Installation Guide

MultiTerm 2021 SR2

November 2021

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Legal notice

0 Legal notice

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About MultiTerm

About this guide

Welcome to the MultiTerm 2021 Installation Guide. This guide provides instructions for installing and configuring MultiTerm 2021.

Intended audience

This guide contains information for whoever is responsible for installing and maintaining MultiTerm (usually the MultiTerm administrator).

You are assumed to be familiar with standard Windows administration practices, such as managing a Windows user account.

Related documentation

- Trados GroupShare 2020 Installation Guide - for those installing MultiTerm Extract in a multi-user environment.
- MultiTerm Extract 2021 Tools Guide - A user guide for the terminology extraction tool - MultiTerm Extract.

Accessing RWS documentation

You can check the help for all Translation Productivity products on the Documentation Center .

About MultiTerm

Local and remote termbases

MultiTerm Desktop is a scalable solution that can be used in single-user or multi-user setups. In a single-user setup, termbases are stored on the local computer. In a multi-user setup, termbases are stored on a remote database server and accessed over the network.

Data storage

uses Microsoft Jet to store termbase data locally and Microsoft SQL Server (or SQL Server Express) to store termbase data remotely.

MultiTerm XML data format

MultiTerm termbase data is stored in an XML format, MultiTerm XML (MTF.XML). Other termbase elements, such as the termbase definition and objects are also XML compliant. The use of XML enables quick and easy exchange of data between users.

Language support

MultiTerm Desktop is Unicode-compliant and therefore supports a wide range of languages, including bi-directional and double-byte character set languages. For example, termbase fields can include a mixture of languages.

Note that to use non-Western languages, the relevant language support must be installed on your computer.

Note:

- If you want compatibility across different language, enter the names of termbase definitions and termbase objects in ASCII.

MultiTerm Interface with Trados Studio

Trados Studio includes its own MultiTerm interface, so you can use MultiTerm termbases from Trados Studio without installing MultiTerm Desktop.

Editions of MultiTerm

MultiTerm is shipped in four editions:

- MultiTerm Desktop (MultiTerm, MultiTerm Convert, MultiTerm Widget)
- MultiTerm Widget
- MultiTerm Server

MultiTerm Desktop

MultiTerm Desktop is the MultiTerm edition that is installed on the desktop. It can use local termbases and can also use remote termbases that are managed by MultiTerm Server.

MultiTerm Desktop includes MultiTerm Convert and MultiTerm Widget.

This guide describes the installation of MultiTerm Desktop.

MultiTerm Widget

MultiTerm Widget is a simple application that captures text from your screen and finds definitions in MultiTerm termbases, or by using Internet search engines.

MultiTerm Server

MultiTerm Server is the server component for corporate and enterprise customers as well as language service providers (LSPs).

Termbases and associated data are usually stored in a Microsoft SQL Server, but you can use Microsoft SQL Server Express.

MultiTerm Desktop components

MultiTerm Desktop

You can use MultiTerm to access termbase data stored on the local computer, and also as a client to access termbases managed by MultiTerm Server.

Access to termbases stored on MultiTerm Server can be restricted by the MultiTerm Server administrator.

MultiTerm Desktop also includes the following components:

- "MultiTerm Widget " on page 4
- "MultiTerm Convert " on page 4

MultiTerm Extract is now a standalone product that can be downloaded here .

MultiTerm Widget

MultiTerm Widget can be installed as a component of MultiTerm. It can also be installed on its own.

MultiTerm Widget captures text from your screen and finds definitions in MultiTerm termbases or by using Internet search engines.

MultiTerm Convert

MultiTerm Convert is a stand-alone tool that converts terminology data to MultiTerm XML format. It can convert data that is in the following formats:

File type	File name extension
Trados MultiTerm 5	.mtw
MultiTerm Desktop	.tdb
MultiTerm Online	.mdb
OLIF (Open Lexicon Interchange Format)	.xml
Microsoft Excel	.xls .xlsx
Spreadsheet and Database Exchange	.txt .csv
Termbase Exchange (Termbase eXchange Format)	.tbx .xml

You can also purchase an extra MultiTerm component separately.

