

Johnson Controls Inc.

OSS Disclosures

Product name	GoInstall
Version	1.50.20
Date of creation	18/03/2021

This document provides list of all open source software components used in this product and their corresponding licenses.

This product may contain Open Source covered under such licenses as General Public License, Mozilla Public License and Lesser General Public License etc. These licenses may require their source code to be made available to customers. If such source code is not shipped with this release, the same can be obtained by anyone, upon receipt of this information, during the period as applicable, at following

Address

Legal Department

507 E. Michigan Street

Milwaukee, WI 53202

USA

JCI may charge you a minimal fee up to \$5 as delivery/handling charges.

Open source software Components

Component	version	License
System.Security.Cryptography.Primitives	4.3.0	Microsoft .NET Library License
System.Threading.ThreadPool	4.3.0-preview1-24530-04	Microsoft .NET Library License
Xamarin Build-time Download Support	0.4.11	MIT License
Xamarin Support Library v7 CardView	25.3.1	MIT License
Android - platform - tools - adt - idea	studio-4.0.0	Apache License 2.0
Simple Injector	4.0.0	MIT License
AndroidSupportComponents	25.3.1	MIT License
Firebase APIs Analytics iOS Library	5.5.0	MIT License
AutoMapper	6.0.2	MIT License
System.Security.Cryptography.Encoding	4.3.0	Microsoft .NET Framework 1.1 License
HockeySDK.Xamarin	4.1.0	(X11 License AND X.Net License AND MIT License AND Apache License 2.0 AND libxml2 License)
System.Threading.ThreadPool	4.3.0	Microsoft .NET Library License
OkHttp3	3.5.0	Apache License 2.0
System.Reflection.Primitives	4.3.0	MIT License
Xamarin Google Play Services - Analytics	42.1024.0-beta1	MIT License
System.Threading.Tasks.Extensions	4.5.2	MIT License
System.IO.FileSystem	4.3.0	Microsoft .NET Library License
HockeySDK.Xamarin	4.1.4	(X11 License AND X.Net License AND MIT License AND Apache License 2.0 AND libxml2 License)
System.Runtime.Extensions	4.3.0	Microsoft .NET Library License
Json.NET	10.0.2	MIT License
System.Globalization.Calendars	4.3.0	Microsoft .NET Framework EULA
OkIO	1.11.0	Apache License 2.0
System.Diagnostics.DiagnosticSource	4.3.0	Microsoft .NET Library License
System.Net.Primitives	4.3.0	Microsoft .NET Library License
System.Threading.Thread	4.3.0	Microsoft .NET Library License

System.Net.Http	4.3.2	MIT License
Json.NET	12.0.2	MIT License
System.Reflection	4.1.0-rc2-24027	Microsoft .NET Library License
System.Net.Http	4.3.4	MIT License
Xamarin Support Library v7 RecyclerView	25.3.1	MIT License
Json.NET	1.0.0	MIT License
ZXing.Net.Mobile	2.2.9	Apache License 2.0
Android AppCompat Library v7	25.3.1	Apache License 2.0
System.Reflection.Extensions	4.3.0	Microsoft .NET Library License
CommonServiceLocator	1.3.0	Microsoft Public License
System.IO.Compression.ZipFile	4.3.0	Microsoft .NET Library License
System.Net.Primitives	4.3.1	Microsoft .NET Library License
ZXing.Net.Mobile	2.4.1	Apache License 2.0
System.Linq.Expressions	4.3.0	Microsoft .NET Library License
System.Text.Encoding.Extensions	4.3.0	Microsoft .NET Library License
Xamarin Google Play Services - TagManager API V4 Impl	42.1021.0	MIT License
Xamarin Android Support Library - Animated Vector Drawable	25.3.1	MIT License
Xamarin Support Library v7 AppCompat	25.3.1	MIT License
HockeySDK.Xamarin	5.2.0	(X11 License AND X.Net License AND MIT License AND Apache License 2.0 AND BSD 3-clause "New" or "Revised" License AND libxml2 License)
Android - platform - prebuilts - sdk	android-8.0.0_r2	Apache License 2.0
System.Security.Cryptography.Algorithms	4.2.0	Microsoft .NET Library License
Xamarin Google Play Services - Analytics Impl	42.1024.0	MIT License
System.Diagnostics.Debug	4.3.0-preview1-24530-04	MIT License
Xamarin Google Play Services - Tasks	42.1021.0-beta1	MIT License
System.Diagnostics.Debug	4.3.0	Microsoft .NET Library License
OkHttp	2.7.5	Apache License 2.0
Xamarin.Forms	2.3.4.247	MIT License

