use the Original Work in all ways not otherwise restricted or conditioned by this License or by law, and Licensor promises not to interfere with or be responsible for such uses by You.

This license is Copyright (C) 2003-2004 Lawrence E. Rosen. All rights reserved.

Permission is hereby granted to copy and distribute this license without modification. This license may not be modified without the express written permission of its copyright owner.

Author: Evgeny Poberezkin

WWW: <https://github.com/epoberezkin/json-schema-traverse#readme>

Copyright (c) 2017 Evgeny Poberezkin

A copy of the MIT license is included in Appendix A to this notice.

101. json-stringify-safe 5.0.1

Author: Isaac Z. Schlueter (i@izs.me)

Andri Möll (andri@dot.ee)

WWW: <https://github.com/isaacs/json-stringify-safe>

Copyright (c) Isaac Z. Schlueter and Contributors

A copy of the ISC license is included in Appendix A to this notice.

102. jsprim 1.4.1

Author: Joyent, Inc.

WWW: <https://github.com/joyent/node-jsprim#readme>

Copyright (c) 2012, Joyent, Inc. All rights reserved.

A copy of the MIT license is included in Appendix A to this notice.

103. Keycloak 4.8.0

A copy of the MIT license is included in Appendix A to this notice.

104. keycloak-js 4.8.0

Author: Keycloak

WWW: <https://github.com/keycloak/keycloak-js-bower>

A copy of the Apache 2.0 license is included in Appendix A to this notice.

105. lcid 1.0.0

Author: Sindre Sorhus (sindresorhus@gmail.com)

WWW: <https://github.com/sindresorhus/lcid>

A copy of the MIT license is included in Appendix A to this notice.

106. load-json-file 1.1.0

Author: Sindre Sorhus (sindresorhus@gmail.com)

WWW: <https://github.com/sindresorhus/load-json-file>

Copyright (c) Sindre Sorhus <sindresorhus@gmail.com> (sindresorhus.com)

A copy of the MIT license is included in Appendix A to this notice.

107. lodash 4.17.11

Author: John-David Dalton (john.david.dalton@gmail.com)

John-David Dalton (john.david.dalton@gmail.com)

Mathias Bynens (mathias@qiwi.be)

WWW: <https://lodash.com/>

Copyright JS Foundation and other contributors <<https://js.foundation/>>

Based on Underscore.js, copyright Jeremy Ashkenas,
DocumentCloud and Investigative Reporters & Editors <<http://underscorejs.org/>>

This software consists of voluntary contributions made by many individuals. For exact contribution history, see the revision history available at <https://github.com/lodash/lodash>

The following license applies to all parts of this software except as documented below:

====

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.

====

Copyright and related rights for sample code are waived via CC0. Sample code is defined as all source code displayed within the prose of the documentation.

CC0: <http://creativecommons.org/publicdomain/zero/1.0/>

====

Files located in the node_modules and vendor directories are externally maintained libraries used by this software which have their own licenses; we recommend you read them, as their terms may differ from the terms above.

108. [lodash.assign 4.2.0](#)

Author: John-David Dalton (john.david.dalton@gmail.com)

John-David Dalton (john.david.dalton@gmail.com)

Blaine Bublitz (blaine.bublitz@gmail.com)

Mathias Bynens (mathias@qiwi.be)

WWW: <https://lodash.com/>

Copyright jQuery Foundation and other contributors <<https://jquery.org/>>

Based on Underscore.js, copyright Jeremy Ashkenas,
DocumentCloud and Investigative Reporters & Editors <<http://underscorejs.org/>>

This software consists of voluntary contributions made by many individuals. For exact contribution history, see the revision history available at <https://github.com/lodash/lodash>

The following license applies to all parts of this software except as documented below:

====

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.

====

Copyright and related rights for sample code are waived via CC0. Sample code is defined as all source code displayed within the prose of the documentation.

CC0: <http://creativecommons.org/publicdomain/zero/1.0/>

====

Files located in the node_modules and vendor directories are externally maintained libraries used by this software which have their own licenses; we recommend you read them, as their terms may differ from the terms above.

109. [lodash.clonedeep 4.5.0](#)

Author: John-David Dalton (john.david.dalton@gmail.com)

John-David Dalton (john.david.dalton@gmail.com)

Blaine Bublitz (blaine.bublitz@gmail.com)

Mathias Bynens (mathias@qiwi.be)

WWW: <https://lodash.com/>

Copyright jQuery Foundation and other contributors <<https://jquery.org/>>

Based on Underscore.js, copyright Jeremy Ashkenas,
DocumentCloud and Investigative Reporters & Editors <<http://underscorejs.org/>>

This software consists of voluntary contributions made by many individuals. For exact contribution history, see the revision history available at <https://github.com/lodash/lodash>

The following license applies to all parts of this software except as documented below:

====

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.

====

Copyright and related rights for sample code are waived via CC0. Sample code is defined as all source code displayed within the prose of the documentation.

CC0: <http://creativecommons.org/publicdomain/zero/1.0/>

====

Files located in the `node_modules` and `vendor` directories are externally maintained libraries used by this software which have their own licenses; we recommend you read them, as their terms may differ from the terms above.

110. [lodash.merge](#) with 4.6.1

Author: John-David Dalton (john.david.dalton@gmail.com)
John-David Dalton (john.david.dalton@gmail.com)
Mathias Bynens (mathias@qiwi.be)

WWW: <https://lodash.com/>

Copyright JS Foundation and other contributors <<https://js.foundation/>>

Based on Underscore.js, copyright Jeremy Ashkenas,
DocumentCloud and Investigative Reporters & Editors <<http://underscorejs.org/>>

This software consists of voluntary contributions made by many individuals. For exact contribution history, see the revision history available at <https://github.com/lodash/lodash>

The following license applies to all parts of this software except as documented below:

====

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.

====

Copyright and related rights for sample code are waived via CC0. Sample code is defined as all source code displayed within the prose of the documentation.

CC0: <http://creativecommons.org/publicdomain/zero/1.0/>

====

Files located in the `node_modules` and `vendor` directories are externally maintained libraries used by this software which have their own licenses; we recommend you read them, as their terms may differ from the terms above.

111. [Log4Net](#) 1.2

WWW: <https://logging.apache.org/log4net/>

A copy of the Apache 2.0 license is included in Appendix A to this notice.

112. loud-rejection 1.6.0

Author: Sindre Sorhus (sindresorhus@gmail.com)

WWW: <https://github.com/sindresorhus/loud-rejection#readme>

Copyright (c) Sindre Sorhus <sindresorhus@gmail.com> (sindresorhus.com)

A copy of the MIT license is included in Appendix A to this notice.

113. lru-cache 4.1.5

Author: Isaac Z. Schlueter (i@izs.me)

WWW: <https://github.com/isaacs/node-lru-cache#readme>

Copyright (c) Isaac Z. Schlueter and Contributors

A copy of the ISC license is included in Appendix A to this notice.

114. map-obj 1.0.1

Author: Sindre Sorhus (sindresorhus@gmail.com)

WWW: <https://github.com/sindresorhus/map-obj>

Copyright (c) Sindre Sorhus <sindresorhus@gmail.com> (sindresorhus.com)

A copy of the MIT license is included in Appendix A to this notice.

115. meow 3.7.0

Author: Sindre Sorhus (sindresorhus@gmail.com)

WWW: <https://github.com/sindresorhus/meow#readme>

Copyright (c) Sindre Sorhus <sindresorhus@gmail.com> (sindresorhus.com)

A copy of the MIT license is included in Appendix A to this notice.

116. Microsoft ASP.NET Model View Controller 4

Author: Microsoft

These license terms are an agreement between Microsoft Corporation (or based on where you live, one of its affiliates) and you. Please read them. They apply to the software named above, which includes the media on which you received it, if any. The terms also apply to any Microsoft

- updates,
- supplements,
- Internet-based services, and
- support services

for this software, unless other terms accompany those items. If so, those terms apply.

By using the software, you accept these terms. If you do not accept them, do not use the software.

If you comply with these license terms, you have the perpetual rights below.

1. **INSTALLATION AND USE RIGHTS.** You may install and use any number of copies of the software on your devices for use with your ASP.NET programs. You may modify, copy, distribute or deploy any .js files contained in the software as part of your ASP.NET programs.

2. **ADDITIONAL LICENSING REQUIREMENTS AND/OR USE RIGHTS.**

a. **Distributable Code.** In addition to the .js files described above, the software contains code that you are permitted to distribute in ASP.NET programs you develop if you comply with the terms below.

i. **Redistributable DLL files.** You may copy and distribute the object code form of the following files.

