ApexSQL Defrag

Version 2019.x

Release Notes and Requirements

System requirements

Hardware	Dual Core 2.0 GHz CPU 3 GB memory 133 MB disk space
SQL Server	SQL Server 2005 and higher [1]
OS	Windows 7 SP1/Windows Server 2008 R2 SP1 and higher [1]
Software	.NET Framework 4.7.2 or higher SQL Server 2008 or higher [1], for the Central repository database
Note	SQL Server Express edition is not recommended for the Central repository database, due to the database size limitation
Permissions and additional requirements	Windows user account with administrative privileges sysadmin SQL Server role See Minimum permissions required to install and use ApexSQL products

[1] See Supported systems for exact version support

Supported Software

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 Defrag [1]	✓	✓	✓	✓	✓	✓	✓	✓	✓

SQL Server edition [3]						
				Azure SQL Database		Amazon RDS for SQL Server
	Express	Standard	Enterprise	Single Database, Elastic Pool	Managed Instance	
ApexSQL Defrag [1]	✓	✓	✓	✓	✓	

[1] Central repository requires SQL Server 2008 or greater. SQL Server Express edition is not recommended due to the database size limitation

[2] Tested on Ubuntu 16.04

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

Getting Started

For further information about installation and getting started, please check the Quest Knowledge Base.

Release Notes [(release history)](release history)

Release:	2019.01.0206
Date:	April 2, 2020

Changes:

- Agent configuration step has been moved to the initial application launch

Release:	2019.01.0203
Date:	December 18, 2019

Enhancements:

- SQL Server 2019 support

Fixes:

- Central repository database connection file is removed when updating to a new major version

Release:	2018.09.0198
Date:	December 4, 2019

Fixes:

- Central Repository Database file is not deleted when application is uninstalled
- Vertical scroll bar in "Deletescript.sql" editor is missing
- "The system cannot find the file specified" error is encountered when Databases dropdown button is clicked while (local) option in Servers is selected
- "Object reference not set to an instance of an object" error is encountered when trying to access a nonexistent SQL Server instance
- SQL Server can be added when SQL Server authentication is used while incorrect password is provided

Release:

2018.08.0190

Date:

August 12, 2019

Release:	2018.08.0190
Date:	August 12, 2019

Fixes:

- SQL Servers are not shown in the Server panel, even though indexes are visible in the main grid
- Index fragmentation is not shown in the main grid for any selected SQL Server and/or its databases
- The previous version of the application is not uninstalled when updating to a newer version
- "Please wait..." message is shown indefinitely on the screen after the Central repository connection is established after the clean installation
- Deleting alerts in the Alerts tab takes too long when the row count exceeds 10,000
- Fragmentation window is not shown when switching from Policies/Activities/Alerts tabs to Home tab and selecting a database from the Server list
- Deleted items remain in the Activities tab until the main grid is manually refreshed
- Deleting items from expanded activity job in the Activities tab deletes the whole activity

Release:	2018.07.0168
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:	2018.07.0167
Date:	May 27, 2019

Fixes:

- No data is shown for SQL Server 2005 Express edition in the Indexes grid pane

Release:	2018.06.0163
Date:	April 16, 2019

Enhancements:

- Active Directory support for:
  - Password authentication
  - Integrated authentication

Changes:

- The application now requires Microsoft .NET framework 4.7.2

Release:	2018.05.0160
Date:	October 31, 2018

Enhancements:

- SQL Server 2019 CTP 2.0 support
- [New error handling and send logs functionality](#)
- [Improved application installer with a dark theme](#)
- [New application icon](#)

Fixes:

- "Object reference not set to an instance of an object" error is encountered when Statistics button is clicked in Reports tab for a newly added server
- "ApexSQL Defrag Agent has stopped working" error is encountered on Windows Server operating systems when ApexSQL Defrag Agent service is installed directly from the setup file
- "Select correct interval" message is shown when random database of a newly added server is selected in server panel in Home tab
- Server panel status is stuck to "Refreshing" after an offline server is removed from the panel
- Application error message is not shown when ApexSQL Defrag Agent stops working

Release:	2018.04.0148
Date:	July 12, 2018

Fixes:

- "ApexSQL Defrag has stopped working" error is encountered on application startup if ApexSQL Defrag Agent isn't already installed

Release:	2018.03.0146
Date:	June 26, 2018

Enhancements:

- Index fill factor management
- Scheduler can generate weekly and monthly schedules for the defragmentation policies

- Server resources verification can be started on demand when defining policies
- Operation sequence can be defined for policies
- Custom maintenance scripts can be included in policies
- Limit the number of CPU cores used for the policy execution
- Delay policy execution on locked server objects
- Export the list of registered server objects
- Index size prediction is available for index size reports
- All reports can be exported to CSV and XML formats
- Index rebuild and index reorganize operations can be paused or resumed on demand

Fixes:

- "ApexSQL Defrag agent has stopped working" error is encountered when the application is updated manually from version 2017.04 to 2018.01
- "Downloading data" message is displayed in status bar after the update is performed from version 2017.04 to 2018.01
- New firewall exception is added each time the application is installed
- New servers cannot be added to the server pane in Home tab after the trial period expires
- Changes are not saved for the edited policies when new databases are added as policy targets
- Resources form cannot be closed with (Esc) key
- Templates form cannot be closed with (Esc) key
- ApexSQL Defrag agent service log files are not included in email attachment when Send logs button is clicked

Known limitations:

- Offline status of a database is not displayed in the server tree view

Release:	2018.02.0130
Date:	February 01, 2018

Fixes:

- "Server not found" error is encountered when the policies that process indexes on SQL Server 2012 and earlier versions are executed

Known limitations:

- Offline status of a database is not displayed in the server tree view

Release:	2018.01.0127

Date:	December 21, 2017

Enhancements:

- High DPI and 4K resolution support
- Applied concepts of Visual Language Dictionary for Visual Studio for iconography, imagery, colors, menus, fonts, formatting and other GUI elements
- Continuous agent health check
- Policies can be configured to independently run reorganize and/or rebuild jobs

Fixes:

- "There are no duplicate indexes in current analyze result" error is encountered when there are no servers added in the server pane
- Blank Duplicate indexes form opens after the message "There are no duplicate indexes in current analyze result" is encountered
- Horizontal column size increases when Refresh button is clicked in Activities tab and activities grid contains no data
- "Object reference not set to an instance of an object" error is encountered when expanded activities grid is exported as HTML document
- Exported Activities history HTML report does not have the same grouping as Activities grid
- Agent status taskbar icon is not updated when agent service stops working
- No warning or error message is encountered when defragmentation job is run while agent service is stopped
- "Cannot refresh databases" error is encountered when agent service is inactive
- Email notifications cannot be set if port number is not specified
- Wrong values are displayed in the Ended column in Activities tab for all defragmentation jobs that are not completed
- Wrong values are displayed in Activity details grid when a task that belongs to expanded policy is selected
- "Invalid name character in 'Start type'. The '' character, hexadecimal value 0x20, cannot be included in a name" error is encountered in Activites tab for all manually input values
- "Cannot refresh duplicate indexes" error is encountered when duplicate index scan is run against offline databases
- ESC keyboard shortcut does not close Duplicate indexes form
- ESC keyboard shortcut does not close Get updates form
- Two context menus are opened on double right click on fragmentation grid

Changes:

- Server pane has been removed from Policies tab, Activities tab, and Alerts
- The application now requires Microsoft .NET Framework 4.7.1
- New light, blue and dark themes are now available

Known limitations:

- Offline status of a database is not displayed in the server tree view