

# ApexSQL<sup>®</sup> Source Control 2022.x

## Release Notes

These release notes provide information about the ApexSQL<sup>®</sup> Source Control 2022.x which is a minor release.

Topics:

- [About ApexSQL Source Control](#)
- [New features](#)
- [Getting Started](#)
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## About ApexSQL Source Control

ApexSQL Source Control is a SQL Server Management Studio add-in to version control SQL databases and objects. It integrates with all major source control systems and allows database developers to work together on a shared or a dedicated database copy. ApexSQL Source Control provides full object versioning features such as object locking with team policies management, detailed view of changes history, conflict resolution, labeling, and more.

## New Features

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

Fixes:

- 220449: "[Incorrect syntax near '=']" at [position: 476, line: 14, column: 61] error is encountered when synchronizing SQL database to the repository
- 214465: Database changes are not shown in the "Action center" tab after the linking process is done for databases containing procedures with the "at time zone" statement
- 213718: The delay of 5 s in opening a new query appears when 20 databases are linked to the source control repository
- 199133: The right-click context menu commands are not applicable on the group header in the "Action center" tab when the groups are collapsed
- 206823: Excluded objects present only on the repository side are shown in the "Action center" tab after SSMS restart
- 208019: Database changes are not shown in the "Action center" tab after the linking process is done for databases containing procedure with the output parameter defined without the square brackets in a script
- 208020: Database changes are not shown in the "Action center" tab after the linking process is done for databases containing an object with formatted query result as JSON without ROOT node name defined in a script
- 208255: "Parse error: [Incorrect syntax near 'UPDLOCK']" error is encountered when try to link a database
- 209263: Database changes are not shown in the "Action center" tab after the linking process is done for databases containing objects with the number formatted as <number>.e<number> in a script
- 216490: Action Center doesn't show static data for tables with custom schema owners
- 206195: "No committed changesets" error is encountered when the "Object Explorer" panel right-click context menu "Project history" command is clicked after the initial commit is finished for the Perforce source control system
- 205923: "Make sure correct username and password are specified" error is shown when the Test or Finish button is clicked in the Source control setup window for Perforce when linking a second database to the same workspace and depot
- 221076: Credential object type is missing under the "Object filter" tab in the "Options" window
- 221327: "Parse error: [Incorrect syntax near '@locale'] at [position: 820, line: 26, column: 53]" is encountered when trying to link database to Git repository hosted on Azure Services
- 214465: Database changes are not shown in the "Action center" tab after the linking process is done for databases containing procedures with the "at time zone" statement
- 221076: Credential object type is missing under the "Object filter" tab in the Options window

#### Changes:

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

## Known issues

- Objects containing Windows reserved words in their name and committed to source control with the 2021.01.2063 or 2021.01.2072 add-in versions are shown in the Action center tab as non-existing on both sides and history for those objects is not accessible
- An object containing special characters in the schema name is shown as non-existing on a database side in the Action center tab after the initial commit is finished
- "TortoiseSVN version is not supported" message is shown when the Browse for folder button is clicked in the Source control setup window when working with the TortoiseSVN client version higher than 1.9
- Excluded objects present only on the source control repository are shown in the Action center tab after SQL Server Management Studio is restarted

## Getting Started

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

## System requirements

Hardware	Dual Core 2.0 GHz CPU 4 GB memory 153 MB disk space (depends on the number of linked databases)
SQL Server	SQL Server 2005 and higher <sup>[1]</sup> Azure SQL Database <sup>[1]</sup> Amazon RDS for SQL Server <sup>[1]</sup>
Add-in integration	SQL Server Management Studio 2012 and higher <sup>[2]</sup>
OS	Windows 7 SP1 / Windows Server 2008 R2 SP1 or higher <sup>[1]</sup>

<b>Software</b>	.NET Framework 4.7.2 or higher
<b>Note</b>	Source control integration available 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>	Windows user account with administrative privileges See <a href="#">Minimum permissions required to install and use ApexSQL products</a> See <a href="#">Permissions in ApexSQL Source Control</a> See <a href="#">Remote access for SQL Server instance</a>

<sup>[1]</sup> See [Supported systems](#) for exact version support

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

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

<sup>[5]</sup> 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 <sup>[3]</sup>									
	2005	2008	2012	2014	2016	2017		2019 CTP 3	
						Windows	Linux <sup>[2]</sup>	Windows	Linux <sup>[2]</sup>

ApexSQL Source Control	✓	✓	✓	✓	✓	✓	✓	✓	✓
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SQL Server edition <sup>[3]</sup>						
	Express	Standard	Enterprise	Azure SQL Database		Amazon RDS for SQL Server
				Single Database, Elastic Pool	Managed Instance	
ApexSQL Source Control	✓	✓	✓	✓	✓	✓

SQL Server Management Studio add-in integration					
	2012	2014	2016	17	18
ApexSQL Source Control	✓	✓	✓	✓	✓

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 Source Control	✓	✓	✓	✓	✓

<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:	2022.01.2131
Date:	October 10, 2022

### Fixes:

- 220449: "[Incorrect syntax near '=']" at [position: 476, line: 14, column: 61] error is encountered when synchronizing SQL database to the repository
- 214465: Database changes are not shown in the "Action center" tab' after the linking process is done for databases containing procedures with the "at time zone" statement
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## Known issues

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- An object containing special characters in the schema name is shown as non-existing on a database side in the Action center tab after the initial commit is finished
- "TortoiseSVN version is not supported" message is shown when the Browse for folder button is clicked in the Source control setup window when working with the TortoiseSVN client version higher than 1.9
- Excluded objects present only on the source control repository are shown in the Action center tab after SQL Server Management Studio is restarted

Release: 2021.02.2119

Date: May 12, 2021

## Enhancements:

- SQL graph tables support
- Temporal tables support
- [Delete button is added in the Labels window](#)
- [Refresh button is added in the Labels window](#)

## Fixes:

- 204610: The labels created on the Subversion repository using the File authentication are not shown in the Labels window
- 202359: "Database <database\_name> not accessible for the user 'username'" message is shown when the Link to source control right-click database command in the Object Explorer panel is clicked for a database with an apostrophe in its name
- 204550: "One or more errors occurred" error is encountered when the Get button is clicked in the Labels window for a label created on a root of the Git repository
- 205736: An object is listed for deletion from a database in the Get changes from the repository window after the Get button is clicked in the Labels window when all objects on which it depends are not a part of the selected label
- 206194: "The path is not of a legal form" error is encountered when any other changeset is selected after the initial commit changeset in the Object history window
- 206202: "Connection failed with message: 'The path is not of a legal form'" error is encountered when a non-existing string is typed in the text filter for any object grid column in the Project or Object history window
- 206330: The name of an object with the migration script is shown as .%object\_name% in the Migration scripts dialog after the migration script is being edited