System.Resources.ResourceManager	4.3.0	Microsoft .NET Library License
Reactive Extensions - Main Library	4.1.5	Apache License 2.0
System.Threading.Timer	4.3.0	Microsoft .NET Library License
System.Runtime.InteropServices	4.3.0	Microsoft .NET Library License
Firebase APIs Instance ID iOS Library	2.0.8	MIT License
System.Security.Cryptography.X509Certificates	4.3.2	MIT License
Firebase APIs Core iOS Library	5.2.0	MIT License
ZXing.Net.Mobile	2.1.47	Apache License 2.0
System.Runtime.Serialization.Formatters	4.3.0	MIT License
System.Net.Http	4.3.0	MIT License
System.Net.Http	4.3.1	MIT License
System.ComponentModel	4.0.1	Microsoft .NET Library License
System.Collections	4.3.0-preview1-24530-04	MIT License
System.Runtime.Extensions	4.3.1	Microsoft .NET Library License
Microsoft.Win32.Primitives	4.3.0	Microsoft .NET Library License
Xamarin.Firebase - lid	42.1021.0	MIT License
System.Security.Cryptography.X509Certificates	4.3.0	Microsoft .NET Library License
System.Xml.ReaderWriter	4.3.0	Microsoft .NET Library License
Xamarin.Firebase - Analytics	42.1024.0-beta1	MIT License
System.Security.Cryptography.Algorithms	4.3.1	MIT License
Xamarin.Forms	2.3.1.114	MIT License
Xamarin Google Play Services - Basement	29.0.0.2	MIT License
Microsoft.Extensions.DependencyInjection.Abstractions	1.1.1	Microsoft .NET Library License
AutoFitTextView	0.2.1	MIT License
Firebase APIs Core iOS Library	4.0.13	Apache License 2.0
System.IO.Compression	4.3.0	MIT License
AutoFitTextView-Xamarin.Android	0.2.1	MIT License
Microsoft.NETCore.Platforms	2.2.1	MIT License

System.Globalization	4.3.0	Microsoft .NET Library License
Android Support RecyclerView v7	25.3.1	Apache License 2.0
System.IO.FileSystem.Primitives	4.3.0	Microsoft .NET Library License
Xamarin Support Library Design	23.4.0	MIT License
System.Net.Primitives	4.0.11	Microsoft .NET Library License
System.Xml.ReaderWriter	4.3.1	MIT License
Json.NET	10.0.3	MIT License
System.Runtime.Handles	4.3.0	Microsoft .NET Library License
System.Runtime	4.3.1	Microsoft .NET Library License
System.Collections.Concurrent	4.0.12	Microsoft .NET Library License
System.ObjectModel	4.3.0	Microsoft .NET Library License
System.IO.FileSystem	4.3.0-preview1-24530-04	Microsoft .NET Library License
Simple Injector	3.1.2	MIT License
Xamarin Google Play Services - Basement	42.1024.0-beta1	MIT License
System.Text.Encoding.Extensions	4.3.0-preview1-24530-04	Microsoft .NET Library License
System.Diagnostics.Debug	4.0.11	Microsoft .NET Library License
System.Globalization	4.3.0-preview1-24530-04	Microsoft .NET Library License
System.ComponentModel.TypeConverter	4.3.0	Microsoft .NET Framework EULA
System.IO	4.3.0	Microsoft .NET Library License
Simple Injector	3.2.0-beta2	MIT License
System.Runtime	4.3.0	Microsoft .NET Library License
Xamarin Support Library v7 Palette	25.3.1	MIT License
Json.NET	9.0.1	MIT License
System.Diagnostics.Tracing	4.3.0	Microsoft .NET Library License
System.Diagnostics.Tools	4.3.0	MIT License
Xamarin Support Library v4	23.4.0.1	Google Android SDK License
System.Runtime.InteropServices.WindowsRuntime	4.3.0	Microsoft .NET Library License
Picasso	2.5.2.1	Apache License 2.0
System.Xml.XmlSerializer	4.3.0	Microsoft .NET Library License
System.Console	4.3.1	Microsoft .NET Library License
play-services-analytics	10.2.6	Android Software Development Kit License

