**OPEN SOURCE SOFTWARE NOTICE**

The open source software notice for the open source software used in this openEuler distribution (“openEuler distribution”) is provided in this document. The open source software licenses are granted by the respective right holders. With regard to the respective open source software contained in the openEuler distribution, the applicable open source software license will prevail all other license agreement, including but not limited to the openEuler Software License, in case of any conflicts.

**Warranty Disclaimer**

**THE OPEN SOURCE SOFTWARE IN THIS OPENEULER DISTRIBUTION IS PROVIDED ON AN "AS IS" BASIS, WITHOUT ANY WARRANTY OF ANY KIND, EITHER EXPRESS OR IMPLIED, INCLUDING BUT NOT LIMITED TO NON-INFRINGEMENT, MERCHANTABILITY OR FITNESS FOR A PARTICULAR PURPOSE.  
See the applicable licenses for more details.**

**Copyright Notice and License Texts**

**Software:** tidb 4.0.14

**Copyright notice:**

Copyright 2013 Google Inc.  
Copyright 2019 Dominik Honnef. All rights reserved.  
Copyright 2019 Google LLC  
Copyright (c) 2016 Yasuhiro Matsumoto  
Copyright 2017 PingCAP, Inc.  
Copyright (c) 2016 The OpenTracing Authors  
Copyright (c) 2019 The Jaeger Authors.  
Copyright 2009 The Go Authors. All rights reserved.  
Copyright (c) 2012 The Go Authors. All rights reserved.  
Copyright (c) 2013 the go authors, licensed under the bsd 3-clause license.  
Copyright (c) 2016, The GoGo Authors. All rights reserved.  
Copyright 2019 The Go Authors. All rights reserved.  
Copyright 2012 Suryandaru Triandana <syndtr@gmail.com>  
Copyright 2017 Prometheus Team Licensed under the Apache License, Version 2.0 (the License);  
Copyright 2018 The Prometheus Authors Licensed under the Apache License, Version 2.0 (the License);  
Copyright (c) 2016 Dominik Honnef. All rights reserved.  
Copyright (c) 2012 Joel Stemmer  
Copyright 2016 CoreOS, Inc.  
Copyright (c) 2013-2017 Yasuhiro Matsumoto, <mattn.jp@gmail.com>  
Copyright 2019 Dgraph Labs, Inc. and Contributors  
Copyright (c) 2018 The Jaeger Authors.  
Copyright 2014 Alan Shreve  
Copyright (c) 2016 Uber Technologies, Inc.  
Copyright 2013, Google Inc. All rights reserved.  
Copyright (c) 2012 Dave Grijalva  
Copyright 2012, Google Inc. All rights reserved.  
Copyright (c) 2014 Dmitry Vyukov. All rights reserved.  
Copyright (c) 2015, Dave Cheney <dave@cheney.net>  
Copyright 2012, Google Inc.  
Copyright 2018 The Go Authors. All rights reserved.  
Copyright (c) 2017 Uber Technologies, Inc.  
Copyright 2014 Google Inc.  
Copyright 2015 James Saryerwinnie  
Copyright (c) 2015- Klaus Post & Contributors.  
Copyright 2019 The Go-MySQL-Driver Authors. All rights reserved.  
Copyright 2017 The Gorilla WebSocket Authors. All rights reserved.  
Copyright (c) 2015 Dmitri Shuralyov  
Copyright (c) 2014-2017 Damian Gryski  
Copyright 2015 The Go Authors. All rights reserved.  
Copyright 2016 The Gorilla WebSocket Authors. All rights reserved. Use of this source code is governed by a BSD-style license that can be found in the LICENSE file.  
Copyright (c) 2010-2013 Gustavo Niemeyer <gustavo@niemeyer.net>  
Copyright 2017 Michal Witkowski. All Rights Reserved.  
Copyright (c) 2013 Joshua Tacoma. All rights reserved.  
Copyright (c) 2012-2015, Sergey Cherepanov All rights reserved.  
Copyright (c) 2017 marvin + konsorten GmbH (open-source@konsorten.de)  
Copyright 2011-2016 Canonical Ltd.  
Copyright 2017 The Go Authors. All rights reserved.  
Copyright 2009 The Go Authors. All rights reserved.  
Copyright 2017 Roger Luethi  
Copyright (c) Uber Technologies, Inc.  
Copyright (c) 2018 The Go Authors. All rights reserved.  
Copyright (c) 2013 VividCortex  
Copyright 2018, Google Inc.  
Copyright 2016 The Prometheus Authors Licensed under the Apache License, Version 2.0 (the License);  
Copyright (c) 2005-2008 Dustin Sallings <dustin@spy.net>  
Copyright 2018 Google Inc. All rights reserved.  
