

ApexSQL® Refactor 2022.02.x

Release Notes

These release notes provide information about the ApexSQL® Refactor 2022.02.x which is a minor release.

Topics:

- About ApexSQL Refactor
- New features
- Getting Started
- System requirements
- Supported platforms
- Product licensing
- Release History
- About us

About ApexSQL Refactor

ApexSQL Refactor is a SQL Server Management Studio and Visual Studio formatting and refactoring add-in for SQL Server with nearly 200 formatting options and 15 refactors such as table partitioning, safe rename, wildcard expansion and more.

New Features

This version of ApexSQL Refactor introduces the following new features, enhancements or deprecations:

Fixes:

- The "Failed to login. Internet connection is required to continue. Click Retry to try again" error is encountered on application start

Known issues:

- "The 'ApexSQLRefactorInstPackage' package did not load correctly" error is encountered when the Visual Studio 2019 16.7 version is started

Getting Started

- For further information about installation and getting started, please check the [Quest Knowledge Base](#) or [ApexSQL Getting Started](#).

System requirements

Before installing or upgrading Short Product Name Version, ensure that your system meets the following minimum hardware and software requirements.

| | |
|---------------------------|--|
| Hardware | Dual Core 2.0 GHz CPU 4 GB memory 91 MB disk space |
| SQL Server | SQL Server 2005 and higher ^[1] Azure SQL Database ^[1] Amazon RDS for SQL Server ^[1] |
| Add-in integration | SQL Server Management Studio 2012 and higher ^[2] Visual Studio 2010 and higher ^[1] |
| OS | Windows 7 SP1/Windows Server 2008 R2 SP1 and higher ^[1] |
| Software | .NET Framework 4.7.2 or higher |

| | |
|--|---|
| Permissions and additional requirements | <p>Windows user account with administrative privileges</p> <p>See Minimum permissions required to install and use ApexSQL products</p> <p>See Minimum SQL Server permissions for ApexSQL Developer tools</p> <p>See Remote access for SQL Server instance</p> |
|--|---|

[1] See [Supported systems](#) for exact version support

[2] You can use the latest full-featured backwards compatible SQL Server Management Studio for free. [Click here](#)

Supported platforms

| Windows version | | | | |
|--|---------------------|--------------------------------------|----------------------------------|---------------------|
| Windows 7 SP1 & Windows Server 2008 R2 SP1 | Windows Server 2012 | Windows 8.1 & Windows Server 2012 R2 | Windows 10 & Windows Server 2016 | Windows Server 2019 |
| ✓ | ✓ | ✓ | ✓ | ✓ |

| SQL Server version ^[4] | | | | | | | | | |
|-----------------------------------|------|------|------|------|------|---------|----------------------|------------|----------------------|
| | 2005 | 2008 | 2012 | 2014 | 2016 | 2017 | | 2019 CTP 3 | |
| | | | | | | Windows | Linux ^[3] | Windows | Linux ^[3] |
| ApexSQL Refactor | ✓ | ✓ | ✓ | ✓ | ✓ | ✓ | ✓ | ✓ | ✓ |

| SQL Server edition ^[4] | | | | | | |
|-----------------------------------|---------|----------|------------|-------------------------------------|---------------------|---------------------------------|
| | Express | Standard | Enterprise | Azure SQL Database | | Amazon RDS for SQL Server |
| | | | | Single Database, Elastic Pool | Managed Instance | |
| ApexSQL Refactor | ✓ | ✓ | ✓ | ✓ | ✓ | ✓ |

| Visual Studio add-in integration | | | | | | |
|----------------------------------|------|------|------|------|------|------|
| | 2010 | 2012 | 2013 | 2015 | 2017 | 2019 |
| ApexSQL Refactor | ✓ | ✓ | ✓ | ✓ | ✓ | ✓ |

| SQL Server Management Studio add-in integration | | | | | |
|---|------|------|------|----|----|
| | 2012 | 2014 | 2016 | 17 | 18 |
| ApexSQL Refactor | ✓ | ✓ | ✓ | ✓ | ✓ |

^[3] Tested on Ubuntu 16.04

^[4] Including Amazon EC2, Google Compute Engine, and Azure Virtual Machine cloud computing SQL Server instances.

