

SDL Trados GroupShare 2017 SR1

Release Notes



SDL Trados GroupShare 2017

SDL Trados GroupShare 2017 SR1

September 2018

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Product overview

SDL Trados GroupShare is a translation management platform for teams of project managers, translators, reviewers and terminology workers. SDL Trados GroupShare enables you to easily share translation projects, translation memories and terminology with your team members, regardless of their location.

SDL Trados GroupShare incorporates:

- TM Server for sharing translation memories
- MultiTerm Server for sharing termbases
- Project server for sharing translation projects
- SDL Online Editor for translating and reviewing file

For more information, see the [SDL Trados GroupShare presentation page](#) on the SDL website.



SDL Trados GroupShare releases

This section provides an overview of the new features, enhancements and other changes introduced in SDL Trados GroupShare including service releases.

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What's new in SDL Trados GroupShare

This section provides an overview of features and functionality introduced or changed between version SDL Studio GroupShare 2015 and version SDL Trados GroupShare 2017 SR1.

Changes introduced in SDL Trados GroupShare 2017

This section provides an overview of the new features, enhancements and other changes introduced in the 2017 version of Trados GroupShare.

Changes introduced in SDL Trados GroupShare 2017 SR1

The current section highlights the enhancements introduced in SDL Trados GroupShare 2017 SR1.

upLIFT support for server-based TMs

SDL Trados Studio and SDL Trados GroupShare now both support the revolutionary upLIFT technology which enables you to retrieve translation suggestions from translation memories (TMs) not only at segment level, but also at fragment level. upLIFT-enabled retrieval is now supported by both server-based and file-based TMs when translating your work from within SDL Trados Studio, which increases translation productivity and speed.

Save time and effort with server-based upLIFT

upLIFT technology now also offers you translation suggestions from server-based TMs during translation, which means that the fragment and segment -level matches you use are the most recent and most relevant ones. By enabling upLIFT technology for your translation memories, Fragment Recall will automatically offer fragment, or sub-segment matches (for example, clauses and individual words) from your TM in both 'fuzzy' and 'no match' scenarios.

Note: SDL Trados GroupShare will automatically align all server-based TMs in the background. For new TMs and large imports this happens overnight by default. System Administrators can configure alignment so that it runs at different times.

Increase translation quality with multiple-user leverage

Given that server-based TMs are updated on a continuous basis, when translation suggestions are retrieved from such sources you are actually using translations which have reached high consensus among translators. When multiple users work in a server-based environment, rather than a file-based one, translation quality is ensured faster and more reliably.

Maximize your resources

upLIFT is available through three functions:

Fragment Recall

Fragment Recall takes TMs, identifies correspondences between parts of source and target sentences, and then suggests those fragments during translation, through AutoSuggest. SDL Trados Studio identifies matching fragments from a TM, at the entire TU level or at TU inner level. Punctuation differences are automatically corrected at this level.

Fuzzy Match Repair

Fuzzy matches refer to previously translated stretches of text which are not 100% identical with the source text you are currently translating. upLIFT improves TM fuzzy matches by looking for replacements for mismatched source content in other resources like termbases, fragment recall matches or machine translation. Fuzzy Match Repair can mean changing, deleting, inserting or moving a word or phrase in the fuzzy match. Punctuation changes can also occur.

Fragment Alignment

Fragment Recall and *Fuzzy Match Repair* are enabled by the TM fragment alignment technology, which is an alignment between parts of the TU source and target segment. Fragment alignment is available for TMs with at least 5,000 TUs or more. SDL Trados GroupShare builds a translation model and aligns the translation units (TUs). Any new TU you add after enabling fragment alignment is immediately available for fragment recall.

Integration with SDL Online Editor

SDL Online Editor is an online tool which you can use to translate and review files SDL Trados GroupShare project files. Unlike desktop translation tools, in SDL Online Editor, multiple users can work on the same file, at the same time, and can see dynamic updates made by each other.

Agile browser-based translation and review

Project Managers now have increased options as to who they can send a translation request to without concerns related to compatibility or CAT tool availability. Working in the browser provides a more flexible way of working, including working from Macs or mobile devices such as iPad. Moreover, Project Managers can now involve subject matter experts into the review process much easier, as there is no longer a need to install a Desktop application.

Translators and reviewers can benefit from the wide range of SDL Online Editor productivity features: full interactive Translation Memory integration, dynamic switch from vertical to horizontal layout while translating, full formatting and tag support, full Tracked Changes and Commenting support which is fully compatible with SDL Trados Studio and MS Office, and much more.

