

ApexSQL[®] Analyze 2022.x

Release Notes

These release notes provide information about the ApexSQL[®] Analyze 2022.x which is a minor release.

Topics:

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

About ApexSQL Analyze

ApexSQL Analyze analyzes graphical SQL Server database object dependencies and the impact of potential deletions on your SQL database. It determines object interrelationships within the database and allows dependency diagrams appearance customization.

New Features

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

Fixes:

- 211654: "Could not load file or assembly 'Microsoft.Identity.Client'" error is encountered when trying to connect to the Azure server with Active Directory - Universal with MFA type of authentication
- 211716: Couldn't connect to the targeted database in the case when using Azure Active Directory - Password authentication type while database name is typed in connection controls
- 211717: Couldn't connect to the targeted database in the case when using Azure Active Directory - Integrated authentication type while database name is typed in connection controls

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 'ApexSQLAnalyzeInstPackage' package did not load correctly" error is encountered when the Visual Studio 2019 16.7 version is started
- "Failed to authenticate the user in Active Directory (Authentication=ActiveDirectoryInteractive). Error code 0xno_client_id No ClientId was specified." Error is encountered when the Show dependencies feature is initiated and the user is connected to a remote server using Azure Active Directory - Universal with MFA authentication

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.

System requirements

Hardware	Dual Core 2.0 GHz CPU 4 GB memory 112 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	Windows user account with administrative privileges See Minimum permissions required to install and use ApexSQL products See Minimum SQL Server permissions for ApexSQL Developer tools See Remote access for SQL Server instance

^[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 ^[3]									
	2005	2008	2012	2014	2016	2017		2019 CTP 3	
						Windows	Linux ^[2]	Windows	Linux ^[2]
ApexSQL Analyze	✓	✓	✓	✓	✓	✓	✓	✓	✓

SQL Server edition ^[3]						
	Express	Standard	Enterprise	Azure SQL Database		Amazon RDS for SQL Server
				Single Database, Elastic Pool	Managed Instance	
ApexSQL Analyze	✓	✓	✓	✓	✓	✓

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

SQL Server Management Studio add-in integration

	2012	2014	2016	17	18
ApexSQL Analyze	✓	✓	✓	✓	✓

^[2] Tested on Ubuntu 16.04

^[3] Including Amazon EC2, Google Compute Engine, and Azure Virtual Machine cloud computing SQL Server instances

Release History [\(release notes\)](#)

Release: 2022.01.0222

Date: May 12, 2022

Fixes:

- 211654: "Could not load file or assembly 'Microsoft.Identity.Client'" error is encountered when trying to connect to the Azure server with Active Directory - Universal with MFA type of authentication
- 211716: Couldn't connect to the targeted database in the case when using Azure Active Directory - Password authentication type while database name is typed in connection controls
- 211717: Couldn't connect to the targeted database in the case when using Azure Active Directory - Integrated authentication type while database name is typed in connection controls

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 'ApexSQLAnalyzeInstPackage' package did not load correctly" error is encountered when the Visual Studio 2019 16.7 version is started
- "Failed to authenticate the user in Active Directory (Authentication=ActiveDirectoryInteractive). Error code 0xn_client_id No ClientId was specified." Error is encountered when the Show dependencies feature is initiated and the user is connected to a remote server using Azure Active Directory - Universal with MFA authentication

Release: 2020.02.0210

Date: April 14, 2021

Fixes:

- 205740: "Database '%database name%' not accessible for the user '%username%'" error is encountered when trying to Link database using ApexSQL Source Control when ApexSQL Analyze is integrated into SQL Server Management Studio
- 192415: "Object reference not set to an instance of an object" error is encountered when query execution is canceled due to endless running time in SQL Server Management Studio 18 when the ApexSQL Analyze is integrated into it
- 205741: "Unable to create data instance" error is encountered when "One click documentation" is used for ApexSQL Doc when ApexSQL Analyze is integrated into SQL Server Management Studio
- 204596: "A connection was successfully established with the server but then an error occurred during the pre-login handshake provider HTTP, error: 0 -)" error is encountered when trying to connect on the SQL Server which has Force Encryption option enabled

Changes:

- "Trust server certificate" option is added under the Connection options dialog

Release: 2020.01.0190

Date: August 24, 2020

Enhancements:

- [Application telemetry now collects anonymous data on the use and performance of applications and application components](#)
- ApexSQL Updater is added for configuring advanced updating settings of all installed ApexSQL products

Fixes:

- "Loading objects and dependencies failed" error is encountered when loading a database with objects that reference synonyms for tables or views

Changes:

- [Error handling and send logs functionality has been modified](#)

Release: 2019.02.0163

Date: December 19, 2019

Enhancements:

- [SQL Server 2019 support](#)

Fixes:

- Depending columns for SQL view objects are not show in the Dependencies panel

- "Login failed for user" error is encountered when using the Active Directory - Integrated authentication in SQL Server Management Studio and when the Show dependencies command is initiated from the right-click context menu in Object Explorer
- SQL Server Management Studio stops working when the Show dependencies command is selected from the right-click menu in Object Explorer on a database without required permissions

Release: 2019.01.0129

Date: July 15, 2019

Enhancements:

- [SQL Server Management Studio integration support](#)
- [Visual Studio integration support](#)
- Show column dependencies option is added under the View tab
- Diagrams can be exported as DOCX, PDF and XML
- EMF file format is added when diagram is exported as an image
- Print option is added under the Home tab
- Object style customization is added under the Options window
- External database analysis option is added in the project options under the External databases tab
- Update all objects from the schema option is added under the Home tab
- Show/hide constraints option is added under the View tab
- Include system objects option is added under the General tab in the Options window
- Show dependencies for the snapshot option is added in the project options
- Project options window is added for creating a new project

Fixes:

- Different values for constraints are shown in the Object browser of ApexSQL Analyze and in SQL Server Management Studio's Object Explorer
- Saved project file can't be opened with a double-click on it
- Toggling user type items on and off in the analyzed diagram displays inconsistent behavior when a related schema with the same name exists

Changes:

- The application has been split into three editions - Azure, Standard and Professional
- Diagram now allows customization of dependency depth

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.

© 2022 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.