Task Parallel Library for Silverlight, Windows Phone, and .NET 3.5	4.3.0	Microsoft .NET Library License
Xamarin Google Play Services Base	42.1024.0	MIT License
Task Parallel Library for Silverlight, Windows Phone, and .NET 3.5	4.0.11	Microsoft .NET Library License
Xamarin.Firebase.iOS.CrashReporting	2.0.0.4	MIT License
Xamarin Android Support Library - Core Utils	25.3.1	MIT License
System.Linq	4.3.0	Microsoft .NET Library License
Xamarin Build-time Download Support	0.2.2	MIT License
Xamarin Android Support Library - Fragment	25.3.1	MIT License
System.Linq	4.1.0	Microsoft .NET Library License
NETStandard.Library	2.0.3	MIT License
System.Threading	4.3.0	Microsoft .NET Library License
Microsoft.CSharp	4.6.0-preview.18571.3	MIT License
System.AppContext	4.3.0	Microsoft .NET Library License
Simple Injector	3.3.2	MIT License
System.Threading	4.0.11	Microsoft .NET Library License
Xamarin Firebase - Analytics Impl	42.1021.0	MIT License
System.Console	4.3.0	Microsoft .NET Library License
Reactive Extensions - Main Library	4.0.0-preview00001	Apache License 2.0
Signature Pad for Xamarin.Forms	1.0.0.1	Microsoft Public License
SignaturePad for Xamarin and Windows	2.0.0	MIT License
Xamarin Android Support Library - Media Compat	25.3.1	MIT License
System.Security.Cryptography.Encoding	4.3.0-preview1-24530-04	Microsoft .NET Framework 1.1 License
System.Xml.XDocument	4.3.0	Microsoft .NET Library License
AutoMapper	v8.1.1	MIT License
Xamarin Android Support Library - Vector Drawable	23.4.0.1	MIT License
AutoMapper	6.1.1	MIT License
System.Xml.XmlSerializer	4.0.11	Microsoft .NET Library License

Xamarin Build-time Download Support	0.4.6	MIT License
KeyChain.Net	0.0.4	MIT License
Simple Injector	4.6.0	MIT License
System.Reflection	4.3.0	Microsoft .NET Library License
System.Net.Http	4.1.0	Microsoft .NET Library License
System.Reflection.Emit	4.7.0- preview1.19504.10	MIT License
Xamarin Google Play Services - Ads	29.0.0.1	MIT License
System.Text.RegularExpressions	4.3.0	Microsoft .NET Library Updated License
Microsoft.Practices.ServiceLocation	1.3.0.0	Microsoft Public License
Xamarin Android Support Library - Core UI	25.3.1	MIT License
CommonServiceLocator	2.0.4	Microsoft Public License
System.Reflection	4.1.0	Microsoft .NET Library License
System.Net.Sockets	4.3.0	Microsoft .NET Library License
Xamarin Google Play Services - AppIndexing	29.0.0	MIT License
Firebase APIs Instance ID iOS Library	3.4.0	MIT License
Microsoft.CSharp	4.3.0	Microsoft .NET Library License
System.Runtime.InteropServices.RuntimeInformation	4.3.0	Microsoft .NET Library License
System.Resources.ResourceManager	4.3.0-preview1-24530-04	Microsoft .NET Library License
SignaturePad for Xamarin and Windows	1.4.0	MIT License
CariocaMenu	1	MIT License
System.Linq.Queryable	4.3.0	Microsoft .NET Library License
Xamarin Build-time Download Support	0.4.5	MIT License
Xamarin Support Library v7 MediaRouter	25.3.1	MIT License
System.Diagnostics.Tools	4.0.1	Microsoft .NET Library License
Xamarin Android Support Library - Compat	25.3.1	MIT License
System.Text.Encoding	4.3.0	Microsoft .NET Library License
Signature Pad for Xamarin.Forms	1.0.0	Microsoft Public License
System.Collections.Specialized	4.3.0	Microsoft .NET Library License
Microsoft ASP.NET Web API Client Libraries	5.2.3	Microsoft .NET Library License
Microsoft.CSharp	4.5.0	MIT License

System.Collections	4.3.0	Microsoft .NET Library License
System.Diagnostics.Contracts	4.3.0	Microsoft .NET Library License
Xamarin Firebase - Common	42.1021.1	MIT License
System.Dynamic.Runtime	4.3.0	Microsoft .NET Library License
System.Reflection.Emit	4.3.0	Microsoft .NET Framework EULA
System.Runtime.Serialization.Primitives	4.3.0	Microsoft .NET Library License
FastAndroidCamera	2.0.0	Apache License 2.0
Xamarin Android Support Library - Transition	25.3.1	MIT License
Simple Injector	4.0.8	MIT License
System.ComponentModel	4.3.0	Microsoft .NET Library License
System.Runtime.Numerics	4.3.0	Microsoft .NET Framework 1.1 License
Google APIs Analytics iOS Library	3.17.0.2	MIT License
System.Security.Cryptography.Algorithms	4.3.0	Microsoft .NET Library License
Picasso	2.5.2	Apache License 2.0
Microsoft.Extensions.DependencyInjection	1.1.1	Microsoft .NET Library License
System.Reflection.Extensions	4.0.1	Microsoft .NET Library License
TextExpanderTouchSDK	4	Alternative Commercial License Available
System.Reflection	4.3.0-preview1-24530-04	Microsoft .NET Library License
System.Text.RegularExpressions	4.3.1	Microsoft .NET Library Updated License
System.Linq.Expressions	4.1.0	Microsoft .NET Library License
System.Xml.XmlDocument	4.3.0	Microsoft .NET Library License