1 About MultiTerm

2

Installing MultiTerm Desktop

System Requirements

Hardware

As a minimum requirement, we recommend an Intel or compatible CPU-based computer with 2 GB RAM and a screen resolution of 1024x768. For optimum performance, we recommend 4 GB RAM and a recent Intel or compatible CPU.

Supported Operating Systems (OS)

- MultiTerm 2021 SR2 runs on the latest build of Windows 11, Windows 10 and the latest updated version of Windows 8.1 and the latest service-packed version of Windows 7. MultiTerm 2021 SR2 also supports Windows Server 2016, Windows Server 2012 R2 and Windows Server 2008 R2.
- Limited support for Windows 7. Microsoft has recently stopped support for Windows 7. As a result, we are no longer testing MultiTerm on Windows 7. However, MultiTerm continues to work on Windows 7 as we have not made any changes that could affect the MultiTerm functionality on this operating system.
- MultiTerm 2021 SR2 does not support earlier operating systems such as Windows 8, Windows Vista, Windows XP and Windows 2003 Server.

Installing MultiTerm Desktop

Before you start

If you intend to use termbases that have been created in previous versions of MultiTerm, review **"Upgrading from Previous MultiTerm Installations "** on page 12.

Ensure that you have administrator rights.

Third-party software

MultiTerm needs Microsoft Internet Explorer and the following third party applications. It will install them if they are not already installed:

- Microsoft .NET Framework version 4.8. In some cases, installing this requires a reboot. This is usually installed by the bootstrapper that runs prior to the MultiTerm client installer. It is also available from the Microsoft website.
- Microsoft Visual C++ 2008 Redistributable SP1. This is usually installed by the MultiTerm client installer. When running the MultiTerm client installer, it is unpacked to `%ProgramData%\Package Cache\SDL\Dependencies\2008_SP1_vcredist_x86.exe`.

This is also available for download from: http://www.microsoft.com/technet/security/bulletins/ms11-025.mspx. If a previous version of this C++ runtime is installed, Windows update will install the new version automatically.

- Microsoft Visual C++ 2013 Redistributable. This is usually installed by the MultiTerm client installer. When running the MultiTerm client installer, it is unpacked to `%ProgramData%\Package Cache\SDL\Dependencies\2013_vcredist_x86.exe`.
  This is also available for download here. If a previous version of this C++ runtime is installed, Windows Update will install the new version automatically.

Installation locations

The installation working files are extracted to the folder: `%ALLUSERSPROFILE%\Package Cache\SDL\MultiTermDesktop2021SR2`

By default, the installer installs MultiTerm under:

- For 32-bit Windows - `%programfiles%\SDL\SDL MultiTerm\Multiterm16`
- For 64-bit Windows - `%programfiles(x86)%\SDL\SDL MultiTerm\MultiTerm16`

The **Program Files** folder on your computer may have a different name if you are using a non-English operating system.

MultiTerm 2021 does not uninstall any previous versions of MultiTerm.

Installation log files

The installer logs significant actions to a log file.

- The log file for Windows 2003 is in: `%ALLUSERSPROFILE%\Application Data\SDL\Chainer\Logs`.
- The log file for Windows Vista and later is in: `%ALLUSERSPROFILE%\ SDL\ Chainer\ Logs`.

Note: By default, Windows sets the %ALLUSERSPROFILE% folder to be hidden, so you may need to change the Windows Explorer settings to find it.

Installing MultiTerm Desktop

Procedure

1. Go to My Account.
2. Select `Products & Plans > Downloads` on the website.
3. Select **Download** next to MultiTerm 2021 Desktop Installer. Run the installer to unpack the installation files and start the installation.
4. The MultiTerm Desktop Installer displays the End-User License Agreement. If you accept the terms, select **Next**.
5. On the next screen, choose the components to install and select **Next**. When you select the component, a description is displayed.

