**OPEN SOURCE SOFTWARE NOTICE**

Please note we provide an open source software notice along with this product and/or this product firmware (in the following just “this product”). The open source software licenses are granted by the respective right holders. And the open source licenses prevail all other license information with regard to the respective open source software contained in the product, including but not limited to End User Software Licensing Agreement. This notice is provided on behalf of Huawei Technologies Co. Ltd. and any of its local subsidiaries which may have provided this product to you in your local country.

**Warranty Disclaimer**

**The open source software in this product 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 applicable licenses for more details.**

**Copyright Notice and License Texts**

**Software:** groovy18 1.8.9

**Copyright notice:**

Copyright 2007-2009 the original author or authors.  
Copyright (c) 2000-2005 INRIA, France Telecom All rights reserved.  
Copyright 2003-2013 The Codehaus. http:groovy.codehaus.org  
Copyright 2004-2009 Brent Fulgham All rights reserved.  
Copyright (c) 2003-2012 The Codehaus. All rights reserved.  
Copyright 2007-2011 the original author or authors.  
Copyright 2003-2013 the original author or authors.  
Copyright 2005 John G. Wilson  
Copyright 2003-2011 The respective authors and developers Developers and Contributors are listed in the project POM file and Gradle build file  
Copyright 2008-2013 the original author or authors.  
Copyright 2003-2010 the original author or authors.  
Copyright 2003-2011 the original author or authors.  
Copyright 2003 (C) James Strachan and Bob Mcwhirter. All Rights Reserved.  
Copyright 2008 the original author or authors.  
Copyright (c) 2003, ThoughtWorks, Inc.  
Copyright 2006 Sun Microsystems, Inc. All rights reserved.  
Copyright 2007-2012 the original author or authors.  
Copyright 2004-2007 the original author or authors.  
Copyright (c) 2005 The Codehaus - [http://groovy.codehaus.org](http://groovy.codehaus.org/)  
Copyright 2008-2012 the original author or authors.  
Copyright 2008-9 Russel Winder  
Copyright (C) 2006-2007 the original author or authors.  
Copyright 2008-2010 the original author or authors.  
Copyright (C) 2003-2007 the original author or authors.  
Copyright 2005 Jeremy Rayner  
Copyright 2009 the original author or authors.  
Copyright 2011 the original author or authors.  
Copyright 2007-2008 the original author or authors.  
Copyright 2007-2013 the original author or authors.  
Copyright (c) 2007 James P. White  
Copyright 2003-2008 the original author or authors.  
Copyright 2004-2005 the original author or authors.  
Copyright 2007 the original author or authors.  
Copyright 2003-2009 the original author or authors.  
Copyright (c) 2004 IBM Corporation and others.  
Copyright 2003-2012 the original author or authors.  
Copyright 2007 Jeremy Rayner  
Copyright (c) 2001, ThoughtWorks, Inc.  
Copyright 2008-2009 the original author or authors.  
Copyright 2003-2007 the original author or authors.  
Copyright 2008-2011 the original author or authors.

**License:** ASL 2.0 and BSD and EPL and Public Domain and CC-BY

Apache License  
 Version 2.0, January 2004  
 <http://www.apache.org/licenses/>  
  
 TERMS AND CONDITIONS FOR USE, REPRODUCTION, AND DISTRIBUTION  
  
 1. Definitions.  
  
 "License" shall mean the terms and conditions for use, reproduction,  
 and distribution as defined by Sections 1 through 9 of this document.  
  
 "Licensor" shall mean the copyright owner or entity authorized by  
 the copyright owner that is granting the License.  
  
 "Legal Entity" shall mean the union of the acting entity and all  
 other entities that control, are controlled by, or are under common  
 control with that entity. For the purposes of this definition,  
 "control" means (i) the power, direct or indirect, to cause the  
 direction or management of such entity, whether by contract or  
 otherwise, or (ii) ownership of fifty percent (50%) or more of the  
 outstanding shares, or (iii) beneficial ownership of such entity.  
  