Licenses

MICROSOFT SOFTWARE LICENSE TERMS

MICROSOFT .NET LIBRARY

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

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

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

BY USING THE SOFTWARE, YOU ACCEPT THESE TERMS. IF YOU DO NOT ACCEPT THEM, DO NOT USE THE SOFTWARE.

IF YOU COMPLY WITH THESE LICENSE TERMS, YOU HAVE THE PERPETUAL RIGHTS BELOW.

1. INSTALLATION AND USE RIGHTS.

- a. Installation and Use. You may install and use any number of copies of the software to design, develop and test your programs.
- b. Third Party Programs. The software may include third party programs that Microsoft, not the third party, licenses to you under this agreement. Notices, if any, for the third party program are included for your information only.

2. ADDITIONAL LICENSING REQUIREMENTS AND/OR USE RIGHTS.

- a. DISTRIBUTABLE CODE. The software is comprised of Distributable Code. "Distributable Code" is code that you are permitted to distribute in programs you develop if you comply with the terms below.
 - i. Right to Use and Distribute.
 - You may copy and distribute the object code form of the software.
 - Third Party Distribution. You may permit distributors of your programs to copy and distribute the Distributable Code as part of those programs.
 - ii. Distribution Requirements. For any Distributable Code you distribute, you must
 - add significant primary functionality to it in your programs;
 - require distributors and external end users to agree to terms that protect it at least as much as this agreement;

- display your valid copyright notice on your programs; and
 - indemnify, defend, and hold harmless Microsoft from any claims, including attorneys' fees, related to the distribution or use of your programs.
- iii. Distribution Restrictions. You may not
- alter any copyright, trademark or patent notice in the Distributable Code;
 - use Microsoft's trademarks in your programs' names or in a way that suggests your programs come from or are endorsed by Microsoft;
 - include Distributable Code in malicious, deceptive or unlawful programs; or
 - modify or distribute the source code of any Distributable Code so that any part of it becomes subject to an Excluded License. An Excluded License is one that requires, as a condition of use, modification or distribution, that the code be disclosed or distributed in source code form; or
 - others have the right to modify it.
3. SCOPE OF LICENSE. The software is licensed, not sold. This agreement only gives you some rights to use the software. Microsoft reserves all other rights. Unless applicable law gives you more rights despite this limitation, you may use the software only as expressly permitted in this agreement. In doing so, you must comply with any technical limitations in the software that only allow you to use it in certain ways. You may not
- work around any technical limitations in the software;
 - reverse engineer, decompile or disassemble the software, except and only to the extent that applicable law expressly permits, despite this limitation;
 - publish the software for others to copy;
 - rent, lease or lend the software;
 - transfer the software or this agreement to any third party; or
 - use the software for commercial software hosting services.
4. BACKUP COPY. You may make one backup copy of the software. You may use it only to reinstall the software.
5. DOCUMENTATION. Any person that has valid access to your computer or internal network may copy and use the documentation for your internal, reference purposes.
6. EXPORT RESTRICTIONS. The software is subject to United States export laws and regulations. You must comply with all domestic and international export laws and regulations that apply to the software. These laws include restrictions on destinations, end users and end use. For additional information, see www.microsoft.com/exporting.
7. SUPPORT SERVICES. Because this software is "as is," we may not provide support services for it.
8. ENTIRE AGREEMENT. This agreement, and the terms for supplements, updates, Internet-based services and support services that you use, are the entire agreement for the software and support services.

9. APPLICABLE LAW.

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

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

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

11. DISCLAIMER OF WARRANTY. THE SOFTWARE IS LICENSED "AS-IS." YOU BEAR THE RISK OF USING IT. MICROSOFT GIVES NO EXPRESS WARRANTIES, GUARANTEES OR CONDITIONS. YOU MAY HAVE ADDITIONAL CONSUMER RIGHTS OR STATUTORY GUARANTEES UNDER YOUR LOCAL LAWS WHICH THIS AGREEMENT CANNOT CHANGE. TO THE EXTENT PERMITTED UNDER YOUR LOCAL LAWS, MICROSOFT EXCLUDES THE IMPLIED WARRANTIES OF MERCHANTABILITY, FITNESS FOR A PARTICULAR PURPOSE AND NON-INFRINGEMENT.