- 206199: The Script errors dialog is shown when the Get or Get changeset button is clicked in the Project or Object history window for a changeset related to label creation or deletion on the Subversion repository
- 205996: "One or more errors occurred" error is encountered when the Get button is clicked in the Labels window for a label created on a root of the Mercurial repository
- 205737: The Project history window closes when the Get changeset button is clicked for a changeset that does not contain all dependent objects for a database linked to a repository root
- 206211: "Nothing to sync between the source control and database versions" error is encountered when the Get changeset button is clicked in the Project history window for a previously committed static data change
- 206205: The script for the first object on the list of the selected changeset is shown in the Object history window
- 206158: The add-in's object status icons and right-click context menu commands are shown on the sub-object level in the Object Explorer panel
- 206066: The Action center tab is opened after SQL Server Management Studio restart even though the credentials are not present in the Connect to source control dialog
- 206203: "Connection failed with message: 'Value cannot be null. Parameter name: path2'" error is encountered when a non-existing string is typed in the text filter for any changeset grid column in the Project or Object history window
- 206072: The static data is shown as conflicted in the Action center tab for the second database linked in the dedicated model to the same repository
- 205997: A database can be linked to the Azure DevOps Server/Services repository root
- 206020: All objects from a database are shown in the Object filter grid in the Object filter tab of the Source control setup window after the object filter is imported
- 206660: Filter options in the Object filter tab under the Source control setup and Options window do not work
- 198750: "System.OutOfMemoryException" error is encountered when the Create button is clicked in the New label window for a database linked to the Azure DevOps Server repository in the shared development model and there are more than 10K labels
- 204313: The Show/Hide objects button under the Object filter tab in the Source control setup window does not respond if in the same session the development model is changed
- 200240: The Action center tab is not fully visible on Full HD display resolution (1920x1080) and 150% scaling
- 203664: Database changes are not shown in the Action center tab after the linking process is done for databases containing objects with the With result sets command in a script
- 204017: Database changes are not shown in the Action center tab after the linking process is done for databases containing values inside quotes as a part of the Dateadd function
- 203665: Database changes are not shown in the Action center tab after the linking process is done for databases containing values inside square brackets as a part of the Dateadd function
- 204020: Database changes are not shown in the Action center tab after the linking process is done for databases containing the Reseed value inside quotes as a part of the Dbcc checkident command
- 204249: Objects containing the 'con' in the name will be shown without names in the Action center tab after upgrading to the 2021.01.2063 add-in version

- 204250: The latest object state is not shown in the Action center tab after upgrading to the 2021.01.2063 add-in version if the label exists on the repository
- 203565: "Database %database% not accessible for the user 'username'" error is encountered when the Encrypt connection and Trust connection options are checked under the Connection Properties tab in the Connect to Server dialog
- 203384: "The path is already mapped in workspace" error is encountered when the Browse for folder button, under the System login tab in the Source control setup window, is clicked for Azure DevOps Server and a non-default collection is chosen
- 203385: "Object reference not set to an instance of an object" error is encountered when the Browse for folder button, under the System login tab in the Source control setup window, is clicked for Azure DevOps Server and the chosen collection is offline
- 204272: "Database '%database name%' not accessible for the user '%username%'" error is encountered when the Link database to source control right-click Object Explorer panel context menu command is clicked in SQL Server Management Studio 18 and ApexSQL Analyze is integrated as well

#### Changes:

- [Create label and Show labels commands under the right-click Object Explorer panel context menu are now replaced with the Labels command](#)
- [Object filter and Script options tabs are now under the Advanced options tab in the Source control setup window](#)

#### Known limitations:

- [Objects containing Windows reserved words in their name and committed to source control with the 2021.01.2063 or 2021.01.2072 add-in versions are shown in the Action center tab as non-existing on both sides and history for those objects is not accessible](#)
- [An object containing special characters in the schema name is shown as non-existing on a database side in the Action center tab after the initial commit is finished](#)
- ["TortoiseSVN version is not supported" message is shown when the Browse for folder button is clicked in the Source control setup window when working with the TortoiseSVN client version higher than 1.9](#)
- [Excluded objects present only on the source control repository are shown in the Action center tab after SQL Server Management Studio is restarted](#)

Release:	2021.01.2063
Date:	February 19, 2021

#### Enhancements:

- Performance of the Action center tab has been improved up to 280%
- [New framework object for both development models is added](#)
- [Additional ignore comparison options are added under the Script options tab:](#)
  - Server and database names in synonyms
  - Next filegroups in partition schemas

- [Additional synchronization options are added under the Script options tab:](#)
  - Include dependent objects
  - Script USE for database
- [Static data resolve conflict support](#)
- [New ApexSQL Updater allows users to configure advanced updating settings of all installed ApexSQL products](#)
- [Application telemetry now collects anonymous data on the use and performance of applications and application components](#)

#### Fixes:

- 199093: "The 'Stub' package did not load correctly" warning message is shown on SQL Server Management Studio startup after the add-in installation
- 187619: The static data remains listed in the Action center tab after applying it against a database linked to the working folder
- 168784: The Object Explorer right-click database source control context menu is shown only for the first selected database from a connected SQL Server
- 177730: "Policy Warning. Internal error in Changeset Comments Policy" error is encountered when committing changes to the Azure DevOps Services repository and the commit comment policy is set
- 169832: Switching between the Options tab is not possible if the linked database is not selected in the Object Explorer panel before the Options main menu command is clicked
- 182664: "Make sure correct username and password are specified" error is encountered when the Finish button is clicked in the Source control setup window for the Git repository hosted on the BitBucket.org or GitHub service using the SSH authentication
- 187993: The repository script is not shown in the Action center tab for procedures that contain the Alter table and Drop if exists statements in that order
- 192734: "Commit failed and changes will not be applied" error is encountered when the Apply button is clicked in the Action center tab for objects created under the aux schema
- 193836: "SELECT failed because the following SET options have incorrect settings: 'CONCAT\_NULL\_YIELDS\_NULL'" error is encountered when an object is altered using the Concat null yields null statement if the ApexSQL\_SourceControl\_DDL trigger is present on a Server level
- 193990: "Error occurred updating database object: Parse error: Object reference not set to an instance of an object" error is encountered when applying a procedure created under the usercreated schema against a database linked to a working folder
- 200041: An object can be edited without been previously checked out and locked even though when the Restrictive database policy is set
- 185108: "'ApexSQL\_SourceControl\_DDLTrigger' missing. Re-link database to track changes" error is encountered on every click for SQL Server 2008 SP4 database linked in the shared development model
- 178410: Changes can be committed by the other user when the Restrictive database policy is set and the Commit other user changes option is not enabled for a database linked in the shared development model on the Azure DevOps Server
- 179247: The maximal value of the Number of changesets shown in the "History" form option is limited to 1,000 changesets