- System.Net.Http.dll
- System.Net.Http.Formatting.dll
- System.Web.Http.SelfHost.dll
- System.Web.Http.WebHost.dll
- System.Web.Http.dll
- System.Net.Http.WebRequest.dll
- System.Web.Mvc.dll

· **Third Party Distribution.** You may permit distributors of your programs to copy and distribute the Distributable Code as part of those programs.

ii. **Distribution Requirements.** For any Distributable Code you distribute, you must

- add significant primary functionality to it in your programs;
- require distributors and external end users to agree to terms that protect it at least as much as this agreement;
- display your valid copyright notice on your programs; and
- indemnify, defend, and hold harmless Microsoft from any claims, including attorneys' fees, related to the distribution or use of your programs.

iii. **Distribution Restrictions.** You may not

- alter any copyright, trademark or patent notice in the Distributable Code;
 - use Microsoft's trademarks in your programs' names or in a way that suggests your programs come from or are endorsed by Microsoft;
 - distribute Distributable Code to run on a platform other than the Windows platform;
 - include Distributable Code in malicious, deceptive or unlawful programs; or
 - modify or distribute the source code of any Distributable Code so that any part of it becomes subject to an Excluded License. An Excluded License is one that requires, as a condition of use, modification or distribution, that
- the code be disclosed or distributed in source code form; or
 - others have the right to modify it.

3. **INTERNET-BASED SERVICES.** Microsoft provides Internet-based services with the software. It may change or cancel them at any time.

4. **THIRD PARTY NOTICES.** The software may include third party code that Microsoft, not the third party, licenses to you under this agreement. Notices, if any, for the third party code are included for your information only.

5. **SCOPE OF LICENSE.** The software is licensed, not sold. This agreement only gives you some rights to use the software. Microsoft reserves all other rights. Unless applicable law gives you more rights despite this limitation, you may use the software only as expressly permitted in this agreement. In doing so, you must comply with any technical limitations in the software that only allow you to use it in certain ways. You may not

- disclose the results of any benchmark tests of the software to any third party without Microsoft's prior written approval;
- work around any technical limitations in the software;

- reverse engineer, decompile or disassemble the software, except and only to the extent that applicable law expressly permits, despite this limitation;
- make more copies of the software than specified in this agreement or allowed by applicable law, despite this limitation;
- publish the software for others to copy;
- rent, lease or lend the software; or
- transfer the software or this agreement to any third party.

6. **BACKUP COPY.** You may make one backup copy of the software. You may use it only to reinstall the software.

7. **DOCUMENTATION.** Any person that has valid access to your computer or internal network may copy and use the documentation for your internal, reference purposes.

8. **EXPORT RESTRICTIONS.** The software is subject to United States export laws and regulations. You must comply with all domestic and international export laws and regulations that apply to the software. These laws include restrictions on destinations, end users and end use. For additional information, see www.microsoft.com/exporting.

9. **SUPPORT SERVICES.** Because this software is “as is,” we may not provide support services for it.

10. **ENTIRE AGREEMENT.** This agreement, and the terms for supplements, updates, Internet-based services and support services that you use, are the entire agreement for the software and support services.

11. APPLICABLE LAW.

a. **United States.** If you acquired the software in the United States, Washington state law governs the interpretation of this agreement and applies to claims for breach of it, regardless of conflict of laws principles. The laws of the state where you live govern all other claims, including claims under state consumer protection laws, unfair competition laws, and in tort.

b. **Outside the United States.** If you acquired the software in any other country, the laws of that country apply.

12. **LEGAL EFFECT.** This agreement describes certain legal rights. You may have other rights under the laws of your country. You may also have rights with respect to the party from whom you acquired the software. This agreement does not change your rights under the laws of your country if the laws of your country do not permit it to do so.

13. **DISCLAIMER OF WARRANTY.** The software is licensed “as-is.” You bear the risk of using it. Microsoft gives no express warranties, guarantees or conditions. You may have additional consumer rights or statutory guarantees under your local laws which this agreement cannot change. To the extent permitted under your local laws, Microsoft excludes the implied warranties of merchantability, fitness for a particular purpose and non-infringement.

FOR AUSTRALIA – You have statutory guarantees under the Australian Consumer Law and nothing in these terms is intended to affect those rights.

14. **LIMITATION ON AND EXCLUSION OF REMEDIES AND DAMAGES.** You can recover from Microsoft and its suppliers only direct damages up to U.S. \$5.00. You cannot recover any other damages, including consequential, lost profits, special, indirect or incidental damages.

This limitation applies to

- anything related to the software, services, content (including code) on third party Internet sites, or third party programs; and
- claims for breach of contract, breach of warranty, guarantee or condition, strict liability, negligence, or other tort to the extent permitted by applicable law.

It also applies even if Microsoft knew or should have known about the possibility of the damages. The above limitation or exclusion may not apply to you because your country may not allow the exclusion or limitation of incidental, consequential or other damages.

117. Microsoft OWIN 1.0.0

WWW: <https://github.com/aspnet/AspNetKatana/tree/v1.0.0>

Copyright 2011-2012 Katana contributors

A copy of the Apache 2.0 license is included in Appendix A to this notice.

118. Microsoft Patterns and Practices 4.1.0

Author: Microsoft

A copy of the Microsoft Public license is included in Appendix A to this notice.

119. mime-db 1.38.0

Author: Douglas Christopher Wilson (doug@somethingdoug.com)
Jonathan Ong (me@jongleberry.com)
Robert Kieffer (robert@broofa.com)

WWW: <https://github.com/jshttp/mime-db#readme>

Copyright (c) 2014 Jonathan Ong me@jongleberry.com

A copy of the MIT license is included in Appendix A to this notice.

120. mime-types 2.1.22

Author: Douglas Christopher Wilson (doug@somethingdoug.com)
Jeremiah Senkpiel (fishrock123@rocketmail.com)
Jonathan Ong (me@jongleberry.com)

WWW: <https://github.com/jshttp/mime-types#readme>

Copyright (c) 2014 Jonathan Ong <me@jongleberry.com>

Copyright (c) 2015 Douglas Christopher Wilson <doug@somethingdoug.com>

A copy of the MIT license is included in Appendix A to this notice.

121. minimatch 3.0.4

Author: Isaac Z. Schlueter (i@izs.me)

WWW: <https://github.com/isaacs/minimatch#readme>

Copyright (c) Isaac Z. Schlueter and Contributors

A copy of the ISC license is included in Appendix A to this notice.

122. minimist 1.2.0

Author: James Halliday (mail@substack.net)

WWW: <https://github.com/substack/minimist>

A copy of the MIT license is included in Appendix A to this notice.

123. [minimist 0.0.8](#)

Author: James Halliday (mail@substack.net)

WWW: <https://github.com/substack/minimist>

A copy of the MIT license is included in Appendix A to this notice.

124. [mkdirp 0.5.1](#)

Author: James Halliday (mail@substack.net)

WWW: <https://github.com/substack/node-mkdirp#readme>

Copyright 2010 James Halliday (mail@substack.net)

A copy of the MIT license is included in Appendix A to this notice.

125. [Mono Project Class Library \(DateTime class\)](#)

(C) 2001 Marcel Narings

Copyright (C) 2004-2006 Novell, Inc (<http://www.novell.com>)

A copy of the MIT license is included in Appendix A to this notice.

126. [nan 2.13.2](#)

Author: Rod Vagg (r@va.gg)

Benjamin Byholm (bbyholm@abo.fi)

Trevor Norris (trev.norris@gmail.com)

Nathan Rajlich (nathan@tootallnate.net)

Brett Lawson (brett19@gmail.com)

Ben Noordhuis (info@bnoordhuis.nl)

David Siegel (david@artcom.de)

Michael Ira Krufky (mkrufky@gmail.com)

NAN contributors listed at [<https://github.com/nodejs/nan#contributors>](https://github.com/nodejs/nan#contributors)

WWW: <https://github.com/nodejs/nan#readme>

Copyright (c) 2018 NAN contributors

A copy of the MIT license is included in Appendix A to this notice.

127. [NDesk.Options 76fd5b6](#)

Author: Jonathan Pryor (jpryor@novell.com, Jonathan.Pryor@microsoft.com)

Federico Di Gregorio (fog@initd.org)

Rolf Bjarne Kvinge (rolf@xamarin.com)

Copyright (C) 2008 Novell (<http://www.novell.com>)

Copyright (C) 2009 Federico Di Gregorio.

Copyright (C) 2012 Xamarin Inc (<http://www.xamarin.com>)

Copyright (C) 2017 Microsoft Corporation (<http://www.microsoft.com>)

A copy of the MIT license is included in Appendix A to this notice.

128. [Newtonsoft.Json.NET 6.0.4](#)

Author: James Newton-King

Copyright (c) 2007 James Newton-King

A copy of the MIT license is included in Appendix A to this notice.

