

Utroff Ugrind

Troff preprocessor which highlight source code

(Beta version : user interface may change)

| | | | |
|----------------------------------|---|----------------------------------|----|
| Ugrind readme | 2 | Original BSD License | 9 |
| Ugrind manual | 3 | Common Development and | |
| Changes of ugrind | 6 | Distribution License Version 1.0 | 10 |
| Two clause BSD License | 8 | Tables | 16 |

Ugrind readme

Presentation

Ugrind is a pre-processor for troff which highlight source code. It is a hack of *vfontedpr*, the utility used by the mostly forgotten *vgrind* script.

Build and install

To build and install, edit the file `config.mk` from the root directory, and run :

```
| make install
```

In some circumstances, you might need utroff tools themselves to build the manual pages. In that case, build and install binaries before manual pages like this :

```
| make installbin  
| make installman
```

You can uninstall files and clean the working directory :

```
| make uninstall  
| make clean
```

For a more complete description of the build process, look at the README in the root directory.

License

Ugrind and its man page are distributed under the original BSD license¹. The code which highlight troff language, written from scratch, is distributed under a two clause BSD license². The language description file (`ugrindefs`) is distributed under the CDDL 1.0 license³.

Help and bugs

Don't hesitate to ask questions at `help at utroff dot org`. Please, send bugs and patches at `help at utroff dot org`.

¹ See p. 9.

² See p. 8.

³ See p. 10.

Ugrind manual

Name

ugrind – troff preprocessor which highlight source code

Synopsis

@BINDIR@/ugrind [-**d** *file*] [-**h** *header*] [-**l** *language*] [-**t** *size*] *name* ...

Description

Ugrind insert string definition in files to highlight the source code they contain. *Ugrind* runs in two basic modes : regular mode or whole file mode.

- In regular mode, *ugrind* only highlight code which is between the **vs** and **vE** macros. The language is specified by the first argument of the **vs** macro.
- In whole file mode, *ugrind* highlight the whole file. The language is specified by the **-l** argument.

The options are :

- d** Specifies an alternate language definitions file (default is @LIBDIR@/ugrinddefs).
- h** Specify a header string. The header will be printed as argument of the **.vH** macro.
- l** Enter whole file mode, and pecifies the language to use.
- t** Specify a nondefault tab size (default is 4).

Currently, known languages are C (**-lc**), C++ (**-lc++**), CSH (**-lcsh**), FORTRAN (**-lfortran**), ICON (**-li**), ISP (**-lisp**), LDL (**-ldl**), LISP LIKE (**-lm**), MODEL (**-lm**), MODULA2 (**-lmod2**), PASCAL (**-lp**), POSTXML (**-lpostxml**), RATFOR (**-lr**), RUSSEL (**lrussell**), SHELL (**-lsh**), TROFF (**-ltr**), XML (**-lxml**), and YACC (**-lyacc**),

Programming style

Ugrind assumes that a certain programming style is followed :

C and C++

Functions names can be preceded on a line only by spaces, tabs, or an asterisk. The parenthesized arguments must also be on the same line.

PASCAL

Function names need to appear on the same line as the keywords *fuctions* or *procedure*.

MODEL

Function names need to appear on the same line as the keywords *is beginproc*.

TROFF

Between **.vs** and **.vE** macros in regular mode, and in the whole file in whole file mode, *ugrind* will take care to escape all the commands, macros, strings and number register that could be interpreted by troff. That means that to highlight troff source code, one juste has to write the code as is. That also means that it is not possible to insert formatting commands inside the code that has to be highlighted.

More generally, arbitrary formatting styles for programs mostly look bad. The use of spaces to align source code fails miserably ; if you plan to *ugrind* your program you should use tabs. This is somewhat inevitable since the font used by *ugrind* is variable width.

Macros and strings

To highlight code, *ugrind* insert strings in the file, and use some macros, so, to format the output of *ugrind* with *troff*, the following strings and macros must be defined by your macro file.