- 180249: "Could not select repository "" on Server" error is encountered when the Browse for folder button is clicked in the Source control setup window for the Azure DevOps Server when using Token
- 181591: The collation part is not shown in the object script in the Action center tab when the Collations option is checked under the Script options in the Options window
- 181594: The Latin1\_General\_CI\_AS\_KS\_WS collation is generated in the synchronization script regardless of the set database collation when the collation is not specified in the repository script
- 179234: The object status for the user object type does not follow the check status for a database linked in the shared development model
- 179246: All committed changesets to a source control repository are shown in the Object history window
- 180927: The exported excluded objects list will be different if previously is clicked the Show objects button in the Local settings tab of the Options window
- 167076: "Could not connect to Server 'https://dev.azure.com/' with message: 'Method not found: 'Void...'" error is encountered when the Finish button is clicked in the Source control setup window for the Azure DevOps Services
- 167873: "Make sure correct username and password are specified" message is shown when the Finish button in the Source control setup window is clicked for the Git repository hosted on the GitLab service using the SSH authentication
- 168613: "Changes were not applied" message is shown when the Get button is clicked in the Labels dialog
- 129467: "Make sure that correct username and password are specified" message is shown when the Finish button is clicked in the Source control setup window for the Git repository hosted on the Bitbucket Server when using the SSH authentication
- 152841: "To commit changes reenter password" message is shown when the Apply button is clicked in the Action center tab for the Git repository hosted on the BitBucket.org service when using the SSH authentication
- 152849: The getting latest from source control step in the Action center tab never ends for the public Git repository hosted on the BitBucket.org service when using the SSH authentication
- 157548: The Acton center tab cannot be opened if previously is closed using SQL Server Management Studio shortcut
- 163799: The object status is not updated in the framework object tables for the shared development model
- 164177: Object history window is not functional in high DPI and 4K resolution
- 164179: Project history window is not functional in high DPI and 4K resolution
- 165004: SQL Server Management Studio restarts when the Finish button in the Source control setup window is clicked for the Git repository hosted on the BitBucket.org service when using the SSH authentication
- 166021: SQL Server Management Studio closes when the Finish button is clicked in the Source control setup window when a database is linked to a new empty Git repository hosted on the GitLab service when using the SSH authentication
- 166904: "Object reference not set to an instance of an object" error is encountered when the Get changeset button is clicked in the Project history window
- 167069: Framework objects are not dropped after the unlinking process is done for the Azure SQL Database linked in the shared development model
- 192942: Data compressed tables are scripted as partitioned tables, when any other filegroup under a table is not created, is set as a default one

- 199832: The add-in options are not present in the Object Explorer right-click context menu for any object in the linked database
- 76737: "SystemOutOfMemory exception" error is encountered when applying changes against a database with more than 8,000 objects
- 87834: SQL user created from a login is scripted as a SQL user with a password when applying changes against a database
- 88077: Additional empty lines are shown as a difference in the edited object script for a database linked to the Team Foundation Server 2017 repository
- 94386: An object change cannot be applied against a database if the only difference is white space
- 94387: The Get changes from the repository window will not be open when the Check constraint change is applied against a database
- 95081: Table columns will not be scripted in the Action center tab after a table is dropped and re-created and one column is set to be nullable
- 111194: An object will be shown as a conflicted one in the Action center tab after switching branch for a database linked to the Subversion repository
- 115873: "Object references not set to an instance of an object" error is encountered when the Action center tab is opened by the user with the lack of permissions
- 120507: Linked static data will become unlinked after connecting to a SQL Server with another login and connect back with the same login used to link a database
- 123542: The static data remains in the Action center tab after being committed if in the same changeset the custom and migration script are committed as well
- 125085: "Commit failed! Check log for more details" error is encountered when the Apply button is clicked in the Action center tab by a user that has the minimal required permissions
- 149571: The Connect to source control window is shown after every button-click for the Git repository hosted on the Azure DevOps Services
- 152639: SQL Server Management Studio becomes unresponsive when the Refresh button in the Action center tab is clicked for a database with 10,000 objects
- 155462: Ignore comparison options are not loaded when the My default button is clicked in the Source control setup window
- 157571: The add-in Export folder is created wherever the SQL Server Management Studio shortcut exists on the machine
- 157624: The Action center tab cannot be open using the Ctrl+Shift+X keyboard shortcut if it is previously closed using the Alt+F4 keyboard shortcut
- 159525: The Action center tab does not detect the custom script folder unlink change
- 163811: The shortcuts under the Shortcuts tab of the Options window cannot be disabled
- 164220: The resolve conflict window is not shown when single object changes are committed to the repository using the Commit changes command from the Object Explorer panel right-click context menu
- 164923: SQL Server Management Studio becomes unresponsive when branches are merged
- 164930: SQL Server Management Studio becomes unresponsive when the Refresh button is clicked in the Action center tab for a database linked to the Git repository hosted on the BitBucket.org service when using the SSH authentication
- 164932: The Insert scripts are not executed when applying changes against a database
- 164938: The Migration script window is closed when the Edit button is clicked

- 164939: The Add migration script right-click context menu command in the Action center tab is missing after the previously created migration script is deleted for that table
- 166794: "Specified project '\$/<project\_name>' not available. Ensure that project exists and is available" error is encountered when the Refresh button is clicked in the Action center tab for a second database linked to the same repository
- 166889: "Cannot create branch '\$/test-branch1'. The item \$/branch already exists" message is shown when the Create button in the Create branch window is clicked for the Azure SQL Database
- 167207: "Make sure correct username and password are specified" message is shown when the Finish button is clicked in the Source control setup window for the Git repository hosted on the Azure DevOps Services
- 167395: "Credentials are not valid" message is shown when the Finish button is clicked in the Source control setup window for the Azure DevOps Services when the Use Windows authentication option is checked
- 167634: A changeset is not present in the Merge branches dialog when change is committed to a newly created branch for the Git repository when using the File authentication
- 168278: "Passphrase filed is empty or the passphrase not valid" message is shown when the wrong URL is typed in the Source control setup window and the Finish button is clicked for the Git repository when using the SSH authentication
- 168609: The Migration script window is closed when the Edit button is clicked for the existing migration script
- 168680: "Depot with name '\$/DepotName' doesn't exist on this server" message is shown when the Browse for folder button is clicked in the Source control setup window and folder path is already present in the Project filed for the Perforce server
- 178559: "Could not select repository "on Server" error is encountered when the Finish button is clicked in the Source control setup window for the Azure DevOps Server when using the wrong credentials

#### Changes:

- [Error handling and send logs functionality has been modified](#)
- [ApexSQL defaults, My defaults, and Save as my defaults functionality has been modified](#)
- [Ignore comparison options tooltips are clickable now and they show examples for each option](#)
- [Minimal required SQL Server permissions to work with ApexSQL Source Control are changed](#)
- [Minimal required Azure SQL Database permissions to work with ApexSQL Source Control are changed](#)
- [Minimal required Amazon RDS for SQL Server permissions to work with ApexSQL Source Control are changed](#)
- Merge branches option is now supported only for the Git source control system

#### Known limitations

- "TortoiseSVN version is not supported" message is shown when the Browse for folder button is clicked in the Source control setup window when working with the TortoiseSVN client version higher than 1.9
- "Database <database\_name> not accessible for the user 'username'" message is shown when the Link to source control right-click database command in the Object Explorer panel is clicked for a database with an apostrophe in its name

Release: 2019.02.1483

Date: January 17, 2020

Enhancements:

- Display of the right-click context menu in the Object Explorer panel for Azure SQL database is faster for 100%

Fixes:

- Changes will be committed to the online Git repository even when working in the offline mode

Known limitations:

- "Make sure that correct username and password are specified" message is shown when trying to link a database to the Git repository hosted on the Bitbucket Server using the SSH authentication
- SQL Server Management Studio stops working when linking a database to Git repository hosted on the BitBucket.org using the SSH authentication and SSH keys are created with the Command Prompt
- "TortoiseSVN version is not supported" message is shown when the Browse for folder button is clicked in the Source control setup window when working with the TortoiseSVN client version higher than 1.9
- SQL Server Management Studio freezes when the Confirm button is clicked in the Merge branches window for merging branches
- "Specified project '\$/<project\_name>' not available. Ensure that project exists and is available" error is encountered when the Action center tab is refreshed for the second database with the same name and linked to the same repository

Release: 2019.01.1443

Date: December 13, 2019

Enhancements:

- Object status icon for linked static data is added in the Object Explorer panel
- [SQL Server 2019 support](#)
- Getting entire changeset in the Project History window is faster by 6,000%

Fixes:

- The initializing progress bar never ends in the Action center for shared database after importing connection
- "Get latest version failed with the message" error is encountered when the Action center tab starting after importing connection for database linked to the VSTS repository
- The application cannot be uninstalled if any version of SQL Server Management Studio is running, even though the application is not integrated in it

- The application cannot be uninstalled if any version of Visual Studio is running, even though the application is not integrated in it
- The application can be integrated into SQL Server Management Studio 18, even though it's currently running
- "Changes were not applied" error is encountered when the label is applied for the Azure DevOps repository hosted on the Azure DevOps Server
- Changes can be committed to the Azure DevOps repository without specified work item, even though the work item policy and the comment policy are set for that repository
- The White space ignore comparison option under the Action center tab does not work with views
- "AT" alias is deleted in the synchronization script when applying changes against a database
- A database object can be deleted, even if it is not checked out and locked when the Restrictive database policy is set for database linked in the shared development model
- Table index containing the Include clause is not scripted correctly in the Action center tab
- New object cannot be created when the restrictive policy is set for database linked in the shared development model
- The Connect to source control window is not show in the Action center tab after SQL Server Management Studio is restarted for a databases linked to the Git repository using the SSH authentication
- "ApexSQL\_SourceControl\_DDL Trigger is missing" error is encountered when linking a SQL Server 2005 database to Azure DevOps Server repository
- "Merge successful" message is shown when the OK button is clicked in the Merge branches window, even when the branches are not merged
- "Object reference not set to an instance of an object" error is encountered when applying changes against a database linked in the dedicated model to the Git repository hosted on GitHub
- The Action center tab hangs after SQL Server Management Studio is restarted for a databases linked in the shared development model
- "The given path's format is not supported." error is encountered when linking a database to a source control repository from a SQL Server that has ':' in its name
- The Resolve conflict window is shown when two branches are merging for Git repository hosted on Azure DevOps Services
- "Object references not set to an instance of an object" error is encountered when linking the Wide World Importers database to source control
- "Object reference not set to an instance of an object" error is encountered when applying changes against a database linked in the dedicated model to the Git repository hosted on GitHub
- The add-in commands appear in the right-click context menu in the Object Explorer when connected to a SQL Server Analysis Services or SQL Server Reporting Services or SQL Server Integration Services
- Scripts for the renamed table are not shown in the Differences preview window in the Action center tab
- "ApexSQL Source Control - Permissive policy is enabled on this database. Object must be checked out before editing" error is encountered when changes made against a locked object are reverted and the Restrictive policy option under the Administration tab of the Options window is enabled
- The Action center tab does not recognize adding custom scripts as a change
- All objects are shown as not committed in the Action center tab after importing connection for a database linked to the Subversion repository
- SQL Server Management Studio stops working when connecting to SQL Server with the Active Directory - Universal with MFA support authentication

Known limitations:

- "Make sure that correct username and password are specified" message is shown when trying to link a database to the Git repository hosted on the Bitbucket Server using the SSH authentication
- SQL Server Management Studio stops working when linking a database to Git repository hosted on the BitBucket.org using the SSH authentication and SSH keys are created with the Command Prompt
- "TortoiseSVN version is not supported" message is shown when the Browse for folder button is clicked in the Source control setup window when working with the TortoiseSVN client version higher than 1.9
- SQL Server Management Studio freezes when the Confirm button is clicked in the Merge branches window for merging branches
- "Specified project '\$/<project\_name>' not available. Ensure that project exists and is available" error is encountered when the Action center tab is refreshed for the second database with the same name and linked to the same repository

Release: 2018.14.1285

Date: June 21, 2019

Changes:

- Software Transaction Agreement is added as a new step in the installation wizard and updated in accordance with <https://www.quest.com/legal/sta.aspx>

Release: 2018.14.1284

Date: June 13, 2019

Fixes:

- "There is no information about previous state of the object" message is shown when the Undo button is clicked in the Action center tab
- Object status icons in the Object Explorer pane does not show correct object status
- "User" does not have the following permissions to link the database in dedicated model" error is encountered when linking database with dot in its name
- Connecting to repository process never ends when linking a database to Git repository hosted on Azure DevOps Server
- The Edited by column in the Action center tab does not contain any information
- The Connect to source control window is shown for a database linked to a Mercurial repository using file authentication

Known limitations:

- Send logs window is shown when the Object history window is started for Azure SQL database service
- "Make sure correct username and password is specified" message is shown when linking to Git repository hosted on GitLab over SSH authentication
- Database object scripts are not shown in the Project history window for Azure SQL database service

- "Make sure correct username and password is specified" message is shown when linking to Git repository hosted on GitLab over SSH authentication
- "Make sure that correct username and password are specified" message is shown when linking to Git repository hosted on Bitbucket Server over SSH authentication

Release: 2018.13.1279

Date: May 17, 2019

Fixes:

- "There is already an open DataReader associated with this Command which must be closed first" error is encountered when expanding any node in SQL Server Management Studio's Object Explorer while connected to an SQL Server hosted on an Azure VM
- The add-in does not integrate in SQL Server Management Studio when installed in parallel with any other ApexSQL add-in product released after April 02, 2019

Release: 2018.12.1273

Date: May 01, 2019

Fixes:

- The add-in doesn't integrate with SQL Server Management Studio 18 GA version

Release: 2018.11.1263

Date: April 02, 2019

Enhancements:

- The time for showing all database objects in the Object filtering tab of the Source control setup window has been improved by up to 567%
- The time for showing the Action center tab after the Finish button is clicked in the Source control setup window has been improved by up to 50%

Fixes:

- The repository credentials are required after the unlinking process is done for a database linked to the Azure DevOps repository
- "Make sure correct username and password is specified" message is shown when linking to the Git repository hosted on Azure DevOps Services over SSH authentication
- ApexSQL\_SourceControl schema is shown in the Action center tab as an object that can be changed
- "Could not get value for key 'password'" error is encountered when linking a database to Code Commit hosted on Amazon RDS for SQL Server