6. Choose an installation location. We recommend that you install to the default location. Avoid installing to the same directory used for any previous versions of MultiTerm. Select **Next**.
7. Review your selection of components. Select **Back** to change any options. Select **Next** to proceed with the installation.
8. The MultiTerm installer now installs the MultiTerm Desktop components.
9. If you are upgrading from a version of MultiTerm older than MultiTerm 2009, the old termbases are moved to another folder, and a screen displays this fact. Select **OK**.
10. When the components are installed, the final screen is displayed. Select **OK**.

    If you installed the MultiTerm Desktop Applications for Microsoft Word, the **MultiTerm** tab is added to the Word ribbon the next time you run Word.

    You can use the **MultiTerm** tab to access termbases and work with termbases data from Word.

Installing and uninstalling silently

Preparing for silent installation - extract product installers

Extract the installation files for the RWS products and the third-party software.

About this task

To do this, run the installer until the compressed files are all decompressed and extracted, and then before the installation takes place, stop the installer. The package containing the files is a self-extracting executable and can be decompressed with any decompressing utility that works with the .rar compression format.

The unpack location is:

```
%ALLUSERSPROFILE%\Package Cache\SDL\SDLMultiTermDesktop2021
```

About msiexec command-line options

Where the **msiexec** command is mentioned in the procedures described below, it is usually with command line options such as **/q** or **/l*x**. You can use different options. For more information about the command-line options for the **msiexec** command, see the website **msdn.microsoft.com** .

Installing the third-party software products

About this task

See also section Third-party software, above.

- Microsoft Windows Installer 3.1. This is not included in the Studio distribution package. The command line to silently install is :

```
<path to package> /quiet /norestart /log:<path to log file>
```

- Microsoft .NET Framework version 4.8. You can find this on the Microsoft web site here .
- Microsoft Visual C++ 2008 Redistributable SP1 with MFC update Command line to silently install:

```
"<Path to dir>\2008_SP1_vcredist_x86.exe" /q
```

- Microsoft Visual C++ 2013 Redistributable with MFC update Command line to silently install:

```
<Path to dir>\2013_vcredist_x86.exe" /q /norestart /log "<path to log
file>"
```

  This command may return an MSI error code if Visual C++ 2013 Redistributable is already installed.

- Microsoft Web Services Enhancements 2.0 SP3

```
msiexec /i "<Path to dir>\Microsoft WSE 2.0 SP3 runtime.msi" /qn /l*v
"<path to log file>"
```

Installing MultiTerm components

About this task

Typically, a silent installation will run automatically. If not, manually install the .msi files available in the following location: **%ALLUSERSPROFILE%\Package Cache\SDL\SDLMultiTermDesktop2021 \modules**.

Procedure

1. Click **Start > Run** and run the following command to install the two components required for MultiTerm Desktop:

   -
     ```
     msiexec.exe /i "<path to MTStudio16.msi file" /qn /l*v "<path to
     log file>.
     ```

   -
     ```
     msiexec.exe /i "<path to MTCore16.msi" /qn /l*v "<path to
     log file>.
     ```

2. Run the command again for any optional MultiTerm components that you require:
   - MTConvert16.msi
   - MTExtract16.msi
   - MTWidget16.msi

Example set of commands to install a number of RWS products

Command line properties used in the **msiexec** command.

INSTALLDIR. You can change the installation path for any of the RWS products by changing the value of INSTALLDIR, but this is not recommended.

CLIENTINSTALL. Set this to 1 for the MT16Core.msi. If you set this to zero (0) the product will have no start menu entry and no working autoupdate.

The commands

```
set INSTALL_DIRECTORY=%ProgramFiles%\SDL\SDL MultiTerm\MultiTerm16
```

```
set LOG_DIRECTORY=%ALLUSERSPROFILE%\SDL\Chainer\Logs
```

(For Windows 7 and Windows 8.1 and Windows 10)

```
set LOG_DIRECTORY=%ALLUSERSPROFILE%\Application Data\SDL\Chainer\Logs
```

Uninstalling

To silently remove an MSI, use the following command:

```
msiexec /x "<path to msi file>"/qn
```

Note: Do not silently remove all msi modules that have been installed by the installer. Otherwise you will not be able to use the **Remove suite of products** entry from the Control Panel programs list.