Concurrent editing to speed up your projects

You can now have multiple users working on the same file, at the same time, in SDL Online Editor. This provides greater agility for Project Managers in particular, when time pressure requires faster project turnaround times. Scenarios such as reviewing files while other users are translating them are now possible.

Purchase as separate add-on

SDL Online Editor is an add-on to SDL Trados GroupShare which needs to be purchased separately.

SDL MultiTerm and SDL Trados GroupShare GUI consistency

The SDL Trados GroupShare and SDL MultiTerm Server GUIs now share the same menu display, and the same look and feel, to help users work with both modules in a more consistent and coherent manner.

File assignments stored in Project Templates

When you create server-based projects, you use project templates from SDL Trados Studio. You can now automatically define assignees based on project templates for highly repeatable projects. This feature increases efficiency, and eliminates administration and manual work for Project Managers.

Access Analysis reports in SDL Trados GroupShare

SDL Trados GroupShare enables you to generate the *Analyze Files* report as part of the project creation process, displaying detailed information about the translation status of your project files. When a project is created in SDL Trados GroupShare, users can now access the reports via the website for easy access. Alternatively customers can now also retrieve the analysis in a more automated way via the REST API.

The report can be viewed, saved and printed irrespective of the project's file phases. The report is only generated once, during project creation, and not updated during the project lifetime.

The report provides information about:

- Project details
- Project translation settings:
 - Cross-file repetitions
 - Fuzzy matches
 - Penalties
- Project tabular data on all-file level and individual-file level about:
 - Perfect Match items
 - Context Match items
 - Exact Match items
 - Locked items
 - Fuzzy Match items
 - Repetitions

Localized Web UI

The Web UI is now available in several languages: English, German, French, Spanish, Italian, Chinese, Japanese, Korean and Russian.

Server-based project enhancements

With the release of SDL Trados GroupShare SR1, project creation and TM maintenance have been considerably improved.

Users can now:

- Use the drag-and-drop support for project creation
- Create projects using either individual files, or ZIP files
- Consult the project name and project languages under **My Tasks**
- Import the SDTLM directly into SDL Trados GroupShare TMs

AuditTrail permission and report for Administrators

The Audit Trail permission allows Administrators to access a report displaying all the actions users performed on files, in chronological order. This feature is available as of SDL Trados GroupShare 2017 SR1 CU6.

Term recognition in SDL Online Editor

Two new services, Translation Service and Feedback Service, are available in SDL Online Editor for TM lookups and term recognition. This feature is available as of SDL Trados GroupShare 2017 SR1 CU8.

Enhanced security to prevent project downloads

Users assigned the **Secure Project File Download** permission are the only ones who can download the project files in SDL Trados GroupShare, SDL Online Editor and SDL Trados Studio. This feature enforces customer data confidentiality by restricting data access to authorized personnel only. This feature is available as of SDL Trados GroupShare 2017 SR1 CU8.

Automatic deletion of background tasks

Background tasks older than 60 days are automatically deleted to ensure the streamline of import and export operations. This feature is available as of SDL Trados GroupShare 2017 SR1 CU8.

Changes introduced in SDL Trados GroupShare 2017

The current section highlights the enhancements introduced in SDL Trados GroupShare 2017.

New streamlined and fast user interface

For SDL Trados GroupShare, the Microsoft Silverlight-based web interface has been replaced with a new modern and fast version that works on all major modern browsers.

This means that the Microsoft Silverlight plug-in is no longer required to access the Trados GroupShare web interface.

New Dashboard for a quick overview of status

There is a new view in the web interface that provides relevant statistics and information on project progression.

Create projects from Trados GroupShare

Projects can now be created from the SDL Trados GroupShare web interface.

There is now a project creation wizard accessible from the Trados GroupShare WebUI and also the possibility to create projects through REST API.

Termbases are now resources in Trados GroupShare

Termbases are now part of the Trados GroupShare organization structure.

Termbases are displayed in the Trados GroupShare **Resources** view.

The MultiTerm Administrator functionality is now available in MultiTerm Desktop.

Assign users to phases with due dates

When assigning users to files in a project phase, you can now also specify a due date for completion of the task.

The assigned user is able to see what due dates are approaching in the **Files View** of a project. For each phase there is a color coded due date column that:

- turns orange if the due date for the file's phase is less than 24 hours away.
- turns red if the file's phase is past due.

