

Active Directory Forest Recovery

Version: 4.0

Third-Party Contributions and Legal Notices

February 2024 (3)



Third Party Copyright Notices

The following copyright notices shall apply to certain Third Party Software included in the Software. Click the component name to see licensing details.

1. [AlphaFS](#): Copyright © 2008-2018 Peter Palotas, Jeffrey Jangli, Alexandr Normuradov
2. [AlphaVSS](#): Copyright © 2008-2017 Peter Palotas
3. [AntiXSS](#): Copyright © 2008, 2009, 2010, 2011 Microsoft Corporation. All rights reserved.
4. [Antlr](#): Copyright © 2010 Terence Parr. All rights reserved.
5. [CommandLineParser](#): Copyright © 2005 - 2015 Giacomo Stelluti Scala & Contributors
6. [ComponentSpace.Saml2.Net.Licensed](#)
7. [Costura.Fody](#): Copyright © 2012 Simon Cropp and Contributors
8. [CsvHelper](#): Copyright © 2009-2022 Josh Close
9. [DiscUtils](#): Copyright © 2008-2011, Kenneth Bell; Copyright © 2014, Quamotion
10. [DotNetZip](#): Copyright © 2006 – 2011, Dino Chiesa; Copyright ©2006, 2007, 2008, 2009 Dino Chiesa and Microsoft Corporation; and with regards to specific parts: Copyright © 2000,2001,2002,2003 ymnk, JCraft, Inc.; Copyright © 1995-2004 Jean-loup Gailly and Mark Adler; Copyright 2002-2014 The Apache Software Foundation
11. [DSInternals components](#):
 - [DSInternals Common](#): Copyright © 2015-2021 Michael Grafnetter. All rights reserved.
 - [DSInternals DataStore](#): Copyright © 2015-2021 Michael Grafnetter. All rights reserved.
12. [EntityFramework](#): Copyright © Microsoft Open Technologies
13. [Fody](#): Copyright © 2012 Simon Cropp and Contributors
14. [Grpc.Core components that use the Apache 2.0 license](#):
 - [Grpc.Core.API](#): Copyright © 2015 The gRPC Authors
15. [IIS.Microsoft.Web.Administration](#): Copyright © .NET Foundation and Contributors. All rights reserved.
16. [jQuery](#): Copyright © OpenJS Foundation and other contributors. <https://openjsf.org/>

17. **LinqKit components that use MIT license:**

- LinqKit: Copyright © 2007-2019 Joseph Albahari, Tomas Petricek, Scott Smith
- LinqKit.Core: Copyright © 2007-2019 Joseph Albahari, Tomas Petricek, Scott Smith

18. **log4net:** Copyright © 2004-2021 Apache Software Foundation. All Rights Reserved.

19. **ManagedEsent:** Copyright © Microsoft. All Rights Reserved.

20. **Microsoft components that use the Apache 2.0 license**

- Microsoft.Owin: Copyright © Microsoft Corporation. All rights reserved.
- Microsoft.Owin.Host.SystemWeb: Copyright © Microsoft Corporation. All rights reserved.
- Microsoft.Owin.Security: Copyright © Microsoft Corporation. All rights reserved.
- Microsoft.Owin.Security.Cookies: Copyright © Microsoft Corporation. All rights reserved.

21. **Microsoft components that use the Microsoft EULA:**

- Microsoft.AspNet.Mvc: Copyright © Microsoft Corporation. All rights reserved.
- Microsoft.AspNet.Razor: Copyright © Microsoft Corporation
- Microsoft.AspNet.Web.Optimization: Copyright © Microsoft. All Rights Reserved.
- Microsoft.AspNet.WebApi: Copyright © Microsoft Corporation. All rights reserved.
- Microsoft.AspNet.WebApi.Client: Copyright © Microsoft Corporation. All rights reserved.
- Microsoft.AspNet.WebApi.Core: Copyright © Microsoft Corporation. All rights reserved.
- Microsoft.AspNet.WebApi.WebHost: Copyright © Microsoft Corporation. All rights reserved.
- Microsoft.AspNet.WebPages: Copyright © Microsoft Corporation. All rights reserved.

22. **Microsoft components that use the Microsoft .NET Library license:**

- Microsoft.AspNet.Mvc.FixedDisplayModes: Copyright © Microsoft. All Rights Reserved.
- Microsoft.Bcl: Copyright © Microsoft Corporation

- Microsoft.Bcl.Async: Copyright © Microsoft Corporation
 - Microsoft.Bcl.Build: Copyright © Microsoft Corporation
 - Microsoft.Diagnostics.Tracing.EventRegister: Copyright © Microsoft Corporation
 - Microsoft.Diagnostic.Tracing.EventSource: Copyright © Microsoft Corporation
 - Microsoft.Net.Http: Copyright © Microsoft Corporation
 - Microsoft.Web.Infrastructure: Copyright © Microsoft. All Rights Reserved.
23. **Microsoft components that use the MIT license:**
- Microsoft.Database.Isam: Copyright © Microsoft Corporation. All rights reserved.
 - Microsoft.Diagnostic.Tracing.EventSource.Redist: Copyright © Microsoft Corporation
 - Microsoft.VisualStudio.SlowCheetah: Copyright © Microsoft. All Rights Reserved.
24. **NDceRpc**
25. **Newtonsoft.Json:** Copyright © 2007 James Newton-King
26. **Nito.AsyncEx:** Copyright © 2014 StephenCleary
27. **PeterO components:**
- PeterO.Cbor
 - PeterO.Numbers
 - PeterO.URIUtility
28. **protobuf-net:** Copyright © 2008 onwards Marc Gravell
29. **RequireJS:** Copyright © jQuery Foundation and other contributors, <https://jquery.org/>
30. **RequireJS.Text:** Copyright © jQuery Foundation and other contributors, <https://jquery.org/>
31. **Stub.System.Data.SQLite.Core.NetFramework:** Copyright © 2004-2008 Hipp, Wyrick & Company, Inc.
32. **System components that are Public Domain:**
- System.Data.SQLite
 - System.Data.SQLite.Core

- System.Data.SQLite.EF6
 - System.Data.SQLite.Linq
33. [System components that use the Microsoft .NET Library license:](#)
- System.Data.Common: Copyright © Microsoft. All Rights Reserved.
34. [System components that use the MIT license:](#)
- System Buffers: Copyright © .NET Foundation and Contributors
 - System.Collections.Immutable: Copyright © Microsoft. All Rights Reserved.
 - System.Data.SqlClient: Copyright © .NET Foundation and Contributors
 - System.DirectoryServices.AccountManagement: Copyright © .NET Foundation and Contributors
 - System.Memory: Copyright © .NET Foundation and Contributors
 - System.Numerics.Vectors: Copyright © .NET Foundation and Contributors
 - System.Runtime.CompilerServices.Unsafe: Copyright © .NET Foundation and Contributors.
 - System.Security.Principal.Windows: Copyright © .NET Foundation and Contributors.
 - System.ValueTuple: Copyright © .NET Foundation and Contributors
35. [TaskScheduler](#): Copyright © 2002-2021
36. [WebGrease](#): Copyright © Microsoft Corporation
37. [WpfAnimatedGif](#): Copyright © 2014. Thomas Levesque
38. [Z.EntityFramework.Extensions](#)

Open Source and Third Party Component Licenses

The licensing information and license text for Open Source and Third-Party software used in Active Directory Forest Recovery 4.0 are included below. Common license agreements are included at the end of this document. Click the **License Agreement** link to view the license text.

The third-party software/libraries detailed in this document are not the most updated versions of said software/libraries. To the best of Semperis' knowledge, all detailed software/libraries are still being maintained by their respective owners.

AlphaFS

Version: 2.2.6

Copyright © 2008-2018 Peter Palotas, Jeffrey Jangli, Alexandr Normuradov

Licensed under the MIT License

License terms available at:

- [MIT License](#)
- <https://github.com/alphaleonis/AlphaFS/blob/develop/LICENSE.md>

Source code available at: <https://github.com/alphaleonis/AlphaFS>

AlphaVSS

Version: 1.4.0

Copyright © 2008-2017 Peter Palotas

Licensed under the Apache 2.0 License

License terms available at:

- [Apache License 2.0](#)
- <https://www.apache.org/licenses/LICENSE-2.0>

Source code available at: <https://github.com/alphaleonis/AlphaVSS>

AntiXSS

Version: 4.3.0

Copyright © 2009, 2010, 2011 Microsoft Corporation

Licensed under the Microsoft Public License (MS-PL)

License terms available at:

- [Microsoft Public License \(Ms-PL\)](#)
- <https://opensource.org/license/ms-pl-html/>

Source code available at: <https://www.nuget.org/packages/AntiXSS/>

Antlr

Version: 3.5.0.2

Copyright © 2010 Terence Parr. All rights reserved.

Licensed under the ANTLR 3 License

License terms available below and at: <https://wwwantlr3.org/license.html>

Source code available at: <https://www.nuget.org/packages/Antlr/3.5.0.2>

ANTLR 3 License

Copyright © 2010 Terence Parr. All rights reserved.

The BSD License

Copyright © <year> <owner>

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

- Redistributions of source code must retain the above copyright notice, this list of conditions and the following disclaimer.
- Redistributions in binary form must reproduce the above copyright notice, this list of conditions and the following disclaimer in the documentation and/or other materials provided with the distribution.
- Neither the name of the author nor the names of its contributors may be used to endorse or promote products derived from this software without specific prior written permission.

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

ANTLR Project - Developer's Certificate of Origin

From ANTLR v3 and StringTemplate onwards, all substantial and/or active contributors must sign and fax or snailmail a copy of the [ANTLR contributors certificate of origin](#) formally agree to abide by it by signing on the bottom with the date. An email address and your full name must be included. Mail or fax to:

Terence Parr
University of San Francisco
2130 Fulton St, HR532
San Francisco, CA 94117
Fax: +1 415 422 5800

CommandLineParser

Versions: 2.9.1

Copyright © 2005 - 2015 Giacomo Stelluti Scala & Contributors

Licensed under the MIT License.

License terms available at:

- [MIT License](#)
- <https://www.nuget.org/packages/CommandLineParser/2.9.1/License>

Source code available at: <https://www.nuget.org/packages/CommandLineParser>

ComponentSpace.Saml2.Net.Licensed

Version: 4.3.0

Purchased license from ComponentSpace Pty Ltd

License terms available below and at: <https://www.componentspace.com/license-agreement>

END USER LICENSE AGREEMENT

IMPORTANT-READ CAREFULLY: This End-User License Agreement ("EULA") is a legal agreement between you (either an individual or a single entity and hereinafter "you" or "your") and ComponentSpace Pty Ltd ("ComponentSpace") for the ComponentSpace software product accompanying this EULA, which includes computer software and may include associated media, printed materials, and online or electronic documentation ("SOFTWARE PRODUCT"). By installing, copying, or otherwise using the SOFTWARE PRODUCT, you agree to be bound by the terms of this EULA. If you do not agree to the terms of this EULA, do not install, copy, or use the SOFTWARE PRODUCT.

1. GRANT OF LICENSE

Subject to all the terms and conditions in this EULA and in consideration of your payment of applicable license fees, ComponentSpace hereby grants to you, and you accept, a non-exclusive, non-transferable license to install and use the SOFTWARE PRODUCT as authorized in sections 1.1 through 1.5 below.

1.1 EVALUATION OR TRIAL USE LICENSE

If the SOFTWARE PRODUCT you have obtained is marked as a "TRIAL" or "EVALUATION," you may install and use the SOFTWARE PRODUCT, for evaluation purposes only, for a period of 30 calendar days from the date of installation ("EVALUATION PERIOD"). Upon request, ComponentSpace may grant you an extension to the EVALUATION PERIOD. Once the EVALUATION PERIOD has expired, the SOFTWARE PRODUCT must be uninstalled and all copies destroyed. The SOFTWARE PRODUCT must not be used in production systems.

1.2 SINGLE DEVELOPER LICENSE

If you purchase a SINGLE SOFTWARE DEVELOPER license you may install and use a single copy of the SOFTWARE PRODUCT. You may move the SOFTWARE PRODUCT from one computer to another, and the SOFTWARE PRODUCT may be installed on more than one computer at any one time as long as it is only for the sole use of you.

1.3 MULTI-DEVELOPER LICENSE

If you purchase a MULTI-DEVELOPER TEAM license for the SOFTWARE PRODUCT, then the EULA extends to include the number of software developers specified by the license.

1.4 SITE LICENSE

If you purchase a SITE license for the SOFTWARE PRODUCT, then the EULA extends to include all software developers within the purchasing organization and located at the same business address or who from time to time telecommute from home or other locations external to the business address.

1.5 ENTERPRISE LICENSE

If you purchase an ENTERPRISE license for the SOFTWARE PRODUCT, then the EULA extends to include all software developers within the purchasing organization regardless of their location.