Macros

- vS In regular mode, start a code block to highlight. The first argument define the language. See the `-l` option to get the list of supported languages.
- vE In regular mode, end a code block to highlight.
- vF In whole file mode, start a new file. The first argument is the name of the file.
- vH The header defined by the `-h` option is defined as argument of this macro.
- vO Indicate that a function begins on the next line. The first argument is the function name.
- vC Indicate that a function gets closed on the previous line.

Strings

- +C Begin a comment,
- C End a comment,
- +K Begin a keyword,
- K End a keyword,
- +S Begin a string,
- S End a string,
- +V Begin a variable,
- V End a variable,
- e a slash (\),
- a turet (-),
- _ a bottom turet (_).

History

Ugrind is a hack of *vfontedpr* (that probably means *visual-font-edit-print*), which is the preprocessor used by the mostly forgotten *vgrind* script, which aims to visually "grind nice listing of programs" with *troff*. The code that *vfontedpr* use to read the language description file is "stolen almost totally from *termcap*". *Vgrind* and *vfontedpr* have been written by Dave Presotto and William Joy, for 4.3BSD-Tahoe. They have been modified by Gunnar Ritter as part of the *Heirloom documentation tools*.

License

Ugrind and its man page are distributed under the original BSD¹ license. The code which highlight *troff* language, written from scratch, is distributed under a two clause BSD² license. The language description file (*@LIBDIR@/ugrindefs*) is distributed under the CDDL 1.0³ License.

Files

- @BINDIR@/ugrind* preprocessor
- @LIBDIR@/ugrindefs* language descriptions

See also

troff(1)

Help and bugs

Don't hesitate to ask questions at help at utroff dot org. Please, send bugs and patches at help at

¹ See p. 9.

³ See p. 10.

² See p. 8.

utroff dot org.

Authors

Written by Dave PRESOTTO and William JOY. Modified by Gunnar RITTER and Pierre-Jean FICHET.

Changes of ugrind

2014/03/12 14 :29 :56 VERSION-0.15

- version.c : troff files : fix link to license.

2013/10/30 20 :29 :48 VERSION-0.14

- troff files : fix link to license.

2013/10/30 16 :35 :09 VERSION-0.13

- makefile : FIX : scripts are in BIN variables. Files to strip are in STR variable.

2013/10/30 16 :33 :47 VERSION-0.12

- makefile : FIX : scripts are in BIN variables. Files to strip are in STR variable.

2013/10/30 15 :07 :56 VERSION-0.11

- makefile : Use new build system.

2013/04/10 16 :01 :19 VERSION-0.10

- Troff language : print "" instead of "." if macro begins by "".

2013/04/07 17 :40 :27 VERSION-0.9

- makefile : s/ROOT/DESTDIR/g (bug report by Seb).

2013/04/05 10 :22 :33 VERSION-0.8

- Troff language : Bugfix, close properly "\n" and "\".

2013/03/24 17 :29 :19 VERSION-0.7

- Use new name : Ugrind.

2013/03/22 11 :09 :37 VERSION-0.6

- ADD : makefile.

2013/03/22 11 :07 :57 VERSION-0.5

- ADD : hardcoded support for troff language.
- FIX : -l option force whole file mode.

2013/03/22 11 :04 :26 VERSION-0.4

- FIX : filter mode is now default.
- DEL : two column mode, font size, and index options are deleted, and hardcoded typographic tricks, since that the job of the macro to handle this.
- FIX : tabstop is 4 by default.
- ADD : The format of the grindex file is now documented, in comments of the file.
- ADD : make, postxml, xml, refer and idx languages are added to grindex file.

2013/03/22 11 :02 :20 VERSION-0.3

- FIX : Files are renamed : Vfontedpr is now grind, vgrindex is now grindex, vgrindex.c is now grindex.c.
 - FIX : Grind now makes a difference between begin and end of a match, and so, colorize code more precisely.
-

- FIX : in gridefs, \p now behaves less strangely.

2013/03/22 11 :00 :53 VERSION-0.2

- ADD : Portions copyright and new RCS Id.

2013/03/22 10 :58 :52 VERSION-0.1

- Initial revision.
-

Two clause BSD License

Copyright (c) 2012-2014

Pierre-Jean Fichet. All rights reserved.