Upload file to Trados GroupShare when the user saves it in Trados Studio

When a user saves a file in a Trados GroupShare project, the file is automatically saved to the server, even if they have not checked in the changes.

This way, if the user abruptly interrupts their work, the changes can be recovered by a project manager and the task reassigned. This also enables better tracking of the overall project status.

Dynamic resource access increases asset security

When assigning a project file to a user, the user is automatically granted access to the project, as well as to the translation memories and the termbases associated with the project.

Once the user finishes their work on the file, access to the project and all assets is revoked automatically. Project managers are no longer required to manage this manually and the whole process is safer for customers.

Assignment can now be performed from the Trados GroupShare web interface

Assign users and due dates for working on project files straight from the Trados GroupShare web interface.

Project managers can use the new Kanban-style board in the new Projects view for planning the work on a project.

Rename project phases

The project phases can be renamed from SDL Trados GroupShare Console.

The new Default layout was added to MultiTerm Online

The new Default layout introduced in MultiTerm 2017 Desktop is now also available in MultiTerm Online.

With the new layout, you can edit directly inline, the important actions are clearer and easier to perform, requiring less clicks. Furthermore, if you made a mistake, you can quickly undo any changes while editing.

When using the new default layout, Java is no longer required for editing terms. The legacy layouts are also still available and still require Java.

Introduced extensive REST APIs

There are now new possibilities for plugging in to the SDL Trados GroupShare eco-system and creating useful integrations as new REST APIs were introduced.

You can have full management of the Trados GroupShare server through the REST API. This means that anything that can be done in the web interface regarding project management, can also be achieved through the REST API.

TM lookup as well as terminology lookup and editing are also available through the Trados GroupShare REST API.

New user documentation platform

The online help for SDL Trados GroupShare now has a new home at

<http://docs.sdl.com/SDLTradosGroupShare> .

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Resolved issues

SDL Trados GroupShare 2017 SR1 contains all previous cumulative updates for SDL Trados GroupShare.

Future hotfixes will be described in the [Cumulative Updates for Trados GroupShare 2017](#) Knowledge Base article.

This section will track fixes in future service releases of SDL Trados GroupShare 2017.

Resolved issues in SDL Trados GroupShare 2017 SR1

Significant performance improvement

The 2017 SR1 implementation significantly improves performance when working with thousands of resources (TMs, Projects, and so on) in both the Web GUI and the back-end.

Correct display of users

The **Users > Permissions** screen did not always correctly display the users which were part of a given Organization. Moreover, you could not always assign users to roles from here. This is now fixed.

Validation for project templates

The 2017 SR1 implementation introduces more validation during project template upload to inform users of settings which would prevent project creation.

No limitation on the number of check-in and check-out operations in SDL Online Editor

The 2017 SR1 CU8 upgrade fixes an issue related to the maximum number of simultaneous check-in and check-out operations. Up to now, Windows 2012 supported a maximum of 15 simultaneous operations, while Windows 2016 supported a maximum of 20 operations. This issue is now fixed.

Correct filtering and sorting of background tasks

SDL Trados GroupShare now correctly displays background tasks when performing filtering or sorting operations in all the available GUI languages.

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Known issues

The table below lists the limitations and known issues associated with the 2017 SR1 release. These are the issues that SDL considers important to resolve, but not serious enough to delay this release.

The SDL Trados GroupShare development team will prioritize these issues in a future release of the software.

No warning displayed when adding unchanged language resources

SDL Trados GroupShare doesn't display a warning dialog that your newly added language resource will not be saved if you haven't made any changes from the default.

Trial licence doesn't work if you upgrade from Studio GroupShare 2015 Trial or Activated

To avoid losing your 2015 license when upgrading from Studio GroupShare 2015, deactivate existing GroupShare licenses and delete the `GroupShare.lic` file located in `C:\ProgramData\SDL\SDLServer1\License`. After this, you can proceed to updating to Trados GroupShare 2017.

Note: Upgrading from Studio GroupShare 2014 works without issues.

Supplementary resources for new services

There are two new services used for TM lookups and term recognition in SDL Online Editor, Translation Service and Feedback Service, which currently require 1GB RAM each. Make sure to have the additional resources available. We are working on reducing the memory footprint of these services in a follow-up SDL Trados GroupShare SR1 CU.

UI flags may not be displayed properly

In some instances, the browser cache might require clearing in order to see the UI flags properly after the SDL Trados GroupShare 2017 SR1 CU8 upgrade. This issue will be fixed in a follow-up SDL Trados GroupShare SR1 CU.

