

# ApexSQL® Build 2022.02.x

## Release Notes

These release notes provide information about the ApexSQL® Build 2022.02.x which is a major release.

Topics:

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

## About ApexSQL Build

ApexSQL Build is a SQL database deployment tool that builds new databases and updates existing ones by packaging SQL scripts, SQL script folders, database snapshots, and scripts under version control into a single deployment SQL script, a C# solution, or an executable installer. It allows specifying the objects to be created or updated, ensures error-free deployment, and more.

## New Features

This version of ApexSQL Build 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
- 224253: Building SQL database on Azure SQL Server is unsuccessful followed by the error dialog with the "Server-Scoped Triggers' is not supported in this version of SQL Server" message

## 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

<b>Hardware</b>	Dual Core 2.0 GHz CPU 3 GB memory 133 MB disk space
<b>SQL Server</b>	SQL Server 2005 and higher <sup>[1]</sup> Azure SQL Database <sup>[1]</sup> Amazon RDS for SQL Server <sup>[1]</sup>
<b>OS</b>	Windows 7 SP1/Windows Server 2008 R2 SP1 and higher <sup>[1]</sup>
<b>Software</b>	<a href="#">.NET Framework 4.7.2</a> or higher
<b>Note</b>	<a href="#">Source control integration available</a> for Azure DevOps <sup>[4]</sup> , Git <sup>[5]</sup> , Mercurial <sup>[5]</sup> , Subversion <sup>[5]</sup> and Perforce <sup>[5]</sup>

<b>Permissions and additional requirements</b>	<p>Windows user account with administrative privileges</p> <p>See <a href="#">Minimum permissions required to install and use ApexSQL products</a></p> <p>See <a href="#">Minimum SQL Server permissions for ApexSQL Developer tools</a></p> <p>See <a href="#">Remote access for SQL Server instance</a></p>
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[1] See [Supported systems](#) for exact version support

[4] Azure DevOps Server (TFS) [5] / Azure DevOps Services

[5] Up to the latest version

## 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 Build	✓	✓	✓	✓	✓	✓	✓	✓	✓

SQL Server edition [3]				
	Express	Standard	Enterprise	Azure SQL Database

				Single Database, Elastic Pool	Managed Instance	Amazon RDS for SQL Server
ApexSQL Build	✓	✓	✓	✓		✓

Source control systems					
	Azure DevOps <sup>[4]</sup>	Git <sup>[5]</sup>	Mercurial <sup>[5]</sup>	Perforce <sup>[5]</sup>	Subversion <sup>[5]</sup>
ApexSQL Build	✓	✓	✓	✓	✓

<sup>[2]</sup> Tested on Ubuntu 16.04

<sup>[3]</sup> Including Amazon EC2, Google Compute Engine, and Azure Virtual Machine cloud computing SQL Server instances

<sup>[4]</sup> Azure DevOps Server (TFS) <sup>[5]</sup> / Azure DevOps Services

<sup>[5]</sup> Up to the latest version

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

Release: 2022.02.0366

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
- 224253: Building SQL database on Azure SQL Server is unsuccessful followed by the error dialog with the "Server-Scoped Triggers' is not supported in this version of SQL Server" message

Release: 2022.01.0358

Date: October 10, 2022

### Fixes:

- 209522: "Partition column 'column\_name' has data type data\_type1\_name which is different from the partition function 'partition\_function\_name' parameter data type data\_type2\_name" error is encountered when building a database where the partition function parameter and partition column have different data types

- 206490: "Invalid partition scheme specified" error is encountered when trying to build database which contains partition schema
- 211134: "You can only create a user with a password in a contained database" error is encountered when trying to create a contained database which is linked on the Git repository

#### Changes:

- [The activation model is switched to Subscription](#)
- Trust server certificate option is added under the Connection options dialog