Upgrading from previous MultiTerm Installations

Overview of the Upgrade Process

Before you upgrade, take a copy of all termbases and termbase objects.

Install MultiTerm 2021 as described in Installing MultiTerm.

Software compatibility: previous versions

You can install MultiTerm 2021 alongside SDL MultiTerm 2019 and run them simultaneously.

Note that you can install any version of MultiTerm Widget 2021 or 2019 on the same computer. RWS strongly recommends that you use the latest version.

MultiTerm Desktop 2021 can work with MultiTerm Server included with Trados GroupShare 2020 and Trados GroupShare 2017. Trados GroupShare 2015 is no longer supported.

Termbase and termbase object compatibility

Local termbases

MultiTerm 2007, MultiTerm 2009 and iX termbases are upgraded automatically when you open them in MultiTerm 2021. MultiTerm 2011 and 2014, 2017, 2019 termbases can be used without conversion.

However, you can continue to use older termbases in MultiTerm 2021 SR2. To do this, convert them to MultiTerm XML format using MultiTerm Convert.

MultiTerm 2021 does not allow you to add terms which are longer than 1023 characters. Terms imported from MultiTerm '95 or MultiTerm 5 which are longer than 1023 characters may give faulty search results.

If you have a termbase created in MultiTerm version 5.5 or earlier, run MultiTerm Convert. MultiTerm Convert produces a termbase definition (XDT) file, which describes the structure of the terminology data. Use this XDT file to create an empty termbase, and import the converted data into that termbase.

Termbase objects

Termbase objects include filters, layouts, input models, export and import definitions.

Termbase objects cannot be migrated from MultiTerm '95 Plus or MultiTerm 5.x to MultiTerm 2021. After you have migrated the terminological data to MultiTerm 2021, create the termbase objects manually.

File-based termbases created in MultiTerm 6.x to MultiTerm 2007 can be opened directly in MultiTerm 2021 SR2 Desktop. Server-based termbases created in MultiTerm 6.x to MultiTerm 2007 have to be upgraded. The upgrade process is described in the Trados GroupShare Installation Guide. For more information see the topic "Using SDL MultiTerm 2007 Termbases" in the MultiTerm 2021 Help.

To save termbase objects from later versions of MultiTerm, select **Save** (in the **Catalog** view), and then load them into MultiTerm 2021.

Default locations for previous MultiTerm installations

The default installation locations for previous versions of MultiTerm are as follows.

MultiTerm Desktop version 15:

```
%ProgramFiles%\SDL\SDL MultiTerm\MultiTerm15
```

MultiTerm Desktop version 14:

```
%ProgramFiles%\SDL\SDL MultiTerm\MultiTerm14
```

MultiTerm Desktop version 12:

```
%ProgramFiles%\SDL\SDL MultiTerm\MultiTerm12
```

MultiTerm Desktop version 11:

```
%ProgramFiles%\SDL\SDL MultiTerm\MultiTerm11
```

MultiTerm Desktop version 9:

```
%ProgramFiles%\SDL\SDL MultiTerm\MultiTerm9
```

MultiTerm Desktop version 8:

```
%ProgramFiles%\SDL\SDL MultiTerm\8
```

MultiTerm Desktop version 7.5:

```
%ProgramFiles%\SDL International\SDL MultiTerm 2007
```

MultiTerm Desktop version 7.0 and 7.1:

```
%ProgramFiles%\TRADOS\\
```

MultiTerm Workstation version 6.2:

```
%ProgramFiles%\TRADOS\MTiX\\
```

MultiTerm Workstation version 6.0:

```
%ProgramFiles%\TRADOS\Corporate Language\\
```

Uninstalling MultiTerm

Uninstalling MultiTerm Desktop removes all the MultiTerm program files, folders and registry entries but retains all the data files and folders, including the termbase files, associated termbase data, and saved object definitions.

Procedure

1. You uninstall via `Start > Control Panel > Programs > Uninstall` a program or **Programs and Features**. Choose **Uninstall** or **Remove**, as appropriate.
2. Select MultiTerm 2021 **- Remove suite of products**.
3. Select the components you want to uninstall and select **Next**.
4. An information box is displayed. It is updated automatically as the removal proceeds.
5. When the selected components have been removed, a confirmation dialog box is displayed.
6. Select **OK**.