Some projects may not be displayed in the Projects tab

Some projects may not be visible in the SDL Trados GroupShare Projects Web UI if permission is granted only via Dynamic Resource Access and if the user does not have access to the organization the project was created in. However, the project can be accessed from SDL Trados Studio, from the SDL Trados GroupShare Dashboard, and from the file links in the email inbox, as before. This issue will be fixed in a follow-up SDL Trados GroupShare SR1 CU.

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Installing SDL Trados GroupShare

This section contains general information about installing SDL Trados GroupShare 2017 and the technical requirements for the installation.

About this task

For step-by-step instructions in how to install and maintain Trados GroupShare, see the [SDL Trados GroupShare 2017 Help](#)

Upgrading from SDL Trados GroupShare 2017 to 2017 SR1

SDL recommends users who have the SDL Trados GroupShare 2017 RTM version to first update to SDL Trados GroupShare 2017 CU5, and only then to upgrade to SDL Trados GroupShare 2017 SR1.

Supported operating systems

The SDL Trados GroupShare server modules run on the following platforms:

- Windows Server 2016, with IIS 10
- Windows Server 2012 R2, with IIS 8.5
- Windows Server 2012, with IIS 8.0

Supported database servers

SDL Trados GroupShare supports the following SQL Server versions:

- SQL Server 2017
- SQL Server 2016
- SQL Server 2014
- SQL Server 2012

SDL recommends that you use the latest SP versions of SQL Server 2016, 2014 and 2012. SDL Trados GroupShare may have performance issues if you use earlier versions of these SQL Server releases.

Make sure that the SQL Server that you use for running SDL Trados GroupShare has the full text search engine installed. MultiTerm requires this for fully supporting the **Full Text Search** option.

If you plan to use SQL Express, make sure that you use the Advanced Services edition.

For SQL Express 2016, see for instance [Microsoft SQL Server 2016 Express site](#) . For more information on the prerequisites required for installation, see the [SDL Trados GroupShare 2017 SR1 Installation Guide](#) .

Supported browsers

SDL Trados GroupShare supports several browsers as per the following priority order:

1. Google Chrome (latest version)
2. Mozilla FireFox (latest version)
3. Microsoft Edge (latest version)
4. Internet Explorer (11 only)

Restriction: SDL Online Editor does not support Internet Explorer.

5. Safari (latest version)

Installing Trados GroupShare 2017

This topic contains some important notes on installing SDL Trados GroupShare. Complete instructions for installing SDL Trados GroupShare are available in the dedicated SDL Trados GroupShare Installation Guide PDF.

Ensure that you have administrator permissions and that no other software is running while you install SDL Trados GroupShare.

You can find a full list of software installed with this application, including any third-party software in the [SDL Trados GroupShare 2017 SR1 Installation Guide](#).

Download location

You can download the SDL Trados GroupShare installer from your [SDL Account](#).

Installation instructions

To install SDL Trados GroupShare, follow the instructions in [SDL Trados GroupShare 2017 SR1 Installation Guide](#).

Installation issues

For information on resolving installation issues, see the [SDL Gateway Knowledge Center](#).



Compatibility

7 Compatibility

SDL Trados GroupShare 2017 SR1 can be used with SDL Trados Studio 2015 SR2 CU8 or later, SDL Trados Studio 2017 SR1 CU8 or later, and SDL MultiTerm 2017 CU2 or later. SDL MultiTerm 2015 Desktop can also be used to connect to MultiTerm Server 2017; a CU is not required in this case. You need at least Trados Studio 2017 SR1 CU8 to be able to benefit from the innovative server-based upLIFT.

| Compatible products / Module | <i>MultiTerm Server</i> | <i>TM Server</i> | <i>Project Server</i> |
|-------------------------------------|-------------------------|------------------|-----------------------|
| SDL Trados Studio 2015 to 2019 | yes | yes | yes |
| SDL MultiTerm 2015 to 2017 | yes | n/a | n/a |

SDL Trados Studio 2014 or SDL MultiTerm 2014 and earlier versions cannot be used to connect to SDL Trados GroupShare 2017 SR1.

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**Notes on licensing Trados
GroupShare 2017 and 2017 SR1**

This topic contains important notes on how to license Trados GroupShare 2017. Full licensing instructions are available in the dedicated licensing online help.

You can use Trados GroupShare 2017 with a softkey license based on an activation code.