2. RIGHTS IN SOFTWARE PRODUCT

You acknowledge that the SOFTWARE PRODUCT and any copies, regardless of the form or media in which the original or copies may exist, are the sole and exclusive property of ComponentSpace. By accepting this EULA, you do not become the owner of the SOFTWARE PRODUCT recorded on the media. You further acknowledge that the SOFTWARE PRODUCT, including the code, logic and structure of the SOFTWARE PRODUCT, contain valuable trade secrets belonging to ComponentSpace. You agree to secure and protect the SOFTWARE PRODUCT consistent with the maintenance of ComponentSpace's rights in the SOFTWARE PRODUCT, as set forth in this EULA.

3. COPYRIGHT

All title and copyrights in and to the SOFTWARE PRODUCT (including but not limited to any images and text incorporated into the SOFTWARE PRODUCT), the accompanying printed materials, and any copies of the SOFTWARE PRODUCT are owned by ComponentSpace. The SOFTWARE PRODUCT is protected by copyright laws and international treaty provisions. Therefore, you must treat the SOFTWARE PRODUCT like any other copyrighted material.

4. CREATING APPLICATIONS

You may use the SOFTWARE PRODUCT for the purpose of developing your own software applications ("APPLICATIONS"), in accordance with the terms of this EULA. You may freely distribute the runtime component only of the SOFTWARE PRODUCT along with your own APPLICATIONS without payment to ComponentSpace, providing the APPLICATIONS: (a) contain only the runtime component of the SOFTWARE PRODUCT; and (b) contain no modifications to the SOFTWARE PRODUCT (including alterations to the original proprietary notices); and (c) do not provide substantially the same functionality as the SOFTWARE PRODUCT or have as one of their purposes to build other software that would compete with the SOFTWARE PRODUCT; and (d) do not reproduce or distribute any portion of the documentation for the SOFTWARE PRODUCT or document the APPLICATIONS in a manner that identifies the programmatic interface to the SOFTWARE PRODUCT; and (e) are subject to a license agreement that (i) limits end-users ("END-USERS") of the APPLICATIONS use of the

SOFTWARE PRODUCT to a runtime component, (ii) restricts the END-USERS from changing, altering or modifying the SOFTWARE PRODUCT, creating derivative works, translations, reverse assembling, reverse compiling, disassembling, or in any way reverse engineering the SOFTWARE PRODUCT, and (iii) prevents END-USERS from sublicensing, renting, distributing, leasing or otherwise transferring or assigning any portion of the SOFTWARE PRODUCT other than as specifically permitted in this EULA. Only licensed developers have the right to use the SOFTWARE PRODUCT for developing the APPLICATIONS. Non-licensed developers do not have the right to use the SOFTWARE PRODUCT, or any part thereof, to compile, link, build or package the APPLICATIONS using the SOFTWARE PRODUCT. A license is not required to use the SOFTWARE PRODUCT as part of an automated build system. A license is not required to test the APPLICATIONS.

5. EXAMPLE CODE

Solely with respect to those portions of the SOFTWARE PRODUCT identified as example code ("EXAMPLE CODE"), ComponentSpace grants you the right to use and modify the EXAMPLE CODE for the purposes of designing, developing, and testing your APPLICATIONS.

6. SOURCE CODE

Source code, if included with the SOFTWARE PRODUCT, does not constitute transfer of any legal rights to such code, and resale or distribution of all or any portion of all source code and intellectual property will be prosecuted to the fullest extent of all applicable state, federal and international laws.

7. REVERSE ENGINEERING

You may use the SOFTWARE PRODUCT solely in its original form, and may not change, alter or modify the SOFTWARE PRODUCT, translate, reverse assemble, reverse compile, disassemble, or in any way reverse engineer the SOFTWARE PRODUCT.

8. PRODUCT UPDATES

If updates to or new versions of the SOFTWARE PRODUCT are made available to and are obtained by you, they will become part of the SOFTWARE PRODUCT and governed by the terms of this EULA.

9. BACKUPS

Copies of the SOFTWARE PRODUCT may be made for archival or backup purposes as long as they contain all the original SOFTWARE PRODUCT proprietary notices.

10. RENTAL

You may not sublicense, rent, distribute, lease or otherwise transfer or assign any or all of your rights in the SOFTWARE PRODUCT.

11. TRANSFER

You may not permanently or temporarily transfer any of your rights under this EULA to any individual or entity without prior written approval from ComponentSpace. Notwithstanding the foregoing, you may assign your rights in the SOFTWARE PRODUCT to any individual or entity that you merge with or into or that acquires substantially all of your assets or stock.

12. TERM

This EULA will be perpetual unless you fail to observe any of its terms, in which case it will terminate immediately and without additional prior notice provided. Upon termination of this EULA, you will destroy the original and all copies, complete or partial, of the SOFTWARE PRODUCT, and will not access such media for the purpose of recovering any of the SOFTWARE PRODUCT.

13. U.S. GOVERNMENT RESTRICTED RIGHTS

The SOFTWARE PRODUCT is provided with RESTRICTED RIGHTS. Use, duplication, or disclosure by the Government is subject to restrictions as set forth in subparagraph (c)(1)(ii) of the Rights in Technical Data and Computer Software clause at DFARS 252.227-7013 or subparagraphs (c)(1) and (2) of the Commercial Computer Software-Restricted Rights at 48 CFR 52.227-19, as applicable. The manufacturer is ComponentSpace Pty Ltd, PO Box 420, Robina, QLD 4226, Australia.

14. EXPORT RESTRICTIONS

You agree that you neither intend to nor will, directly or indirectly, export or transmit the SOFTWARE PRODUCT to any country to which such export or transmission is restricted by any applicable U.S. regulation or statute, without the prior written consent, if required, of the Bureau of Export Administration of the U.S. Department of Commerce, or such other governmental entity as may have jurisdiction over such export or transmission.

15. DISCLAIMER OF WARRANTY

The SOFTWARE PRODUCT is provided "AS-IS," without warranty of any kind, and any use of the software product is at your own risk. To the maximum extent permitted by applicable law, ComponentSpace and its suppliers disclaim all warranties and conditions, either express or implied, including, but not limited to, implied warranties and conditions of merchantability, fitness for a particular purpose, title, and non-infringement, with regard to the SOFTWARE PRODUCT.

16. LIMITATION ON LIABILITY

To the maximum extent permitted by applicable law, in no event will either party be liable for any special, incidental, indirect, or consequential damages whatsoever (including, without limitation, damages for loss of business profits, business interruption, loss of business information, or any other pecuniary loss) arising out of the use of or inability to use the

SOFTWARE PRODUCT, even if the applicable party has been advised of the possibility of such damages. In no event will either party's liability exceed the price paid to ComponentSpace for the SOFTWARE PRODUCT.

17. INDEMNIFICATION

You hereby agree to indemnify ComponentSpace and its officers, directors, employees, agents, and representatives from each and every demand, claim, loss, liability, or damage of any kind, including actual attorney's fees, whether in tort or contract, that it or any of them may incur by reason of, or arising out of, any claim which is made by any third party with respect to any breach or violation of this EULA by you or any claims based on the SOFTWARE PRODUCT included therein.

18. ENTIRE AGREEMENT

You acknowledge that you have read this license, understand it, and agree to be bound by its terms and conditions. You also agree that this license is the complete and exclusive statement of the agreement between ComponentSpace and you, which supersedes any proposal, prior agreement, or license, oral or written, and any other communications relating to the subject matter of this EULA.

19. MISCELLANEOUS

If any term of this EULA is found invalid, the term will be modified or omitted to the extent necessary, and the remainder of the EULA will continue in full effect.

20. GOVERNING LAW

This EULA will be governed by the laws in force in the State of Queensland, Australia. All disputes will have exclusive venue in the federal and state courts in Queensland and you consent to the jurisdiction of these courts.

ComponentSpace reserves all rights not expressly granted to you in this EULA.

Costura.Fody

Version: 3.3.2

Copyright © 2012 Simon Cropp and Contributors

Licensed under the MIT License

License terms available at:

- [MIT License](#)
- <https://licenses.nuget.org/MIT>

Source code available at: <https://www.nuget.org/packages/Costura.Fody>

CsvHelper

Version: 12.1.2

Copyright © 2009-2022 Josh Close

Dual licensing under the Microsoft Public License (MS-PL) and Apache 2.0 License

License terms available at:

- [Microsoft Public License \(Ms-PL\)](#)
- <https://opensource.org/license/ms-pl-html/>
- [Apache License 2.0](#)
- <https://opensource.org/license/apache-2-0/>

Source code available at: <https://github.com/JoshClose/CsvHelper>

Project website: <https://joshclose.github.io/CsvHelper/>

DiscUtils

Version: 0.11.0.2

Copyright © 2008-2011, Kenneth Bell

Copyright © 2014, Quamotion

Licensed under the MIT License

License terms available at:

- [MIT License](#)
- <https://github.com/DiscUtils/DiscUtils/blob/master/LICENSE.txt>

Source code available at: <https://archive.codeplex.com/?p=discutils>

DSInternals components

Copyright © 2015-2021 Michael Grafnetter. All rights reserved.

Licensed under the MIT License

License terms available at:

- [MIT License](#)
- <https://github.com/MichaelGrafnetter/DSInternals/blob/master/LICENSE.md>.

Components list/source code available at:

- DSInternals.Common; Versions 2.18.0, 4.7.0:
<https://www.nuget.org/packages/DSInternals.Common/>
- DSInternal.DataStore; Versions 2.18.0, 4.7.0:
<https://www.nuget.org/packages/DSInternals.DataStore/>

DotNetZip

Version: 1.16.0

Copyright © 2006 – 2011, Dino Chiesa; Copyright ©2006, 2007, 2008, 2009 Dino Chiesa and Microsoft Corporation; and with regards to specific parts: Copyright © 2000,2001,2002,2003 ymnk, JCraft, Inc.; Copyright © 1995-2004 Jean-loup Gailly and Mark Adler; Copyright 2002-2014 The Apache Software Foundation

Licensed under the Microsoft Public (MS-PL), BSD, Apache, MIT, and zlib licenses.

Source code available at: <https://www.nuget.org/packages/DotNetZip/>.

License terms available below and at: <https://raw.githubusercontent.com/haf/DotNetZip.Semverd/master/LICENSE>.

Software Licenses that apply to the DotNetZip library and tools:

As DotNetZip includes work derived from other projects, you are required to comply with the terms and conditions for each of them. These licenses include BSD, Apache, and zlib.

To use the software, you must accept the licenses. If you do not accept the licenses, do not use the software.

Original intellectual property in DotNetZip is provided under the MS-PL:

Copyright © 2006 - 2011 Dino Chiesa

Copyright © 2006, 2007, 2008, 2009 Dino Chiesa and Microsoft Corporation.

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.

The managed ZLIB code included in Ionic.Zlib.dll and Ionic.Zip.dll is derived from jzlib.

jzlib (<https://github.com/ymnk/jzlib>) is provided under a BSD-style (3 clause)

Copyright © 2000,2001,2002,2003 ymnk, JCraft, Inc.

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

1. Redistributions of source code must retain the above copyright notice, this list of conditions and the following disclaimer.
2. Redistributions in binary form must reproduce the above copyright notice, this list of conditions and the following disclaimer in the documentation and/or other materials provided with the distribution.
3. The names of the authors may not be used to endorse or promote products derived from this software without specific prior written permission.

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

The jzlib library, itself, is a re-implementation of ZLIB v1.1.3 in pure Java.

zlib is provided under the zlib license:

Copyright © 1995-2004 Jean-loup Gailly and Mark Adler

The ZLIB software is provided 'as-is', without any express or implied warranty. In no event will the authors be held liable for any damages arising from the use of this software.

Permission is granted to anyone to use this software for any purpose, including commercial applications, and to alter it and redistribute it freely, subject to the following restrictions:

1. The origin of this software must not be misrepresented; you must not claim that you wrote the original software. If you use this software in a product, an acknowledgment in the product documentation would be appreciated but is not required.

2. Altered source versions must be plainly marked as such, and must not be misrepresented as being the original software.
3. This notice may not be removed or altered from any source distribution.

Jean-loup Gailly: jloup@gzip.org

Mark Adler: madler@alumni.caltech.edu

The managed BZIP2 code included in Ionic.BZip2.dll and Ionic.Zip.dll is modified code, based on Java code in the Apache commons compress library.

Apache Commons Compress (<http://commons.apache.org/proper/commons-compress/>) is provided under the Apache 2 license:

Apache Commons Compress

Copyright 2002-2014 The Apache Software Foundation

Licensed to the Apache Software Foundation (ASF) under one or more contributor license agreements. See the NOTICE file distributed with this work for additional information regarding copyright ownership. The ASF licenses this file to you 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.

Many thanks to Julian Seward for the original C implementation of BZip2 (<http://www.bzip.org/>).

The managed Deflate64 code included Ionic.Zip.dll is modified code, based on C# code in the .NET Core Libraries (CoreFX) (System.IO.Compression/DeflateManaged).