129. node-gyp 3.8.0

Author: Nathan Rajlich (nathan@tootallnate.net)

WWW: <https://github.com/nodejs/node-gyp#readme>

Copyright (c) 2012 Nathan Rajlich <nathan@tootallnate.net>

A copy of the MIT license is included in Appendix A to this notice.

130. node-sass 4.11.0

Author: Andrew Nesbitt (andrewnez@gmail.com)

WWW: <https://github.com/sass/node-sass>

Copyright (c) 2013-2016 Andrew Nesbitt

A copy of the MIT license is included in Appendix A to this notice.

131. nopt 3.0.6

Author: Isaac Z. Schlueter (i@izs.me)

WWW: <https://github.com/npm/nopt#readme>

Copyright (c) Isaac Z. Schlueter and Contributors

A copy of the ISC license is included in Appendix A to this notice.

132. normalize-package-data 2.5.0

Author: Meryn Stol (merynstol@gmail.com)

Isaac Z. Schlueter (i@izs.me)

Meryn Stol (merynstol@gmail.com)

Robert Kowalski (rok@kowalski.gd)

WWW: <https://github.com/npm/normalize-package-data#readme>

This package contains code originally written by Isaac Z. Schlueter.

Used with permission.

Copyright (c) Meryn Stol ("Author")

All rights reserved.

A copy of the BSD 2-Clause license is included in Appendix A to this notice.

133. npmlog 4.1.2

Author: Isaac Z. Schlueter (i@izs.me)

WWW: <https://github.com/npm/npmlog#readme>

Copyright (c) Isaac Z. Schlueter and Contributors

A copy of the ISC license is included in Appendix A to this notice.

134. number-is-nan 1.0.1

Author: Sindre Sorhus (sindresorhus@gmail.com)

WWW: <https://github.com/sindresorhus/number-is-nan#readme>

Copyright (c) Sindre Sorhus <sindresorhus@gmail.com> (sindresorhus.com)

A copy of the MIT license is included in Appendix A to this notice.

135. oauth-sign 0.9.0

Author: Mikeal Rogers (mikeal.rogers@gmail.com)

WWW: <https://github.com/mikeal/oauth-sign#readme>

A copy of the Apache 2.0 license is included in Appendix A to this notice.

136. object-assign 4.1.1

Author: Sindre Sorhus (sindresorhus@gmail.com)

WWW: <https://github.com/sindresorhus/object-assign#readme>

Copyright (c) Sindre Sorhus <sindresorhus@gmail.com> (sindresorhus.com)

A copy of the MIT license is included in Appendix A to this notice.

137. once 1.4.0

Author: Isaac Z. Schlueter (i@izs.me)

WWW: <https://github.com/isaacs/once#readme>

Copyright (c) Isaac Z. Schlueter and Contributors

A copy of the ISC license is included in Appendix A to this notice.

138. osenv 0.1.5

Author: Isaac Z. Schlueter (i@izs.me)

WWW: <https://github.com/npm/osenv#readme>

Copyright (c) Isaac Z. Schlueter and Contributors

A copy of the ISC license is included in Appendix A to this notice.

139. os-homedir 1.0.2

Author: Sindre Sorhus (sindresorhus@gmail.com)

WWW: <https://github.com/sindresorhus/os-homedir#readme>

Copyright (c) Sindre Sorhus <sindresorhus@gmail.com> (sindresorhus.com)

A copy of the MIT license is included in Appendix A to this notice.

140. os-locale 1.4.0

Author: Sindre Sorhus (sindresorhus@gmail.com)

WWW: <https://github.com/sindresorhus/os-locale>

Copyright (c) Sindre Sorhus <sindresorhus@gmail.com> (sindresorhus.com)

A copy of the MIT license is included in Appendix A to this notice.

141. os-tmpdir 1.0.2

Author: Sindre Sorhus (sindresorhus@gmail.com)

WWW: <https://github.com/sindresorhus/os-tmpdir#readme>

Copyright (c) Sindre Sorhus <sindresorhus@gmail.com> (sindresorhus.com)

A copy of the MIT license is included in Appendix A to this notice.

142. parse-json 2.2.0

Author: Sindre Sorhus (sindresorhus@gmail.com)

WWW: <https://github.com/sindresorhus/parse-json>

Copyright (c) Sindre Sorhus <sindresorhus@gmail.com> (sindresorhus.com)

A copy of the MIT license is included in Appendix A to this notice.

143. path-exists 2.1.0

Author: Sindre Sorhus (sindresorhus@gmail.com)

WWW: <https://github.com/sindresorhus/path-exists>

Copyright (c) Sindre Sorhus <sindresorhus@gmail.com> (sindresorhus.com)

A copy of the MIT license is included in Appendix A to this notice.

144. path-is-absolute 1.0.1

Author: Sindre Sorhus (sindresorhus@gmail.com)

WWW: <https://github.com/sindresorhus/path-is-absolute#readme>

Copyright (c) Sindre Sorhus <sindresorhus@gmail.com> (sindresorhus.com)

A copy of the MIT license is included in Appendix A to this notice.

145. path-parse 1.0.6

Author: Javier Blanco (<http://jbgutierrez.info>)

WWW: <https://github.com/jbgutierrez/path-parse#readme>

Copyright (c) 2015 Javier Blanco

A copy of the MIT license is included in Appendix A to this notice.

146. path-type 1.1.0

Author: Sindre Sorhus (sindresorhus@gmail.com)

WWW: <https://github.com/sindresorhus/path-type>

Copyright (c) Sindre Sorhus <sindresorhus@gmail.com> (sindresorhus.com)

A copy of the MIT license is included in Appendix A to this notice.

147. performance-now 2.1.0

Author: Braveg1rl (braveg1rl@outlook.com)

WWW: <https://github.com/braveg1rl/performance-now>

Copyright (c) 2013 Braveg1rl

A copy of the MIT license is included in Appendix A to this notice.

148. pify 2.3.0

Author: Sindre Sorhus (sindresorhus@gmail.com)

WWW: <https://github.com/sindresorhus/pify>

Copyright (c) Sindre Sorhus <sindresorhus@gmail.com> (sindresorhus.com)

A copy of the MIT license is included in Appendix A to this notice.

149. pinkie 2.0.4

Author: Vsevolod Strukchinsky (floatdrop@gmail.com)

WWW: <https://github.com/floatdrop/pinkie#readme>

Copyright (c) Vsevolod Strukchinsky <floatdrop@gmail.com> (github.com/floatdrop)

A copy of the MIT license is included in Appendix A to this notice.

150. pinkie-promise 2.0.1

Author: Vsevolod Strukchinsky (floatdrop@gmail.com)

WWW: <https://github.com/floatdrop/pinkie-promise>

Copyright (c) Vsevolod Strukchinsky <floatdrop@gmail.com> (github.com/floatdrop)

A copy of the MIT license is included in Appendix A to this notice.

151. process-nextick-args 2.0.0

Author: Calvin Metcalf

WWW: <https://github.com/calvinmetcalf/process-nextick-args>

Copyright (c) 2015 Calvin Metcalf

A copy of the MIT license is included in Appendix A to this notice.

152. pseudomap 1.0.2

Author: Isaac Z. Schlueter (i@izs.me)

WWW: <https://github.com/isaacs/pseudomap#readme>

Copyright (c) Isaac Z. Schlueter and Contributors

A copy of the ISC license is included in Appendix A to this notice.

153. psl 1.1.31

Author: Lupo Montero

WWW: <https://github.com/wrangr/psl#readme>

Copyright (c) 2017 Lupo Montero lupomontero@gmail.com

A copy of the MIT license is included in Appendix A to this notice.

154. punycode 2.1.1

Author: Mathias Bynens

WWW: <https://mths.be/punycode>

Copyright Mathias Bynens <<https://mathiasbynens.be/>>

A copy of the MIT license is included in Appendix A to this notice.

155. punycode 1.4.1

Author: Mathias Bynens

Mathias Bynens

John-David Dalton

WWW: <https://mths.be/punycode>

Copyright Mathias Bynens <<https://mathiasbynens.be/>>

A copy of the MIT license is included in Appendix A to this notice.

156. qs 6.5.2

Author: Jordan Harband (ljharb@gmail.com)

The complete list of contributors can be found at: <https://github.com/hapijs/qs/graphs/contributors>

WWW: <https://github.com/ljharb/qs>

Copyright (c) 2014 Nathan LaFreniere and other contributors.

All rights reserved.

A copy of the BSD 3-Clause license is included in Appendix A to this notice.

157. readable-stream 2.3.6

Author: Node.js contributors

WWW: <https://github.com/nodejs/readable-stream#readme>

A copy of the MIT license is included in Appendix A to this notice.

158. read-pkg 1.1.0

Author: Sindre Sorhus (sindresorhus@gmail.com)

WWW: <https://github.com/sindresorhus/read-pkg>

Copyright (c) Sindre Sorhus <sindresorhus@gmail.com> (sindresorhus.com)

A copy of the MIT license is included in Appendix A to this notice.