- "Abort: http authorization required" error is encountered when linking a database to the Mercurial repository hosted on RhodeCode
- The Action center tab cannot be started when the framework database name contains hyphen
- ApexSQL Source Control framework objects are listed in the Object filtering tab for Azure SQL Databases
- "Could not find a part of the path" error is encountered when any source control repository becomes unavailable
- "Error in cleaning directory" error is encountered when the same database is unlinked and then linked in one SQL Server Management Studio session
- "Credentials are not valid" message is shown when the Refresh collections button in the Source control setup window is clicked for Azure DevOps repository and the default Azure DevOps collection is offline
- "The activation key invalid for this version" error is encountered when the eligible license key for ApexSQL Source Control 2018 versions is used for activation
- The Action center tab is refreshed after label applying is canceled
- The Show only different rows option is applied in the Project history window
- SQL Server Management Studio stops working when the Show auto filter rows option from the Action center tab context menu is clicked
- SQL Server Management Studio goes to not responding state when database objects are right-clicked in the Action center tab for a database with more than 18,000 objects
- SQL Server Management Studio goes to not responding state when trying to change the action with a click on the action arrow under the Action column in the Action center tab for database with more than 18,000 objects
- "Make sure correct username and password is specified" message is shown when linking to Git repository hosted on BitBucket.org over SSH authentication

#### Changes:

- Object status icon color for the other user on a shared database is now purple

#### Known limitations:

- "Make sure correct username and password is specified" message is shown when linking to Git repository hosted on GitLab over SSH authentication

Release:	2018.10.1212
Date:	February 21, 2019

#### Fixes:

- Changes made against object containing CTE are not recognized in the Action center tab
- The Choose project window for the Mercurial repository is opened when the Test button is clicked in the Source control wizard
- "SystemOutOfMemory exception" error is encountered when the database node in the Object Explorer panel is expanded if more than 20 databases are linked to source control

- "The activation key invalid for this version" error is encountered when the eligible license key for 2018 add-in version is used for activation
- "The Delete statement conflicted with the reference constraint" error is encountered when applying static data changes from a repository against a database
- "Full-Text Search is not installed, or full-text component cannot be loaded" message is shown when changes are applied against a database even when the Full-Text Search feature is installed on SQL Server
- Database with special characters in its name cannot be linked to source control
- SQL Server Management Studio restarts when the Show objects command under the Global settings tab of the Options window is clicked on for databases with custom scripts folder linked
- "Cannot create branch" error is encountered when click on the Create button in the Create branch window for the Git repository
- "Make sure correct username and password are specified" message is shown when linking a database to the Git repository hosted on GitHub over SSH authentication
- New SQL Server cannot be chosen in the Import connection tab of the Options window
- The project in the Choose project window cannot be deleted for an Azure DevOps Server repository
- "Object reference not set to an instance of an object" error is encountered when applying a label against a database
- "The ApexSQL\_SourceControl\_DDL Trigger is missing" message is shown for SQL Server 2008 R2 databases linked in the shared development model
- The add-in recognizes only default branch for the Mercurial repository
- "Cannot create branch. One or more errors occurred" error is encountered when creating a new branch for the Azure DevOps Server repository
- Branches are not listed in the Select branch window for the Azure DevOps Server repository
- "The custom script folder is linked to source control" message is shown when the custom script folder is unlinked from source control
- Deleted Azure DevOps Server team project is shown as string of random numbers in the Choose project window
- "Make sure correct username and password are specified" message is shown when linking a database to Git or Subversion repository hosted on CloudForge
- "Changes cannot be applied" message is shown when label is applied against a database with FullText index
- "Changes were not applied" message is shown when applying changes against object with FullText index on SQL Server Express edition, if the Full-Text Search feature is not installed on SQL Server
- The comment field in the Action center tab is disabled when commit comment contains only numbers

Release: 2018.09.1142

Date: December 25, 2018

Enhancements:

- Showing static data differences for scripts containing more than 1000 different rows is improved by 6000%

Fixes:

- "Unable to connect to TFS server" error is encountered when using https://dev.azure.com URL to link to the Team Foundation Server repository hosted on Visual Studio Team Services
- SQL Server Management Studio is restarted when the Link database to source control context command is selected for any SSAS database
- "Could not connect to the server" message is shown when the Action center tab button is clicked for a database linked to the Team Foundation Server repository hosted on Team Foundation Server
- Team Foundation Server work item check-in policies do not work
- Team Foundation Server comment check-in policies do not work
- "The specific check-in policies are enabled and not satisfied" error is encountered when committing to the Team Foundation Server repository
- SQL Server Management Studio is restarted when any database is right-clicked under Analysis Services in the Object Explorer panel
- "No source control labels found" message is shown when the Show label command is clicked on, even if there are created labels on Git repository hosted on BitBucket.org
- "Item '\$/TeamProject' is obsoleted" error is encountered when creating a new project for the Team Foundation Server repository hosted on Team Foundation Server
- SQL Server Management Studio restarts upon refreshing the Action center tab after the Project history window is closed
- "There is no information about previous state of the object" message is shown when the Undo button is clicked in the Action center tab
- "TF200016: The following project does not exist" error is encountered when creating a new project on Visual Studio Team Services using the alternate credentials
- The commit messages are missing from the Project history window
- "The ApexSQL\_SourceControl\_DDLTrigger is missing" message is shown when starting the Action center tab for Amazon databases linked in the shared development model
- SQL Server Management Studio is restarted when the auto filter row is shown in the grid and the header of the Action column is clicked on
- "Get by version failed during copying files/folders to destination" error is encountered when applying changes against a database from the Project history window
- "Object reference not set to an instance of an object" error is encountered when the Options window is started
- The Source control setup window is closed when in the project path field is entered the repository URL for Git hosted on BitBucket.org
- The object filtering settings are saved correctly only the first time they are exported
- "Failed to authenticate the Visual Studio Online account" error is encountered when linking database to Git repository hosted to Visual Studio Team Services company private account
- The Choose project window is closed when the New button is clicked on
- The filter for the Action column in the Action center tab will not open when the focus is on the action arrow
- "An error occurred when updating the database object" error is encountered when revert changes made against an object in the Action center tab when the Undo button is clicked on