Release: 2021.01.0345

Date: April 12, 2021

#### 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:

- 195016: Static data is not inserted into the newly created database when the Git repository is used as an input source
- 195015: "The INSERT statement conflicted with the FOREIGN KEY constraint" error is encountered when inserting static data starts for the Git repository as an input source when using the CLI
- 194830: "Could not load file or assembly 'SharpSvn' or one of its dependencies. An attempt was made to load a program with an incorrect format" error is encountered when setting up the Subversion repository as an input source
- 159087: "Could not load file or assembly" error is encountered when the Browse, Test, or Finish button is clicked in the Source control wizard for the Subversion source control repository
- 179048: Static data is not being read from a database code hosted on the Azure DevOps server when setting up the Team Foundation Server repository as a source
- 195139: "TFS server has more than one collection. Specify concrete collection via URL" error is encountered when building a database via CLI from Azure DevOps Server repository
- 194973: "Cannot connect this repository to " error is encountered when using the CLI to build a database from the Mercurial source control repository
- 121767: Neither schema nor data are created when building a database from the Subversion source control repository from the CLI
- 127318: "StartIndex cannot be less than zero" error is encountered when applying source control options in the CLI and the Mercurial repository is used as the input source

- 146791: "Cannot set local path %path%". "The path %path% is already mapped in workspace" error is encountered when the Team Foundation Server repository hosted on Azure DevOps Server is used as a source
- 159657: "Make a sure correct username and password are specified" error is encountered when connecting to the Git source control repository hosted on Azure DevOps Server
- 170336: "Make a sure correct username and password are specified" message is shown when the Git source control password is changed in the host and updated in the application connection configuration
- 187455: Empty project is saved when the Save as button is clicked after the Finish button is clicked in the last step
- 119403: The corresponding CLI switches are not shown in the Save as a batch window when the Consolidate scripts action is used
- 118745: "The ALTER TABLE statement conflicted with the FOREIGN KEY constraint" error is encountered when inserting data from the Mercurial source control repository to a built database from the CLI
- 127337: Missing the Insert into statements in the saved build script for inserting static data when a source control repository is used as a input source
- 203849: Procedures that contain the With results sets command are not loaded in the Build objects step when using a script folder or source control as an input source
- 203065: Default Filestream filegroups are incorrectly scripted without the Contains filestream clause during the build process
- 198051: "Default FILESTREAM filegroup is not available in database" error is encountered when a build script including SQL tables with FILESTREAM is run
- 187453: Partition schemas are incorrectly scripted as filegroups in the build process
- 189904: Data compressed tables are incorrectly scripted as partitioned tables in the build process

#### Changes:

- [ApexSQL defaults, My defaults, and Save as my defaults functionality has been modified](#)

Release: 2019.03.0322

Date: July 30, 2020

#### Fixes:

- The Error handling option under the Package tab in the Output options step is not saved when an executable installer is created
- "Could not find file .dat" error is encountered when the Edit existing database option is used in a created executable installer and the Run button is clicked
- "Parameter or variable has an invalid type" error is encountered when the building process is started using a scripts folder as the Input source
- "Cannot find data type < table\_name > " error is encountered when building a SQL database from a scripts folder
- "Could not load file or assembly" error is encountered when linking to the Git repository hosted on Azure DevOps Services using visualstudio.com URL

Changes:

- Error handling and send logs functionality has been modified

Release: 2019.02.0311

Date: March 13, 2020

Enhancements:

- Custom filegroups are now created immediately after the database is created

Fixes:

- "Object ApexSql.Common.ScriptMetadata.Internal.Enums.SqlTypes [sys].[TT\_Tax\_Delta\_0] is ignored: object already exists" error is encountered when multiple data type objects with same name that belong to different schemas exist in a script folder
- Generated build script does not contain statements to create data types when multiple data type objects with same name that belong to different schemas exist in a script folder
- The install confirmation message box appears when the /verysilent and /suppressmsgboxes options from CLI are used

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- 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.



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