Code is provided under The MIT License:

The MIT License (MIT)

Copyright © .NET Foundation and Contributors

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.

EntityFramework

Version: 6.4.4

Copyright © Microsoft Open Technologies

Licensed under the Apache 2.0 license

License terms available at:

- [Apache License 2.0](#)
- <https://licenses.nuget.org/Apache-2.0>

Source code available at: <https://www.nuget.org/packages/EntityFramework/>

Fody

Version: 6.6.0

Copyright © 2012 Simon Cropp and Contributors

Licensed under the MIT License

License terms available at:

- [MIT License](#)
- <https://github.com/Fody/Fody/blob/master/License.txt>

Source code available at: <https://github.com/Fody/Fody>

Grpc.Core components that use the Apache 2.0 license

Version: 2.46.1

Copyright © 2015 The gRPC Authors

Licensed under the Apache 2.0 license.

License terms available at:

- [Apache License 2.0](#)
- <https://licenses.nuget.org/Apache-2.0>

Components list/source code available at:

- Grpc.Core.API: <https://www.nuget.org/packages/Grpc.Core.Api>

IIS.Microsoft.Web.Administration

Version: 8.5.9600.16384

Copyright © .NET Foundation and Contributors. All rights reserved.

Licensed under the Microsoft EULA

License terms available at:

- [Microsoft EULA](#)
- https://www.microsoft.com/web/webapi/eula/net_library_eula_ENU.htm

JQuery

Version: 3.6.0

Copyright © OpenJS Foundation and other contributors. <https://openjsf.org/>

Licensed under the MIT License

License terms available below and at: <https://jquery.org/license/>

Source code available at: <http://jquery.com/>

Note: For the purposes of this document, the term "Project" will refer to any JS Foundation project using the MIT license AND referencing this document in the header of the distributed Project code or Project website source code.

Source Code

Projects referencing this document are released under the terms of the [MIT License](#).

The MIT License is simple and easy to understand and it places almost no restrictions on what you can do with the Project.

Sample Code

You are free to use the Project in any other project (even commercial projects) as long as the copyright header is left intact.

All demos and examples, whether in a Project's repository or displayed on a Project site, are released under the terms of the license as specified in the relevant repository. Many Projects choose to release their sample code under the terms of [CC0](#).

CC0 is even more permissive than the MIT license, allowing you to use the code in any manner you want, without any copyright headers, notices, or other attribution.

Web Sites

The content on a Project web site referencing this document in its header is released under the terms of the license specified in the website's repository or if not specified, under the [MIT license](#).

The design, layout, and look-and-feel of JS Foundation project web sites are not licensed for use and may not be used on any site, personal or commercial, without prior written consent from the JS Foundation.

For further information regarding JS Foundation licensing and intellectual property, please review the [JS Foundation IP Policy](#).

LinqKit components that use MIT license

Version: 1.2.2

Copyright © 2007-2019 Joseph Albahari, Tomas Petricek, Scott Smith

Licensed under the MIT License

License terms available at:

- [MIT License](#)
- <https://github.com/scottksmith95/LINQKit/blob/master/LICENSE>

Source code available at:

- LinqKit: <https://www.nuget.org/packages/LinqKit>
- LinqKit.Core: <https://www.nuget.org/packages/LinqKit.Core>

log4net

Version: 2.0.14

Copyright © 2004-2021 Apache Software Foundation. All Rights Reserved.

Licensed under the Apache 2.0 License

License terms available at:

- [Apache License 2.0](#)
- <http://www.apache.org/licenses/LICENSE-2.0>

Source code available at: <https://www.nuget.org/packages/log4net>

ManagedEsent

Version: 1.9.4

Copyright © Microsoft. All Rights Reserved.

Licensed under the MIT license

License terms available at:

- [MIT License](#)
- <https://licenses.nuget.org/MIT>

Source code available at: <https://www.nuget.org/packages/ManagedEsent>

Microsoft components that use the Apache 2.0 license

Licensed under the Apache 2.0 License

Copyright © Microsoft Corporation. All rights reserved.

License terms available at:

- [Apache License 2.0](#)
- <https://licenses.nuget.org/Apache-2.0>

Source code available at:

- Microsoft.Owin, Version 4.2.2: <https://www.nuget.org/packages/Microsoft.Owin>
- Microsoft.Owin.Host.SystemWeb, Version 4.2.2: <https://www.nuget.org/packages/Microsoft.Owin.Host.SystemWeb>
- Microsoft.Owin.Security, Version 4.2.2: <https://www.nuget.org/packages/Microsoft.Owin.Security>
- Microsoft.Owin.Security.Cookies, Version 4.2.2: <https://www.nuget.org/packages/Microsoft.Owin.Security.Cookies>

Microsoft components that use the Microsoft EULA

Copyright © Microsoft Corporation. All rights reserved.

Licensed under the Microsoft EULA

License terms available at:

- [Microsoft EULA](#)
- https://www.microsoft.com/web/webpi/eula/net_library_eula_ENU.htm

Source code available at:

- Microsoft.AspNet.Mvc; Version 5.2.8: <https://www.nuget.org/packages/Microsoft.AspNet.Mvc>
- Microsoft.AspNet.Razor; Version 3.2.8: <https://www.nuget.org/packages/Microsoft.AspNet.Razor>
- Microsoft.AspNet.Web.Optimization; Version 1.1.3: <https://www.nuget.org/packages/Microsoft.AspNet.Web.Optimization/>
- Microsoft.AspNet.WebApi; Version 5.2.8: <https://www.nuget.org/packages/Microsoft.AspNet.WebApi>

- Microsoft.AspNet.WebApi.Client; Version 5.2.8: <https://www.nuget.org/packages/Microsoft.AspNet.WebApi.Client>
- Microsoft.AspNet.WebApi.Core; Version 5.2.8: <https://www.nuget.org/packages/Microsoft.AspNet.WebApi.Core>
- Microsoft.AspNet.WebApi.WebHost; Version 5.2.8: <https://www.nuget.org/packages/Microsoft.AspNet.WebApi.WebHost>
- Microsoft.AspNet.WebPages; Version 3.2.8: <https://www.nuget.org/packages/Microsoft.AspNet.WebPages>

Microsoft components that use the Microsoft .NET Library license

Copyright © Microsoft Corporation. All rights reserved.

Licensed under the Microsoft .NET Library License

License terms available at:

- [Microsoft .NET Library](#)
- https://dotnet.microsoft.com/en-us/dotnet_library_license.htm

Source code available at:

- Microsoft.AspNet.Mvc.FixedDisplayModes, Version 5.0.0:
<https://www.nuget.org/packages/Microsoft.AspNet.Mvc.FixedDisplayModes>
- Microsoft.Bcl, Version 1.1.10:
<https://www.nuget.org/packages/Microsoft.Bcl>
- Microsoft.Bcl.Async, Version 1.0.168:
<https://www.nuget.org/packages/Microsoft.Bcl.Async>
- Microsoft.Bcl.Build, Version 1.0.21:
<https://www.nuget.org/packages/Microsoft.Bcl.Build>
- Microsoft.Diagnostics.Tracing.EventRegister, Version 1.1.28:
<https://www.nuget.org/packages/Microsoft.Diagnostics.Tracing.EventRegister>
- Microsoft.Diagnostic.Tracing.EventSource, Version 1.1.28:
<https://www.nuget.org/packages/Microsoft.Diagnostics.Tracing.EventSource>
- Microsoft.Diagnostic.Tracing.EventSource.Redist, Version 1.1.28:
<https://www.nuget.org/packages/Microsoft.Diagnostics.Tracing.EventSource.Redist>

- Microsoft.Net.Http, Version 2.2.29:
<https://www.nuget.org/packages/Microsoft.Net.Http>
- Microsoft.Web.Infrastructure, Version 2.0.0:
<https://www.nuget.org/packages/Microsoft.Web.Infrastructure>

Microsoft components that use the MIT license

Copyright © Microsoft. All Rights Reserved.

Licensed under the MIT license.

License terms available at:

- MIT License
- <https://licenses.nuget.org/MIT>

Source code available at:

- Microsoft.Database.Isam, Version 1.9.4:
<https://www.nuget.org/packages/Microsoft.Database.Isam>
- Microsoft.Diagnostic.Tracing.EventSource.Redist; Version 1.1.28:
<https://www.nuget.org/packages/Microsoft.Diagnostics.Tracing.EventSource.Redist>
- Microsoft.VisualStudio.SlowCheetah; Version 4.0.8:
<https://www.nuget.org/packages/Microsoft.VisualStudio.SlowCheetah>

NDceRpc

Version: 0.2.1

NDceRpc is Public Domain

Licensed under Creative Commons Zero Universal (CC0-1.0) License

License terms available at:

- Creative Commons Zero Universal (CC0-1.0)
- <https://creativecommons.org/publicdomain/zero/1.0/legalcode>

Source code available at: <https://www.nuget.org/packages/NDceRpc>

Newtonsoft.Json

Version: 13.0.1

Copyright © 2007 James Newton-King

Licensed under the MIT License

License terms available at:

- [MIT License](#)
- <https://github.com/JamesNK/Newtonsoft.Json/blob/master/LICENSE.md>

Source code available at: <https://github.com/JamesNK/Newtonsoft.Json>

Nito.AsyncEx

Version: 4.0.1

Copyright © 2014 StephenCleary

Licensed under the MIT License

License terms available at:

- [MIT License](#)
- <https://github.com/StephenCleary/AsyncEx/blob/master/LICENSE>

Source code available at: <https://github.com/StephenCleary/AsyncEx>

PeterO components

Written by Peter O. in 2013 and later. Any copyright to this library is released to the Public Domain. In case this is not possible, this library is also licensed under Creative Commons Zero (CC0): <https://creativecommons.org/publicdomain/zero/1.0/>.

License terms available at:

- [Creative Commons Zero Universal \(CC0-1.0\)](#)
- <https://licenses.nuget.org/CC0-1.0>

Source code available at:

- PeterO.Cbor, Version 4.5.2: <https://www.nuget.org/packages/PeterO.Cbor>
- PeterO.Numbers, Version 1.8.2: <https://www.nuget.org/packages/PeterO.Numbers>

- PeterO.URIUtility, Verion 1.0.0: <https://www.nuget.org/packages/PeterO.URIUtility>

protobuf-net

Version: 1.0.0.280

Copyright © 2008 onwards Marc Gravell

Licensed under the Apache 2.0 License

License terms available at:

- [Apache License 2.0](#)
- <https://github.com/protobuf-net/protobuf-net/blob/main/Licence.txt>
- <http://www.apache.org/licenses/LICENSE-2.0>

Source code available at: <https://github.com/protobuf-net/protobuf-net>

RequireJS

Version: 2.3.6

Copyright © jQuery Foundation and other contributors, <https://jquery.org/>

Licensed under the MIT License

License terms available below and at: <https://github.com/requirejs/requirejs/blob/master/LICENSE>

Source code available at: <http://requirejs.org/>

This software consists of voluntary contributions made by many individuals. For exact contribution history, see the revision history available at <https://github.com/requirejs/requirejs>

The following license applies to all parts of this software except as documented below:

====

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.

====

Copyright and related rights for sample code are waived via CC0. Sample code is defined as all source code displayed within the prose of the documentation.

CC0: <http://creativecommons.org/publicdomain/zero/1.0/>

====

Files located in the node_modules directory, and certain utilities used to build or test the software in the test and dist directories, are externally maintained libraries used by this software which have their own licenses; we recommend you read them, as their terms may differ from the terms above.

RequireJS.Text

Version: 2.0.7

Copyright © jQuery Foundation and other contributors, <https://jquery.org/>

Licensed under the MIT License

License terms available below and at: <https://github.com/requirejs/text/blob/master/LICENSE>

Source code available at: <https://github.com/requirejs/text>

This software consists of voluntary contributions made by many individuals. For exact contribution history, see the revision history available at <https://github.com/requirejs/text>

The following license applies to all parts of this software except as documented below:

====

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.

====

Copyright and related rights for sample code are waived via CC0. Sample code is defined as all source code displayed within the prose of the documentation.

CC0: <http://creativecommons.org/publicdomain/zero/1.0/>

Files located in the node_modules directory, and certain utilities used to build or test the software in the test and dist directories, are externally maintained libraries used by this software which have their own licenses; we recommend you read them, as their terms may differ from the terms above.

Stub.System.Data.SQLite.Core.NetFramework

Version: 1.0.115.5

All of the code and documentation in SQLite has been dedicated to the Public Domain by the authors.

Copyright © 2004-2008 Hipp, Wyrick & Company, Inc.

License terms available at:

- [Public Domain: The Unlicense](#)
- <https://www.sqlite.org/copyright.html>

Source code available at: <https://www.nuget.org/packages/Stub.System.Data.SQLite.Core.NetFramework>

System components that are Public Domain

All of the code and documentation in SQLite has been dedicated to the Public Domain by the authors.