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

1. Redistributions of source code must retain the above copyright notice, this list of conditions and the following disclaimer.
2. Redistributions in binary form must reproduce the above copyright notice, this list of conditions and the following disclaimer in the documentation and/or other materials provided with the distribution.

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

Original BSD License

Copyright (c) 1980, 1993

The Regents of the University of California. 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. All advertising materials mentioning features or use of this software must display the following acknowledgement : This product includes software developed by the University of California, Berkeley and its contributors.
4. Neither the name of the University nor the names of its contributors may be used to endorse or promote products derived from this software without specific prior written permission.

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

Common Development and Distribution License Version 1.0

1. Definitions

1.1.

"Contributor" means each individual or entity that creates or contributes to the creation of Modifications.

1.2.

"Contributor Version" means the combination of the Original Software, prior Modifications used by a Contributor (if any), and the Modifications made by that particular Contributor.

1.3.

"Covered Software" means (a) the Original Software, or (b) Modifications, or (c) the combination of files containing Original Software with files containing Modifications, in each case including portions thereof.

1.4.

"Executable" means the Covered Software in any form other than Source Code.

1.5.

"Initial Developer" means the individual or entity that first makes Original Software available under this License.

1.6.

"Larger Work" means a work which combines Covered Software or portions thereof with code not governed by the terms of this License.

1.7.

"License" means this document.

1.8.

"Licensable" means having the right to grant, to the maximum extent possible, whether at the time of the initial grant or subsequently acquired, any and all of the rights conveyed herein.

1.9.

"Modifications" means the Source Code and Executable form of any of the following :

- A. Any file that results from an addition to, deletion from or modification of the contents of a file containing Original Software or previous Modifications ;
- B. Any new file that contains any part of the Original Software or previous Modifications ;
or
- C. Any new file that is contributed or otherwise made available under the terms of this License.

1.10.

"Original Software" means the Source Code and Executable form of computer software code that is originally released under this License.

1.11.

"Patent Claims" means any patent claim(s), now owned or hereafter acquired, including without limitation, method, process, and apparatus claims, in any patent Licensable by grantor.

1.12.

"Source Code" means (a) the common form of computer software code in which modifications are made and (b) associated documentation included in or with such code.

1.13.

"You" (or "Your") 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 which 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.**2.1. The Initial Developer Grant.**

Conditioned upon Your compliance with Section 3.1 below and subject to third party intellectual property claims, the Initial Developer hereby grants You a world-wide, royalty-free, non-exclusive license :

- (a) under intellectual property rights (other than patent or trademark) Licensable by Initial Developer, to use, reproduce, modify, display, perform, sublicense and distribute the Original Software (or portions thereof), with or without Modifications, and/or as part of a Larger Work ; and
- (b) under Patent Claims infringed by the making, using or selling of Original Software, to make, have made, use, practice, sell, and offer for sale, and/or otherwise dispose of the Original Software (or portions thereof).
- (c) The licenses granted in Sections 2.1(a) and (b) are effective on the date Initial Developer first distributes or otherwise makes the Original Software available to a third party under the terms of this License.
- (d) Notwithstanding Section 2.1(b) above, no patent license is granted : (1) for code that You delete from the Original Software, or (2) for infringements caused by : (i) the modification of the Original Software, or (ii) the combination of the Original Software with other software or devices.

2.2. Contributor Grant.

Conditioned upon Your compliance with Section 3.1 below and subject to third party intellectual property claims, each Contributor hereby grants You a world-wide, royalty-free, non-exclusive license :

- (a) under intellectual property rights (other than patent or trademark) Licensable by Contributor to use, reproduce, modify, display, perform, sublicense and distribute the Modifications created by such Contributor (or portions thereof), either on an unmodified basis, with other Modifications, as Covered Software and/or as part of a Larger Work ; and
- (b) under Patent Claims infringed by the making, using, or selling of Modifications made by that Contributor either alone and/or in combination with its Contributor Version (or portions of such combination), to make, use, sell, offer for sale, have made, and/or otherwise dispose of : (1) Modifications made by that Contributor (or portions thereof) ; and (2) the combination of Modifications made by that Contributor with its Contributor Version (or portions of such combination).
- (c) The licenses granted in Sections 2.2(a) and 2.2(b) are effective on the date Contributor first distributes or otherwise makes the Modifications available to a third party.
- (d) Notwithstanding Section 2.2(b) above, no patent license is granted : (1) for any code that Contributor has deleted from the Contributor Version ; (2) for infringements caused by :