Release History (release notes)

Release: 2022.02.0494

Date: June 10, 2024

Fixes:

- The "Failed to login. Internet connection is required to continue. Click Retry to try again" error is encountered on application start

Release: 2022.01.0482

Date: May 12, 2022

Fixes:

- 105670: Excessive space is added in the SQL insert statement when the Smart indent option under the Formatting tab of the Options dialog is used
- 141333: ApexSQL Refactor add-in intermittently disables Outline Statements functionalities within the application host query editor
- 146253: Column names in the Encapsulate code window – Parameters grid inadvertently change upon Preview action
- 149177: Always use BEGIN and END in IF statements option for ELSE IF statements creates needless nesting and statements which compromise code cleanliness and visuals
- 149178: The Indent condition body statement option under the Flow control tab of the Options dialog does not work correctly
- 149179: The Indent code within BEGIN and END blocks options under the Flow control of the Options dialog does not work correctly
- 155332: The CASE statement will always be in a separate line even when all options are turned off
- 156920: Insert empty line before each statement option under the Formatting tab of the Options dialog does not work for the SET statement
- 157146: The formatting profile does not format SQL code correctly if the Year functions are used within the last query line
- 159490: Logical operations options under the Logical tab of the Options dialog have unnecessary vertical and horizontal scrollbars on high DPI and 4K resolution
- 160381: Needless semicolon and indentation occur before ELSE statement of the IF-ELSE block
- 161819: Missing two carriage returns in the info message that appears when formatting the SQL script that already exists on the drive via the Format SQL scripts feature
- 163291: This operation requires a SQL file or query editor to be opened; info message appears when using the Format SQL command over a solution
- 195537: The Format SQL objects command loads only the objects from the default database
- 195538: "Selected object cannot be found in Object explorer" error is encountered when the Safe rename feature is used on the non-default database
- 198444: SQL Server Management Studio stops working when formatting is called on highlighted code from the query editor

- 198746: "Error occurred in Formatting SQL objects functionality" error is encountered when using the Format SQL objects feature over a database that contains an apostrophe in the name
- 199488: The Remove unnecessary brackets option under the Formatting tab of the Options dialog removes brackets around the SQL status keyword

Changes:

- [The activation model is switched to Subscription](#)
- The application does not support integration into SQL Server Management Studio 2012, 2014, and 2016 versions
- The application does not support integration into Visual Studio 2010, 2012, 2013, and 2015 versions

Known issues:

- "The 'ApexSQLRefactorJnstPackage' package did not load correctly" error is encountered when the Visual Studio 2019 16.7 version is started

Release: 2021.02.0453

Date: December 04, 2020

Enhancements:

- Performance of the Qualify object names feature has been improved up to 1260%
- Performance of the Wildcard expansion feature has been improved up to 1140%

Fixes:

- 185799: The default keyboard shortcut for formatting SQL code (CTRL+SHIFT+ALT+F) in query editor does not work
- 148990: The checkboxes for formatted objects in the grid under the Format SQL objects window are not unchecked
- 148991: The position of the vertical and horizontal scrollbars in the Compare window is incorrect and overlaps scripts
- 155684: "Safe rename cannot be applied to the selected object" message is shown when the Safe rename command is used on an object that was previously renamed
- 156784: SQL syntax errors dialog does not display all errors when the list of incorrect syntax has more than three lines
- 146541: The Format SQL objects feature loses connection with SQL Server when the Create script button is clicked in Visual Studio for the second time
- 167403: A new query window cannot establish a connection to an Azure SQL Database when the Active Directory - Universal with MFA support authentication is used
- 156998: The Safe rename feature does not find dependency for a table that contains the Within keyword in their definition

- 181282: Encapsulate code as scalar inline function keyboard shortcut overwrites default keyboard shortcut for the Edit.ReplaceinFiles command in Visual Studio
- 159957: The ApexSQL Refactor installation folder stays in the ApexSQL folder under the Program Files after uninstallation
- 161923: The Add border above block comments and Add border below block comments options under the Comments tab of the Options window do not work when the comment line contains more than four asterisks (*)
- 160375: The Move closing parentheses to a new line option under the Parameters tab of the Options window does not work for the Alter function statement
- 155685: The Order by keyword does not line up with the Where clause under the Statements tab of the Options window
- 162960: The space around the assignment operator cannot be added under the Compact profile of the Options window
- 180353: The Insert empty line after option under the Comments tab of the Options window does not work
- 154751: The values in the built-in formatting profiles of the Options window do not return to the default state when any options is changed
- 154774: The Add space outside parenthesis option under the Statements tab of the Options window, adds a space in the statement that contains XML if the parenthesis is immediately followed by a dot (.) making the code invalid after it has been formatted
- 188618: SQL Server Management Studio freezes and becomes unusable up to 9 minutes when the Qualify object names feature is used on a remote instance with more than 60 databases and 1,000 objects
- 196699: SQL syntax error is encountered when formatting a query that has a subquery nested inside a SELECT statement with the ORDER BY clause