Software updates

Temporary directory

Software updates are downloaded to the following temporary directory:

```
%temp%\multiterm16Updates
```

After the update is installed, you can delete this directory.

Software update log files

MultiTerm Desktop creates a file that logs the checking for updates and the downloading of the installer for the update. This log file is in:

```
%ALLUSERSPROFILE%\SDL\SDL MultiTerm\MultiTerm16\Updates
```

Another log file is created during the update. You can find it in:

```
%temp%\multiterm16Updates
```

Individual user software updates

By default, as a MultiTerm user, you can do the following:

Procedure

1. Specify that MultiTerm Desktop checks for software updates when it starts. To do this, select `File > Options > Automatic Updates`.
2. Manually check for updates. To do this, select `Help > Check for Updates`.
3. Check for updates via **Start >** MultiTerm 2021 **> Check for updates**

   The system administrator can enable or disable checking for software updates, so these options may not always be available.

Change the notification policy for updates

By default, MultiTerm Desktop notifies users when a software update is available, and also gives users the option to install updates. As an administrator, you can change these settings.

About this task

To change these options, define a group policy, as follows:

Procedure

1. Select **Start > Run** and enter the command: `gpedit.msc`

   The Group Policy dialog box is displayed.
2. Right-click **Computer Configuration > Administrative Templates** and select **Add/Remove Templates** from the shortcut menu.

   The Add/Remove Templates dialog box is displayed.
3. Select **Add** and browse to the `MultiTermAutoUpdate.adm` file.

   The default location for this file is:

   %ALLUSERSPROFILE%\Package Cache\SDL\SDLMultiTermDesktop2021
4. Classic **Administrative Templates (ADM) > SDL Applications > SDL MultiTerm v1** is added to the navigation tree. Select this to display its settings on the right.
5. Double-click **Enable Auto-update**.
6. The Enable Autoupdate Properties dialog box is displayed on the **Setting** tab. Choose one of the following options and select **OK**.
   - **Not Configured** - The user can choose to enable or disable automatic checking for application updates and can also manually check for application updates.
   - **Enabled** - MultiTerm Desktop checks for updates automatically. The user cannot disable the automatic updates option. The user can also manually check for application updates.
   - **Disabled** - Automatic and manual checks for updates are both disabled. The user cannot enable these options.

Remove your software update

Procedure

1. In the Windows **Control Panel**, select **Add or Remove Programs** or **Programs and Features**.
2. To see the software updates, select **View Installed Updates**.
3. Select the software update and select **Remove/ Uninstall**.
4. Follow the on screen instructions.

   If you don't want to automatically check for updates, clear the check box **Automatically check for updates when the application starts** under **Options > Automatic Updates**.

Digital certificate requirements

All MultiTerm Desktop code and installer files are digitally signed. Make sure your list of approved root certificates is up-to-date and includes the root certificate from the Certification Authority that generates MultiTerm Desktop's code signing certificate. At the time of writing, Trados Studio require **DigiCert Assured ID Root CA** and **DigiCert Assured ID Code Signing CA-1**.

- For computers with access to the Internet, go to https://www.digicert.com and add the new root certificate to your **Trusted Root Certification Authorities** certificate store. This is only available for computers running on operating systems supported by Microsoft (Windows Vista or later).
- For computers in a locked down corporate environment without access to the Internet, follow the instructions available at https://technet.microsoft.com/library/dn265983.aspx .

You can also download the specific root certificates directly from https://www.digicert.com/digicert-root-certificates.htm and apply the certificates to each locked down workstation manually or by group policy.

3

Acknowledgments

3 Acknowledgments

MultiTerm includes open source or similar third-party software.