(i) third party modifications of Contributor Version, or (ii) the combination of Modifications made by that Contributor with other software (except as part of the Contributor Version) or other devices; or (3) under Patent Claims infringed by Covered Software in the absence of Modifications made by that Contributor.

3. Distribution Obligations.

3.1. Availability of Source Code.

Any Covered Software that You distribute or otherwise make available in Executable form must also be made available in Source Code form and that Source Code form must be distributed only under the terms of this License. You must include a copy of this License with every copy of the Source Code form of the Covered Software You distribute or otherwise make available. You must inform recipients of any such Covered Software in Executable form as to how they can obtain such Covered Software in Source Code form in a reasonable manner on or through a medium customarily used for software exchange.

3.2. Modifications.

The Modifications that You create or to which You contribute are governed by the terms of this License. You represent that You believe Your Modifications are Your original creation(s) and/or You have sufficient rights to grant the rights conveyed by this License.

3.3. Required Notices.

You must include a notice in each of Your Modifications that identifies You as the Contributor of the Modification. You may not remove or alter any copyright, patent or trademark notices contained within the Covered Software, or any notices of licensing or any descriptive text giving attribution to any Contributor or the Initial Developer.

3.4. Application of Additional Terms.

You may not offer or impose any terms on any Covered Software in Source Code form that alters or restricts the applicable version of this License or the recipients' rights hereunder. 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 the Initial Developer or 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 the Initial Developer and every Contributor for any liability incurred by the Initial Developer or such Contributor as a result of warranty, support, indemnity or liability terms You offer.

3.5. Distribution of Executable Versions.

You may distribute the Executable form of the Covered Software under the terms of this License or under the terms of a license of Your choice, which may contain terms different from this License, provided that You are in compliance with the terms of this License and that the license for the Executable form does not attempt to limit or alter the recipient's rights in the Source Code form from the rights set forth in this License. If You distribute the Covered Software in Executable form under a different license, You must make it absolutely clear that any terms which differ from this License are offered by You alone, not by the Initial Developer or Contributor. You hereby agree to indemnify the Initial Developer and every Contributor for any liability incurred by the Initial Developer or such Contributor as a result of any such terms You offer.

3.6. Larger Works.

You may create a Larger Work by combining Covered Software with other code not governed by the terms of this License and distribute the Larger Work as a single product. In such a case, You must make sure the requirements of this License are fulfilled for the Covered Software.

4. Versions of the License.

4.1. New Versions.

Sun Microsystems, Inc. is the initial license steward and may publish revised and/or new versions of this License from time to time. Each version will be given a distinguishing version number. Except as provided in Section 4.3, no one other than the license steward has the right to modify this License.

4.2. Effect of New Versions.

You may always continue to use, distribute or otherwise make the Covered Software available under the terms of the version of the License under which You originally received the Covered Software. If the Initial Developer includes a notice in the Original Software prohibiting it from being distributed or otherwise made available under any subsequent version of the License, You must distribute and make the Covered Software available under the terms of the version of the License under which You originally received the Covered Software. Otherwise, You may also choose to use, distribute or otherwise make the Covered Software available under the terms of any subsequent version of the License published by the license steward.

4.3. Modified Versions.

When You are an Initial Developer and You want to create a new license for Your Original Software, You may create and use a modified version of this License if You : (a) rename the license and remove any references to the name of the license steward (except to note that the license differs from this License); and (b) otherwise make it clear that the license contains terms which differ from this License.