For details on how the softkey license mechanism works and how to obtain and install softkey licenses, see the [SDL Licensing Help](#) and the licensing videos on the [SDL Trados Youtube channel](#).

Online Editor licensing

SDL Online Editor is an additional module which needs to be purchased separately on a license basis. SDL Online Editor is not automatically included when performing an upgrade.

Licensing SDL Trados GroupShare 2017 from SDL Studio GroupShare 2015

Trados GroupShare 2017 needs a new activation code to be licensed. This means that after upgrading from Studio GroupShare 2015 to Trados GroupShare 2017, you have to use the new activation code provided to you.



Supported releases

SDL Trados GroupShare 2017 SR1 is the **active** SDL Trados GroupShare release. SDL continues to support SDL Studio GroupShare 2015 as the **mature** release.

However, following the release of SDL Trados GroupShare 2017 SR1, SDL has moved Studio GroupShare 2014 to a **retired** state. SDL does not provide technical assistance, issue service packs or hotfixes for retired releases. For SDL Trados GroupShare 2017, SDL will release service packs as and when required.

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**Upgrading from SDL Trados
GroupShare 2015 to SDL Trados
GroupShare 2017 and 2017 SR1**

Upgrading from SDL Trados GroupShare 2015 to SDL Trados GroupShare 2017 and 2017 SR1

Installing SDL Trados GroupShare 2017 and 2017 SR1 upgrades any existing SDL Trados GroupShare 2015 installation. Moreover, SDL Trados GroupShare remembers all your projects, resources and settings when you migrate from any older version of SDL Trados GroupShare to SDL Trados GroupShare 2017 and 2017 SR1.

Upgrading from SDL Trados GroupShare 2017 to 2017 SR1

SDL recommends users who have the SDL Trados GroupShare 2017 RTM version to first update to SDL Trados GroupShare 2017 CU5, and only then to upgrade to SDL Trados GroupShare 2017 SR1.

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Further information

Help

Trados GroupShare Help

If you are online, you can search all our product documentation, including the Knowledge Base in the [SDL Trados GroupShare 2017 Help](#).

SDL Trados Studio Help

If you are working with Trados Studio projects, you may find the [SDL Trados Studio 2017 Help](#) online help for Trados Studio useful.

SDL MultiTerm Help

See the [SDL MultiTerm 2017 Help](#) for more information on working with termbases.

Customer support

To contact Technical Support, connect to the Customer Support Web Portal at <https://gateway.sdl.com/> and log a case for your SDL product. You need an account to log a case. If you do not have an account, contact your company's SDL Support Account Administrator.

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Acknowledgments

SDL Trados GroupShare includes open-source, licensed or similar third-party software.

#ziplib

#ziplib (SharpZipLib, formerly NZipLib) is a Zip, GZip, Tar and BZip2 library written entirely in C# for the .NET platform. It is implemented as an assembly (installable in the GAC), and thus can easily be incorporated into other projects (in any .NET language).

Apache log4net

The Apache log4net library is a tool to help the programmer output log statements to a variety of output targets. log4net is a port of the Apache log4j™ framework to the Microsoft® .NET runtime.

ICU (International Components for Unicode)

ICU is a mature, widely used set of C/C++ and Java libraries providing Unicode and Globalization support for software applications. ICU is widely portable and gives applications the same results on all platforms and between C/C++ and Java software.

Spring.NET

Spring.NET is an application framework that provides comprehensive infrastructural support for developing enterprise .NET applications. It allows you to remove incidental complexity when using the base class libraries makes best practices, such as test driven development, easy practices.

WiX

The WiX toolset builds Windows installation packages from XML source code. The tool-set integrates seamlessly into build processes.

Xerces-C++

Xerces-C++ is a validating XML parser written in a portable subset of C++.

Microsoft ASP.NET Cors

This package contains the core components to enable Cross-Origin Resource Sharing (CORS) in ASP.NET.

Entity Framework

Entity Framework is Microsoft's recommended data access technology for new applications.

Apache Tomcat, Tomcat Embed

Apache Tomcat is an open source software implementation of the Java Servlet and JavaServer Pages technologies.

ANTLR

ANTLR is a powerful parser generator that you can use to read, process, execute, or translate structured text or binary files.

Json.NET

Json.NET is a popular high-performance JSON framework for .NET.

RazorEngine

RazorEngine - A Templating Engine based on the Razor parser.

SafeNet Sentinel

SafeNet's Sentinel software licensing products and software protection solutions provides software publishers control and visibility into how their applications are deployed and used.