159. read-pkg-up 1.0.1

Author: Sindre Sorhus (sindresorhus@gmail.com)

WWW: <https://github.com/sindresorhus/read-pkg-up>

Copyright (c) Sindre Sorhus <sindresorhus@gmail.com> (sindresorhus.com)

A copy of the MIT license is included in Appendix A to this notice.

160. redent 1.0.0

Author: Sindre Sorhus (sindresorhus@gmail.com)

WWW: <https://github.com/sindresorhus/redent>

Copyright (c) Sindre Sorhus <sindresorhus@gmail.com> (sindresorhus.com)

A copy of the MIT license is included in Appendix A to this notice.

161. repeating 2.0.1

Author: Sindre Sorhus (sindresorhus@gmail.com)

WWW: <https://github.com/sindresorhus/repeating#readme>

Copyright (c) Sindre Sorhus <sindresorhus@gmail.com> (sindresorhus.com)

A copy of the MIT license is included in Appendix A to this notice.

162. request 2.88.0

Author: Mikeal Rogers (mikeal.rogers@gmail.com)

WWW: <https://github.com/request/request#readme>

A copy of the Apache 2.0 license is included in Appendix A to this notice.

163. require-directory 2.1.1

Author: Troy Goode (troygoode@gmail.com)

WWW: <https://github.com/troygoode/node-require-directory/>

Copyright (c) 2011 Troy Goode <troygoode@gmail.com>

A copy of the MIT license is included in Appendix A to this notice.

164. requirejs 2.3.6

Author: James Burke (jrburke@gmail.com)

WWW: <http://github.com/jrburke/r.js>

Copyright jQuery Foundation and other contributors, <https://jquery.org/>

This software consists of voluntary contributions made by many individuals. For exact contribution history, see the revision history available at <https://github.com/requirejs/r.js>

Files located in the node_modules directory, and certain utilities used to build or test the software in the tests, build/tests, env, lib directories, are externally maintained libraries used by this software which have their own licenses; we recommend you read them, as their terms may differ from the terms above.

A copy of the MIT license is included in Appendix A to this notice.

165. require-main-filename 1.0.1

Author: Ben Coe (ben@npmjs.com)

WWW: <https://github.com/yargs/require-main-filename#readme>

Copyright (c) 2016, Contributors

A copy of the ISC license is included in Appendix A to this notice.

166. resolve 1.10.0

Author: James Halliday (mail@substack.net)

WWW: <https://github.com/browserify/resolve#readme>

A copy of the MIT license is included in Appendix A to this notice.

167. rimraf 2.6.3

Author: Isaac Z. Schlueter (i@izs.me)

WWW: <https://github.com/isaacs/rimraf#readme>

Copyright (c) Isaac Z. Schlueter and Contributors

A copy of the ISC license is included in Appendix A to this notice.

168. rxjs 6.4.0

Author: Ben Lesh (ben@benlesh.com)

Ben Lesh (ben@benlesh.com)

Paul Taylor (paul.e.taylor@me.com)

Jeff Cross (crossj@google.com)

Matthew Podwysocki (matthewp@microsoft.com)

OJ Kwon (kwon.ohjoong@gmail.com)

Andre Staltz (andre@staltz.com)

WWW: <https://github.com/ReactiveX/RxJS>

Copyright (c) 2015-2018 Google, Inc., Netflix, Inc., Microsoft Corp. and contributors

A copy of the Apache 2.0 license is included in Appendix A to this notice.

169. safe-buffer 5.1.2

Author: Feross Aboukhadijeh (feross@feross.org)

WWW: <https://github.com/feross/safe-buffer>

Copyright (c) Feross Aboukhadijeh

A copy of the MIT license is included in Appendix A to this notice.

170. safer-buffer 2.1.2

Author: Nikita Skovoroda (chalkerx@gmail.com)

WWW: <https://github.com/ChALkeR/safer-buffer#readme>

Copyright (c) 2018 Nikita Skovoroda <chalkerx@gmail.com>

A copy of the MIT license is included in Appendix A to this notice.

171. sass-graph 2.2.4

Author: xzyfer

WWW: <https://github.com/xzyfer/sass-graph#readme>

A copy of the MIT license is included in Appendix A to this notice.

172. scss-tokenizer 0.2.3

Author: xzyfer

WWW: <https://github.com/sasstools/scss-tokenizer>

Copyright (c) 2015 sasstools

A copy of the MIT license is included in Appendix A to this notice.

173. semver 5.3.0

Author: Isaac Z. Schlueter and Contributors

WWW: <https://github.com/npm/node-semver#readme>

Copyright (c) Isaac Z. Schlueter and Contributors

A copy of the ISC license is included in Appendix A to this notice.

174. semver 5.7.0

Author: Isaac Z. Schlueter and Contributors

WWW: <https://github.com/npm/node-semver#readme>

Copyright (c) Isaac Z. Schlueter and Contributors

A copy of the ISC license is included in Appendix A to this notice.

175. set-blocking 2.0.0

Author: Ben Coe (ben@npmjs.com)

WWW: <https://github.com/yargs/set-blocking#readme>

Copyright (c) 2016, Contributors

A copy of the ISC license is included in Appendix A to this notice.

176. signal-exit 3.0.2

Author: Ben Coe (ben@npmjs.com)

WWW: <https://github.com/tapjs/signal-exit>

Copyright (c) 2015, Contributors

A copy of the ISC license is included in Appendix A to this notice.

177. slickgrid 2.4.5

Author: Michael Leibman (michael.leibman@gmail.com)
Ben McIntyre (email.ben.mcintyre@gmail.com)

WWW: <https://github.com/6pac/SlickGrid#readme>

Copyright (c) 2009-2016 Michael Leibman, <http://github.com/mleibman/slickgrid>

A copy of the MIT license is included in Appendix A to this notice.

178. source-map 0.4.4

Author: Nick Fitzgerald (nfitzgerald@mozilla.com)
Tobias Koppers (tobias.koppers@googlemail.com)
Duncan Beevers (duncan@dweebd.com)
Stephen Crane (scrane@mozilla.com)
Ryan Seddon (seddon.ryan@gmail.com)
Miles Elam (miles.elam@deem.com)
Mihai Bazon (mihai.bazon@gmail.com)
Michael Ficarra (github.public.email@michael.ficarra.me)
Todd Wolfson (todd@twolfson.com)
Alexander Solovyov (alexander@solovyov.net)
Felix Gnass (fgnass@gmail.com)
Conrad Irwin (conrad.irwin@gmail.com)
usrbincc (usrbincc@yahoo.com)
David Glasser (glasser@davidglasser.net)
Chase Douglas (chase@newrelic.com)
Evan Wallace (evan.exe@gmail.com)
Heather Arthur (fayearthur@gmail.com)
Hugh Kennedy (hughskennedy@gmail.com)
David Glasser (glasser@davidglasser.net)
Simon Lydell (simon.lydell@gmail.com)
Jmeas Smith (jellyes2@gmail.com)
Michael Z Goddard (mzgoddard@gmail.com)
azu (azu@users.noreply.github.com)
John Gozde (john@gozde.ca)
Adam Kirkton (akirkton@truefitinnovation.com)
Chris Montgomery (christopher.montgomery@dowjones.com)
J. Ryan Stinnett (jryans@gmail.com)
Jack Herrington (jherrington@walmartlabs.com)
Chris Truter (jeffpalentine@gmail.com)
Daniel Espeset (daniel@danielespeset.com)
Jamie Wong (jamie.lf.wong@gmail.com)
Eddy Bruël (ejpbruel@mozilla.com)
Hawken Rives (hawkrives@gmail.com)
Gilad Peleg (giladp007@gmail.com)

WWW: <https://github.com/mozilla/source-map>

Copyright (c) 2009-2011, Mozilla Foundation and contributors
All rights reserved.

A copy of the BSD 3-Clause license is included in Appendix A to this notice.

179. spdx-correct 3.1.0

Author: Kyle E. Mitchell (kyle@kemitchell.com)
Kyle E. Mitchell (kyle@kemitchell.com)
Christian Zommerfelds (aero_super@yahoo.com)
Tal Einat (taleinat@gmail.com)
Dan Butvinik (butvinik@outlook.com)

WWW: <https://github.com/jslicense/spdx-correct.js#readme>

A copy of the Apache 2.0 license is included in Appendix A to this notice.

180. [spdx-exceptions 2.2.0](#)

Author: The Linux Foundation
Kyle E. Mitchell (kyle@kemitchell.com)

WWW: <https://github.com/kemitchell/spdx-exceptions.json#readme>

Copyright © 2010-2015 Linux Foundation and its Contributors.

A copy of the CC0 Attribution 3.0 license is included in Appendix A of this notice.

