**THIRD PARTY OPEN SOURCE SOFTWARE NOTICE**

Please note we provide an open source software notice for the third party open source software along with this software and/or this software component contributed by Huawei (in the following just “this SOFTWARE”). The open source software licenses are granted by the respective right holders.

**Warranty Disclaimer**

**The open source software in this software 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: Apache Jakarta Commons IO 2.5

**Copyright notice:**

Apache Commons IO

Copyright 2002-2016 The Apache Software Foundation

This product includes software developed at

The Apache Software Foundation (<http://www.apache.org/>).

**License:** Apache License Version 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.

Software: Apache Commons Lang 3.3.2

**Copyright notice:**

Apache Commons Lang

Copyright 2001-2014 The Apache Software Foundation

This product includes software developed at

The Apache Software Foundation (http://www.apache.org/).

This product includes software from the Spring Framework,

under the Apache License 2.0 (see: StringUtils.containsWhitespace())License: Apache License Version 2.0

**License:** Apache License Version 2.0

Please see above

Software: Apache Jakarta Commons Logging 1.2

**Copyright notice:**

Apache Commons Logging

Copyright 2003-2014 The Apache Software Foundation

This product includes software developed at

The Apache Software Foundation (http://www.apache.org/).

**License:** Apache License Version 2.0

Please see above

Software: gson 2.8.2

**Copyright notice:**

Copyright (C) 2012 Google Inc.

Copyright (C) 2011 Google Inc.

Copyright (C) 2014 Google Inc.

Copyright (C) 2008 Google Inc.

Copyright (C) 2009 Google Inc.

Copyright (C) 2010 Google Inc.

Copyright (C) 2012 Square, Inc.

Copyright (C) 2017 Google Inc.

Copyright (C) 2017 Gson Authors

Copyright (C) 2015 Google Inc.

Copyright (C) 2016 Google Inc.

Copyright (C) 2016 The Gson Authors

Copyright (C) 2014 Trymph Inc.

Copyright (C) 2016 Gson Authors

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

copyright license to reproduce, prepare Derivative Works of,

publicly display, publicly perform, sublicense, and distribute the

(c) You must retain, in the Source form of any Derivative Works

You may add Your own copyright statement to Your modifications and

may provide additional or different license terms and conditions

Copyright 2008-2011 Google Inc.

Copyright (C) 2010 The Android Open Source Project

Copyright 2008 Google Inc.

**License:** Apache License Version 2.0

Please see above

Software: Logback 1.2.3

**Copyright notice:**

Copyright (C) 1999-2015, QOS.ch. All rights reserved.

Copyright (C) 2006 Google Inc.

Copyright (C) 1999-2017, QOS.ch. All rights reserved.

Copyright (C) 1999-2016, QOS.ch. All rights reserved.

Copyright (C) 2014, QOS.ch. All rights reserved.

Copyright (C) 1999-2013, QOS.ch. All rights reserved.

**License:** LGPL 2.1

---------------

Logback: the reliable, generic, fast and flexible logging framework.

Copyright (C) 1999-2015, QOS.ch. All rights reserved.

This program and the accompanying materials are dual-licensed under

either the terms of the Eclipse Public License v1.0 as published by

the Eclipse Foundation

or (per the licensee's choosing)

under the terms of the GNU Lesser General Public License version 2.1

as published by the Free Software Foundation.

Software: okhttp 3.5.0

**Copyright notice:**

Copyright (C) 2014 Square, Inc.

Copyright (C) 2013 Square, Inc.

Copyright (C) 2015 Square, Inc.

Copyright (C) 2016 Square, Inc.

Copyright (C) 2009 The Android Open Source Project

Copyright (C) 2013 The Android Open Source Project

Copyright (C) 2012 The Android Open Source Project

Copyright (C) 2011 The Android Open Source Project

Copyright (C) 2012 Google Inc.

Copyright (C) 2011 Google Inc.

Copyright (C) 2012 Square, Inc.

Copyright 2013 Square, Inc.

Copyright (C) 2010 The Android Open Source Project

Copyright 2013 Twitter, Inc.

Copyright 2012 Twitter, Inc

Copyright 2012 Twitter, Inc.

Copyright (c) 2013 Karl Swedberg

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

copyright license to reproduce, prepare Derivative Works of,

publicly display, publicly perform, sublicense, and distribute the

(c) You must retain, in the Source form of any Derivative Works

You may add Your own copyright statement to Your modifications and

may provide additional or different license terms and conditions

Copyright (C) 2016 Google Inc.

Copyright 2014 Square Inc.

Copyright (C) 2011 The Guava Authors

**License:** Apache License Version 2.0

Please see above

Software: RESTEasy 3.0.16.Final

**Copyright notice:**

Copyright 2001-2016 The Apache Software Foundation

This product includes software developed at

The Apache Software Foundation (http://www.apache.org/).

**License:** Apache License Version 2.0

Please see above

Software: retrofit 2.3.0

**Copyright notice:**

Copyright 2013 Square, Inc.

**License:** Apache License Version 2.0

Please see above

Software: Simple Logging Facade for Java (SLF4J) 1.7.22

**Copyright notice:**

Copyright (c) 2004-2013 QOS.ch

Copyright (c) 2004-2011 QOS.ch

Copyright (c) 2004-2013 QOS.ch, Copyright (C) 2015 Google Inc.

Copyright (c) 2004-2016 QOS.ch

Copyright 2001-2004 The Apache Software Foundation.

Copyright (c) 2004-2005 QOS.ch

Copyright (c) 2004-2014 QOS.ch

Copyright (c) 2004-2012 QOS.ch

**License:** MIT License

Copyright (c) 2004-2017 QOS.ch

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.

Software: Json.NET 6.0.8

**Version:** 6.0.8

**Copyright notice:**

Copyright (c) 2007 James Newton-King

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:** MIT License

Please see above

Software: Apache log4net 1.2.13

**Version:** 1.2.13

**Copyright notice:**

Copyright 2004-2013 The Apache Software Foundation

This product includes software developed at

The Apache Software Foundation (http://www.apache.org/).

**License:** Apache License Version 2.0

Please see above