5. Disclaimer of Warranty.

COVERED SOFTWARE IS PROVIDED UNDER THIS LICENSE ON AN "AS IS" BASIS, WITHOUT WARRANTY OF ANY KIND, EITHER EXPRESSED OR IMPLIED, INCLUDING, WITHOUT LIMITATION, WARRANTIES THAT THE COVERED SOFTWARE IS FREE OF DEFECTS, MERCHANTABILITY, FIT FOR A PARTICULAR PURPOSE OR NON-INFRINGEMENT. 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 THE INITIAL DEVELOPER OR ANY OTHER 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 HEREUNDER EXCEPT UNDER THIS DISCLAIMER.

6. Termination.

6.1.

This License and the rights granted hereunder will terminate automatically if You fail to comply with terms herein and fail to cure such breach within 30 days of becoming aware of the breach. Provisions which, by their nature, must remain in effect beyond the termination of this License shall survive.

6.2.

If You assert a patent infringement claim (excluding declaratory judgment actions) against Initial Developer or a Contributor (the Initial Developer or Contributor against whom You assert such claim is referred to as "Participant") alleging that the Participant Software (meaning the Contributor Version where the Participant is a Contributor or the Original Software where the Participant is the Initial Developer) directly or indirectly infringes any patent, then any and all rights granted directly or indirectly to You by such Participant, the Initial Developer (if the Initial Developer is not the Participant) and all Contributors under Sections 2.1 and/or 2.2 of this License shall, upon 60 days notice from Participant terminate prospectively and automatically at the expiration of such 60 day notice period, unless if within such 60 day period You withdraw Your claim with respect to the Participant Software against such Participant either unilaterally or pursuant to a written agreement with Participant.

6.3.

In the event of termination under Sections 6.1 or 6.2 above, all end user licenses that have been validly granted by You or any distributor hereunder prior to termination (excluding licenses granted to You by any distributor) shall survive termination.

7. *Limitation of Liability.*

UNDER NO CIRCUMSTANCES AND UNDER NO LEGAL THEORY, WHETHER TORT (INCLUDING NEGLIGENCE), CONTRACT, OR OTHERWISE, SHALL YOU, THE INITIAL DEVELOPER, ANY OTHER CONTRIBUTOR, OR ANY DISTRIBUTOR OF COVERED SOFTWARE, OR ANY SUPPLIER OF ANY OF SUCH PARTIES, BE LIABLE TO ANY PERSON FOR ANY 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. *U.S. Government End Users.*

The Covered Software is a "commercial item," as that term is defined in 48 C.F.R. 2.101 (Oct. 1995), consisting of "commercial computer software" (as that term is defined at 48 C.F.R. 252.227-7014(a)(1)) and "commercial computer software documentation" as such terms are used in 48 C.F.R. 12.212 (Sept. 1995). Consistent with 48 C.F.R. 12.212 and 48 C.F.R. 227.7202-1 through 227.7202-4 (June 1995), all U.S. Government End Users acquire Covered Software with only those rights set forth herein. This U.S. Government Rights clause is in lieu of, and supersedes, any other FAR, DFAR, or other clause or provision that addresses Government rights in computer software under this License.

9. *Miscellaneous.*

This License represents the complete agreement concerning 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. This License shall be governed by the law of the jurisdiction specified in a notice contained within the Original Software (except to the extent applicable law, if any, provides otherwise), excluding such jurisdiction's conflict-of-law provisions. Any litigation relating to this License shall be subject to the jurisdiction of the courts located in the jurisdiction and venue specified in a notice contained within the Original Software, with the losing party responsible for costs, including, without limitation, court costs and reasonable attorneys' fees and expenses. The application of the United Nations Convention on Contracts for the International Sale of Goods is expressly excluded. Any law or regulation which provides that the language of a contract shall be construed against the drafter shall not apply to this License. You agree that You alone are responsible for compliance with the United States export administration regulations (and the export control laws and regulation of any other countries) when You use, distribute or otherwise make available any Covered Software.

10. *Responsibility for Claims.*

As between Initial Developer and the Contributors, each party is responsible for claims and damages arising, directly or indirectly, out of its utilization of rights under this License and You agree to work with Initial Developer and Contributors to distribute such responsibility on an equitable basis. Nothing herein is intended or shall be deemed to constitute any admission of liability.