Crc32C.NET.signed
Version: 1.0.5

Vendor: Robert Važan

Copyright: Copyright (c) 2014-2020, Robert Važan

License type: BSD-3-Clause

License details: https://github.com/robertvazan/crc32c.net/blob/master/LICENSE

Microsoft.ApplicationInsights
Version: 2.12.1

Vendor: Microsoft

Copyright: Copyright (c) 2015 Microsoft

License type: MIT

License details: https://github.com/microsoft/ApplicationInsights-dotnet/blob/2.12.1/LICENSE

CommandLineParser
Version: 1.9.71

Vendor: Giacomo Stelluti Scala

Copyright: Copyright (c) 2005 - 2013 Giacomo Stelluti Scala

License type: MIT

License details: https://github.com/commandlineparser/commandline/blob/v1.9.71.2/doc/LICENSE

Microsoft.AspNet.WebApi.Client
Version: 5.2.7

Vendor: Microsoft

Copyright: © Microsoft Corporation. All rights reserved.

License type: Apache 2.0

License details: https://github.com/aspnet/AspNetWebStack/blob/v3.2.7/LICENSE.txt

Microsoft.AspNetCore.SignalR.Client
Version: 1.1.0

Vendor: Microsoft

Copyright: Copyright (c) .NET Foundation and Contributors

License type: Apache 2.0

License details: https://github.com/aspnet/SignalR/blob/1.1.0/LICENSE.txt

Microsoft.IdentityModel.Protocol.Extensions
Version: 1.0.4.403061554

Vendor: Microsoft

Copyright: Copyright (c) Microsoft Corporation

License type: MIT

License details:
https://github.com/AzureAD/azure-activedirectory-identitymodel-extensions-for-dotnet/blob/dev/LICENSE.txt

System.IdentityModel.Tokens.Jwt
Version: 6.11.1.0

Vendor: Microsoft

Copyright: © Microsoft Corporation. All rights reserved.

License type: MIT

License details:
https://github.com/AzureAD/azure-activedirectory-identitymodel-extensions-for-dotnet/blob/dev/LICENSE.txt

Microsoft.IdentityModel.Tokens
Version: 6.11.1.0

Vendor: Microsoft

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License type: MIT

License details:
https://github.com/AzureAD/azure-activedirectory-identitymodel-extensions-for-dotnet/blob/6.7.1/LICENSE.txt

YamlDotNet
Version: 8.1.1.0

Vendor: Antoine Aubry

Copyright: Copyright (c) Antoine Aubry and contributors 2008 - 2019

License type: MIT

License details: https://github.com/aaubry/YamlDotNet/blob/v8.1.2/LICENSE.txt

NETStandard.Library
Version: 2.0.3

Vendor: Microsoft

Copyright: Copyright (c) .NET Foundation and Contributors

License type: MIT

License details: https://github.com/dotnet/standard/blob/v2.0.3/LICENSE.TXT

Autofac
Version: 4.8.1

Vendor: Autofac

Copyright: Copyright © 2015 Autofac Contributors

License type: MIT

License details: https://github.com/autofac/Autofac/blob/v4.8.1/LICENSE

HtmlAgilityPack
Version: 1.11.34.0

Vendor: ZZZ Projects

Copyright: Copyright © ZZZ Projects Inc.

License type: MIT

License details: https://github.com/zzzprojects/html-agility-pack/blob/v1.11.16/LICENSE

Xliff.OM
Version: 1.0.2

Vendor: RyanKi

Copyright: Copyright 2016 RyanKi

License type: MIT

License details: https://github.com/microsoft/XLIFF2-Object-Model/blob/master/LICENSE.txt

murmurhash-signed
Version: 1.0.3.0

Vendor: Darren Kopp

Copyright: Copyright 2013 Darren Kopp

License type: Apache 2.0

License details: https://github.com/darrenkopp/murmurhash-net/blob/master/LICENSE.md

System.IO.Abstractions
Version: 13.2.38.0

Vendor: Tatham Oddie

Copyright: Copyright © Tatham Oddie 2010

License type: MIT

License details:
https://github.com/System-IO-Abstractions/System.IO.Abstractions/blob/v4.2.17/LICENSE