181. [spdx-expression-parse 3.0.0](#)

Author: Kyle E. Mitchell (kyle@kemitchell.com)
C. Scott Ananian (cscott@cscott.net)
Kyle E. Mitchell (kyle@kemitchell.com)
Shinnosuke Watanabe (snnskwtnb@gmail.com)
Antoine Motet (antoine.motet@gmail.com)

WWW: <https://github.com/jslicense/spdx-expression-parse.js#readme>

Copyright (c) 2015 Kyle E. Mitchell & other authors listed in AUTHORS

A copy of the MIT license is included in Appendix A to this notice.

182. [spdx-license-ids 3.0.3](#)

Author: Shinnosuke Watanabe

WWW: <https://github.com/shinnn/spdx-license-ids#readme>

A copy of the CC0 1.0 license is included in Appendix A to this notice.

183. [sshpk 1.16.1](#)

Author: Joyent, Inc
Dave Eddy (dave@daveeddy.com)
Mark Cavage (mcavage@gmail.com)
Alex Wilson (alex@cooperi.net)

WWW: <https://github.com/arekinath/node-sshpk#readme>

Copyright Joyent, Inc. All rights reserved.

A copy of the MIT license is included in Appendix A to this notice.

184. [stdout-stream 1.4.1](#)

Author: Mathias Buus

WWW: <https://github.com/mafintosh/stdout-stream#readme>

Copyright 2013 Mathias Buus

A copy of the MIT license is included in Appendix A to this notice.

185. [string_decoder 1.1.1](#)

Author: Node.js contributors
Joyent, Inc. and other Node contributors

WWW: https://github.com/nodejs/string_decoder

Node.js is licensed for use as follows:

""

Copyright Node.js contributors. 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.

""

This license applies to parts of Node.js originating from the <https://github.com/joyent/node> repository:

""

Copyright Joyent, Inc. and other Node contributors. 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.

""

186. [string-width 1.0.2](#)

Author: Sindre Sorhus (sindresorhus@gmail.com)

WWW: <https://github.com/sindresorhus/string-width#readme>

Copyright (c) Sindre Sorhus <sindresorhus@gmail.com> (sindresorhus.com)

A copy of the MIT license is included in Appendix A to this notice.

187. [strip-ansi 3.0.1](#)

Author: Sindre Sorhus (sindresorhus@gmail.com)

WWW: <https://github.com/chalk/strip-ansi>

Copyright (c) Sindre Sorhus <sindresorhus@gmail.com> (sindresorhus.com)

A copy of the MIT license is included in Appendix A to this notice.

188. strip-bom 2.0.0

Author: Sindre Sorhus (sindresorhus@gmail.com)

WWW: <https://github.com/sindresorhus/strip-bom>

Copyright (c) Sindre Sorhus <sindresorhus@gmail.com> (sindresorhus.com)

A copy of the MIT license is included in Appendix A to this notice.

189. strip-indent 1.0.1

Author: Sindre Sorhus (sindresorhus@gmail.com)

WWW: <https://github.com/sindresorhus/strip-indent>

Copyright (c) Sindre Sorhus <sindresorhus@gmail.com> (sindresorhus.com)

A copy of the MIT license is included in Appendix A to this notice.

190. supports-color 2.0.0

Author: Sindre Sorhus (sindresorhus@gmail.com)

WWW: <https://github.com/chalk/supports-color>

Copyright (c) Sindre Sorhus <sindresorhus@gmail.com> (sindresorhus.com)

A copy of the MIT license is included in Appendix A to this notice.

191. System.IdentityModel.Tokens.Jwt 4.0.4.403061554

Author: Microsoft Corporation

Copyright (c) Microsoft Corporation. All rights reserved.

'MIT License' license can be found in the Common Licenses section.

192. tar 2.2.1

Author: Isaac Z. Schlueter (i@izs.me)

WWW: <https://github.com/isaacs/node-tar#readme>

Copyright (c) Isaac Z. Schlueter and Contributors

A copy of the ISC license is included in Appendix A to this notice.

193. tough-cookie 2.4.3

Author: Jeremy Stashewsky (jstash@gmail.com)

Alexander Savin

Ian Livingstone

Ivan Nikulin

Lalit Kapoor

Sam Thompson

Sebastian Mayr

WWW: <https://github.com/salesforce/tough-cookie>

Copyright (c) 2015, Salesforce.com, Inc.

A copy of the BSD 3-Clause license is included in Appendix A to this notice.

194. trim-newlines 1.0.0

Author: Sindre Sorhus (sindresorhus@gmail.com)

WWW: <https://github.com/sindresorhus/trim-newlines>

Copyright (c) Sindre Sorhus <sindresorhus@gmail.com> (sindresorhus.com)

A copy of the MIT license is included in Appendix A to this notice.

195. true-case-path 1.0.3

Author: barsh

Michael Klement (mklement0@gmail.com)

WWW: <https://github.com/barsh/true-case-path#readme>

A copy of the Apache 2.0 license is included in Appendix A to this notice.

196. tslib 1.9.3

Author: Microsoft Corp.

WWW: <http://typescriptlang.org/>

Copyright (c) Microsoft Corporation. All rights reserved.

A copy of the Apache 2.0 license is included in Appendix A to this notice.

197. tunnel-agent 0.6.0

Author: Mikeal Rogers (mikeal.rogers@gmail.com)

WWW: <https://github.com/mikeal/tunnel-agent#readme>

A copy of the Apache 2.0 license is included in Appendix A to this notice.

198. tweetnacl 0.14.5

Author: AndSDev

Devi Mandiri

Dmitry Chestnykh

WWW: <https://tweetnacl.js.org>

This is free and unencumbered software released into the public domain.

Anyone is free to copy, modify, publish, use, compile, sell, or distribute this software, either in source code form or as a compiled binary, for any purpose, commercial or non-commercial, and by any means.

In jurisdictions that recognize copyright laws, the author or authors of this software dedicate any and all copyright interest in the software to the public domain. We make this dedication for the benefit of the public at large and to the detriment of our heirs and successors. We intend this dedication to be an overt act of relinquishment in perpetuity of all present and future rights to this software under copyright law.

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 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.

For more information, please refer to <<http://unlicense.org>>

199. uri-js 4.2.2

Author: Gary Court (gary.court@gmail.com)

WWW: <https://github.com/garycourt/uri-js>

Copyright 2011 Gary Court. All rights reserved.

A copy of the BSD 2-Clause license is included in Appendix A to this notice.

200. util-deprecate 1.0.2

Author: Nathan Rajlich (nathan@tootallnate.net)

WWW: <https://github.com/TooTallNate/util-deprecate>

Copyright (c) 2014 Nathan Rajlich <nathan@tootallnate.net>

A copy of the MIT license is included in Appendix A to this notice.

201. uuid 3.3.2

Author: Robert Kieffer (robert@broofa.com)

Christoph Tavan (dev@tavan.de)

AJ O'Neal (coolaj86@gmail.com)

Vincent Voyer (vincent@zeroload.net)

Roman Shtylman (shtylman@gmail.com)

WWW: <https://github.com/kelektiv/node-uuid#readme>

Copyright (c) 2010-2016 Robert Kieffer and other contributors

A copy of the MIT license is included in Appendix A to this notice.

202. validate-npm-package-license 3.0.4

Author: Kyle E. Mitchell (kyle@kemitchell.com)

Mark Stacey (markjstacey@gmail.com)

WWW: <https://github.com/kemitchell/validate-npm-package-license.js#readme>

A copy of the Apache 2.0 license is included in Appendix A to this notice.

203. verror 1.10.0

Author: Joyent, Inc.

WWW: <https://github.com/davepacheco/node-verror>

Copyright (c) 2016, Joyent, Inc. All rights reserved.

A copy of the MIT license is included in Appendix A to this notice.

204. Visual C++ Runtime Files- Distributable Code Files for Visual Studio 2017

The following section is the "REDIST list" that is referenced in the "Distributable Code" section of the Microsoft Software License Terms for Visual Studio Enterprise 2017, Visual Studio Professional 2017, Visual Studio

Community 2017 ("the software"). If you have a validly licensed copy of such software, you may copy and distribute with your program the unmodified form of the files listed below, subject to the License Terms for the software.

Visual C++ Runtime Files

Subject to the License Terms for the software, you may copy and distribute the following files, unmodified, as a part of the installation package of your program:

- * [Program Files (x86)]\Common Files\Merge Modules\
 - o Microsoft_VC140_CRT_[arch].msm
 - o Microsoft_VC140_CXXAMP_[arch].msm
 - o Microsoft_VC140_MFC_[arch].msm
 - o Microsoft_VC140_MFCLOC_[arch].msm
 - o Microsoft_VC140_OpenMP_[arch].msm

Subject to the License Terms for the software, you may copy and distribute with your program any of the files within the following folder and its subfolders except as noted below. You may not modify these files.