Notice Pursuant to Section 9 of the Common Development and Distribution License (CDDL)

For Covered Software in this distribution, this License shall be governed by the laws of the State of California (excluding conflict-of-law provisions).

Any litigation relating to this License shall be subject to the jurisdiction of the Federal Courts of the Northern District of California and the state courts of the State of California, with venue lying in Santa Clara County, California.

Tables

Table of content

| | |
|---|----|
| Utroff Ugrind | 1 |
| Ugrind readme | 2 |
| Presentation | 2 |
| Build and install | 2 |
| License | 2 |
| Help and bugs | 2 |
| Ugrind manual | 3 |
| Name | 3 |
| Synopsis | 3 |
| Description | 3 |
| Programming style | 3 |
| Macros and strings | 4 |
| Macros | 4 |
| Strings | 4 |
| History | 4 |
| License | 4 |
| Files | 4 |
| See also | 4 |
| Help and bugs | 4 |
| Authors | 5 |
| Changes of ugrind | 6 |
| 2014/03/12 14 :29 :56 VERSION-0.15 | 6 |
| 2013/10/30 20 :29 :48 VERSION-0.14 | 6 |
| 2013/10/30 16 :35 :09 VERSION-0.13 | 6 |
| 2013/10/30 16 :33 :47 VERSION-0.12 | 6 |
| 2013/10/30 15 :07 :56 VERSION-0.11 | 6 |
| 2013/04/10 16 :01 :19 VERSION-0.10 | 6 |
| 2013/04/07 17 :40 :27 VERSION-0.9 | 6 |
| 2013/04/05 10 :22 :33 VERSION-0.8 | 6 |
| 2013/03/24 17 :29 :19 VERSION-0.7 | 6 |
| 2013/03/22 11 :09 :37 VERSION-0.6 | 6 |
| 2013/03/22 11 :07 :57 VERSION-0.5 | 6 |
| 2013/03/22 11 :04 :26 VERSION-0.4 | 6 |
| 2013/03/22 11 :02 :20 VERSION-0.3 | 6 |
| 2013/03/22 11 :00 :53 VERSION-0.2 | 7 |
| 2013/03/22 10 :58 :52 VERSION-0.1 | 7 |
| Two clause BSD License | 8 |
| Original BSD License | 9 |
| Common Development and Distribution License Version 1.0 | 10 |
| 1. Definitions | 10 |
| 1.1. | 10 |
| 1.2. | 10 |
| 1.3. | 10 |
| 1.4. | 10 |
| 1.5. | 10 |
| 1.6. | 10 |

| | |
|--|----|
| 1.7. | 10 |
| 1.8. | 10 |
| 1.9. | 10 |
| 1.10. | 10 |
| 1.11. | 11 |
| 1.12. | 11 |
| 1.13. | 11 |
| 2. License Grants. | 11 |
| 2.1. The Initial Developer Grant. | 11 |
| 2.2. Contributor Grant. | 11 |
| 3. Distribution Obligations. | 12 |
| 3.1. Availability of Source Code. | 12 |
| 3.2. Modifications. | 12 |
| 3.3. Required Notices. | 12 |
| 3.4. Application of Additional Terms. | 12 |
| 3.5. Distribution of Executable Versions. | 12 |
| 3.6. Larger Works. | 12 |
| 4. Versions of the License. | 12 |
| 4.1. New Versions. | 13 |
| 4.2. Effect of New Versions. | 13 |
| 4.3. Modified Versions. | 13 |
| 5. Disclaimer of Warranty. | 13 |
| 6. Termination. | 13 |
| 6.1. | 13 |
| 6.2. | 13 |
| 6.3. | 14 |
| 7. Limitation of Liability. | 14 |
| 8. U.S. Government End Users. | 14 |
| 9. Miscellaneous. | 14 |
| 10. Responsibility for Claims. | 14 |
| Notice Pursuant to Section 9 of the Common Development and Distribution License (CDDL) | 15 |
| Tables | 16 |
| Table of content | 16 |