Flee
Version: 1.2.2

Vendor: Muhammet Parlak

Copyright: Copyright 2017 Muhammet Parlak

License type: L-GPL

License details: https://github.com/mparlak/Flee

PowerCollections
Version: 1.0.0.0

Vendor: Wintellect

Copyright: Copyright 2015 Wintellect

License type: EPL

License details: https://www.nuget.org/packages/Stakata.Wintellect.PowerCollections/1.0.4/License

ANTLR 3 Runtime
Version: 3.1.3

Vendor: Terence Parr

Copyright: Copyright (c) 2011 The ANTLR Project

License type: BSD

License details: https://github.com/antlr/antlrcs/blob/master/LICENSE.txt

CachedImage
Version: 0.1.8

Vendor: Haridas Pachuveetil

Copyright: Copyright (c) 2014 Haridas Pachuveetil

License type: MIT

License details: https://github.com/floydpink/CachedImage/blob/main/LICENSE

Microsoft.AspNetCore.JsonPatch
Version: 5.0.7

Vendor: Microsoft

Copyright: © Microsoft Corporation. All rights reserved.

License type: Apache 2.0

License details: https://github.com/dotnet/aspnetcore/blob/1.1.1/LICENSE.txt

Microsoft.Extensions.DependencyInjection.Abstractions
Version: 5.0.0.0

Vendor: Microsoft

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License type: MIT

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https://github.com/dotnet/extensions/blob/9bc79b2f25a3724376d7af19617c33749a30ea3a/LICENSE.txt

Microsoft.Extensions.DependencyModel
Version: 2.0.4

Vendor: Microsoft

Copyright: Copyright (c) .NET Foundation and Contributors

License type: MIT

License details: https://github.com/dotnet/core-setup/blob/v2.0.4/LICENSE.TXT

Microsoft.IdentityModel.JsonWebTokens
Version: 6.11.0.0

Vendor: Microsoft

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License type: MIT

License details:
https://github.com/AzureAD/azure-activedirectory-identitymodel-extensions-for-dotnet/blob/5.6.0/LICENSE.txt

Microsoft.IdentityModel.Logging
Version: 6.11.1.0

Vendor: Microsoft

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License details:
https://github.com/AzureAD/azure-activedirectory-identitymodel-extensions-for-dotnet/blob/5.6.0/LICENSE.txt

log4net
Version: 2.0.8

Vendor: The Apache Software Foundation

Copyright: Copyright 2004-2017 The Apache Software Foundation

License type: Apache 2.0

License details: https://github.com/apache/logging-log4net/blob/rel/2.0.8/LICENSE

Markdig.Signed
Version: 0.18.3

Vendor: Alexandre Mutel

Copyright: Copyright (c) 2018-2019, Alexandre Mutel

License type: BSD-2-Clause

License details: https://github.com/xoofx/markdig/blob/0.18.3/license.txt

NLog
Version: 4.6.7

Vendor: Jarek Kowalski, Kim Christensen, Julian Verdurmen

Copyright: Copyright (c) 2004-2020 NLog Project - https://nlog-project.org/

License type: BSD-3-Clause

License details: https://github.com/NLog/NLog/blob/v4.6.7/LICENSE.txt

SharpZipLib
Version: 1.2.0

Vendor: ICSharpCode

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License type: MIT

License details: https://github.com/icsharpcode/SharpZipLib/blob/v1.2.0/LICENSE.txt

System.Data.SQLite
Version: 1.0.111.0

Vendor: SQLite

Copyright: Public domain

License type: Public domain

License details: https://www.sqlite.org/copyright.html

ICU
Version: 59.1.15.0

Vendor: SIL International

Copyright: Copyright (c) 2016-2017 SIL International

License type: ICU

License details: https://github.com/unicode-org/icu/blob/release-59-1/icu4c/LICENSE

DocumentFormat.OpenXml
Version: 2.8.1

Vendor: Microsoft

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License details: https://github.com/OfficeDev/Open-XML-SDK/blob/v2.8.1/LICENSE

System.ValueTuple
Version: 4.5.0

Vendor: Microsoft

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System.Collections.Immutable
Version: 5.0.0

Vendor: Microsoft

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System.Reactive
Version: 4.3.2