- * [VisualStudioFolder]\VC\redist
- * You may not distribute the contents of the following folders:
 - o [VisualStudioFolder]VC\Redist\MSVC\[version]\debug_nonredist
 - o [VisualStudioFolder]VC\Redist\MSVC\[version]\debug_nonredist
 - o [VisualStudioFolder]\VC\Redist\MSVC\[version]\onecore\debug_nonredist

Subject to the License Terms for the software, you may copy and distribute the following files with your program in your program's application local folder or by deploying them into the Global Assembly Cache (GAC):

- * [VisualStudioFolder]\VC\Tools\MSVC\[version]\atlmfc\lib\[arch]\mfcmifc80.dll

205. which 1.3.1

Author: Isaac Z. Schlueter (i@izs.me)

WWW: <https://github.com/isaacs/node-which#readme>

Copyright (c) Isaac Z. Schlueter and Contributors

A copy of the ISC license is included in Appendix A to this notice.

206. which-module 1.0.0

Author: nexdrew

WWW: <https://github.com/nexdrew/which-module#readme>

Copyright (c) 2016, Contributors

A copy of the ISC license is included in Appendix A to this notice.

207. wide-align 1.1.3

Author: Rebecca Turner (me@re-becca.org)

WWW: <https://github.com/iarna/wide-align#readme>

Copyright (c) 2015, Rebecca Turner <me@re-becca.org>

A copy of the ISC license is included in Appendix A to this notice.

208. wrap-ansi 2.1.0

Author: Sindre Sorhus (sindresorhus@gmail.com)

WWW: <https://github.com/chalk/wrap-ansi#readme>

Copyright (c) Sindre Sorhus <sindresorhus@gmail.com> (sindresorhus.com)

A copy of the MIT license is included in Appendix A to this notice.

209. wrappy 1.0.2

Author: Isaac Z. Schlueter (i@izs.me)

WWW: <https://github.com/npm/wrappy>

Copyright (c) Isaac Z. Schlueter and Contributors

A copy of the ISC license is included in Appendix A to this notice.

210. xhr2 0.1.4

Author: Victor Costan (victor@costan.us)

Daniel Friedman (dfriedman58@gmail.com)

Francois-Xavier Kowalski (francois-xavier.kowalski@hp.com)

WWW: <https://github.com/pwnall/node-xhr2>

Copyright (c) 2013 Victor Costan

A copy of the MIT license is included in Appendix A to this notice.

211. y18n 3.2.1

Author: Ben Coe (ben@npmjs.com)

WWW: <https://github.com/yargs/y18n>

Copyright (c) 2015, Contributors

A copy of the ISC license is included in Appendix A to this notice.

212. yallist 2.1.2

Author: Isaac Z. Schlueter (i@izs.me)

WWW: <https://github.com/isaacs/yallist#readme>

Copyright (c) Isaac Z. Schlueter and Contributors

A copy of the ISC license is included in Appendix A to this notice.

213. yargs 7.1.0

Author: James Halliday and contributors

WWW: <http://yargs.js.org/>

Copyright 2010 James Halliday (mail@substack.net)

Modified work Copyright 2014 Contributors (ben@npmjs.com)

A copy of the MIT license is included in Appendix A to this notice.

214. yargs-parser 5.0.0

Author: Ben Coe (ben@npmjs.com)

WWW: <https://github.com/yargs/yargs-parser#readme>

Copyright (c) 2016, Contributors

A copy of the ISC license is included in Appendix A to this notice.

215. zone.js 0.8.29

Author: Brian Ford

WWW: <https://github.com/angular/zone.js#readme>

Copyright (c) 2016-2018 Google, Inc.

A copy of the MIT license is included in Appendix A to this notice.

APPENDIX A – COMMON OPEN SOURCE LICENSE

Apache License 2.0

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:

You must give any other recipients of the Work or Derivative Works a copy of this License; and

You must cause any modified files to carry prominent notices stating that You changed the files; and

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

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

BSD 2-Clause "Simplified" License

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.

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 HOLDER 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.

BSD 3-Clause License

Copyright (c) <year> <owner> . 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.
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 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 HOLDER 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.

CC0 1.0 Universal

Statement of Purpose

The laws of most jurisdictions throughout the world automatically confer exclusive Copyright and Related Rights (defined below) upon the creator and subsequent owner(s) (each and all, an "owner") of an original work of authorship and/or a database (each, a "Work").

Certain owners wish to permanently relinquish those rights to a Work for the purpose of contributing to a common of creative, cultural and scientific works ("Commons") that the public can reliably and without fear of later claims of infringement build upon, modify, incorporate in other works, reuse and redistribute as freely as possible in any form whatsoever and for any purposes, including without limitation commercial purposes. These owners may contribute to the Commons to promote the ideal of a free culture and the further production of creative, cultural and scientific works, or to gain reputation or greater distribution for their Work in part through the use and efforts of others.

For these and/or other purposes and motivations, and without any expectation of additional consideration or compensation, the person associating CC0 with a Work (the "Affirmer"), to the extent that he or she is an owner of Copyright and Related Rights in the Work, voluntarily elects to apply CC0 to the Work and publicly distribute the Work under its terms, with knowledge of his or her Copyright and Related Rights in the Work and the meaning and intended legal effect of CC0 on those rights.

1. Copyright and Related Rights. A Work made available under CC0 may be protected by copyright and related or neighboring rights ("Copyright and Related Rights"). Copyright and Related Rights include, but are not limited to, the following:

- i. the right to reproduce, adapt, distribute, perform, display, communicate, and translate a Work;
- ii. moral rights retained by the original author(s) and/or performer(s);
- iii. publicity and privacy rights pertaining to a person's image or likeness depicted in a Work;
- iv. rights protecting against unfair competition in regards to a Work, subject to the limitations in paragraph 4(a), below;
- v. rights protecting the extraction, dissemination, use and reuse of data in a Work;
- vi. database rights (such as those arising under Directive 96/9/EC of the European Parliament and of the Council of 11 March 1996 on the legal protection of databases, and under any national implementation thereof, including any amended or successor version of such directive); and
- vii. other similar, equivalent or corresponding rights throughout the world based on applicable law or treaty, and any national implementations thereof.

2. Waiver. To the greatest extent permitted by, but not in contravention of, applicable law, Affirmer hereby overtly, fully, permanently, irrevocably and unconditionally waives, abandons, and surrenders all of Affirmer's Copyright and Related Rights and associated claims and causes of action, whether now known or unknown (including existing as well as future claims and causes of action), in the Work (i) in all territories worldwide, (ii) for the maximum duration provided by applicable law or treaty (including future time extensions), (iii) in any current or future medium and for any number of copies, and (iv) for any purpose whatsoever, including without limitation commercial, advertising or promotional purposes (the "Waiver"). Affirmer makes the Waiver for the benefit of each member of the public at large and to the detriment of Affirmer's heirs and successors, fully intending that such Waiver shall not be subject to revocation, rescission, cancellation, termination, or any other legal or equitable action to disrupt the quiet enjoyment of the Work by the public as contemplated by Affirmer's express Statement of Purpose.

3. Public License Fallback. Should any part of the Waiver for any reason be judged legally invalid or ineffective under applicable law, then the Waiver shall be preserved to the maximum extent permitted taking into account Affirmer's express Statement of Purpose. In addition, to the extent the Waiver is so judged Affirmer hereby grants to each affected person a royalty-free, non transferable, non sublicensable, non exclusive, irrevocable and unconditional license to exercise Affirmer's Copyright and Related Rights in the Work (i) in all territories worldwide, (ii) for the maximum duration provided by applicable law or treaty (including future time extensions), (iii) in any current or future medium and for any number of copies, and (iv) for any purpose whatsoever, including without limitation commercial, advertising or promotional purposes (the "License"). The License shall be deemed effective as of the date CC0 was applied by Affirmer to the Work. Should any part of the License for any reason be judged legally invalid or ineffective under applicable law, such partial invalidity or ineffectiveness shall not invalidate the remainder of the License, and in such case Affirmer hereby affirms that he or she will not (i) exercise any of his or her remaining Copyright and Related Rights in the Work or (ii) assert any associated claims and causes of action with respect to the Work, in either case contrary to Affirmer's express Statement of Purpose.

4. Limitations and Disclaimers.

a. No trademark or patent rights held by Affirmer are waived, abandoned, surrendered, licensed or otherwise affected by this document.

b. Affirmer offers the Work as-is and makes no representations or warranties of any kind concerning the Work, express, implied, statutory or otherwise, including without limitation warranties of title, merchantability, fitness for a particular purpose, non infringement, or the absence of latent or other defects, accuracy, or the present or absence of errors, whether or not discoverable, all to the greatest extent permissible under applicable law.

c. Affirmer disclaims responsibility for clearing rights of other persons that may apply to the Work or any use thereof, including without limitation any person's Copyright and Related Rights in the Work. Further, Affirmer disclaims responsibility for obtaining any necessary consents, permissions or other rights required for any use of the Work.

d. Affirmer understands and acknowledges that Creative Commons is not a party to this document and has no duty or obligation with respect to this CC0 or use of the Work.