AlphaFS

AlphaFS is an Open Source library that provides a namespace (Alphaleonis.Win32.Filesystem) containing a number of classes. Most notable are replications of the System.IO.File, System.IO.Directory and System.IO.Path, all with support for the extended-length paths (up to 32000 chars), recursive file enumerations, native backups and manipulations with advanced flags and options. They also contain extensions to these, and there are many more features for several functions.

XCEED .NET FTP library

XCEED offers efficient FTP and FTPS (FTP over SSL) file transfer to .NET or ASP.NET apps.

Swashbuckle.Core

Seamlessly adds a Swagger to WebApi projects.

Swagger

Swagger is a simple yet powerful representation of your RESTful API. With the largest ecosystem of API tooling on the planet, thousands of developers are supporting Swagger in almost every modern programming language and deployment environment. With a Swagger-enabled API, you get interactive documentation, client SDK generation and discoverability.

SQLite

SQLite is an in-process library that implements a self-contained, serverless, zero-configuration, transactional SQL database engine.

NLog

NLog is a free logging platform for .NET, Silverlight and Windows Phone with rich log routing and management capabilities. NLog makes it easy to produce and manage high-quality logs for your application regardless of its size or complexity.

Microsoft SQL Server 2012 Management Objects (SMO)

Objects designed for programmatic management of Microsoft SQL Server.

Microsoft System CLR Types for SQL Server 2012

Package which translates SQL Server 2012 data types to .NET equivalents.

Microsoft Application Request Routing 3.0 (IIS ARR)

This is an extension that provides rule-based routing. This further enables Web application scalability through load balancing and distributed disk caching

IIS URL Rewrite Module 2

This is an extension which enables Web administrators to set up rules to define URL rewriting behavior based on HTTP headers.

Microsoft Management Console (MMC)

This is a component which provides system administrators an interface for system configuration and monitoring.

Visual C++ 2008 Redistributable SP1

These are packages which install run-time components required to run C++ applications built in Visual Studio.

Visual C++ 2013 Redistributable

These are packages which install run-time components required to run C++ applications built in Visual Studio.

Java Runtime Environment (JRE)

This is part of Java Development Kit (JDK), a set of programming tools for developing Java applications.

Erlang

This is a programming language used for developing robust systems of programs which can be distributed among different computers in a network - component required to run RabbitMQ.

ExtJS

This is a JavaScript application framework used for building interactive cross-platform web applications.

RabbitMQ Server

This is an open-source, scalable implementation of an AMQP broker, a message broker software.

ICSharpCode Zip Lib

#ziplib (SharpZipLib, formerly NZipLib) is a Zip, GZip, Tar and BZip2 library written entirely in C# for the .NET platform. It is implemented as an assembly (installable in the GAC), and thus can easily be incorporated into other projects (in any .NET language).

PostSharp

This is a VisualStudio extension including ready-made implementations of the most common patterns found in .NET.

DotNetOpenAuth

This is an open-source library that brings OpenID, OAuth capabilities to the .NET Framework.

DS OLE Document Properties Reader

This is a package which facilitates working with DS OLE Document Properties.

SolidFramework SDK

This is a package which gives you the possibility to create, modify and convert PDFs into a variety of editable formats.

Autofac

This is an IoC container for Microsoft .NET which manages class dependencies, so that applications are easy to change when they grow in size or complexity.

re-motion Framework

This is an open-source, development framework for .NET under the LPGL License.

Serilog

This is an open-source, diagnostic logging library for .NET applications.

DocumentFormat.OpenXml

This is an SDK library for working with Open XML Documents (DOCX, XLSX, PPTX).

OpenXmlPowerTools

This is a package which assists in programming with Open XML Documents (DOCX, XLSX, PPTX).

SpecFlow NuGet package

This is a package which facilitates the transformation of human-readable specifications into automated tests.

Ninject

This is an open-source dependency injector for .NET.

Polly

This is a .NET resilience and transient-fault-handling library which allows developers to express policies such as: Retry, Circuit, Breaker, Timeout, Bulkhead Isolation, and Fallback.

RaptorDB

This is a JSON-based, small size, NoSQL document store database which offers hybrid bitmap indexing and LINQ query filters.

MongoDB

This is a free, open-source, cross-platform, document-oriented, NoSQL database program which uses JSON-like documents with schemas. MongoDB is published under a combination of the GNU Affero General Public License and the Apache License.