License terms available at:

- [Public Domain: The Unlicense](#)
- <https://www.sqlite.org/copyright.html>

Components list/source code available at:

- System.Data.SQLite, Version 1.0.115.5:
<https://www.nuget.org/packages/System.Data.SQLite>
- System.Data.SQLite.Core, Version 1.0.115.5:
<https://www.nuget.org/packages/System.Data.SQLite.Core>
- System.Data.SQLite.EF6, Version 1.0.115.5:
<https://www.nuget.org/packages/System.Data.SQLite.EF6>
- System.Data.SQLite.Linq, Version 1.0.115.5:
<https://www.nuget.org/packages/System.Data.SQLite.Linq>

System components that use the Microsoft .NET Library license

Copyright © Microsoft Corporation. All rights reserved.

Licensed under the Microsoft .NET Library license.

License terms available at:

- [Microsoft .NET Library](#)
- https://dotnet.microsoft.com/en-us/dotnet_library_license.htm

Components list/source code available at:

- System.Data.Common, Version 4.3.0:
<https://www.nuget.org/packages/System.Data.Common>

System components that use the MIT license

Copyright © .NET Foundation and Contributors

Licensed under the MIT License

License terms available at:

- MIT License
- <https://github.com/dotnet/corefx/blob/master/LICENSE.TXT>

Components list/source code available at:

- System Buffers, Version 4.5.1:
<https://www.nuget.org/packages/System.Buffers>
- System.Collections.Immutable, Version 1.7.1:
<https://www.nuget.org/packages/System.Collections.Immutable>
- System.Data.SqlClient, Version 4.8.5:
<https://www.nuget.org/packages/System.Data.SqlClient>
- System.DirectoryServices.AccountManagement, Version 6.0.0:
<https://www.nuget.org/packages/System.DirectoryServices.AccountManagement>
- System.Memory, Version 4.5.4:
<https://www.nuget.org/packages/System.Memory>
- System.Numerics.Vectors, Version 4.5.0:
<https://www.nuget.org/packages/System.Numerics.Vectors>
- System.Runtime.CompilerServices.Unsafe, Version 6.0.0:
<https://www.nuget.org/packages/System.Runtime.CompilerServices.Unsafe>
- System.Security.Principal.Windows, Version 5.0.0:
<https://www.nuget.org/packages/system.security.principal.windows>
- System.ValueTuple, Version 4.4.0:
<https://www.nuget.org/packages/System.ValueTuple>

TaskScheduler

Version: 2.10.1

Copyright © 2002-2021

Licensed under the MIT License

License terms available at:

- MIT License
- <https://licenses.nuget.org/MIT>

Source code available at: <https://www.nuget.org/packages/TaskScheduler>

WebGrease

Version: 1.6.0

Copyright © Microsoft Corporation

Licensed under the MS .NET Library License

License terms available at:

- [Microsoft .NET Library](#)
- https://www.microsoft.com/web/webpi/eula/aspnetcomponent_rtw_ENU.htm

Source code available at: <https://www.nuget.org/packages/WebGrease/1.6.0>

WpfAnimatedGif

Version: 2.0.2

Copyright © 2014. Thomas Levesque

Licensed under the Apache 2.0 License

License terms available at:

- [Apache License 2.0](#)
- <http://www.apache.org/licenses/LICENSE-2.0.txt>

Source code available at: <https://www.nuget.org/packages/WpfAnimatedGif>

Z.EntityFramework.Extensions

Version: 6.13.20

Purchased license from ZZZ Projects.

License terms available below and at: <https://zzzprojects.com/license-agreement>

Source code available at: <https://entityframework-extensions.net/>

License Agreement

IMPORTANT

PLEASE READ THIS END USER LICENCE AGREEMENT CAREFULLY BEFORE ATTEMPTING TO DOWNLOAD OR USE ANY CODES, DOCUMENTATION OR OTHER MATERIAL AVAILABLE THROUGH ZZZ PROJECTS.

This agreement is between you or the entity you represent and the ZZZ Projects company for any Software as published on the date of a Software purchase or renewal, terms incorporated by reference, terms applicable to other ZZZ Projects web site.

If you are entering into this Agreement on behalf of an entity, such as your employer, you represent that you have the legal authority to bind that entity. If you specify a company name in connection with purchasing for or ordering a Software, you will be deemed to have placed that order and to have entered into this Agreement on behalf of that organization or company.

Key terms are defined in Section 3.

1.0 SOFTWARES

A) Right to use:

We grant you the right to access and use the Software during the support and upgrade period and only in accordance with this Agreement. After the support and upgrades period or in case of a cancelled support and upgrades period, all the license keys that were set up during the support and upgrades period remain valid.

B) Distribution:

The possession of any license or free version doesn't allow you in any way to copy or reproduce the library unless otherwise agreed by a written consent with the ZZZ Projects company CEO. You are not permitted to distribute ZZZ Projects Software pursuant to this Section: as a standalone product; a similar product; or as a part of any product other than your integrated product.

C) Company Plan:

Each support and upgrade period is sold for a particular or a company who is allowed to share the previously bought licenses with all of its developers who own a developer seat only excluding any third parties. Any third parties who wishes to use the products developed by the company or particular who bought the product is allowed, but cannot customize it without the ZZZ Projects agreement.

D) Manner of use:

By accepting the term of this Agreement, you may not:

- i) Reverse engineer, decompile, disassemble or work around technical limitations in the Software, except to the extent that applicable law permits it despite these limitations;
- ii) Disable, tamper with or otherwise attempt to circumvent any mechanism that limits your use of the Software;

iii) Rent, lease, lend, resell, transfer, or sublicense any Software or portion thereof to or for third parties, except as explicitly permitted herein or in license terms that accompany any Software component;

iv) Use the Software for any purpose that is unlawful or prohibited by this Agreement; or

v) Use the Software in any manner that could damage, disable, overburden, or impair any ZZZ Projects Software, or the network(s) connected to any ZZZ Projects Software, or interfere with any other party's use and enjoyment of any Software.

E) Updates:

We may make changes to the Software from time to time, including: the availability of features; how long, how much or how often any given feature may be used; and feature dependencies upon other services or software.

F) Supports/Help:

You are eligible to collaborate in Issue Tracker. You are also eligible to communicate with us by mail.

2.0 CONDITIONS AND LIMITATIONS

A) No Trademark License:

The software license does not grant you rights to use ZZZ Projects name, logo, or trademarks.

B) Content Distribution:

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

If you distribute any portion of the content 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 content in compiled or object code form, you may only do so under a license that complies with this license.

C) Software is licensed "as-is":

ZZZ Projects warrants and represents to you that: the Software does not infringe upon or violate any third party patent, copyright, trade secret or other proprietary or intellectual property right. For avoidance of doubt, the Software is provided as is and without any warranty and ZZZ Projects makes no other express warranties, guarantees or conditions. To the extent permitted under your local laws, the contributors exclude the implied warranties of merchantability, fitness for a particular purpose.

D) Payment:

All payments are not refundable, for any reason.

E) Validity:

This License Agreement is valid without signature. It becomes effective upon the user's receipt of a license key.

F) Developer Seat:

"Developer Seat" means one developer using the ZZZ Project's library on his/her Workstation to perform any development. It does not include multiple developers sharing the library on one or more computers, even if their use is only part-time and/or is not concurrent.

3.0 DEFINITIONS:

Any reference in this Agreement to "day" will be a calendar day.

A) Content:

"Content" means documents, codes, photographs, videos, and other graphical, textual, or audio-visual content that may be subject to copyright protection that is available through the ZZZ Projects website.

B) Customer Data:

"Customer Data" means any content or other data, including all text, image files that are provided to us by, or on behalf of you, through your use of the Software for use by you or your authorized users. Customer Data does not include Submissions or any other Content or data that you submit to the Forum section or otherwise provided via the Software for public access.

C) Software:

"Software" means any information, documentation, codes that ZZZ Projects made available to you under this Agreement for your support and upgrades period.

D) Submissions

"Submissions" means Content, code, comments, feedback, suggestions, information or materials that you provide via the ZZZ Projects website or any Software for public access (rather than for your personal use or use by your authorized users). Submissions do not include Customer Data.

E) Company Plan

"Company Plan" means a per-company based support and upgrade period, or other ZZZ Projects granted benefit that permits access to and account services for the Software.

F) We and Us

"We" and "us" means ZZZ Projects Inc.

G) You and Your

“You” and “Your” means the person or entity accepting this Agreement to use the Software.

Third Party Copyright Notices: Dependencies

The following copyright notices are for Third Party Software that is a dependency of another component that is being used in the Frontend package. The license used by each component is also listed.

1. ansi-regex, Version 5.0.1
 - Copyright: Copyright © Sindre Sorhus <sindresorhus@gmail.com> (<https://sindresorhus.com>)
 - License: [MIT License](#)
2. ansi-sequence-parser, Version 1.1.0
 - Copyright: Copyright (c) 2014-23 Lloyd Brookes <75pound@gmail.com>
 - License: [MIT License](#)
3. ansi-styles, Versions 4.3.0
 - Copyright: Copyright © Sindre Sorhus <sindresorhus@gmail.com> (<https://sindresorhus.com>)
 - License: [MIT License](#)
4. asynckit, Version 0.4.0
 - Copyright: Copyright © 2016 Alex Indigo
 - License: [MIT License](#)
5. axios, Version 1.6.0
 - Copyright: Copyright (c) 2014-present Matt Zabriskie, (c) 2022 by Matt Zabriskie
 - License: [MIT License](#)
6. babel/parser, Version 7.22.10
 - Copyright: Copyright (c) 2012-2014 by various contributors
 - License: [MIT License](#)
7. babel/runtime, Version 7.19.0
 - Copyright: Copyright (c) 2014-present Sebastian McKenzie and other contributors, Copyright (c) 2014-present, Facebook, Inc.
 - License: [MIT License](#)

8. backbone, Version 1.4.1
 - Copyright: Copyright (c) 2010-2023 Jeremy Ashkenas, DocumentCloud
 - License: [MIT License](#)
9. big-integer, Version 1.6.51
 - License: Public domain; Unlicensed
10. bplist-parser, Version 0.2.0
 - Copyright: Copyright (c) 2012 Near Infinity Corporation
 - License: [MIT License](#)
11. braces, Version 3.0.2
 - Copyright: Copyright © 2014-2018, Jon Schlinkert.
 - License: [MIT License](#)
12. bundle-name, Version 3.0.0
 - Copyright: Copyright (c) Sindre Sorhus <sindresorhus@gmail.com> (<https://sindresorhus.com>)
 - License: [MIT License](#)
13. chartjs, Version 2.9.4
 - Copyright: Copyright © 2014-2022 Chart.js Contributors
 - License: [MIT License](#)
14. chartjs-color, Version 2.4.1
 - Copyright: Copyright (c) 2012 Heather Arthur
 - License: [MIT License](#)
15. chartjs-color-string, Version 0.6.0
 - Copyright: Copyright (c) 2011 Heather Arthur <fayearthur@gmail.com>
 - License: [MIT License](#)
16. cliui, Version 7.0.4
 - Copyright: Copyright © 2015, Contributors
 - License: [ISC License](#)
17. color-convert, Versions 1.9.3, 2.0.1
 - Copyright: Copyright © 2011-2016 Heather Arthur <fayearthur@gmail.com>
Copyright © 2016-2021, Josh Junon <josh@junon.me>.