CC0 Attribution 3.0

CREATIVE COMMONS CORPORATION IS NOT A LAW FIRM AND DOES NOT PROVIDE LEGAL SERVICES. DISTRIBUTION OF THIS LICENSE DOES NOT CREATE AN ATTORNEY-CLIENT RELATIONSHIP. CREATIVE COMMONS PROVIDES THIS INFORMATION ON AN "AS-IS" BASIS. CREATIVE COMMONS MAKES NO WARRANTIES REGARDING THE INFORMATION PROVIDED, AND DISCLAIMS LIABILITY FOR DAMAGES RESULTING FROM ITS USE.

License

THE WORK (AS DEFINED BELOW) IS PROVIDED UNDER THE TERMS OF THIS CREATIVE COMMONS PUBLIC LICENSE ("CCPL" OR "LICENSE"). THE WORK IS PROTECTED BY COPYRIGHT AND/OR OTHER APPLICABLE LAW. ANY USE OF THE WORK OTHER THAN AS AUTHORIZED UNDER THIS LICENSE OR COPYRIGHT LAW IS PROHIBITED.

BY EXERCISING ANY RIGHTS TO THE WORK PROVIDED HERE, YOU ACCEPT AND AGREE TO BE BOUND BY THE TERMS OF THIS LICENSE. TO THE EXTENT THIS LICENSE MAY BE CONSIDERED TO BE A CONTRACT, THE LICENSOR GRANTS YOU THE RIGHTS CONTAINED HERE IN CONSIDERATION OF YOUR ACCEPTANCE OF SUCH TERMS AND CONDITIONS.

1. Definitions

"Adaptation" means a work based upon the Work, or upon the Work and other pre-existing works, such as a translation, adaptation, derivative work, arrangement of music or other alterations of a literary or artistic work, or phonogram or performance and includes cinematographic adaptations or any other form in which the Work may be recast, transformed, or adapted including in any form recognizably derived from the original, except that a work that constitutes a Collection will not be considered an Adaptation for the purpose of this License. For the avoidance of doubt, where the Work is a musical work, performance or phonogram, the synchronization of the Work in timed-relation with a moving image ("synching") will be considered an Adaptation for the purpose of this License.

"Collection" means a collection of literary or artistic works, such as encyclopedias and anthologies, or performances, phonograms or broadcasts, or other works or subject matter other than works listed in Section 1(f) below, which, by reason of the selection and arrangement of their contents, constitute intellectual creations, in which the Work is included in its entirety in unmodified form along with one or more other contributions, each constituting separate and independent works in themselves, which together are assembled into a collective whole. A work that constitutes a Collection will not be considered an Adaptation (as defined above) for the purposes of this License.

"Distribute" means to make available to the public the original and copies of the Work or Adaptation, as appropriate, through sale or other transfer of ownership.

"Licensor" means the individual, individuals, entity or entities that offer(s) the Work under the terms of this License.

"Original Author" means, in the case of a literary or artistic work, the individual, individuals, entity or entities who created the Work or if no individual or entity can be identified, the publisher; and in addition (i) in the case of a performance the actors, singers, musicians, dancers, and other persons who act, sing, deliver, declaim, play in, interpret or otherwise perform literary or artistic works or expressions of folklore; (ii) in the case of a phonogram the producer being the person or legal entity who first fixes the sounds of a performance or other sounds; and, (iii) in the case of broadcasts, the organization that transmits the broadcast.

"Work" means the literary and/or artistic work offered under the terms of this License including without limitation any production in the literary, scientific and artistic domain, whatever may be the mode or form of its expression including digital form, such as a book, pamphlet and other writing; a lecture, address, sermon or other work of the same nature; a dramatic or dramatico-musical work; a choreographic work or entertainment in dumb show; a musical composition with or without words; a cinematographic work to which are assimilated works expressed by a process analogous to cinematography; a work of drawing, painting, architecture, sculpture, engraving or lithography; a photographic work to which are assimilated works expressed by a process analogous to photography; a work of applied art; an illustration, map, plan, sketch or three-dimensional work relative to geography, topography, architecture or science; a performance; a broadcast; a phonogram; a compilation of data to the extent it is protected as a copyrightable work; or a work performed by a variety or circus performer to the extent it is not otherwise considered a literary or artistic work.

"You" means an individual or entity exercising rights under this License who has not previously violated the terms of this License with respect to the Work, or who has received express permission from the Licensor to exercise rights under this License despite a previous violation.

"Publicly Perform" means to perform public recitations of the Work and to communicate to the public those public recitations, by any means or process, including by wire or wireless means or public digital performances; to make available to the public Works in such a way that members of the public may access these Works from a place and at a place individually chosen by them; to perform the Work to the public by any means or process and the communication to the public of the performances of the Work, including by public digital performance; to broadcast and rebroadcast the Work by any means including signs, sounds or images.

"Reproduce" means to make copies of the Work by any means including without limitation by sound or visual recordings and the right of fixation and reproducing fixations of the Work, including storage of a protected performance or phonogram in digital form or other electronic medium.

2. Fair Dealing Rights. Nothing in this License is intended to reduce, limit, or restrict any uses free from copyright or rights arising from limitations or exceptions that are provided for in connection with the copyright protection under copyright law or other applicable laws.

3. License Grant. Subject to the terms and conditions of this License, Licensor hereby grants You a worldwide, royalty-free, non-exclusive, perpetual (for the duration of the applicable copyright) license to exercise the rights in the Work as stated below:

to Reproduce the Work, to incorporate the Work into one or more Collections, and to Reproduce the Work as incorporated in the Collections;

to create and Reproduce Adaptations provided that any such Adaptation, including any translation in any medium, takes reasonable steps to clearly label, demarcate or otherwise identify that changes were made to the original Work. For example, a translation could be marked "The original work was translated from English to Spanish," or a modification could indicate "The original work has been modified.";

to Distribute and Publicly Perform the Work including as incorporated in Collections; and,

to Distribute and Publicly Perform Adaptations.

For the avoidance of doubt:

Non-waivable Compulsory License Schemes. In those jurisdictions in which the right to collect royalties through any statutory or compulsory licensing scheme cannot be waived, the Licensor reserves the exclusive right to collect such royalties for any exercise by You of the rights granted under this License;

Waivable Compulsory License Schemes. In those jurisdictions in which the right to collect royalties through any statutory or compulsory licensing scheme can be waived, the Licensor waives the exclusive right to collect such royalties for any exercise by You of the rights granted under this License; and,

Voluntary License Schemes. The Licensor waives the right to collect royalties, whether individually or, in the event that the Licensor is a member of a collecting society that administers voluntary licensing schemes, via that society, from any exercise by You of the rights granted under this License.

The above rights may be exercised in all media and formats whether now known or hereafter devised. The above rights include the right to make such modifications as are technically necessary to exercise the rights in other media and formats. Subject to Section 8(f), all rights not expressly granted by Licensor are hereby reserved.

4. Restrictions. The license granted in Section 3 above is expressly made subject to and limited by the following restrictions:

You may Distribute or Publicly Perform the Work only under the terms of this License. You must include a copy of, or the Uniform Resource Identifier (URI) for, this License with every copy of the Work You Distribute or Publicly Perform. You may not offer or impose any terms on the Work that restrict the terms of this License or the ability of the recipient of the Work to exercise the rights granted to that recipient under the terms of the License. You may not sublicense the Work. You must keep intact all notices that refer to this License and to the disclaimer of warranties with every copy of the Work You Distribute or Publicly Perform. When You Distribute or Publicly Perform the Work, You may not impose any effective technological measures on the Work that restrict the ability of a recipient of the Work from You to exercise the rights granted to that recipient under the terms of the License. This Section 4(a) applies to the Work as incorporated in a Collection, but this does not require the Collection apart from the Work itself to be made subject to the terms of this License. If You create a Collection, upon notice from any Licensor You must, to the extent practicable, remove from the Collection any credit as required by Section 4(b), as requested. If You create an Adaptation, upon notice from any Licensor You must, to the extent practicable, remove from the Adaptation any credit as required by Section 4(b), as requested.