 "You" (or "Your") shall mean an individual or Legal Entity  
 exercising permissions granted by this License.  
  
 "Source" form shall mean the preferred form for making modifications,  
 including but not limited to software source code, documentation  
 source, and configuration files.  
  
 "Object" form shall mean any form resulting from mechanical  
 transformation or translation of a Source form, including but  
 not limited to compiled object code, generated documentation,  
 and conversions to other media types.  
  
 "Work" shall mean the work of authorship, whether in Source or  
 Object form, made available under the License, as indicated by a  
 copyright notice that is included in or attached to the work  
 (an example is provided in the Appendix below).  
  
 "Derivative Works" shall mean any work, whether in Source or Object  
 form, that is based on (or derived from) the Work and for which the  
 editorial revisions, annotations, elaborations, or other modifications  
 represent, as a whole, an original work of authorship. For the purposes  
 of this License, Derivative Works shall not include works that remain  
 separable from, or merely link (or bind by name) to the interfaces of,  
 the Work and Derivative Works thereof.  
  
 "Contribution" shall mean any work of authorship, including  
 the original version of the Work and any modifications or additions  
 to that Work or Derivative Works thereof, that is intentionally  
 submitted to Licensor for inclusion in the Work by the copyright owner  
 or by an individual or Legal Entity authorized to submit on behalf of  
 the copyright owner. For the purposes of this definition, "submitted"  
 means any form of electronic, verbal, or written communication sent  
 to the Licensor or its representatives, including but not limited to  
 communication on electronic mailing lists, source code control systems,  
 and issue tracking systems that are managed by, or on behalf of, the  
 Licensor for the purpose of discussing and improving the Work, but  
 excluding communication that is conspicuously marked or otherwise  
 designated in writing by the copyright owner as "Not a Contribution."  
  
 "Contributor" shall mean Licensor and any individual or Legal Entity  
 on behalf of whom a Contribution has been received by Licensor and  
 subsequently incorporated within the Work.  
  
 2. Grant of Copyright License. Subject to the terms and conditions of  
 this License, each Contributor hereby grants to You a perpetual,  
 worldwide, non-exclusive, no-charge, royalty-free, irrevocable  
 copyright license to reproduce, prepare Derivative Works of,  
 publicly display, publicly perform, sublicense, and distribute the  
 Work and such Derivative Works in Source or Object form.  
  
 3. Grant of Patent License. Subject to the terms and conditions of  
 this License, each Contributor hereby grants to You a perpetual,  
 worldwide, non-exclusive, no-charge, royalty-free, irrevocable  
 (except as stated in this section) patent license to make, have made,  
 use, offer to sell, sell, import, and otherwise transfer the Work,  
 where such license applies only to those patent claims licensable  
 by such Contributor that are necessarily infringed by their  
 Contribution(s) alone or by combination of their Contribution(s)  
 with the Work to which such Contribution(s) was submitted. If You  
 institute patent litigation against any entity (including a  
 cross-claim or counterclaim in a lawsuit) alleging that the Work  
 or a Contribution incorporated within the Work constitutes direct  
 or contributory patent infringement, then any patent licenses  
 granted to You under this License for that Work shall terminate  
 as of the date such litigation is filed.  
  