FOR AUSTRALIA – YOU HAVE STATUTORY GUARANTEES UNDER THE AUSTRALIAN CONSUMER LAW AND NOTHING IN THESE TERMS IS INTENDED TO AFFECT THOSE RIGHTS.

12. LIMITATION ON AND EXCLUSION OF REMEDIES AND DAMAGES. YOU CAN RECOVER FROM MICROSOFT AND ITS SUPPLIERS ONLY DIRECT DAMAGES UP TO U.S. \$5.00. YOU CANNOT RECOVER ANY OTHER DAMAGES, INCLUDING CONSEQUENTIAL, LOST PROFITS, SPECIAL, INDIRECT OR INCIDENTAL DAMAGES.

This limitation applies to

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

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

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

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

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

LIMITATION DES DOMMAGES-INTÉRÊTS ET EXCLUSION DE RESPONSABILITÉ POUR LES DOMMAGES. Vous pouvez obtenir de Microsoft et de ses fournisseurs une indemnisation en cas de dommages directs uniquement à hauteur

de 5,00 \$ US. Vous ne pouvez prétendre à aucune indemnisation pour les autres dommages, y compris les dommages spéciaux, indirects ou accessoires et pertes de bénéfices.

Cette limitation concerne :

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

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

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

=====

X11 License

Permission is hereby granted, free of charge, to any person obtaining a copy of this software and associated documentation files (the "Software"), to deal in the Software without restriction, including without limitation the rights to use, copy, modify, merge, publish, distribute, and/or sell copies of the Software, and to permit persons to whom the Software is furnished to do so, provided that the above copyright notice(s) and this permission notice appear in all copies of the Software and that both the above copyright notice(s) and this permission notice appear in supporting documentation.

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 OF THIRD PARTY RIGHTS. IN NO EVENT SHALL THE COPYRIGHT HOLDER OR HOLDERS INCLUDED IN THIS NOTICE BE LIABLE FOR ANY CLAIM, OR ANY SPECIAL 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.

Except as contained in this notice, the name of a copyright holder shall not be used in advertising or otherwise to promote the sale, use or other dealings in this Software without prior written authorization of the copyright holder.

=====

MIT license

Permission is hereby granted, free of charge, to any person obtaining a copy of this software and associated documentation files (the "Software"), to deal in the Software without restriction, including without limitation the rights to use, copy, modify, merge, publish, distribute, sublicense, and/or sell copies of the Software, and to permit persons to whom the Software is furnished to do so, subject to the following conditions:

The above copyright notice and this permission notice shall be included in all copies or substantial portions of the Software.

THE SOFTWARE IS PROVIDED "AS IS", WITHOUT WARRANTY OF ANY KIND, EXPRESS OR IMPLIED, INCLUDING BUT NOT LIMITED TO THE WARRANTIES OF MERCHANTABILITY, FITNESS FOR A PARTICULAR PURPOSE AND NONINFRINGEMENT. IN NO EVENT SHALL THE AUTHORS OR COPYRIGHT HOLDERS BE LIABLE FOR ANY CLAIM,

DAMAGES OR OTHER LIABILITY, WHETHER IN AN ACTION OF CONTRACT, TORT OR OTHERWISE, ARISING FROM, OUT OF OR IN CONNECTION WITH THE SOFTWARE OR THE USE OR OTHER DEALINGS IN THE SOFTWARE.

=====

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.

=====

ANDROID SOFTWARE DEVELOPMENT KIT

Terms and Conditions

This is the Android Software Development Kit License Agreement.

1. Introduction

1.1 The Android Software Development Kit (referred to in this License Agreement as the "SDK" and specifically including the Android system files, packaged APIs, and Google APIs add-ons) is licensed to you subject to the terms of this License Agreement. This License Agreement forms a legally binding contract between you and Google in relation to your use of the SDK.

1.2 "Google" means Google Inc., a Delaware corporation with principal place of business at 1600 Amphitheatre Parkway, Mountain View, CA 94043, United States.

2. Accepting this License Agreement

2.1 In order to use the SDK, you must first agree to this License Agreement. You may not use the SDK if you do not accept this License Agreement.

2.2 You can accept this License Agreement by:

(A) clicking to accept or agree to this License Agreement, where this option is made available to you; or

(B) by actually using the SDK. In this case, you agree that use of the SDK constitutes acceptance of the Licensing Agreement from that point onwards.

2.3 You may not use the SDK and may not accept the Licensing Agreement if you are a person barred from receiving the SDK under the laws of the United States or other countries including the country in which you are resident or from which you use the SDK.