Copyright (c) 2018 The mathutil Authors. All rights reserved.  
Copyright (c) 2015 canonical ltd. unless otherwise specified in the file.  
Copyright (c) 2014 The sortutil Authors. All rights reserved.  
Copyright 2014 The sortutil Authors. All rights reserved.  
Copyright 2020 PingCAP, Inc.  
Copyright 2012 The Go Authors. All rights reserved.  
Copyright (c) 2017, Daniel Jacques All rights reserved.  
Copyright (c) 2013 The Go Authors. All rights reserved.  
Copyright (c) 2018 marvin + konsorten GmbH (open-source@konsorten.de)  
Copyright 2013 The Gorilla WebSocket Authors. All rights reserved.  
Copyright (c) 2014, Suryandaru Triandana <syndtr@gmail.com>  
Copyright (c) 2015, Gengo, Inc.  
Copyright (c) 2014 Sam Ghods  
Copyright (c) 2014 The strutil Authors. All rights reserved.  
Copyright 2020 The LevelDB-Go and Pebble Authors. All rights reserved. Use of this source code is governed by a BSD-style license that can be found in the LICENSE file.  
Copyright 2017 by Dan Jacques. All rights reserved.  
Copyright (c) 2014 Nate Finch  
Copyright (c) 2006 Kirill Simonov  
Copyright 2015 The Prometheus Authors  
Copyright (c) 2009 The Go Authors. All rights reserved.  
Copyright (c) 2018 Ma124, <github.com/Ma124>  
Copyright 2010 The Go Authors See source code for license details.  
Copyright (c) 2016-2017 Uber Technologies, Inc.  
Copyright 2014, Google Inc. All rights reserved.  
Copyright 2013 The Go-MySQL-Driver Authors. All rights reserved.  
Copyright 2017 Google LLC  
Copyright 2014-2015 The Prometheus Authors  
Copyright (c) 2017 The Jaeger Authors.  
Copyright 2012 The Gorilla Authors. All rights reserved.  
Copyright (c) 2015 Ian Coleman  
Copyright 2017 TiKV Project Authors.  
Copyright 2015 Amazon.com, Inc. or its affiliates. All Rights Reserved.  
Copyright 2016 The Go Authors. All rights reserved.  
Copyright 2014-2015 Stripe, Inc.  
Copyright (c) 2014-2015 Sourcegraph, Inc.  
Copyright 2020 Dgraph Labs, Inc. and Contributors  
Copyright 2016 Google Inc. All Rights Reserved.  
Copyright (c) 2014 Andreas Briese, eduToolbox@Bri-C GmbH, Sarstedt  
Copyright 2014 The ql Authors. All rights reserved.  
Copyright (c) 2016-2017 Nicola Asuni - Tecnick.com  
Copyright (c) 2013 Stack Exchange  
Copyright (c) 2019 Uber Technologies, Inc.  
Copyright (c) 2017-2018 Uber Technologies, Inc.  
Copyright 2013 Matt T. Proud  
Copyright (c) 2014 The mathutil Authors. All rights reserved.  
Copyright (c) 2012-2018 The Gorilla Authors. All rights reserved.  
Copyright 2016 The Gorilla WebSocket Authors. All rights reserved.  
Copyright (c) 2013 VividCortex, Inc. All rights reserved.  
Copyright 2016 Google LLC  
Copyright (c) 2014 Simon Eskildsen  
Copyright 2013 The Go Authors. All rights reserved.  
Copyright 2018 The Go Authors. All rights reserved.  
Copyright 2019 The Gorilla WebSocket Authors. All rights reserved.  
Copyright (c) 2011 Google Inc. All rights reserved.  
Copyright 2018 TiKV Project Authors.  
Copyright 2016 The Go-MySQL-Driver Authors. All rights reserved.  
Copyright (c) 2014, WAKAYAMA Shirou All rights reserved.  
Copyright 2013-2015 CoreOS, Inc.  
Copyright 2012 Matt T. Proud (matt.proud@gmail.com)  
Copyright (c) 2014 Dropbox, Inc.  
Copyright 2017 The Prometheus Authors Licensed under the Apache License, Version 2.0 (the License);  
Copyright 2014 Prometheus Team Licensed under the Apache License, Version 2.0 (the License);  
Copyright 2016 The CMux Authors. All rights reserved.  
Copyright 2015 The Go Authors. All rights reserved.  
Copyright 2013-2015 Blake Mizerany, Björn Rabenstein  
Copyright (c) 2013, The GoGo Authors. All rights reserved.  
Copyright (c) 2013 Blake Mizerany  
Copyright (c) 2018, The GoGo Authors. All rights reserved.  
Copyright 2014 The Go-MySQL-Driver Authors. All rights reserved.  
Copyright 2016 The Go Authors. All rights reserved.  
Copyright (c) 2013, Suryandaru Triandana <syndtr@gmail.com>  
Copyright 2013, Sébastien Paolacci.  