- License: [MIT License](#)
18. color-name, Versions 1.1.3, 1.1.4
 - Copyright: Copyright © 2015 Dmitry Ivanov
 - License: [MIT License](#)
 19. combined-stream, Version 1.0.8
 - Copyright: Copyright © 2011 Debuggable Limited <felix@debuggable.com>
 - License: [MIT License](#)
 20. core-js, Version 3.25.1
 - Copyright: Copyright © 2014-2023 Denis Pushkarev
 - License: [MIT License](#)
 21. core-util-is, Version 1.0.3
 - Copyright: Copyright Node.js contributors. All rights reserved.
 - License: [MIT License](#)
 22. cross-spawn, Version 7.0.3
 - Copyright: Copyright © 2018 Made With MOXY Lda <hello@moxy.studio>
 - License: [MIT License](#)
 23. csstype, Version 3.1.2
 - Copyright: Copyright © 2017-2018 Fredrik Nicol
 - License: [MIT License](#)
 24. default-browser, Version 4.0.0
 - Copyright: Copyright (c) Sindre Sorhus <sindresorhus@gmail.com> (<https://sindresorhus.com>)
 - License: [MIT License](#)
 25. default-browser-id, Version 3.0.0
 - Copyright: Copyright (c) Sindre Sorhus <sindresorhus@gmail.com> (<https://sindresorhus.com>)
 - License: [MIT License](#)
 26. define-lazy-prop, Version 3.0.0
 - Copyright: Copyright (c) Sindre Sorhus <sindresorhus@gmail.com> (<https://sindresorhus.com>)

- License: [MIT License](#)
27. delayed-stream, Version 1.0.0
 - Copyright: Copyright © 2011 Debuggable Limited <felix@debuggable.com>
 - License: [MIT License](#)
 28. devexpress-diagram, Version 2.1.31
 - Copyright: Copyright © 2011-2023 Developer Express Inc.
 - License: <https://www.devexpress.com/support/eulas/>
 29. devexpress-diagram, Version 2.1.72
 - Copyright: Copyright © 2011-2023 Developer Express Inc.
 - License: <https://www.devexpress.com/support/eulas/>
 30. devexpress-gantt, Version 4.1.43
 - Copyright: Copyright © 2011-2023 Developer Express Inc.
 - License: <https://www.devexpress.com/support/eulas/>
 31. devexpress/utils, Versions 1.3.16, 1.4.1
 - Copyright: Copyright © 2011-2023 Developer Express Inc.
 - License: <https://www.devexpress.com/support/eulas/>
 32. devextreme, Version 22.2.6
 - Copyright: Copyright © 2011-2023 Developer Express Inc.
 - License: <https://www.devexpress.com/support/eulas/>
 33. devextreme-quill, Version 1.5.20
 - Copyright: Copyright © 2011-2023 Developer Express Inc.
 - License: [BSD 3-Clause "New" or "Revised" License \(BSD-3-Clause\)](#)
 34. devextreme/runtime, Version 3.0.11
 - Copyright: Copyright © 2011-2023 Developer Express Inc.
 - License: <https://www.devexpress.com/support/eulas/>
 35. devextreme-showdown, Version 1.0.1
 - Copyright: Copyright © 2011-2023 Developer Express Inc.
 - License: [BSD 3-Clause "New" or "Revised" License \(BSD-3-Clause\)](#)

36. devextreme-vue, Version 22.2.6
 - Copyright: Copyright © 2011-2023 Developer Express Inc.
 - License: [MIT License](#)
37. domino, Version 2.1.6
 - Copyright: Copyright © 2011 The Mozilla Foundation
 - License: [BSD 3-Clause "New" or "Revised" License \(BSD-3-Clause\)](#)
38. emoji-regex, Version 8.0.0
 - Copyright: Copyright Mathias Bynens <<https://mathiasbynens.be/>>
 - License: [MIT License](#)
39. es6-object-assign, Version 1.1.0
 - Copyright: Copyright © 2015-2017 Ruben Norte <rubennorte@gmail.com>
 - License: [MIT License](#)
40. escalade, Version 3.1.1
 - Copyright: Copyright © Luke Edwards <luke.edwards05@gmail.com> (lukeed.-com)
 - License: [MIT License](#)
41. estree-walker, Version 2.0.2
 - Copyright: Copyright (c) 2015-20 these people (<https://github.com/Rich-Harris/estree-walker/graphs/contributors>)
 - License: [MIT License](#)
42. eventemitter3, Version 4.0.7
 - Copyright: Copyright (c) 2014 Arnout Kazemier
 - License: [MIT License](#)
43. execa, Versions 5.1.1, 7.1.1
 - Copyright: Copyright (c) Sindre Sorhus <sindresorhus@gmail.com> (sindresorhus.com)
 - License: [MIT License](#)
44. fast-diff, Version 1.2.0
 - Copyright: Copyright 2006 Google Inc.
 - License: [Apache License 2.0](#)

45. fast-glob, Version 3.3.0
 - Copyright: Copyright © Denis Malinochkin
 - License: [MIT License](#)
46. fastq, Version 1.13.0
 - Copyright: Copyright © 2015-2020, Matteo Collina <matteo.collina@gmail.com>
 - License: [ISC License](#)
47. file-saver, Version 2.0.5
 - Copyright: Copyright © 2016 Eli Grey.
 - License: [MIT License](#)
48. fill-range, Version 7.0.1
 - Copyright: Copyright © 2014-present, Jon Schlinkert.
 - License: [MIT License](#)
49. follow-redirects, Version 1.15.2
 - Copyright: Copyright 2014-present Olivier Lalonde <olalonde@gmail.com> , James Talmage <james@talmage.io> , Ruben Verborgh
 - License: [MIT License](#)
50. form-data, Version 4.0.0
 - Copyright: Copyright © 2012 Felix Geisendörfer (felix@debuggable.com) and contributors
 - License: [MIT License](#)
51. get-caller-file, Version 2.0.5
 - Copyright: Copyright 2018 Stefan Penner
 - License: [ISC License](#)
52. get-stream, Version 6.0.1
 - Copyright: Copyright (c) Sindre Sorhus <sindresorhus@gmail.com> (<https://sindresorhus.com>)
 - License: [MIT License](#)
53. glob-parent, Version 5.1.2
 - Copyright: Copyright © 2015, 2019 Elan Shanker, 2021 Blaine Bublitz <blaine.-bublitz@gmail.com>, Eric Schoffstall <yo@contra.io> and other contributors

- License: [ISC License](#)
54. human-signals, Versions 2.1.0, 4.3.1
 - Copyright: Copyright 2023 ehmicky <ehmicky@gmail.com>
 - License: [Apache License 2.0](#)
 55. immediate, Version 3.0.6
 - Copyright: Copyright (c) 2012 Barnesandnoble.com, llc, Donavon West, Domenic Denicola, Brian Cavalier
 - License: [MIT License](#)
 56. inferno, Version 7.4.11
 - Copyright: Copyright © 2015-2021 Dominic Gannaway
 - License: [MIT License](#)
 57. inferno-create-element, Version 7.4.11
 - Copyright: Copyright © 2015-2021 Dominic Gannaway
 - License: [MIT License](#)
 58. inferno-hydrate, Version 7.4.11
 - Copyright: Copyright © 2015-2021 Dominic Gannaway
 - License: [MIT License](#)
 59. inferno-shared, Version 7.4.11
 - Copyright: Copyright © 2015-2021 Dominic Gannaway
 - License: [MIT License](#)
 60. inferno-vnode-flags, Version 7.4.11
 - Copyright: Copyright © 2015-2021 Dominic Gannaway
 - License: [MIT License](#)
 61. inherits, Version 2.0.4
 - Copyright: Copyright © Isaac Z. Schlueter
 - License: [ISC License](#)
 62. isarray, Version 1.0.0
 - Copyright: Copyright (c) 2013 Julian Gruber <julian@juliangruber.com>
 - License: [MIT License](#)

63. is-docker, Versions 2.2.1, 3.0.0
 - Copyright: Copyright (c) Sindre Sorhus <sindresorhus@gmail.com> (<https://sindresorhus.com>)
 - License: [MIT License](#)
64. isexe, Version 2.0.0
 - Copyright: Copyright © 2016-2022 Isaac Z. Schlueter and Contributors
 - License: [ISC License](#)
65. is-extglob, Version 2.1.1
 - Copyright: Copyright © 2014-2016, Jon Schlinkert
 - License: [MIT License](#)
66. is-fullwidth-code-point, Version 3.0.0
 - Copyright: Copyright (c) Sindre Sorhus <sindresorhus@gmail.com> (<https://sindresorhus.com>)
 - License: [MIT License](#)
67. is-glob, Version 4.0.3
 - Copyright: Copyright © 2014-2017, Jon Schlinkert.
 - License: [MIT License](#)
68. is-inside-container, Version 1.0.0
 - Copyright: Copyright (c) Sindre Sorhus <sindresorhus@gmail.com> (<https://sindresorhus.com>)
 - License: [MIT License](#)
69. is-number, Version 7.0.0
 - Copyright: Copyright © 2014-present, Jon Schlinkert.
 - License: [MIT License](#)
70. is-stream, Versions 2.0.1, 3.0.0
 - Copyright: Copyright (c) Sindre Sorhus <sindresorhus@gmail.com> (<https://sindresorhus.com>)
 - License: [MIT License](#)
71. is-wsl, Version 2.2.0
 - Copyright: Copyright (c) Sindre Sorhus <sindresorhus@gmail.com> (<https://sindresorhus.com>)

- License: [MIT License](#)
72. jest-junit, Version 13.2.0
- Copyright: Copyright 2019 Jason Palmer
 - License: [Apache License 2.0](#)
73. jquery, Version 3.6.1
- Copyright: Copyright OpenJS Foundation and other contributors, <https://openjsf.org/>
 - License: [MIT License](#)
74. jquery-ui, Version 1.13.2
- Copyright: Copyright OpenJS Foundation and other contributors, <https://openjsf.org/>
 - License: [MIT License](#)
75. jquery-ui-dist, Version 1.13.2
- Copyright: Copyright OpenJS Foundation and other contributors, <https://openjsf.org/>
 - License: [MIT License](#)
76. jridgewell/sourcemap-codec, Version 1.4.15
- Copyright: Copyright © 2015 Rich Harris
 - License: [MIT License](#)
77. jsonc-parser, Version 3.2.0
- Copyright: Copyright Microsoft
 - License: [MIT License](#)
78. jszip, Version 3.10.1
- Copyright © 2009-2016 Stuart Knightley, David Duponchel, Franz Buchinger, António Afonso
 - License: [MIT License](#)
79. lie, Version 3.3.0
- Copyright: Copyright © 2014-2018 Calvin Metcalf, Jordan Harband
 - License: [MIT License](#)

80. lodash, Version 4.17.21
 - Copyright: Copyright OpenJS Foundation and other contributors <<https://openjsf.org/>>, Copyright Jeremy Ashkenas, DocumentCloud and Investigative Reporters & Editors , copyright Jeremy Ashkenas, DocumentCloud and Investigative Reporters & Editors <<http://underscorejs.org/>>
 - License: [MIT License](#)
81. lodash.clonedeep, Version 4.5.0
 - Copyright: Copyright jQuery Foundation and other contributors <<https://jquery.org/>>
 - License: [MIT License](#)
82. lodash.isequal, Version 4.5.0
 - Copyright: Copyright jQuery Foundation and other contributors <<https://jquery.org/>>
 - License: [MIT License](#)
83. lodash.merge, Version 4.6.2
 - Copyright: Copyright OpenJS Foundation and other contributors <<https://openjsf.org/>>
 - License: [MIT License](#)
84. magic-string, Version 0.30.3
 - Copyright: Copyright 2018 Rich Harris
 - License: [MIT License](#)
85. markdown-it-anchor, Version 8.6.7
 - License: Unlicensed
86. markdown-it-shiki, Version 0.8.1
 - Copyright: Copyright (c) 2020 Anthony Fu <<https://github.com/antfu>>
 - License: [MIT License](#)
87. mark.js, Version 8.11.1
 - Copyright: Copyright (c) 2014–2019 Julian Kühnel
 - License: [MIT License](#)

88. merge-stream, Version 2.0.0
 - Copyright: Copyright © 2013 Stephen Sugden <me@stephensugden.com> (stephensugden.com)
 - License: [MIT License](#)
89. merge2, Version 1.4.1
 - Copyright: Copyright © 2014-2022 Teambition
 - License: [MIT License](#)
90. micromatch, Version 4.0.5
 - Copyright: Copyright © 2014-present, Jon Schlinkert.
 - License: [MIT License](#)
91. mime-db, Version 1.52.0
 - Copyright: Copyright: Copyright © 2014 Jonathan Ong <me@jongleberry.com>; Copyright © 2015 Douglas Christopher Wilson <doug@somethingdoug.com>
 - License: [MIT License](#)
92. mime-types, Version 2.1.35
 - Copyright: Copyright © 2014 Jonathan Ong <me@jongleberry.com>; Copyright © 2015 Douglas Christopher Wilson <doug@somethingdoug.com>
 - License: [MIT License](#)
93. mimic-fn, Versions 2.1.0, 4.0.0
 - Copyright: Copyright (c) Sindre Sorhus <sindresorhus@gmail.com> (sindresorhus.com), (c) Sindre Sorhus (<https://sindresorhus.com>)
 - License: [MIT License](#)
94. mkdirp, Version 1.0.4
 - Copyright: Copyright (c) 2011-2023 James Halliday (mail@substack.net) and Isaac Z. Schlueter (i@izs.me)
 - License: [MIT License](#)
95. moment, Version 2.29.4
 - Copyright: Copyright © JS Foundation and other contributors
 - License: [MIT License](#)

96. moment-timezone, Version 0.5.37
 - Copyright: Copyright © JS Foundation and other contributors
 - License: [MIT License](#)
97. nanoid, Version 3.3.4
 - Copyright: Copyright 2017 Andrey Sitnik <andrey@sitnik.ru>
 - License: [MIT License](#)
98. nodelib/fs.scandir, Version 2.1.5
 - License: [MIT License](#)
99. nodelib/fs.stat, Version 2.0.5
 - License: [MIT License](#)
100. nodelib/fs.walk, Version 1.2.8
 - License: [MIT License](#)
101. npm-run-path, Versions 4.0.1, 5.1.0
 - Copyright: Copyright (c) Sindre Sorhus <sindresorhus@gmail.com> (sindresorhus.com), (c) Sindre Sorhus (<https://sindresorhus.com>)
 - License: [MIT License](#)
102. onetime, Versions 5.1.2, 6.0.0
 - Copyright: Copyright (c) Sindre Sorhus <sindresorhus@gmail.com> (<https://sindresorhus.com>)
 - License: [MIT License](#)
103. open, Version 9.1.0
 - Copyright: Copyright (c) Sindre Sorhus <sindresorhus@gmail.com> (<https://sindresorhus.com>)
 - License: [MIT License](#)
104. opencollective-postinstaller, Version 2.0.3
 - Copyright: Copyright © 2018 Open Collective
 - License: [MIT License](#)
105. pako, Version 1.0.11
 - Copyright: Copyright © 2014-2017 by Vitaly Puzrin and Andrei Tuputcyn
 - License: [MIT License](#); Zlib