- "Unable to connect to this Team Foundation Server" error is encountered when starting the Action center tab for database linked to the Team Foundation Server repository hosted on Team Foundation Server after SQL Server Management Studio is restarted
- Created Labels are seen in different project on Mercurial repository on Bitbucket.org
- "Edit migration script" command is shown in the Action center tab context menu when the migration script is not present for the selected table
- "Object reference is not set to an instance of an object" error message occurs when the Action center tab is started on one database and then change it and start on another database
- The action in the Action center tab is changed after the commit has failed to the Team Foundation Server repository
- "The chosen repository is not available" message is shown when the Action center tab is started for the first time after SQL Server Management Studio restart for databases linked to Git public repository hosted on GitHub
- Project information is not checked in the Source control setup window when linking database to Subversion repository
- "The process cannot access the file 'C:\Users\W%user%\AppData\Local\ApexSQL\ApexSQL Source Control' because it is being used by another process." error is encountered when trying to link a database to Git repository hosted on Bitbucked.org
- The Select all command in the Object filtering grid selects group headers
- "Exception caught during the push command" error is encountered when committing to Git repository hosted on BitBucket.org after changing the location of working copy of repository
- Data for the linked database is not moved to new location when the working copy of repository path is changed
- "The 'ApexSQLSourceControl\_instPackage' did not load correctly" message is shown on SQL Server Management Studio 18.0 (preview) startup when the application is installed on a system that has no 17.9 and older host version installed
- "Policy warning. Internal error in Work Items" error is encountered when committing changes to the Team Foundation Server repository without specifying the work item
- "Exception caught during the push command" error is encountered when committing to Git repository hosted on BitBucket.org after changing the location of working copy of repository
- "Exception caught during the push command" error is encountered when committing to Git repository hosted on BitBucket.org after SQL Server Management Studio is restarted
- "An error was encountered and the application needs to be closed" error is encountered when the Action center tab is started for the database linked to the Team Foundation Server repository hosted on Team Foundation Server
- "Some ApexSQL Source Control framework objects were not created successfully" error is encountered when linking SQL Azure Database in the shared model
- "Framework objects will be upgraded" message is shown when clicked on a linked database from the Object Explorer pane
- "An exception occurred USE statement is not supported to switch between databases. Use a new connection to connect to a different database" error is encountered when azure database is linked in the shared development model
- Changes made against static data are not shown in the Action center tab, in case the static data script has more than 1000 rows

- SQL Server Management Studio becomes unresponsive in case the static data from a table with the large amount of data is linked and committed to the repository

Known limitations:

- The project cannot be deleted from the Choose project window for the Team Foundation Server repository hosted on Team Foundation Server
- SQL Azure Database with a special character in its name cannot be linked to source control

Changes:

- The application now requires Microsoft .NET Framework 4.7.2

Release: 2018.08.1068

Date: October 22, 2018

Fixes:

- "Cannot update temp storage" error is encountered when committing changes to the Git repository after changing the location of the working copy of the repository
- "Credentials are not valid" message is shown when linking a database to a TFS repository hosted on Team Foundation Server 2013
- "No source control labels found" message is shown when the Show label command is clicked on even if there are created labels on Git repository
- "The database cannot be used for storing ApexSQL Source Control framework objects" message is shown when linking an Amazon database in the shared model
- Imported Object filtering options are not shown until additional changes are made
- Labels are not shown if the spacing between words is used in name of the label for Subversion source control system
- Setting a Windows default shortcut for an action disables application shortcut
- The Get updates option does not work after expiration of trial

Release: 2018.07.1059

Date: October 09, 2018

Enhancements:

- SQL Server 2019 CTP 2.0 support
- [SQL Server Management Studio 18 integration support](#)

Fixes:

- "The type initializer for ApexSQL Source Control threw an exception" error is encountered when ApexSQL Refactor 2018.03 is installed and the Options dialog is started

- "The culture '[regional culture name]' is not supported" error is encountered when operating system is set to a non-English regional language settings
- "Credentials are not valid" message is shown when linking a database to a TFS repository hosted on Azure DevOps

Release: 2018.06.1043

Date: September 27, 2018

#### Enhancements:

- [Improved application installer with a dark theme](#)
- [New application icon](#)
- [High DPI and 4K resolution support](#)
- The whole changeset can be reverted from the history form

#### Fixes:

- The option settings are not remembered when the Options dialog is closed
- SSMS restarts when trying to link database with "|" in its name
- "Some ApexSQL Source Control framework objects were not created successfully, attempt to relink the database to source control and inspect the add-in log for detailed information" message is shown when linking Azure database to Git repository hosted on GitLab via SSH authentication
- "Make sure correct passphrase or key pair path is specified" error is encountered when try to link a database to Git repository hosted on GitLab via SSH authentication
- Assemblies cannot be added to the migration script
- "Could not find part of the path" error is encountered when linking database to Perforce source control system
- "Error in localize options:Sequence contains no elements" error is encountered when trying to import connection for shared databases
- "Make sure correct username and password are specified" message is shown when try to link a database to Git repository hosted on Team Foundation Server
- The Source control setup window loses the theme after uninstalling ApexSQL Diff or ApexSQL Data Diff
- "The specified folder doesn't have the appropriate structure" message is shown when linking to a repository created with older versions of the add-in
- "Incorrect repository path is used for Git" message is shown when linking a database to Git repository hosted on Bitbucket.org
- "Changes were not applied" error is encountered when applying a label against a database if Full-Text and Semantic Extraction for Search is not installed on SQL Server
- The Labels window appears when the "Check in" command is clicked on from the Object Explorer pane context menu
- SSMS restarts when the Options dialog is closed on the Close (X) button
- Initially committed modified objects under dbo schema are shown in the Action center tab like new objects that have never been committed
- "Changes were not applied" error is encountered when applying label against a database

- "Commit failed! check log files for more details" error is encountered when trying to perform initial commit to Subversion repository using the svn:// URL format
- The "Check all" context menu command in the Action center tab should check only the visible objects from the list
- The newly created labels containing special characters in names are not listed in the Show labels window
- The second commit to TFS repository hosted on Team Foundation Server doesn't work
- "Make sure that correct username and password are specified" message is shown when try to link a database to Git repository hosted on Team Foundation Server via SSH authentication
- "Policy Warning. Internal error in 'policy name'" error is encountered when checking in changes without following the rule enforced with the Team Foundation Server policy
- "The process was terminated due to an unhandled exception." error is encountered when ApexSQL Search 2016.07.0080 is installed as well
- The Source control setup window closes when trying to choose another branch under the System login tab from the Git repository hosted on BitBucket.org
- "Some ApexSQL Source Control framework objects were not created successfully" message is shown when linking database in the shared development model to Git public repository hosted on BitBucket.org
- "The ApexSQL Source Control Trigger is disabled" message is shown when the Action center tab is started for shared databases after restarting SSMS
- The changed option settings are remembered in the General tab of the Options dialog when the ECS keyboard key is pressed
- The filtered object settings in the Object filtering tab of the Options dialog are remembered when the ECS keyboard key is pressed
- All changes made in the Options dialog should be saved automatically when the OK button is clicked on
- SSMS restarts when applying changes from the repository against a database
- "At least one database must be linked to access the "Script options" tab" message is shown when the My defaults button is clicked on in the Options dialog
- The "Owners in synchronization script" option settings are not remembered on closing the Options dialog
- "The type initializer for 'ApexSQL.Common.Misc.ProductInfo' threw an exception." error is encountered when the "Send log" option is clicked on
- "The chosen repository is not available" error is encountered when the Action center tab is started for a database linked to TFS repository hosted on Azure DevOps if the password is not remembered in the Source control setup
- "Object references not set to an instance of an object" error is encountered when trying to commit changes to Git repository hosted on BitBucket.org
- "Could not connect to the server" error is encountered when linking a database to TFS repository hosted on Azure DevOps
- The Object explorer pane context menu commands do not work for database schemas
- The Database dropdown list in the Administration tab of the Options dialog should not be disabled when SQL Server without linked databases is chosen
- ExamDiffPro merging window starts empty when chosen as a default merging tool
- The "Apply changes" option is saved on clicking the Cancel button in the Options dialog
- The "Case" ignore comparison option does not work
- Incorrect SQL migration script can be created in the Add migration script window