Copyright (c) 2016 Bas van Beek  
Copyright 2011 The Snappy-Go Authors. All rights reserved.  
Copyright 2010 The Go Authors. All rights reserved.  
Copyright 2018 gRPC authors.  
Copyright (c) Yasuhiro MATSUMOTO <mattn.jp@gmail.com>  
Copyright 2017 The Go-MySQL-Driver Authors. All rights reserved.  
Copyright 2014 Google Inc. All Rights Reserved.  
Copyright 2011 The LevelDB-Go Authors. All rights reserved.  
Copyright 2013 The Prometheus Authors Licensed under the Apache License, Version 2.0 (the License);  
Copyright (c) 2015 Xiang Li  
Copyright 2015 PingCAP, Inc.  
Copyright 2015 CoreOS, Inc.  
Copyright 2012 The Go-MySQL-Driver Authors. All rights reserved.  
Copyright (c) 2011, Open Knowledge Foundation Ltd.  
Copyright (c) 2004, 2006 The Linux Foundation and its contributors.  
Copyright 2014 The Go Authors. All rights reserved.  
Copyright (c) 2014 The ql Authors. All rights reserved.  
Copyright 2019 TiKV Project Authors.  
Copyright 2018 PingCAP, Inc.  
Copyright (c) 2007 Free Software Foundation, Inc. <http:fsf.org/>  
Copyright (c) 2016 Caleb Spare  
Copyright 2019 PingCAP, Inc.  
Copyright (c) 2011 The Snappy-Go Authors. All rights reserved.  
Copyright 2016 The OpenTracing Authors  
Copyright 2016, Google Inc.  
Copyright 2014 Canonical Ltd.  
Copyright 2020 PingCAP, Inc. Licensed under Apache-2.0.  
Copyright (c) 2016 json-iterator  
Copyright (c) 2018 The Jaeger Authors  
Copyright (c) 2013 TOML authors  
Copyright 2014 Google LLC  
Copyright 2014 The Prometheus Authors Licensed under the Apache License, Version 2.0 (the License);  
Copyright 2018 Google Inc.  
Copyright 2016 PingCAP, Inc.  
Copyright 2016 TiKV Project Authors.  
Copyright 2016 Google Inc. All rights reserved.  
Copyright 2017 The Go Authors. All rights reserved.  
Copyright (c) 2014 Coda Hale  
Copyright (c) 2013 The Gorilla WebSocket Authors. All rights reserved.  
Copyright (c) 2012 Miki Tebeka <miki.tebeka@gmail.com>.  
Copyright 2015 The Prometheus Authors Licensed under the Apache License, Version 2.0 (the License);  
Copyright (c) 2013 Fatih Arslan  
Copyright (c) 2013 Steve Francia <spf@spf13.com>.  
Copyright (c) 2016 Travis Cline  
Copyright 2016 Michal Witkowski. All Rights Reserved.  
Copyright 2017 Google Inc. All rights reserved.  
Copyright (c) 2015 Klaus Post  
Copyright (c) 2009,2014 Google Inc. All rights reserved.  
Copyright 2012-2015 The Prometheus Authors  
Copyright (c) 2017, Daniel Martí. All rights reserved.  
Copyright 2019 The Prometheus Authors Licensed under the Apache License, Version 2.0 (the License);  
Copyright (c) 2012 Alex Ogier. All rights reserved.  
Copyright (c) 2018 Dominik Honnef. All rights reserved.  
Copyright 2016 The Snappy-Go Authors. All rights reserved.  
Copyright (c) 2016 The mathutil Authors. All rights reserved.  
Copyright 2014 CoreOS, Inc  
Copyright 2018 Google LLC  
Copyright (c) 2019 Ashley Jeffs  
Copyright (c) 2013 Ben Johnson  
Copyright 2020 The Prometheus Authors Licensed under the Apache License, Version 2.0 (the License);  
Copyright (c) 2020 The Jaeger Authors.  
Copyright 2020 TiKV Project Authors.  
Copyright (c) 2013 Kamil Kisiel <kamil@kamilkisiel.net>  
Copyright 2011 The Go Authors. All rights reserved.  
Copyright (c) 2019 Ewan Chou  
Copyright 2018 CoreOS, Inc  
Copyright (c) 2012, Suryandaru Triandana <syndtr@gmail.com>  
Copyright 2013 Matt T. Proud Licensed under the Apache License, Version 2.0  
Copyright 2013, Sébastien Paolacci. All rights reserved.  
Copyright 2018 The Go-MySQL-Driver Authors. All rights reserved.  
Copyright 2008 Google Inc. All rights reserved.  
Copyright (c) 2019 The Go Authors. All rights reserved.  
Copyright 2013 The ql Authors. All rights reserved.  
Copyright (c) 2016 Dominik Honnef  
Copyright (c) 2016, Suryandaru Triandana <syndtr@gmail.com>

**License:** Apache-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:

(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.