If You Distribute, or Publicly Perform the Work or any Adaptations or Collections, You must, unless a request has been made pursuant to Section 4(a), keep intact all copyright notices for the Work and provide, reasonable to the medium or means You are utilizing: (i) the name of the Original Author (or pseudonym, if applicable) if supplied, and/or if the Original Author and/or Licensor designate another party or parties (e.g., a sponsor institute, publishing entity, journal) for attribution ("Attribution Parties") in Licensor's copyright notice, terms of service or by other reasonable means, the name of such party or parties; (ii) the title of the Work if supplied; (iii) to the extent reasonably practicable, the URI, if any, that Licensor specifies to be associated with the Work, unless such URI does not refer to the copyright notice or licensing information for the Work; and (iv) , consistent with Section 3(b), in the case of an Adaptation, a credit identifying the use of the Work in the Adaptation (e.g., "French translation of the Work by Original Author," or "Screenplay based on original Work by Original Author"). The credit required by this Section 4 (b) may be implemented in any reasonable manner; provided, however, that in the case of a Adaptation or Collection, at a minimum such credit will appear, if a credit for all contributing authors of the Adaptation or Collection appears, then as part of these credits and in a manner at least as prominent as the credits for the other contributing authors. For the avoidance of doubt, You may only use the credit required by this Section for the purpose of attribution in the manner set out above and, by exercising Your rights under this License, You may not implicitly or explicitly assert or imply any connection with, sponsorship or endorsement by the Original Author, Licensor and/or Attribution Parties, as appropriate, of You or Your use of the Work, without the separate, express prior written permission of the Original Author, Licensor and/or Attribution Parties.

Except as otherwise agreed in writing by the Licensor or as may be otherwise permitted by applicable law, if You Reproduce, Distribute or Publicly Perform the Work either by itself or as part of any Adaptations or Collections, You must not distort, mutilate, modify or take other derogatory action in relation to the Work which would be prejudicial to the Original Author's honor or reputation. Licensor agrees that in those jurisdictions (e.g. Japan), in which any exercise of the right granted in Section 3(b) of this License (the right to make Adaptations) would be deemed to be a distortion, mutilation, modification or other derogatory action prejudicial to the Original Author's honor and reputation, the Licensor will waive or not assert, as appropriate, this Section, to the fullest extent permitted by the applicable national law, to enable You to reasonably exercise Your right under Section 3(b) of this License (right to make Adaptations) but not otherwise.

5. Representations, Warranties and Disclaimer

UNLESS OTHERWISE MUTUALLY AGREED TO BY THE PARTIES IN WRITING, LICENSOR OFFERS THE WORK AS-IS AND MAKES NO REPRESENTATIONS OR WARRANTIES OF ANY KIND CONCERNING THE WORK, EXPRESS, IMPLIED, STATUTORY OR OTHERWISE, INCLUDING, WITHOUT LIMITATION, WARRANTIES OF TITLE, MERCHANTABILITY, FITNESS FOR A PARTICULAR PURPOSE, NON-INFRINGEMENT, OR THE ABSENCE OF LATENT OR OTHER DEFECTS, ACCURACY, OR THE PRESENCE OF ABSENCE OF ERRORS, WHETHER OR NOT DISCOVERABLE. SOME JURISDICTIONS DO NOT ALLOW THE EXCLUSION OF IMPLIED WARRANTIES, SO SUCH EXCLUSION MAY NOT APPLY TO YOU.

6. Limitation on Liability. EXCEPT TO THE EXTENT REQUIRED BY APPLICABLE LAW, IN NO EVENT WILL LICENSOR BE LIABLE TO YOU ON ANY LEGAL THEORY FOR ANY SPECIAL, INCIDENTAL, CONSEQUENTIAL, PUNITIVE OR EXEMPLARY DAMAGES ARISING OUT OF THIS LICENSE OR THE USE OF THE WORK, EVEN IF LICENSOR HAS BEEN ADVISED OF THE POSSIBILITY OF SUCH DAMAGES.

7. Termination

This License and the rights granted hereunder will terminate automatically upon any breach by You of the terms of this License. Individuals or entities who have received Adaptations or Collections from You under this License, however, will not have their licenses terminated provided such individuals or entities remain in full compliance with those licenses. Sections 1, 2, 5, 6, 7, and 8 will survive any termination of this License.

Subject to the above terms and conditions, the license granted here is perpetual (for the duration of the applicable copyright in the Work). Notwithstanding the above, Licensor reserves the right to release the Work under different license terms or to stop distributing the Work at any time; provided, however that any such election will not serve to withdraw this License (or any other license that has been, or is required to be, granted under the terms of this License), and this License will continue in full force and effect unless terminated as stated above.

8. Miscellaneous

Each time You Distribute or Publicly Perform the Work or a Collection, the Licensor offers to the recipient a license to the Work on the same terms and conditions as the license granted to You under this License.

Each time You Distribute or Publicly Perform an Adaptation, Licensor offers to the recipient a license to the original Work on the same terms and conditions as the license granted to You under this License.

If any provision of this License is invalid or unenforceable under applicable law, it shall not affect the validity or enforceability of the remainder of the terms of this License, and without further action by the parties to this agreement, such provision shall be reformed to the minimum extent necessary to make such provision valid and enforceable.

No term or provision of this License shall be deemed waived and no breach consented to unless such waiver or consent shall be in writing and signed by the party to be charged with such waiver or consent.

This License constitutes the entire agreement between the parties with respect to the Work licensed here. There are no understandings, agreements or representations with respect to the Work not specified here. Licensor shall not be bound by any additional provisions that may appear in any communication from You. This License may not be modified without the mutual written agreement of the Licensor and You.

The rights granted under, and the subject matter referenced, in this License were drafted utilizing the terminology of the Berne Convention for the Protection of Literary and Artistic Works (as amended on September 28, 1979), the Rome Convention of 1961, the WIPO Copyright Treaty of 1996, the WIPO Performances and Phonograms Treaty of 1996 and the Universal Copyright Convention (as revised on July 24, 1971). These rights and subject matter take effect in the relevant jurisdiction in which the License terms are sought to be enforced according to the corresponding provisions of the implementation of those treaty provisions in the applicable national law. If the standard suite of rights granted under applicable copyright law includes additional rights not granted under this License, such additional rights are deemed to be included in the License; this License is not intended to restrict the license of any rights under applicable law.

ISC License

Permission to use, copy, modify, and/or 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" AND THE AUTHOR DISCLAIMS ALL WARRANTIES WITH REGARD TO THIS SOFTWARE INCLUDING ALL IMPLIED WARRANTIES OF MERCHANTABILITY AND FITNESS. IN NO EVENT SHALL THE AUTHOR BE LIABLE FOR ANY SPECIAL, DIRECT, INDIRECT, OR CONSEQUENTIAL DAMAGES OR ANY DAMAGES WHATSOEVER RESULTING FROM LOSS OF USE, DATA OR PROFITS, WHETHER IN AN ACTION OF CONTRACT, NEGLIGENCE OR OTHER TORTIOUS ACTION, ARISING OUT OF OR IN CONNECTION WITH THE USE OR PERFORMANCE OF THIS SOFTWARE.

Microsoft Public License

Microsoft Public License (Ms-PL)

This license governs use of the accompanying software. If you use the software, you accept this license. If you do not accept the license, do not use the software.

1. Definitions

The terms "reproduce," "reproduction," "derivative works," and "distribution" have the same meaning here as under U.S. copyright law. A "contribution" is the original software, or any additions or changes to the software. A "contributor" is any person that distributes its contribution under this license. "Licensed patents" are a contributor's patent claims that read directly on its contribution.

2. Grant of Rights

(A) Copyright Grant- Subject to the terms of this license, including the license conditions and limitations in section 3, each contributor grants you a non-exclusive, worldwide, royalty-free copyright license to reproduce its contribution, prepare derivative works of its contribution, and distribute its contribution or any derivative works that you create.

(B) Patent Grant- Subject to the terms of this license, including the license conditions and limitations in section 3, each contributor grants you a non-exclusive, worldwide, royalty-free license under its licensed patents to make, have made, use, sell, offer for sale, import, and/or otherwise dispose of its contribution in the software or derivative works of the contribution in the software.

3. Conditions and Limitations

(A) No Trademark License- This license does not grant you rights to use any contributors' name, logo, or trademarks.

(B) If you bring a patent claim against any contributor over patents that you claim are infringed by the software, your patent license from such contributor to the software ends automatically.

(C) If you distribute any portion of the software, you must retain all copyright, patent, trademark, and attribution notices that are present in the software.

(D) If you distribute any portion of the software in source code form, you may do so only under this license by including a complete copy of this license with your distribution. If you distribute any portion of the software in compiled or object code form, you may only do so under a license that complies with this license.

(E) The software is licensed "as-is." You bear the risk of using it. The contributors give no express warranties, guarantees, or conditions. You may have additional consumer rights under your local laws which this license cannot change. To the extent permitted under your local laws, the contributors exclude the implied warranties of merchantability, fitness for a particular purpose and non-infringement.

MIT License

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.