 4. Redistribution. You may reproduce and distribute copies of the  
 Work or Derivative Works thereof in any medium, with or without  
 modifications, and in Source or Object form, provided that You  
 meet the following conditions:  
  
 (a) You must give any other recipients of the Work or  
 Derivative Works a copy of this License; and  
  
 (b) You must cause any modified files to carry prominent notices  
 stating that You changed the files; and  
  
 (c) You must retain, in the Source form of any Derivative Works  
 that You distribute, all copyright, patent, trademark, and  
 attribution notices from the Source form of the Work,  
 excluding those notices that do not pertain to any part of  
 the Derivative Works; and  
  
 (d) If the Work includes a "NOTICE" text file as part of its  
 distribution, then any Derivative Works that You distribute must  
 include a readable copy of the attribution notices contained  
 within such NOTICE file, excluding those notices that do not  
 pertain to any part of the Derivative Works, in at least one  
 of the following places: within a NOTICE text file distributed  
 as part of the Derivative Works; within the Source form or  
 documentation, if provided along with the Derivative Works; or,  
 within a display generated by the Derivative Works, if and  
 wherever such third-party notices normally appear. The contents  
 of the NOTICE file are for informational purposes only and  
 do not modify the License. You may add Your own attribution  
 notices within Derivative Works that You distribute, alongside  
 or as an addendum to the NOTICE text from the Work, provided  
 that such additional attribution notices cannot be construed  
 as modifying the License.  
  
 You may add Your own copyright statement to Your modifications and  
 may provide additional or different license terms and conditions  
 for use, reproduction, or distribution of Your modifications, or  
 for any such Derivative Works as a whole, provided Your use,  
 reproduction, and distribution of the Work otherwise complies with  
 the conditions stated in this License.  
  
 5. Submission of Contributions. Unless You explicitly state otherwise,  
 any Contribution intentionally submitted for inclusion in the Work  
 by You to the Licensor shall be under the terms and conditions of  
 this License, without any additional terms or conditions.  
 Notwithstanding the above, nothing herein shall supersede or modify  
 the terms of any separate license agreement you may have executed  
 with Licensor regarding such Contributions.  
  
 6. Trademarks. This License does not grant permission to use the trade  
 names, trademarks, service marks, or product names of the Licensor,  
 except as required for reasonable and customary use in describing the  
 origin of the Work and reproducing the content of the NOTICE file.  
  
 7. Disclaimer of Warranty. Unless required by applicable law or  
 agreed to in writing, Licensor provides the Work (and each  
 Contributor provides its Contributions) on an "AS IS" BASIS,  
 WITHOUT WARRANTIES OR CONDITIONS OF ANY KIND, either express or  
 implied, including, without limitation, any warranties or conditions  
 of TITLE, NON-INFRINGEMENT, MERCHANTABILITY, or FITNESS FOR A  
 PARTICULAR PURPOSE. You are solely responsible for determining the  
 appropriateness of using or redistributing the Work and assume any  
 risks associated with Your exercise of permissions under this License.  
  
 8. Limitation of Liability. In no event and under no legal theory,  
 whether in tort (including negligence), contract, or otherwise,  
 unless required by applicable law (such as deliberate and grossly  
 negligent acts) or agreed to in writing, shall any Contributor be  
 liable to You for damages, including any direct, indirect, special,  
 incidental, or consequential damages of any character arising as a  
 result of this License or out of the use or inability to use the  
 Work (including but not limited to damages for loss of goodwill,  
 work stoppage, computer failure or malfunction, or any and all  
 other commercial damages or losses), even if such Contributor  
 has been advised of the possibility of such damages.  
  
 9. Accepting Warranty or Additional Liability. While redistributing  
 the Work or Derivative Works thereof, You may choose to offer,  
 and charge a fee for, acceptance of support, warranty, indemnity,  
 or other liability obligations and/or rights consistent with this  
 License. However, in accepting such obligations, You may act only  
 on Your own behalf and on Your sole responsibility, not on behalf  
 of any other Contributor, and only if You agree to indemnify,  
 defend, and hold each Contributor harmless for any liability  
 incurred by, or claims asserted against, such Contributor by reason  
 of your accepting any such warranty or additional liability.  
  
 END OF TERMS AND CONDITIONS  
  
 APPENDIX: How to apply the Apache License to your work.  
  