2.4 If you are agreeing to be bound by this License Agreement on behalf of your employer or other entity, you represent and warrant that you have full legal authority to bind your employer or such entity to this License Agreement. If you do not have the requisite authority, you may not accept the Licensing Agreement or use the SDK on behalf of your employer or other entity.

3. SDK License from Google

3.1 Subject to the terms of this License Agreement, Google grants you a limited, worldwide, royalty-free, non-assignable and non-exclusive license to use the SDK solely to develop applications to run on the Android platform.

3.2 You agree that Google or third parties own all legal right, title and interest in and to the SDK, including any Intellectual Property Rights that subsist in the SDK. "Intellectual Property Rights" means any and all rights under patent law, copyright law, trade secret law, trademark law, and any and all other proprietary rights. Google reserves all rights not expressly granted to you.

3.3 Except to the extent required by applicable third party licenses, you may not copy (except for backup purposes), modify, adapt, redistribute, decompile, reverse engineer, disassemble, or create derivative works of the SDK or any part of the SDK. Except to the extent required by applicable third party licenses, you may not load any part of the SDK onto a mobile handset or any other hardware device except a personal computer, combine any part of the SDK with other software, or distribute any software or device incorporating a part of the SDK.

3.4 Use, reproduction and distribution of components of the SDK licensed under an open source software license are governed solely by the terms of that open source software license and not this License Agreement.

3.5 You agree that the form and nature of the SDK that Google provides may change without prior notice to you and that future versions of the SDK may be incompatible with applications developed on previous versions of the SDK. You agree that Google may stop (permanently or temporarily) providing the SDK (or any features within the SDK) to you or to users generally at Google's sole discretion, without prior notice to you.

3.6 Nothing in this License Agreement gives you a right to use any of Google's trade names, trademarks, service marks, logos, domain names, or other distinctive brand features.

3.7 You agree that you will not remove, obscure, or alter any proprietary rights notices (including copyright and trademark notices) that may be affixed to or contained within the SDK.

4. Use of the SDK by You

4.1 Google agrees that it obtains no right, title or interest from you (or your licensors) under this License Agreement in or to any software applications that you develop using the SDK, including any intellectual property rights that subsist in those applications.

4.2 You agree to use the SDK and write applications only for purposes that are permitted by (a) this License Agreement and (b) any applicable law, regulation or generally accepted practices or guidelines in the relevant jurisdictions (including any laws regarding the export of data or software to and from the United States or other relevant countries).

4.3 You agree that if you use the SDK to develop applications for general public users, you will protect the privacy and legal rights of those users. If the users provide you with user names, passwords, or other login information or personal information, you must make the users aware that the information will be available to your application, and you must provide legally adequate privacy notice and protection for those users. If your application stores personal or sensitive information provided by users, it must do so securely. If the user provides your application with Google Account information, your application may only use that information to access the user's Google Account when, and for the limited purposes for which, the user has given you permission to do so.

4.4 You agree that you will not engage in any activity with the SDK, including the development or distribution of an application, that interferes with, disrupts, damages, or accesses in an unauthorized manner the servers, networks, or other properties or services of any third party including, but not limited to, Google or any mobile communications carrier.

4.5 You agree that you are solely responsible for (and that Google has no responsibility to you or to any third party for) any data, content, or resources that you create, transmit or display through the Android platform and/or applications for the Android platform, and for the consequences of your actions (including any loss or damage which Google may suffer) by doing so.

4.6 You agree that you are solely responsible for (and that Google has no responsibility to you or to any third party for) any breach of your obligations under this License Agreement, any applicable third party contract or Terms of Service, or any applicable law or regulation, and for the consequences (including any loss or damage which Google or any third party may suffer) of any such breach.

5. Your Developer Credentials

5.1 You agree that you are responsible for maintaining the confidentiality of any developer credentials that may be issued to you by Google or which you may choose yourself and that you will be solely responsible for all applications that are developed under your developer credentials.

6. Privacy and Information

6.1 In order to continually innovate and improve the SDK, Google may collect certain usage statistics from the software including but not limited to a unique identifier, associated IP address, version number of the software, and information on which tools and/or services in the SDK are being used and how they are being used. Before any of this information is collected, the SDK will notify you and seek your consent. If you withhold consent, the information will not be collected.

6.2 The data collected is examined in the aggregate to improve the SDK and is maintained in accordance with Google's Privacy Policy.

7. Third Party Applications for the Android Platform

7.1 If you use the SDK to run applications developed by a third party or that access data, content or resources provided by a third party, you agree that Google is not responsible for those applications, data, content, or resources. You understand that all data, content or resources which you may access through such third party applications are the sole responsibility of the person from which they originated and that Google is not liable for any loss or damage that you may experience as a result of the use or access of any of those third party applications, data, content, or resources.