106. parchment, Version 2.0.0-dev.2
 - Copyright: Copyright © 2015, Jason Chen
 - License: [BSD 3-Clause "New" or "Revised" License \(BSD-3-Clause\)](#)
107. path-key, Versions 3.1.1, 4.0.0
 - Copyright: Copyright © Sindre Sorhus <sindresorhus@gmail.com> (<https://sindresorhus.com>)
 - License: [MIT License](#)
108. picocolors, Version 1.0.0
 - Copyright: Copyright © 2021 Alexey Raspopov, Kostiantyn Denysov, Anton Verinov
 - License: [ISC License](#)
109. picomatch, Version 2.3.1
 - Copyright: Copyright © 2017-present, Jon Schlinkert.
 - License: [MIT License](#)
110. pinia, Version 2.0.22
 - Copyright: Copyright (c) 2019-present Eduardo San Martin Morote, (c) 2022 Eduardo San Martin Morote
 - License: [MIT License](#)
111. pkg-utils, Version 2.4.1
 - Copyright: Copyright (c) 2019 JounQin/UnTS
 - License: [MIT License](#)
112. postcss, Version 8.4.21
 - Copyright: Copyright 2013 Andrey Sitnik <andrey@sitnik.ru>
 - License: [MIT License](#)
113. postcss-place, Version 7.0.5
 - License: [Creative Commons Zero Universal \(CC0-1.0\)](#)
114. process-nextick-args, Version 2.0.1
 - Copyright: Copyright © 2015 Calvin Metcalf
 - License: [MIT License](#)

115. proxy-from-env, Version 1.1.0
 - Copyright: Copyright (C) 2016-2018 Rob Wu <rob@robwu.nl>
 - License: [MIT License](#)
116. queue-microtask, Version 1.2.3
 - Copyright: Copyright © Feross Aboukhadijeh
 - License: [MIT License](#)
117. quill-delta, Version 4.2.2
 - Copyright: Copyright © 2014 Jason Chen
 - License: [MIT License](#)
118. readable-stream, Version 2.3.7
 - Copyright: Copyright Joyent, Inc. and other Node contributors.
 - License: [MIT License](#)
119. regenerator-runtime, Version 0.13.9
 - Copyright: Copyright © 2014-present, Facebook, Inc.
 - License: [MIT License](#)
120. require-directory, Version 2.1.1
 - Copyright: Copyright © 2011 Troy Goode <troygoode@gmail.com>
 - License: [MIT License](#)
121. reusify, Version 1.0.4
 - Copyright: Copyright © 2015 Matteo Collina
 - License: [MIT License](#)
122. rrule, Version 2.7.2
 - Copyright: Copyright 2010, Jakub Roztocil <jakkub@roztocil.name> and Lars Schoning
 - License: [BSD 3-Clause "New" or "Revised" License \(BSD-3-Clause\)](#)
123. run-applescript, Version 5.0.0
 - Copyright: Copyright (c) Sindre Sorhus <sindresorhus@gmail.com> (<https://sindresorhus.com>)
 - License: [MIT License](#)

124. run-parallel, Version 1.2.0
 - Copyright: Copyright © Feross Aboukhadijeh
 - License: [MIT License](#)
125. safe-buffer, Version 5.1.2
 - Copyright: Copyright © Feross Aboukhadijeh (<http://feross.org>)
 - License: [MIT License](#)
126. setimmediate, Version 1.0.5
 - Copyright: Copyright © 2012 Barnesandnoble.com, llc, Donavon West, and Domenic Denicola
 - License: [MIT License](#)
127. shebang-command, Version 2.0.0
 - Copyright: Copyright © Kevin Mårtensson <kevinmartensson@gmail.com> (github.com/kevva)
 - License: [MIT License](#)
128. shebang-regex, Version 3.0.0
 - Copyright: Copyright © Sindre Sorhus <sindresorhus@gmail.com> (<https://sindresorhus.com>)
 - License: [MIT License](#)
129. shiki, Version 0.14.2
 - Copyright: Copyright (c) 2021 Pine Wu
 - License: [MIT License](#)
130. signal-exit, Version 3.0.7
 - Copyright: Copyright © 2015-2023 Benjamin Coe, Isaac Z. Schlueter, and Contributors
 - License: [ISC License](#)
131. source-map-js, Version 1.0.2
 - Copyright: Copyright © 2009-2011, Mozilla Foundation and contributors. All rights reserved.
 - License: [BSD 3-Clause "New" or "Revised" License \(BSD-3-Clause\)](#)

132. string-decoder, Version 1.1.1
 - Copyright: Copyright Joyent, Inc. and other Node contributors.
 - License: [MIT License](#)
133. string-width, Version 4.2.3
 - Copyright: Copyright © Sindre Sorhus <sindresorhus@gmail.com> (<https://sindresorhus.com>)
 - License: [MIT License](#)
134. strip-ansi, Version 6.0.1
 - Copyright: Copyright © Sindre Sorhus <sindresorhus@gmail.com> (<https://sindresorhus.com>)
 - License: [MIT License](#)
135. strip-final-newline, Versions 2.0.0, 3.0.0
 - Copyright: Copyright (c) Sindre Sorhus <sindresorhus@gmail.com> (<https://sindresorhus.com>)
 - License: [MIT License](#)
136. synckit, Version 0.8.5
 - Copyright: Copyright (c) 2021 UnTS
 - License: [MIT License](#)
137. titleize, Version 3.0.0
 - Copyright: Copyright (c) Sindre Sorhus <sindresorhus@gmail.com> (<https://sindresorhus.com>)
 - License: [MIT License](#)
138. to-regexp-range, Version 5.0.1
 - Copyright: Copyright © 2015-present, Jon Schlinkert.
 - License: [MIT License](#)
139. tslib, Versions 2.0.1, 2.3.1, 2.5.2, 2.6.2
 - Copyright: Copyright © Microsoft Corporation
 - License: [BSD Zero Clause License](#)
140. turndown, Version 7.1.1
 - Copyright: Copyright © 2017 Dom Christie
 - License: [MIT License](#)

141. types/file-saver, Version 2.0.5
 - Copyright: Copyrights are respective of each contributor listed at the beginning of each definition file.
 - License: [MIT License](#)
142. types/web-bluetooth, Version 0.0.16
 - Copyright: Copyright (c) Microsoft Corporation
 - License: [MIT License](#)
143. underscore, Version 1.13.4
 - Copyright: Copyright (c) 2009-2022 Jeremy Ashkenas, Julian Gonggrijp, and DocumentCloud and Investigative Reporters & Editors
 - License: [MIT License](#)
144. untildify, Version 4.0.0
 - Copyright: Copyright (c) Sindre Sorhus <sindresorhus@gmail.com> (<https://sindresorhus.com>)
 - License: [MIT License](#)
145. util-deprecate, Version 1.0.2
 - Copyright: Copyright © 2014 Nathan Rajlich <nathan@tootallnate.net>
 - License: [MIT License](#)
146. uuid, Version 8.3.2
 - Copyright: Copyright (c) 2010-2020 Robert Kieffer and other contributors, Copyright 2011, Sebastian Tschan <https://blueimp.net>, Copyright (c) Paul Johnston 1999 - 2009 Other contributors Greg Holt, Andrew Kepert, Ydnar, Lostinet
 - License: [MIT License](#)
147. vscode-oniguruma, Version 1.70
 - Copyright: Copyright (c) Microsoft Corporation.
 - License: [MIT License](#)
148. vscode-textmate, Version 8.0.0
 - Copyright: Copyright (c) Microsoft Corporation
 - License: [MIT License](#)

149. vue, Version 3.3.4
 - Copyright: Copyright © 2017 Kadir Inc. <hello@kadir.io>; Copyright © 2018-present, Yuxi (Evan) You
 - License: [MIT License](#)
150. vue/compiler-core, Version 3.3.4
 - Copyright: Copyright © 2018-present, Yuxi (Evan) You
 - License: [MIT License](#)
151. vue/compiler-dom, Version 3.3.4
 - Copyright: Copyright © 2018-present, Yuxi (Evan) You
 - License: [MIT License](#)
152. vue/compiler-sfc, Version 3.3.4
 - Copyright: Copyright © 2018-present, Yuxi (Evan) You
 - License: [MIT License](#)
153. vue/compiler-ssr, Version 3.3.4
 - Copyright: Copyright © 2018-present, Yuxi (Evan) You
 - License: [MIT License](#)
154. vue/devtools-api, Version 6.5.0
 - Copyright: Copyright © 2014-present Evan You
 - License: [MIT License](#)
155. vue/reactivity, Version 3.3.4
 - Copyright: Copyright © 2018-present, Yuxi (Evan) You
 - License: [MIT License](#)
156. vue/reactivity-transform, Version 3.3.4
 - Copyright: Copyright © 2018-present, Yuxi (Evan) You
 - License: [MIT License](#)
157. vue/runtime-core, Version 3.3.4
 - Copyright: Copyright © 2018-present, Yuxi (Evan) You
 - License: [MIT License](#)

158. vue/runtime-dom, Version 3.3.4
 - Copyright: Copyright © 2018-present, Yuxi (Evan) You
 - License: [MIT License](#)
159. vue/server-renderer, Version 3.3.4
 - Copyright: Copyright © 2018-present, Yuxi (Evan) You
 - License: [MIT License](#)
160. vue/shared, Version 3.3.4
 - Copyright: Copyright © 2018-present, Yuxi (Evan) You
 - License: [MIT License](#)
161. vue-demi, Version 0.13.11
 - Copyright: Copyright © 2020-present, Anthony Fu
 - License: [MIT License](#)
162. vue-router, Version 4.2.4
 - Copyright: Copyright (c) 2019-present Eduardo San Martin Morote, (c) 2022 Eduardo San Martin Morote
 - License: [MIT License](#)
163. vueuse/core, Version 9.13.0
 - Copyright: Copyright (c) 2019-PRESENT Anthony Fu <<https://github.com/antfu>>
 - License: [MIT License](#)
164. vueuse/metadata, Version 9.13.0
 - Copyright: Copyright (c) 2019-PRESENT Anthony Fu <<https://github.com/antfu>>
 - License: [MIT License](#)
165. vueuse/shared, Version 9.13.0
 - Copyright: Copyright (c) 2019-PRESENT Anthony Fu <<https://github.com/antfu>>
 - License: [MIT License](#)
166. vuex, Version 4.0.2
 - Copyright: Copyright © 2015-present Evan You
 - License: [MIT License](#)

167. which, Version 2.0.2
- Copyright: Copyright © Isaac Z. Schlueter and Contributors
 - License: [ISC License](#)
168. wrap-ansi, Version 7.0.0
- Copyright: Copyright © Sindre Sorhus <sindresorhus@gmail.com> (sindresorhus.com)
 - License: [MIT License](#)
169. xml, Version 1.0.1
- Copyright: Copyright (c) 2011-2017 Dylan Greene <dylang@gmail.com>
 - License: [MIT License](#)
170. y18n, Version 5.0.8
- Copyright: Copyright © 2015
 - License: [ISC License](#)
171. yargs, Version 17.5.1
- Copyright: Copyright 2010 James Halliday (mail@substack.net); Modified work Copyright 2014 Contributors (ben@npmjs.com)
 - License: [MIT License](#)
172. yargs-parser, Version 21.1.1
- Copyright: Copyright © 2016
 - License: [ISC License](#)

License Agreements: License Text

The license text for the following commonly used licenses are included below:

- [Apache License 2.0](#)
- [BSD Zero Clause License](#)
- [BSD 3-Clause "New" or "Revised" License \(BSD-3-Clause\)](#)
- [Creative Commons Zero Universal \(CC0-1.0\)](#)
- [ISC License](#)
- [Microsoft EULA](#)
- [Microsoft .NET Library](#)
- [Microsoft Public License \(Ms-PL\)](#)
- [MIT License](#)
- [Public Domain: The Unlicense](#)

Apache License 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: How to apply the Apache License to your work](#). below).

"Derivative Works" shall mean any work, whether in Source or Object form, that is based on (or derived from) the Work and for which the editorial revisions, annotations, elaborations, or other modifications represent, as a whole, an original work of authorship. For the purposes of this License, Derivative Works shall not include works that remain separable from, or merely link (or bind by name) to the interfaces of, the Work and Derivative Works thereof.