 To apply the Apache License to your work, attach the following  
 boilerplate notice, with the fields enclosed by brackets "[]"  
 replaced with your own identifying information. (Don't include  
 the brackets!) The text should be enclosed in the appropriate  
 comment syntax for the file format. We also recommend that a  
 file or class name and description of purpose be included on the  
 same "printed page" as the copyright notice for easier  
 identification within third-party archives.  
  
 Copyright [yyyy] [name of copyright owner]  
  
 Licensed under the Apache License, Version 2.0 (the "License");  
 you may not use this file except in compliance with the License.  
 You may obtain a copy of the License at  
  
 <http://www.apache.org/licenses/LICENSE-2.0>  
  
 Unless required by applicable law or agreed to in writing, software  
 distributed under the License is distributed on an "AS IS" BASIS,  
 WITHOUT WARRANTIES OR CONDITIONS OF ANY KIND, either express or implied.  
 See the License for the specific language governing permissions and  
 limitations under the License.  
  
BSD Zero Clause License  
Copyright (C) 2006 by Rob Landley <rob@landley.net>  
  
Permission to use, copy, modify, and/or distribute this software for any purpose with or without fee is hereby granted.  
  
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.  
  
  
  
  
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.  
  
Creative Commons Attribution 1.0  
  
CREATIVE COMMONS CORPORATION IS NOT A LAW FIRM AND DOES NOT PROVIDE LEGAL SERVICES. DISTRIBUTION OF THIS DRAFT 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 IS PROHIBITED.  
  
BY EXERCISING ANY RIGHTS TO THE WORK PROVIDED HERE, YOU ACCEPT AND AGREE TO BE BOUND BY THE TERMS OF THIS LICENSE. THE LICENSOR GRANTS YOU THE RIGHTS CONTAINED HERE IN CONSIDERATION OF YOUR ACCEPTANCE OF SUCH TERMS AND CONDITIONS.  
  