7.2 You should be aware the data, content, and resources presented to you through such a third party application may be protected by intellectual property rights which are owned by the providers (or by other persons or companies on their behalf). You may not modify, rent, lease, loan, sell, distribute or create derivative works based on these data, content, or resources (either in whole or in part) unless you have been specifically given permission to do so by the relevant owners.

7.3 You acknowledge that your use of such third party applications, data, content, or resources may be subject to separate terms between you and the relevant third party. In that case, this License Agreement does not affect your legal relationship with these third parties.

8. Using Android APIs

8.1 Google Data APIs

8.1.1 If you use any API to retrieve data from Google, you acknowledge that the data may be protected by intellectual property rights which are owned by Google or those parties that provide the data (or by other persons or companies on their behalf). Your use of any such API may be subject to additional Terms of Service. You may not modify, rent, lease, loan, sell, distribute or create derivative works based on this data (either in whole or in part) unless allowed by the relevant Terms of Service.

8.1.2 If you use any API to retrieve a user's data from Google, you acknowledge and agree that you shall retrieve data only with the user's explicit consent and only when, and for the limited purposes for which, the user has given you permission to do so.

9. Terminating this License Agreement

9.1 This License Agreement will continue to apply until terminated by either you or Google as set out below.

9.2 If you want to terminate this License Agreement, you may do so by ceasing your use of the SDK and any relevant developer credentials.

9.3 Google may at any time, terminate this License Agreement with you if:

- (A) you have breached any provision of this License Agreement; or
- (B) Google is required to do so by law; or
- (C) the partner with whom Google offered certain parts of SDK (such as APIs) to you has terminated its relationship with Google or ceased to offer certain parts of the SDK to you; or
- (D) Google decides to no longer providing the SDK or certain parts of the SDK to users in the country in which you are resident or from which you use the service, or the provision of the SDK or certain SDK services to you by Google is, in Google's sole discretion, no longer commercially viable.

9.4 When this License Agreement comes to an end, all of the legal rights, obligations and liabilities that you and Google have benefited from, been subject to (or which have accrued over time whilst this License Agreement has been in force) or which are expressed to continue indefinitely, shall be unaffected by this cessation, and the provisions of paragraph 14.7 shall continue to apply to such rights, obligations and liabilities indefinitely.

10. DISCLAIMER OF WARRANTIES

10.1 YOU EXPRESSLY UNDERSTAND AND AGREE THAT YOUR USE OF THE SDK IS AT YOUR SOLE RISK AND THAT THE SDK IS PROVIDED "AS IS" AND "AS AVAILABLE" WITHOUT WARRANTY OF ANY KIND FROM GOOGLE.

10.2 YOUR USE OF THE SDK AND ANY MATERIAL DOWNLOADED OR OTHERWISE OBTAINED THROUGH THE USE OF THE SDK IS AT YOUR OWN DISCRETION AND RISK AND YOU ARE SOLELY RESPONSIBLE FOR ANY DAMAGE TO YOUR COMPUTER SYSTEM OR OTHER DEVICE OR LOSS OF DATA THAT RESULTS FROM SUCH USE.

10.3 GOOGLE FURTHER EXPRESSLY DISCLAIMS ALL WARRANTIES AND CONDITIONS OF ANY KIND, WHETHER EXPRESS OR IMPLIED, INCLUDING, BUT NOT LIMITED TO THE IMPLIED WARRANTIES AND CONDITIONS OF MERCHANTABILITY, FITNESS FOR A PARTICULAR PURPOSE AND NON-INFRINGEMENT.

11. LIMITATION OF LIABILITY

11.1 YOU EXPRESSLY UNDERSTAND AND AGREE THAT GOOGLE, ITS SUBSIDIARIES AND AFFILIATES, AND ITS LICENSORS SHALL NOT BE LIABLE TO YOU UNDER ANY THEORY OF LIABILITY FOR ANY DIRECT, INDIRECT, INCIDENTAL, SPECIAL CONSEQUENTIAL OR EXEMPLARY DAMAGES THAT MAY BE INCURRED BY YOU, INCLUDING ANY LOSS OF DATA, WHETHER OR NOT GOOGLE OR ITS REPRESENTATIVES HAVE BEEN ADVISED OF OR SHOULD HAVE BEEN AWARE OF THE POSSIBILITY OF ANY SUCH LOSSES ARISING.