"Contribution" shall mean any work of authorship, including the original version of the Work and any modifications or additions to that Work or Derivative Works thereof, that is intentionally submitted to Licensor for inclusion in the Work by the copyright owner or by an individual or Legal Entity authorized to submit on behalf of the copyright owner. For the purposes of this definition, "submitted" means any form of electronic, verbal, or written communication sent to the Licensor or its representatives, including but not limited to communication on electronic mailing lists, source code control systems, and issue tracking systems that are managed by, or on behalf of, the Licensor for the purpose of discussing and improving the Work, but excluding communication that is conspicuously marked or otherwise designated in writing by the copyright owner as "Not a Contribution."

"Contributor" shall mean Licensor and any individual or Legal Entity on behalf of whom a Contribution has been received by Licensor and subsequently incorporated within the Work.

2. Grant of Copyright License. Subject to the terms and conditions of this License, each Contributor hereby grants to You a perpetual, worldwide, non-exclusive, no-charge, royalty-free, irrevocable copyright license to reproduce, prepare Derivative Works of, publicly display, publicly perform, sublicense, and distribute the Work and such Derivative Works in Source or Object form.
3. Grant of Patent License. Subject to the terms and conditions of this License, each Contributor hereby grants to You a perpetual, worldwide, non-exclusive, no-charge, royalty-free, irrevocable (except as stated in this section) patent license to make, have made, use, offer to sell, sell, import, and otherwise transfer the Work, where such license applies only to those patent claims licensable by such Contributor that are necessarily infringed by their Contribution(s) alone or by combination of their Contribution(s) with the Work to which such Contribution(s) was submitted. If You institute patent litigation against any entity (including a cross-claim or counterclaim in a lawsuit) alleging that the Work or a Contribution incorporated within the Work constitutes direct or contributory patent infringement, then any patent licenses granted to You under this License for that Work shall terminate as of the date such litigation is filed.
4. Redistribution. You may reproduce and distribute copies of the Work or Derivative Works thereof in any medium, with or without modifications, and in Source or Object form, provided that You meet the following conditions:
 - (a) You must give any other recipients of the Work or Derivative Works a copy of this License; and
 - (b) You must cause any modified files to carry prominent notices stating that You changed the files; and

(c) You must retain, in the Source form of any Derivative Works that You distribute, all copyright, patent, trademark, and attribution notices from the Source form of the Work, excluding those notices that do not pertain to any part of the Derivative Works; and

(d) If the Work includes a "NOTICE" text file as part of its distribution, then any Derivative Works that You distribute must include a readable copy of the attribution notices contained within such NOTICE file, excluding those notices that do not pertain to any part of the Derivative Works, in at least one of the following places: within a NOTICE text file distributed as part of the Derivative Works; within the Source form or documentation, if provided along with the Derivative Works; or, within a display generated by the Derivative Works, if and wherever such third-party notices normally appear. The contents of the NOTICE file are for informational purposes only and do not modify the License. You may add Your own attribution notices within Derivative Works that You distribute, alongside or as an addendum to the NOTICE text from the Work, provided that such additional attribution notices cannot be construed as modifying the License.

You may add Your own copyright statement to Your modifications and may provide additional or different license terms and conditions for use, reproduction, or distribution of Your modifications, or for any such Derivative Works as a whole, provided Your use, reproduction, and distribution of the Work otherwise complies with the conditions stated in this License.

5. Submission of Contributions. Unless You explicitly state otherwise, any Contribution intentionally submitted for inclusion in the Work by You to the Licensor shall be under the terms and conditions of this License, without any additional terms or conditions.

Notwithstanding the above, nothing herein shall supersede or modify the terms of any separate license agreement you may have executed with Licensor regarding such Contributions.

6. Trademarks. This License does not grant permission to use the trade names, trademarks, service marks, or product names of the Licensor, except as required for reasonable and customary use in describing the origin of the Work and reproducing the content of the NOTICE file.
7. Disclaimer of Warranty. Unless required by applicable law or agreed to in writing, Licensor provides the Work (and each Contributor provides its Contributions) on an "AS IS" BASIS, WITHOUT WARRANTIES OR CONDITIONS OF ANY KIND, either express or implied, including, without limitation, any warranties or conditions of TITLE, NON-INFRINGEMENT, MERCHANTABILITY, or FITNESS FOR A PARTICULAR PURPOSE. You are solely responsible for determining the appropriateness of using or redistributing the Work and assume any risks associated with Your exercise of permissions under this License.

8. **Limitation of Liability.** In no event and under no legal theory, whether in tort (including negligence), contract, or otherwise, unless required by applicable law (such as deliberate and grossly negligent acts) or agreed to in writing, shall any Contributor be liable to You for damages, including any direct, indirect, special, incidental, or consequential damages of any character arising as a result of this License or out of the use or inability to use the Work (including but not limited to damages for loss of goodwill, work stoppage, computer failure or malfunction, or any and all other commercial damages or losses), even if such Contributor has been advised of the possibility of such damages.
9. **Accepting Warranty or Additional Liability.** While redistributing the Work or Derivative Works thereof, You may choose to offer, and charge a fee for, acceptance of support, warranty, indemnity, or other liability obligations and/or rights consistent with this License. However, in accepting such obligations, You may act only on Your own behalf and on Your sole responsibility, not on behalf of any other Contributor, and only if You agree to indemnify, defend, and hold each Contributor harmless for any liability incurred by, or claims asserted against, such Contributor by reason of your accepting any such warranty or additional liability.

END OF TERMS AND CONDITIONS

APPENDIX: How to apply the Apache License to your work.

To apply the Apache License to your work, attach the following boilerplate notice, with the fields enclosed by brackets "[]" replaced with your own identifying information. (Don't include the brackets!) The text should be enclosed in the appropriate comment syntax for the file format. We also recommend that a file or class name and description of purpose be included on the same "printed page" as the copyright notice for easier identification within third-party archives.

Copyright [yyyy] [name of copyright owner]

Licensed under the Apache License, Version 2.0 (the "License"); you may not use this file except in compliance with the License.

You may obtain a copy of the License at <http://www.apache.org/licenses/LICENSE-2.0>

Unless required by applicable law or agreed to in writing, software distributed under the License is distributed on an "AS IS" BASIS, WITHOUT WARRANTIES OR CONDITIONS OF ANY KIND, either express or implied.

See the License for the specific language governing permissions and limitations under the License.

BSD Zero Clause License

BSD Zero Clause License

Copyright (C) YEAR by AUTHOR EMAIL

Permission to use, copy, modify, and/or distribute this software for any purpose with or without fee is hereby granted.

THE SOFTWARE IS PROVIDED "AS IS" AND THE AUTHOR DISCLAIMS ALL WARRANTIES WITH REGARD TO THIS SOFTWARE INCLUDING ALL IMPLIED WARRANTIES OF MERCHANTABILITY AND FITNESS. IN NO EVENT SHALL THE AUTHOR BE LIABLE FOR ANY SPECIAL, DIRECT, INDIRECT, OR CONSEQUENTIAL DAMAGES OR ANY DAMAGES WHATSOEVER RESULTING FROM LOSS OF USE, DATA OR PROFITS, WHETHER IN AN ACTION OF CONTRACT, NEGLIGENCE OR OTHER TORTIOUS ACTION, ARISING OUT OF OR IN CONNECTION WITH THE USE OR PERFORMANCE OF THIS SOFTWARE.

BSD 3-Clause "New" or "Revised" License (BSD-3-Clause)

The BSD License

Copyright © <year> <owner>

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

- Redistributions of source code must retain the above copyright notice, this list of conditions and the following disclaimer.
- Redistributions in binary form must reproduce the above copyright notice, this list of conditions and the following disclaimer in the documentation and/or other materials provided with the distribution.
- Neither the name of the author nor the names of its contributors may be used to endorse or promote products derived from this software without specific prior written permission.

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

Creative Commons Zero Universal (CC0-1.0)

CC0 1.0 Universal License

CREATIVE COMMONS CORPORATION IS NOT A LAW FIRM AND DOES NOT PROVIDE LEGAL SERVICES. DISTRIBUTION OF THIS DOCUMENT DOES NOT CREATE AN ATTORNEY-CLIENT RELATIONSHIP. CREATIVE COMMONS PROVIDES THIS INFORMATION ON AN "AS-IS" BASIS. CREATIVE COMMONS MAKES NO WARRANTIES REGARDING THE USE OF THIS DOCUMENT OR THE INFORMATION OR WORKS PROVIDED HEREUNDER, AND DISCLAIMS LIABILITY FOR DAMAGES RESULTING FROM THE USE OF THIS DOCUMENT OR THE INFORMATION OR WORKS PROVIDED HEREUNDER.

Statement of Purpose

The laws of most jurisdictions throughout the world automatically confer exclusive Copyright and Related Rights (defined below) upon the creator and subsequent owner(s) (each and all, an "owner") of an original work of authorship and/or a database (each, a "Work").

Certain owners wish to permanently relinquish those rights to a Work for the purpose of contributing to a commons of creative, cultural and scientific works ("Commons") that the public can reliably and without fear of later claims of infringement build upon, modify, incorporate in other works, reuse and redistribute as freely as possible in any form whatsoever and for any purposes, including without limitation commercial purposes. These owners may contribute to the Commons to promote the ideal of a free culture and the further production of creative, cultural and scientific works, or to gain reputation or greater distribution for their Work in part through the use and efforts of others.

For these and/or other purposes and motivations, and without any expectation of additional consideration or compensation, the person associating CC0 with a Work (the "Affirmer"), to the extent that he or she is an owner of Copyright and Related Rights in the Work, voluntarily elects to apply CC0 to the Work and publicly distribute the Work under its terms, with knowledge of his or her Copyright and Related Rights in the Work and the meaning and intended legal effect of CC0 on those rights.

1. Copyright and Related Rights. A Work made available under CC0 may be protected by copyright and related or neighboring rights ("Copyright and Related Rights"). Copyright and Related Rights include, but are not limited to, the following:

- i. the right to reproduce, adapt, distribute, perform, display, communicate, and translate a Work;
- ii. moral rights retained by the original author(s) and/or performer(s);

- iii. publicity and privacy rights pertaining to a person's image or likeness depicted in a Work;
- iv. rights protecting against unfair competition in regards to a Work, subject to the limitations in paragraph 4(a), below;
- v. rights protecting the extraction, dissemination, use and reuse of data in a Work;
- vi. database rights (such as those arising under Directive 96/9/EC of the European Parliament and of the Council of 11 March 1996 on the legal protection of databases, and under any national implementation thereof, including any amended or successor version of such directive); and
- vii. other similar, equivalent or corresponding rights throughout the world based on applicable law or treaty, and any national implementations thereof.

2. Waiver. To the greatest extent permitted by, but not in contravention of, applicable law, Affirmer hereby overtly, fully, permanently, irrevocably and unconditionally waives, abandons, and surrenders all of Affirmer's Copyright and Related Rights and associated claims and causes of action, whether now known or unknown (including existing as well as future claims and causes of action), in the Work (i) in all territories worldwide, (ii) for the maximum duration provided by applicable law or treaty (including future time extensions), (iii) in any current or future medium and for any number of copies, and (iv) for any purpose whatsoever, including without limitation commercial, advertising or promotional purposes (the "Waiver"). Affirmer makes the Waiver for the benefit of each member of the public at large and to the detriment of Affirmer's heirs and successors, fully intending that such Waiver shall not be subject to revocation, rescission, cancellation, termination, or any other legal or equitable action to disrupt the quiet enjoyment of the Work by the public as contemplated by Affirmer's express Statement of Purpose.

3. Public License Fallback. Should any part of the Waiver for any reason be judged legally invalid or ineffective under applicable law, then the Waiver shall be preserved to the maximum extent permitted taking into account Affirmer's express Statement of Purpose. In addition, to the extent the Waiver is so judged Affirmer hereby grants to each affected person a royalty-free, non transferable, non sublicensable, non exclusive, irrevocable and unconditional license to exercise Affirmer's Copyright and Related Rights in the Work (i) in all territories worldwide, (ii) for the maximum duration provided by applicable law or treaty (including future time extensions), (iii) in any current or future medium and for any number of copies, and (iv) for any purpose whatsoever, including without limitation commercial, advertising or promotional purposes (the "License"). The License shall be deemed effective as of the date CC0 was applied by Affirmer to the Work. Should any part of the License for any reason be judged legally invalid or ineffective under applicable law, such partial invalidity or ineffectiveness shall not invalidate the remainder of the License, and in such case Affirmer hereby affirms that he or she will not (i) exercise any of his or her remaining

Copyright and Related Rights in the Work or (ii) assert any associated claims and causes of action with respect to the Work, in either case contrary to Affirmer's express Statement of Purpose.