1. Definitions  
a. "Collective Work" means a work, such as a periodical issue, anthology or encyclopedia, in which the Work in its entirety in unmodified form, along with a number of other contributions, constituting separate and independent works in themselves, are assembled into a collective whole. A work that constitutes a Collective Work will not be considered a Derivative Work (as defined below) for the purposes of this License.  
b. "Derivative Work" means a work based upon the Work or upon the Work and other pre-existing works, such as a translation, musical arrangement, dramatization, fictionalization, motion picture version, sound recording, art reproduction, abridgment, condensation, or any other form in which the Work may be recast, transformed, or adapted, except that a work that constitutes a Collective Work will not be considered a Derivative Work for the purpose of this License.  
c. "Licensor" means the individual or entity that offers the Work under the terms of this License.  
d. "Original Author" means the individual or entity who created the Work.  
e. "Work" means the copyrightable work of authorship offered under the terms of this License.  
f. "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.  
2. Fair Use Rights. Nothing in this license is intended to reduce, limit, or restrict any rights arising from fair use, first sale or other limitations on the exclusive rights of the copyright owner 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:  
a. to reproduce the Work, to incorporate the Work into one or more Collective Works, and to reproduce the Work as incorporated in the Collective Works;  
b. to create and reproduce Derivative Works;  
c. to distribute copies or phonorecords of, display publicly, perform publicly, and perform publicly by means of a digital audio transmission the Work including as incorporated in Collective Works;  
d. to distribute copies or phonorecords of, display publicly, perform publicly, and perform publicly by means of a digital audio transmission Derivative Works;  
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. 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:  
a. You may distribute, publicly display, publicly perform, or publicly digitally perform the Work only under the terms of this License, and You must include a copy of, or the Uniform Resource Identifier for, this License with every copy or phonorecord of the Work You distribute, publicly display, publicly perform, or publicly digitally perform. You may not offer or impose any terms on the Work that alter or restrict the terms of this License or the recipients' exercise of the rights granted hereunder. You may not sublicense the Work. You must keep intact all notices that refer to this License and to the disclaimer of warranties. You may not distribute, publicly display, publicly perform, or publicly digitally perform the Work with any technological measures that control access or use of the Work in a manner inconsistent with the terms of this License Agreement. The above applies to the Work as incorporated in a Collective Work, but this does not require the Collective Work apart from the Work itself to be made subject to the terms of this License. If You create a Collective Work, upon notice from any Licensor You must, to the extent practicable, remove from the Collective Work any reference to such Licensor or the Original Author, as requested. If You create a Derivative Work, upon notice from any Licensor You must, to the extent practicable, remove from the Derivative Work any reference to such Licensor or the Original Author, as requested.  
b. If you distribute, publicly display, publicly perform, or publicly digitally perform the Work or any Derivative Works or Collective Works, You must keep intact all copyright notices for the Work and give the Original Author credit reasonable to the medium or means You are utilizing by conveying the name (or pseudonym if applicable) of the Original Author if supplied; the title of the Work if supplied; in the case of a Derivative Work, a credit identifying the use of the Work in the Derivative Work (e.g., "French translation of the Work by Original Author," or "Screenplay based on original Work by Original Author"). Such credit may be implemented in any reasonable manner; provided, however, that in the case of a Derivative Work or Collective Work, at a minimum such credit will appear where any other comparable authorship credit appears and in a manner at least as prominent as such other comparable authorship credit.  
5. Representations, Warranties and Disclaimer  
a. By offering the Work for public release under this License, Licensor represents and warrants that, to the best of Licensor's knowledge after reasonable inquiry:  
i. Licensor has secured all rights in the Work necessary to grant the license rights hereunder and to permit the lawful exercise of the rights granted hereunder without You having any obligation to pay any royalties, compulsory license fees, residuals or any other payments;  
ii. The Work does not infringe the copyright, trademark, publicity rights, common law rights or any other right of any third party or constitute defamation, invasion of privacy or other tortious injury to any third party.  
b. EXCEPT AS EXPRESSLY STATED IN THIS LICENSE OR OTHERWISE AGREED IN WRITING OR REQUIRED BY APPLICABLE LAW, THE WORK IS LICENSED ON AN "AS IS" BASIS, WITHOUT WARRANTIES OF ANY KIND, EITHER EXPRESS OR IMPLIED INCLUDING, WITHOUT LIMITATION, ANY WARRANTIES REGARDING THE CONTENTS OR ACCURACY OF THE WORK.  
6. Limitation on Liability. EXCEPT TO THE EXTENT REQUIRED BY APPLICABLE LAW, AND EXCEPT FOR DAMAGES ARISING FROM LIABILITY TO A THIRD PARTY RESULTING FROM BREACH OF THE WARRANTIES IN SECTION 5, 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  
a. 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 Derivative Works or Collective Works 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.  
b. 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  
a. Each time You distribute or publicly digitally perform the Work or a Collective Work, 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.  
b. Each time You distribute or publicly digitally perform a Derivative Work, 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.  
c. 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.  
d. 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.  
e. 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.  
Creative Commons is not a party to this License, and makes no warranty whatsoever in connection with the Work. Creative Commons will not be liable to You or any party on any legal theory for any damages whatsoever, including without limitation any general, special, incidental or consequential damages arising in connection to this license. Notwithstanding the foregoing two (2) sentences, if Creative Commons has expressly identified itself as the Licensor hereunder, it shall have all rights and obligations of Licensor.  
  
Except for the limited purpose of indicating to the public that the Work is licensed under the CCPL, neither party will use the trademark "Creative Commons" or any related trademark or logo of Creative Commons without the prior written consent of Creative Commons. Any permitted use will be in compliance with Creative Commons' then-current trademark usage guidelines, as may be published on its website or otherwise made available upon request from time to time.  
  
Creative Commons may be contacted at <http://creativecommons.org/>.