12. Indemnification

12.1 To the maximum extent permitted by law, you agree to defend, indemnify and hold harmless Google, its affiliates and their respective directors, officers, employees and agents from and against any and all claims, actions, suits or proceedings, as well as any and all losses, liabilities, damages, costs and expenses (including reasonable attorneys fees) arising out of or accruing from (a) your use of the SDK, (b) any application you develop on the SDK that infringes any copyright, trademark, trade secret, trade dress, patent or other intellectual property right of any

person or defames any person or violates their rights of publicity or privacy, and (c) any non-compliance by you with this License Agreement.

13. Changes to the License Agreement

13.1 Google may make changes to the License Agreement as it distributes new versions of the SDK. When these changes are made, Google will make a new version of the License Agreement available on the website where the SDK is made available.

14. General Legal Terms

14.1 This License Agreement constitute the whole legal agreement between you and Google and govern your use of the SDK (excluding any services which Google may provide to you under a separate written agreement), and completely replace any prior agreements between you and Google in relation to the SDK.

14.2 You agree that if Google does not exercise or enforce any legal right or remedy which is contained in this License Agreement (or which Google has the benefit of under any applicable law), this will not be taken to be a formal waiver of Google's rights and that those rights or remedies will still be available to Google.

14.3 If any court of law, having the jurisdiction to decide on this matter, rules that any provision of this License Agreement is invalid, then that provision will be removed from this License Agreement without affecting the rest of this License Agreement. The remaining provisions of this License Agreement will continue to be valid and enforceable.

14.4 You acknowledge and agree that each member of the group of companies of which Google is the parent shall be third party beneficiaries to this License Agreement and that such other companies shall be entitled to directly enforce, and rely upon, any provision of this License Agreement that confers a benefit on (or rights in favor of) them. Other than this, no other person or company shall be third party beneficiaries to this License Agreement.

14.5 EXPORT RESTRICTIONS. THE SDK IS SUBJECT TO UNITED STATES EXPORT LAWS AND REGULATIONS. YOU MUST COMPLY WITH ALL DOMESTIC AND INTERNATIONAL EXPORT LAWS AND REGULATIONS THAT APPLY TO THE SDK. THESE LAWS INCLUDE RESTRICTIONS ON DESTINATIONS, END USERS AND END USE.

14.6 The rights granted in this License Agreement may not be assigned or transferred by either you or Google without the prior written approval of the other party. Neither you nor Google shall be permitted to delegate their responsibilities or obligations under this License Agreement without the prior written approval of the other party.

14.7 This License Agreement, and your relationship with Google under this License Agreement, shall be governed by the laws of the State of California without regard to its conflict of laws provisions. You and Google agree to submit to the exclusive jurisdiction of the courts located within the county of Santa Clara, California to resolve any legal matter arising from this License Agreement. Notwithstanding this, you agree that Google shall still be allowed to apply for injunctive remedies (or an equivalent type of urgent legal relief) in any jurisdiction.

April 10, 2009

=====

Microsoft Public License (Ms-PL)

This license governs use of the accompanying software. If you use the software, you accept this license. If you do not accept the license, do not use the software.

1. Definitions

The terms "reproduce," "reproduction," "derivative works," and "distribution" have the same meaning here as under U.S. copyright law. A "contribution" is the original software, or any additions or changes to the software. A "contributor" is any person that distributes its contribution under this license. "Licensed patents" are a contributor's patent claims that read directly on its contribution.

2. Grant of Rights

(A) Copyright Grant- Subject to the terms of this license, including the license conditions and limitations in section 3, each contributor grants you a non-exclusive, worldwide, royalty-free copyright license to reproduce its contribution, prepare derivative works of its contribution, and distribute its contribution or any derivative works that you create.

(B) Patent Grant- Subject to the terms of this license, including the license conditions and limitations in section 3, each contributor grants you a non-exclusive, worldwide, royalty-free license under its licensed patents to make, have made, use, sell, offer for sale, import, and/or otherwise dispose of its contribution in the software or derivative works of the contribution in the software.

3. Conditions and Limitations

(A) No Trademark License- This license does not grant you rights to use any contributors' name, logo, or trademarks.

(B) If you bring a patent claim against any contributor over patents that you claim are infringed by the software, your patent license from such contributor to the software ends automatically.

(C) If you distribute any portion of the software, you must retain all copyright, patent, trademark, and attribution notices that are present in the software.

(D) If you distribute any portion of the software in source code form, you may do so only under this license by including a complete copy of this license with your distribution. If you distribute any portion of the software in compiled or object code form, you may only do so under a license that complies with this license.

(E) The software is licensed "as-is." You bear the risk of using it. The contributors give no express warranties, guarantees, or conditions. You may have additional consumer rights under your local laws which this license cannot change. To the extent permitted under your local laws, the contributors exclude the implied warranties of merchantability, fitness for a particular purpose and non-infringement.

=====