Vendor: .NET Foundation and Contributors

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License details: https://github.com/dotnet/reactive/blob/rxnet-v4.3.2/LICENSE

Newtonsoft.Json
Version: 12.0.2

Vendor: James Newton-King

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License type: MIT

License details: https://github.com/JamesNK/Newtonsoft.Json/blob/12.0.2/LICENSE.md

SmartThreadPool
Version: 2.2.6.0

Vendor: Ami Bar

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License type: MS-PL

License details: https://github.com/amibar/SmartThreadPool/blob/v2.2.6/LICENSE

SimpleInjector
Version: 5.3.0.0

Vendor: Simple Injector Contributors

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License details: https://github.com/simpleinjector/SimpleInjector/blob/v4.9/LICENSE

Microsoft.Xaml.Behaviors.Wpf
Version: 1.1.19.0

Vendor: Microsoft

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License details: https://github.com/microsoft/XamlBehaviorsWpf/blob/v1.1.19/LICENSE

Microsoft.Extensions.Logging.Abstractions
Version: 5.0.0.0

Vendor: Microsoft

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License type: MIT

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MaterialDesignThemes.MahApps
Version: 0.0.11

Vendor: James Willock

Copyright: Copyright 2015 James Willock/Mulholland Software Ltd

License type: MS-PL

License details: https://www.nuget.org/packages/MaterialDesignThemes.MahApps/0.0.11

OpenXmlPowerTools
Version: 4.5.3.0

Vendor: Eric White

Copyright: Copyright © Eric White

License type: MIT

License details: https://github.com/OfficeDev/Open-Xml-PowerTools/blob/vNext/LICENSE

WatiN
Version: 2.1.0.0

Vendor: Jeroen van Menen

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License type: Apache 2.0

License details: https://www.nuget.org/packages/WatiN/2.1.0

System.Threading.Tasks.Extensions
Version: 4.5.4.0

Vendor: Microsoft

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License type: MIT

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System.Security.Cryptography.X509Certificate
Version: 4.3.2.0

Vendor: Microsoft

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System.Security.Cryptography.Algorithms
Version: 4.3.1.0

Vendor: Microsoft

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System.Reflection.TypeExtensions
Version: 4.7.0.0

Vendor: Microsoft

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System.Linq.Queryable
Version: 4.3.0.0

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System.IO.FileSystem.Primitives
Version: 4.3.0.0

Vendor: Microsoft

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System.Memory
Version: 4.5.4.0

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System.Numerics.Vectors
Version: 4.5.0.0

Vendor: Microsoft

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System.Buffers
Version: 4.5.1.0

Vendor: Microsoft

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System.Runtime.CompilerServices.Unsafe
Version: 5.0.0.0

Vendor: Microsoft

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License details: https://github.com/dotnet/corefx/blob/master/LICENSE.TXT

SharpCompress
Version: 0.26.0

Vendor: Adam Hathcock

Copyright: Adam Hathcock

License type: MIT

License details: https://github.com/adamhathcock/sharpcompress/blob/0.26/LICENSE.txt

Sdl.MultiSelectCombobox
Version: 1.0.17

Vendor: RWS

Copyright: Copyright © RWS

License type: Apache 2.0

License details: https://github.com/sdl/Multiselect-ComboBox/blob/master/LICENSE

Microsoft.WindowsAPICodePack.Shell
Version: 1.1.0.0

Vendor: NanaLich

Copyright:

License type:

License details:

icu.net
Version: 2.7.1.0

Vendor: SIL International

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Microsoft.Extensions.Http
Version: 5.0.0.0

Vendor: Microsoft

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License type: Apache 2.0

License details: https://github.com/aspnet/HttpClientFactory/blob/2.2.0/LICENSE.txt

MahApps.Metro
Version: 1.5.0

Vendor: Jan Karger, Dennis Daume, Brendan Forster, Paul Jenkins, Jake Ginnivan, Alex Mitchell

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License details: https://github.com/MahApps/MahApps.Metro/blob/1.5.0/LICENSE

NQuant
Version: 1.0.3

Vendor: Matt Wrock

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License details: https://github.com/philjones/nquant/blob/master/License.txt