- "Could not find file 'C:\Windows\System32\sc.txt'" error is encountered when click on a custom script in the Project history window
- "Method not found" error is encountered when the Get updates command is clicked on
- The Project history window closes when trying to apply changes against a database linked to Perforce source control system
- The Object history window closes when trying to apply changes against a database linked to Perforce source control system
- The Action center tab switches from offline to online mode after refreshing even when the option to go offline is not changed
- "Could not find a part of the path < custom\_scripts\_location > " error is encountered when initiating the Action center tab after shared connections are imported for the shared database
- "Database changes detected. Refresh the "Action center" tab" message is shown after closing the Project history window
- The Browse for folder button for depot does not exist under the System login tab of the Source control setup window for Perforce source control system
- SQL Server Management Studio must be restarted in order for the imported shared connections to take effect when working in the shared model
- "Source control error: Failed commit!" error is encountered after specifying incorrect username when connecting to a public Git repository hosted on BitBucket.org
- The projects under Git branches are not synchronized with branches state when we link a database to a non-master branch
- Check state for listed objects in the Action center tab is not remembered after the Action center tab is refreshed
- Excluded objects are shown in the Object status window
- The "White space" ignore comparison option is checked on the start up
- Commands in the Object Explorer pane context menu are duplicated
- The label name containing spaces is deleted when the OK button is clicked on in the New label window
- The newly added comments to the object script are not shown in the Script difference view
- The object icon in the Object Explorer pane goes grey when the changes are reverted
- "A secure connection could not be established" message is shown when linking for the first time to Git repository hosted on GitHub
- All options are disabled in the Local settings tab of the Options dialog when two or more SQL Servers are connected in the Object Explorer pane
- The action icon in the Action center tab changes direction when objects are checked
- Static data change disappeared from the Action center tab once the table is renamed
- "Database and source control are synchronized. Click to refresh" message is shown when committing changes to source control is stopped
- "Exception caught during execution of push command" error is encountered when committing objects to a Git repository hosted on GitHub without specifying password under the System login tab of the Source control setup window
- The Cancel button inside the progress bar is not working
- "No source control labels found" message is shown when trying to commit change to a repository from the Object Explorer pane

- The Azure DevOps project created in root cannot be deleted from the Choose project window of the Source control setup window
- Clicking the Apply button in case of committing changes takes 3 seconds to respond
- Objects in the Local settings tab of the Options dialog become unchecked when the grouping is cleared
- The information about creating a new database will be initiated in the Source control wizard even when clicking the Previous button in the Development model step
- Database disappears from the database drop down list when trying to choose a database for storing framework objects in the Source control setup window in case a single database exists on a SQL Server
- The Object Explorer pane become unresponsive when right click on a linked database
- Tables without primary keys are shown in the Static data window
- All options are disabled in the Global settings tab of the Options dialog when two or more Servers are connected in the Object Explorer pane
- The add-in should be checking repository availability before the Action center tab is started
- Selecting another database in the Object Explorer pane when the Action center tab is opened unchecks all listed objects in the Action center tab
- All objects are unchecked after the Action center tab is restarted
- Static data changes are not applied when label is applied against a database
- The name of the user who modified table is missing from the Edited by column of the Action center tab
- The Enter keyboard key should do the same action as left mouse click on the Apply button in the Action center tab
- There is not any indication of initializing the Action center tab after refreshing it
- The ApexSQL database disappears from the dropdown list of databases under the Development model tab for the shared model when the dropdown list is clicked on
- The Alt keyboard key should not do the same action as left mouse click on the Next button in the Source control setup window
- The add-in does not allow importing connections for databases that need different credentials from the ones specified first when importing connections for the shared model
- The "Edit" option for uncommitted migration scripts is missing from the Action center tab context menu
- The Migration scripts window does not have a script preview section
- Additional objects linked after linking a database are not detected by the Action center tab

#### Known limitations:

- "Make sure that correct username and password are specified" message appears when try to link on Git source control system hosted on Bitbucket Server over ssh key authentication

Release: 2018.05.1006

Date: August 24, 2018

#### Enhancements:

- [New error handling and send logs functionality](#)
- The Renewal support information in the About window now can be refreshed in order to collect the latest information about the support duration

Fixes:

- "Invalid activation code" error is encountered during the add-in activation process when using activation key of an older version of the add-in
- The Repository column in the Action center tab is missing information about the repository state when ApexSQL Diff is installed

Release: 2018.04.0947

Date: June 28, 2018

Enhancements:

- Support for Team Foundation Server 2018 Update 2
- Support for SQL Server Management Studio 17.8
- [Applied concepts of Visual Language Dictionary for Visual Studio for iconography, imagery, colors, menus, fonts, formatting and other GUI elements](#)

Fixes:

- The Action Center tab stays open after the Cancel button is clicked on in the connect to source control window
- "Access denied. Make sure that username and password are correct" error is encountered when accessing the Git repository hosted on Azure DevOps if it is accessed using the AD accounts
- The Object Explorer tree collapses every time an object is unlinked from source control
- The options under the Global object filtering tab are not being saved for SQL Server databases hosted on Azure virtual machine and linked to the Team Foundation Server repository
- "There is nothing to sync between the source control version and the database" message is shown for the shared databases linked to the Subversion repository when the Get button is clicked on
- The Schemas drop down list under the Object filtering tab of the Source control setup window is empty when skipping the Development model tab
- Custom scripts are not shown in the Object filtering tabs of the Options dialog
- "There is nothing to sync between the source control version and the database" message appears when applying changes from source control against a database related to custom scripts
- Excluded custom scripts remain in the Action center tab
- Loading the Action center tab takes too long in case of linking a database using the Working folder option
- The Action center tab show differences after applying changes from the repository against a database
- "There is nothing to sync between the source control version and the database" error is encountered when trying to delete the migration script through the Action center tab
- The WITH NOCHECK part is added before every constraint in a database object script after reverting a static data change in the Action center tab
- The user who renamed a column with the sp\_rename procedure will not be listed under the Edited by column in the Action center tab
- SQL Server Management Studio stops working after creating multiple branches one after another