Release: 2021.01.0445

Date: November 02, 2020

Changes:

- The application is now part of the ApexSQL Fundamentals Toolkit for SQL Server bundle and requires activation

Release: 2020.05.0430

Date: October 08, 2020

Fixes:

- 155007: "Switch 'pr' is not recognized" error is encountered when using the /pr switch for formatting SQL script from the CLI

About us

Quest creates software solutions that make the benefits of new technology real in an increasingly complex IT landscape. From database and systems management, to Active Directory and Office 365 management, and cyber security resilience, Quest helps customers solve their next IT challenge now. Around the globe, more than 130,000 companies and 95% of the Fortune 500 count on Quest to deliver proactive management and monitoring for the next enterprise initiative, find the next solution for complex Microsoft challenges and stay ahead of the next threat. Quest Software. Where next meets now. For more information, visit www.quest.com.

Contacting Quest

For sales or other inquiries, visit www.quest.com/contact

Technical Support Resources

Technical support is available to Quest customers with a valid maintenance contract and customers who have trial versions. You can access the Quest Support Portal at <https://support.quest.com>.

The Support Portal provides self-help tools you can use to solve problems quickly and independently, 24 hours a day, 365 days a year. The Support Portal enables you to:

- Submit and manage a Service Request
- View Knowledge Base articles
- Sign up for product notifications
- Download software and technical documentation
- View how-to-videos
- Engage in community discussions
- Chat with support engineers online
- View services to assist you with your product.

© 2024 Quest Software Inc.

ALL RIGHTS RESERVED.

This guide contains proprietary information protected by copyright. The software described in this guide is furnished under a software license or nondisclosure agreement. This software may be used or copied only in accordance with the terms of the applicable agreement. No part of this guide may be reproduced or transmitted in any form or by any means, electronic or mechanical, including photocopying and recording for any purpose other than the purchaser's personal use without the written permission of Quest Software Inc.

The information in this document is provided in connection with Quest Software products. No license, express or implied, by estoppel or otherwise, to any intellectual property right is granted by this document or in connection with the sale of Quest Software products. EXCEPT AS SET FORTH IN THE TERMS AND CONDITIONS AS SPECIFIED IN THE LICENSE AGREEMENT FOR THIS PRODUCT, QUEST SOFTWARE ASSUMES NO LIABILITY WHATSOEVER AND DISCLAIMS ANY EXPRESS, IMPLIED OR STATUTORY WARRANTY RELATING TO ITS PRODUCTS INCLUDING, BUT NOT LIMITED TO, THE IMPLIED WARRANTY OF MERCHANTABILITY, FITNESS FOR A PARTICULAR PURPOSE, OR NON-INFRINGEMENT. IN NO EVENT SHALL QUEST SOFTWARE BE LIABLE FOR ANY DIRECT, INDIRECT, CONSEQUENTIAL, PUNITIVE, SPECIAL OR INCIDENTAL DAMAGES (INCLUDING, WITHOUT LIMITATION, DAMAGES FOR LOSS OF PROFITS, BUSINESS INTERRUPTION OR LOSS OF INFORMATION) ARISING OUT OF THE USE OR INABILITY TO USE THIS DOCUMENT, EVEN IF QUEST SOFTWARE HAS BEEN ADVISED OF THE POSSIBILITY OF SUCH DAMAGES. Quest Software makes no representations or warranties with respect to the accuracy or completeness of the contents of this document and reserves the right to make changes to specifications and product descriptions at any time without notice. Quest Software does not make any commitment to update the information contained in this document.

If you have any questions regarding your potential use of this material, contact:

Quest Software Inc.

Attn: LEGAL Dept

4 Polaris Way

Aliso Viejo, CA 92656

Refer to our Web site (<https://www.quest.com>) for regional and international office information.

Patents

Quest Software is proud of our advanced technology. Patents and pending patents may apply to this product. For the most current information about applicable patents for this product, please visit our website at <https://www.quest.com/legal>.

Trademarks

Quest, the Quest logo, and Join the Innovation are trademarks and registered trademarks of Quest Software Inc. For a complete list of Quest marks, visit <https://www.quest.com/legal/trademark-information.aspx>. All other trademarks and registered trademarks are property of their respective owners.

Legend

 **CAUTION:** A CAUTION icon indicates potential damage to hardware or loss of data if instructions are not followed.

 **IMPORTANT, NOTE, TIP, MOBILE, or VIDEO:** An information icon indicates supporting information.