4. Limitations and Disclaimers.

- i. No trademark or patent rights held by Affirmer are waived, abandoned, surrendered, licensed or otherwise affected by this document.
- ii. Affirmer offers the Work as-is and makes no representations or warranties of any kind concerning the Work, express, implied, statutory or otherwise, including without limitation warranties of title, merchantability, fitness for a particular purpose, non infringement, or the absence of latent or other defects, accuracy, or the present or absence of errors, whether or not discoverable, all to the greatest extent permissible under applicable law.
- iii. Affirmer disclaims responsibility for clearing rights of other persons that may apply to the Work or any use thereof, including without limitation any person's Copyright and Related Rights in the Work. Further, Affirmer disclaims responsibility for obtaining any necessary consents, permissions or other rights required for any use of the Work.
- iv. Affirmer understands and acknowledges that Creative Commons is not a party to this document and has no duty or obligation with respect to this CC0 or use of the Work.

Additional languages available: Ελληνικά, Español, euskara, suomeksi, français, hrvatski, italiano, 日本語, 한국어, Lietuvių, latviski, Nederlands, polski, română, Slovenščina, svenska, 中文, 華語. Please read the FAQ for more information about official translations

ISC License

ISC License

<copyright notice>

Permission to use, copy, modify, and /or distribute this software for any purpose with or without fee is hereby granted, provided that the above copyright notice and this permission notice appear in all copies.

THE SOFTWARE IS PROVIDED "AS IS" AND THE AUTHOR DISCLAIMS ALL WARRANTIES WITH REGARD TO THIS SOFTWARE INCLUDING ALL IMPLIED WARRANTIES OF MERCHANTABILITY AND FITNESS. IN NO EVENT SHALL THE AUTHOR BE LIABLE FOR ANY SPECIAL, DIRECT, INDIRECT, OR CONSEQUENTIAL DAMAGES OR ANY DAMAGES WHATSOEVER RESULTING FROM LOSS OF USE, DATA OR PROFITS, WHETHER IN AN ACTION OF CONTRACT, NEGLIGENCE OR OTHER TORTIOUS ACTION, ARISING OUT OF OR IN CONNECTION WITH THE USE OR PERFORMANCE OF THIS SOFTWARE.

Microsoft EULA

MICROSOFT SOFTWARE LICENSE TERMS

MICROSOFT .NET LIBRARY

These license terms are an agreement between you and Microsoft Corporation (or based on where you live, one of its affiliates). They apply to the software named above. The terms also apply to any Microsoft services or updates for the software, except to the extent those have different terms.

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

1. INSTALLATION AND USE RIGHTS.

You may install and use any number of copies of the software to develop and test your applications.

2. THIRD PARTY COMPONENTS. The software may include third party components with separate legal notices or governed by other agreements, as may be described in the ThirdPartyNotices file(s) accompanying the software.

3. 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 applications 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 applications to copy and distribute the Distributable Code as part of those applications.

ii. Distribution Requirements. For any Distributable Code you distribute, you must

- use the Distributable Code in your applications and not as a stand-alone distribution;
- require distributors and external end users to agree to terms that protect it at least as much as this agreement; and

- indemnify, defend, and hold harmless Microsoft from any claims, including attorneys' fees, related to the distribution or use of your applications, except to the extent that any claim is based solely on the unmodified Distributable Code.

iii. **Distribution Restrictions. You may not**

- use Microsoft's trademarks in your applications' names or in a way that suggests your applications come from or are endorsed by Microsoft; 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 of code, that (i) it be disclosed or distributed in source code form; or (ii) others have the right to modify it.

4. **DATA.**

a. **Data Collection.** The software may collect information about you and your use of the software, and send that to Microsoft. Microsoft may use this information to provide services and improve our products and services. You may opt-out of many of these scenarios, but not all, as described in the software documentation. There are also some features in the software that may enable you and Microsoft to collect data from users of your applications. If you use these features, you must comply with applicable law, including providing appropriate notices to users of your applications together with Microsoft's privacy statement. Our privacy statement is located at <https://go.microsoft.com/fwlink/?LinkID=824704>. You can learn more about data collection and its use from the software documentation and our privacy statement. Your use of the software operates as your consent to these practices.

b. **Processing of Personal Data.** To the extent Microsoft is a processor or sub-processor of personal data in connection with the software, Microsoft makes the commitments in the European Union General Data Protection Regulation Terms of the Online Services Terms to all customers effective May 25, 2018, at <https://docs.microsoft.com/en-us/legal/gdpr>.

5. **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, or otherwise attempt to derive the source code for the software, except and to the extent required by third party licensing terms governing use of certain open source components that may be included in the software;
 - remove, minimize, block or modify any notices of Microsoft or its suppliers in the software;
 - use the software in any way that is against the law; or
 - share, publish, rent or lease the software, provide the software as a stand-alone offering for others to use, or transfer the software or this agreement to any third party.
6. **EXPORT RESTRICTIONS.** You must comply with all domestic and international export laws and regulations that apply to the software, which include restrictions on destinations, end users, and end use. For further information on export restrictions, visit 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.** If you acquired the software in the United States, Washington law applies to interpretation of and claims for breach of this agreement, and the laws of the state where you live apply to all other claims. If you acquired the software in any other country, its laws apply.
 10. **CONSUMER RIGHTS; REGIONAL VARIATIONS.** This agreement describes certain legal rights. You may have other rights, including consumer rights, under the laws of your state or country. Separate and apart from your relationship with Microsoft, you may also have rights with respect to the party from which you acquired the software. This agreement does not change those other rights if the laws of your state or country do not permit it to do so. For example, if you acquired the software in one of the below regions, or mandatory country law applies, then the following provisions apply to you:
 - a. **Australia.** You have statutory guarantees under the Australian Consumer Law and nothing in this agreement is intended to affect those rights.
 - b. **Canada.** If you acquired this software in Canada, you may stop receiving updates by turning off the automatic update feature, disconnecting your device from the Internet (if and when you re-connect to the Internet, however, the

software will resume checking for and installing updates), or uninstalling the software. The product documentation, if any, may also specify how to turn off updates for your specific device or software.

c. **Germany and Austria.**

- i. **Warranty.** The software will perform substantially as described in any Microsoft materials that accompany it. However, Microsoft gives no contractual guarantee in relation to the software.
- ii. **Limitation of Liability.** In case of intentional conduct, gross negligence, claims based on the Product Liability Act, as well as in case of death or personal or physical injury, Microsoft is liable according to the statutory law.

Subject to the foregoing clause (ii), Microsoft will only be liable for slight negligence if Microsoft is in breach of such material contractual obligations, the fulfillment of which facilitate the due performance of this agreement, the breach of which would endanger the purpose of this agreement and the compliance with which a party may constantly trust in (so-called "cardinal obligations"). In other cases of slight negligence, Microsoft will not be liable for slight negligence

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. TO THE EXTENT PERMITTED UNDER YOUR LOCAL LAWS, MICROSOFT EXCLUDES THE IMPLIED WARRANTIES OF MERCHANTABILITY, FITNESS FOR A PARTICULAR PURPOSE AND NON-INFRINGEMENT.**
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 (a) anything related to the software, services, content (including code) on third party Internet sites, or third party applications; and (b) 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 state or country may not allow the exclusion or limitation of incidental, consequential or other damages.

Microsoft .NET Library

MICROSOFT SOFTWARE LICENSE TERMS

MICROSOFT .NET LIBRARY

These license terms are an agreement between you and Microsoft Corporation (or based on where you live, one of its affiliates). They apply to the software named above. The terms also apply to any Microsoft services or updates for the software, except to the extent those have different terms.

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

1. INSTALLATION AND USE RIGHTS.

You may install and use any number of copies of the software to develop and test your applications.

2. THIRD PARTY COMPONENTS. The software may include third party components with separate legal notices or governed by other agreements, as may be described in the ThirdPartyNotices file(s) accompanying the software.

3. 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 applications 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 applications to copy and distribute the Distributable Code as part of those applications.

ii. Distribution Requirements. For any Distributable Code you distribute, you must

- use the Distributable Code in your applications and not as a stand-alone distribution;
- require distributors and external end users to agree to terms that protect it at least as much as this agreement; and

- indemnify, defend, and hold harmless Microsoft from any claims, including attorneys' fees, related to the distribution or use of your applications, except to the extent that any claim is based solely on the unmodified Distributable Code.

iii. **Distribution Restrictions. You may not**

- use Microsoft's trademarks in your applications' names or in a way that suggests your applications come from or are endorsed by Microsoft; 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 of code, that (i) it be disclosed or distributed in source code form; or (ii) others have the right to modify it.

4. **DATA.**

- a. **Data Collection.** The software may collect information about you and your use of the software, and send that to Microsoft. Microsoft may use this information to provide services and improve our products and services. You may opt-out of many of these scenarios, but not all, as described in the software documentation. There are also some features in the software that may enable you and Microsoft to collect data from users of your applications. If you use these features, you must comply with applicable law, including providing appropriate notices to users of your applications together with Microsoft's privacy statement. Our privacy statement is located at <https://go.microsoft.com/fwlink/?LinkID=824704>. You can learn more about data collection and its use from the software documentation and our privacy statement. Your use of the software operates as your consent to these practices.
- b. **Processing of Personal Data.** To the extent Microsoft is a processor or sub-processor of personal data in connection with the software, Microsoft makes the commitments in the European Union General Data Protection Regulation Terms of the Online Services Terms to all customers effective May 25, 2018, at <https://learn.microsoft.com/en-us/legal/gdpr>.
5. **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, or otherwise attempt to derive the source code for the software, except and to the extent required by third party licensing terms governing use of certain open source components that may be included in the software;
 - remove, minimize, block or modify any notices of Microsoft or its suppliers in the software;
 - use the software in any way that is against the law; or
 - share, publish, rent or lease the software, provide the software as a stand-alone offering for others to use, or transfer the software or this agreement to any third party.
6. **EXPORT RESTRICTIONS.** You must comply with all domestic and international export laws and regulations that apply to the software, which include restrictions on destinations, end users, and end use. For further information on export restrictions, visit 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.** If you acquired the software in the United States, Washington law applies to interpretation of and claims for breach of this agreement, and the laws of the state where you live apply to all other claims. If you acquired the software in any other country, its laws apply.
 10. **CONSUMER RIGHTS; REGIONAL VARIATIONS.** This agreement describes certain legal rights. You may have other rights, including consumer rights, under the laws of your state or country. Separate and apart from your relationship with Microsoft, you may also have rights with respect to the party from which you acquired the software. This agreement does not change those other rights if the laws of your state or country do not permit it to do so. For example, if you acquired the software in one of the below regions, or mandatory country law applies, then the following provisions apply to you:
 - a. **Australia.** You have statutory guarantees under the Australian Consumer Law and nothing in this agreement is intended to affect those rights.
 - b. **Canada.** If you acquired this software in Canada, you may stop receiving updates by turning off the automatic update feature, disconnecting your device from the Internet (if and when you re-connect to the Internet, however, the

software will resume checking for and installing updates), or uninstalling the software. The product documentation, if any, may also specify how to turn off updates for your specific device or software.

c. **Germany and Austria.**

- i. **Warranty.** The software will perform substantially as described in any Microsoft materials that accompany it. However, Microsoft gives no contractual guarantee in relation to the software.
- ii. **Limitation of Liability.** In case of intentional conduct, gross negligence, claims based on the Product Liability Act, as well as in case of death or personal or physical injury, Microsoft is liable according to the statutory law.

Subject to the foregoing clause (ii), Microsoft will only be liable for slight negligence if Microsoft is in breach of such material contractual obligations, the fulfillment of which facilitate the due performance of this agreement, the breach of which would endanger the purpose of this agreement and the compliance with which a party may constantly trust in (so-called "cardinal obligations"). In other cases of slight negligence, Microsoft will not be liable for slight negligence

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. TO THE EXTENT PERMITTED UNDER YOUR LOCAL LAWS, MICROSOFT EXCLUDES THE IMPLIED WARRANTIES OF MERCHANTABILITY, FITNESS FOR A PARTICULAR PURPOSE AND NON-INFRINGEMENT.

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 (a) anything related to the software, services, content (including code) on third party Internet sites, or third party applications; and (b) 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 state or country may not allow the exclusion or limitation of incidental, consequential or other damages.

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.

MIT License

MIT License

Copyright © <year> <copyright holders>

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.

Public Domain: The Unlicense

Note

This is a public domain dedication.

Text

This is free and unencumbered software released into the public domain.

Anyone is free to copy, modify, publish, use, compile, sell, or distribute this software, either in source code form or as a compiled binary, for any purpose, commercial or non-commercial, and by any means.

In jurisdictions that recognize copyright laws, the author or authors of this software dedicate any and all copyright interest in the software to the public domain. We make this dedication for the benefit of the public at large and to the detriment of our heirs and successors. We intend this dedication to be an overt act of relinquishment in perpetuity of all present and future rights to this software under copyright law.

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 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.

For more information, please refer to [<https://unlicense.org/>](https://unlicense.org/)