- The previously committed migration script appears in the Action center tab after re-linking a database
- "There is nothing to sync between the source control version and the database" message appears when applying a custom script from source control against a database
- SQL Server Management Studio stops working when filtering SQL schemas or object types under the Global settings tab of the Options dialog
- Including objects under the Global settings tab of the Options dialog will not include the same objects under the Local settings tab of the Options dialog
- The last used path for importing connection is not remembered under the Connections tab of the Options dialog
- The add-in takes too much time when browsing the Project history for databases with large number of objects after a number of committed change sets
- The Options dialog closes without any warning even when the Escape button (ESC) is pressed even if there are changes made
- The add-in does not check if the selected default merging tool is installed or not
- "Warn about pending changes on exit?" option does not work unless the Action center tab is opened
- "Column 'REFERENCE\_VALUE' does not allow nulls. " error is encountered when applying the static data from source control to database
- Only the last linked shared database can be chosen under the Global settings tab of the Options dialog
- The synchronization script is created when applying a label even if there are no differences between a database and created label
- The migration script cannot be edited after it is saved
- The Static data window closes if one of the selected tables does not containing the primary key
- "An error occurred while updating the database object" error is encountered on attempt to undo changes made on a database linked in the dedicated model
- The Action center tab goes online automatically after refreshing even if the "Go offline" option is initiated before the refresh
- "Make sure that correct username and password are specified" message appears when linking to a local folder that is not initialized as a Git repository
- "Exception: Serialization failed for Production.ProductDocument [Data].xml" error is encountered when committing static data changes
- The add-in checks credentials for Git public repository
- The Team Foundation Server project cannot be deleted from the Source control setup when the alternate credentials are not used
- Exported object selection cannot be imported unless the "Show all objects" button is not initiated under the Object filtering step of the Source control setup
- Only filtered SQL schemas will be shown in the Object filtering tab of the Source control setup after importing object selection with the specific schemas
- The Options dialog cannot be initiated in case multiple ApexSQL tools are integrated in SQL Server Management Studio
- The Action center tab can be initiated for a SQL database that was previously selected even after disconnecting a SQL Server instance from the Object Explorer pane
- "Object reference is not set to an instance of an object" message appears when opening the Options dialog

- "There is nothing to sync between the source control and the database" message is shown when try to get the migration script from the repository
- "Failed to authenticate the Visual Studio Online account" error is encountered when linking a database to a Git repository hosted on Azure DevOps using HTTPS protocol
- The static data cannot be linked from the Action center tab
- The migration script is not shown in the Action center tab
- The Get button is disabled under the Object history window
- The Connect to source control dialog appears each time when the Action center tab is initiated even if a connection to a Team Foundation Server is established using Windows credentials
- "Save changes made against a database DatabaseName" dialog appears when switching between database in the Administration tab of the Options dialog
- The Action center tab does not contain any information after linking a database to an empty repository
- "Incorrect repository path is used for Subversion" message is shown when the "Browse for folder" button is clicked on when linking a database to the repository hosted on the Subversion
- Linking a database to a Perforce repository is possible without entering username and password or even with wrong credentials
- The Activation window is closed without warning when entering the wrong Activation key
- A database cannot be linked to a Mercurial repository hosted on BitBucket.org
- The static data stays in the Action center tab after commit to the repository is performed
- All objects with schema changes stays in the Action center tab after the commit
- The Apply button in the Action center tab does not work
- "The process was terminated due to an unhandled exception." error is encountered when ApexSQL Search 2016.07.0080 is installed and the Analysis Services is clicked on
- The "Send logs" option doesn't work
- "Source control error: Push operation failed..." message is shown when try to link a database to the Mercurial repository hosted on Bitbucket.org
- "Source control error: Push not permitted. Please check if you have write access to the repository" error is encountered when trying to create a new project on the Git repository hosted on BitBucket.org using SSH authentication
- "Detected local offline commits. ApexSQL Source Control must synchronize repositories to go online" message is shown when trying to link to Git repository hosted on BitBucket.org using the SSH authentication
- "File not found: < folder location >" Error is encountered when trying to link a database to the Mercurial repository hosted on BitBucket.org using the SSH authentication
- The user created user and schema objects do not have the add-in context menu commands in the Object Explorer pane

#### Changes:

- The creation of a new project through the add-in for the Team Foundation Services repository hosted on Azure DevOps is deprecated
- The creation of a new project through the add-in for the Team Foundation Services repository hosted on Team Foundation Services is deprecated
- The application now requires Microsoft .NET Framework 4.7.1

- Support for Windows Vista and Windows Server 2008 is deprecated

Known limitations:

- For linking a database to the Team Foundation Services repository hosted on Azure DevOps the alternative credentials must be used
- For linking a database to the Team Foundation Services repository hosted on Team Foundation Services the alternative credentials must be used
- Creation of the SSH keys through the PuTTYgen for linking a database to the Git repository hosted on BitBucket.org is not supported
- Creation of the SSH keys through the Command Line Interface for linking a database to the Mercurial repository hosted on BitBucket.org is not supported
- Team Foundation Server check-in policies are not supported

Release: 2018.03.0788

Date: March 15, 2018

Fixes:

- "An attempt was made to load a program with an incorrect format. (Exception from HRESULT: 0x8007000B)" message is shown when try to link a database to Perforce source control system
- "There is nothing to sync between the source control version and the database" message is shown when the Get button is clicked on in the Project history window
- Filtering settings done under the Global settings tab of the Options dialog are not remembered
- "Make sure that username and password are correct" error is encountered when linking a database to a Git repository hosted on Azure DevOps hosted by company account using the SSH protocol
- SQL Server Management Studio stops working after connecting to a SQL Server Analysis Services instance
- SQL Server Management Studio stops working after connecting to a SQL Server Reporting Services instance

Release: 2018.02.0778

Date: February 20, 2018

Fixes:

- A database cannot be linked to a Git repository hosted on company Azure DevOps with Azure AD account when SSO authentication is enabled
- The application repeatedly asks for the activation key when it is started on an Amazon EC2 instance after the virtual machine resources were deallocated and allocated again
- The add-in only shows Team Foundation Server projects from the Default collection even if a different Collection is selected in the drop-down list in the System login step of the Source control wizard
- A database cannot be linked to a Team Foundation Server repository hosted on Azure DevOps

- The comparison step in the Action center tab works indefinitely when linking a database to a Git repository hosted on Azure DevOps
- Polish static data characters are shown as question marks in the Script view difference window
- SQL Server Management Studio stops responding when a database is already linked with an older version of the add-in in the shared development model
- Memory\_optimized tables stay in Action Center tab after the commit

Release: 2018.01.0766

Date: December 27, 2017

#### Enhancements:

- Support for Team Foundation Server 2018

#### Fixes:

- The "Case in name" option under the Script options tab of the Options dialog does not work
- SQL Server Management Studio stops responding when Increase font size to max and turn on the "Word wrap" option in the Differences preview window
- An object appears in the Action center tab after it is committed to the Perforce repository
- "Source control error: Add folder failed with message 'TF14054: The Encoding -2 is not valid. The client should never send this value.'" error is encountered when creating a Team Foundation Server project on root of a repository
- "Source control error: Method not found" error is encountered while creating new project for a Team Foundation Server repository
- ANSI PADDING setting is set to OFF after committing SQL index to a repository even if the SQL index script shows the same setting as ON in SQL Server Management Studio
- Notification for new versions of add-in does not work
- The add-in context menu is missing from the Object Explorer pane
- "The located assembly's manifest definition does not match the assembly reference. (Exception from HRESULT: 0x80131040)" error is encountered when linking a database to a Perforce repository
- "SELECT failed because the following SET options have incorrect settings: 'CONCAT\_NULL\_YIELDS\_NULL, ANSI\_WARNINGS'." error is encountered when compiling any change on a server where the add-in server DDL trigger is installed
- "An error occurred while updating database objects" error is encountered when the Undo button is clicked in the Action center tab
- The add-in does not generate complete script when applying changes from source control against a database

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