ApexSQL® Data Diff for MySQL 2021.x

Release Notes

These release notes provide information about the ApexSQL® Data Diff for MySQL which is a major release.

Topics:

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About ApexSQL Data Diff for MySQL

ApexSQL Data Diff for MySQL is a MySQL Server data comparison and synchronization tool that can detect data differences between two MySQL databases and resolves them without any errors. Beside MySQL versions, it also supports Azure Database, Amazon RDS for MySQL and MariaDB. It generates data comparison results, creates automation scripts, and the comparison and synchronization process can be automated and run unattended.

New Features

This version of ApexSQL Data Diff for MySQL introduces the following new features, enhancements or deprecations:

Changes:

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

Known issues:

- Users cannot successfully log in to the Quest account when using a proxy server with the username and password

Getting Started

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

System requirements

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

Hardware	Dual Core 2.0 GHz CPU 3 GB memory 151 MB disk space
MySQL Server	MySQL Server 5.6 and higher [1] MariaDB Server 10.1 and higher [1] Azure Database for MySQL[1] Azure Database for MariaDB [1] Amazon RDS for MySQL [1] Amazon RDS for MariaDB [1]
OS	Windows 7 SP1/Windows Server 2008 R2 SP1 and higher [1]
Software	.NET Framework 4.7.2 or higher
Permissions and additional requirements	Windows user account with administrative privileges See Minimum permissions required to install and use ApexSQL products See Minimum SQL Server permissions for ApexSQL Developer tools See Remote access for SQL Server instance

[1] See Supported systems for exact version support

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

[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
✔	✔	✔	✔	✔

MySQL Server version			
	5.6	5.7	8.0
ApexSQL Data Diff for MySQL	✔	✔	✔

MySQL Server edition [3]						
	Community	Standard	Enterprise	Cluster CGE	Azure Database for MySQL Server	Amazon RDS for MySQL
ApexSQL Data Diff for MySQL	✔	✔	✔	✔	✔	✔

MariaDB Server version				
	10.1	10.2	10.3	10.4
ApexSQL Data Diff for MySQL	✔	✔	✔	✔

MariaDB Server edition [3]				
	Community	Enterprise	Azure Database for MariaDB	Amazon RDS for MariaDB
ApexSQL Data Diff for MySQL	✔	✔	✔	✔

[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, MySQL Server, and MariaDB Server instances

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

[5] Up to the latest version

[6] The Object search feature does not support Temporal Data Tables in MariaDB Server 10.3 and above

[7] Supported versions: CentOS 7 and above, Debian 7 and above, Fedora 23 and above, Ubuntu Desktop 14.04 and above

Product licensing

ApexSQL offers 2 types of licenses:

1. Individual license

For applications licensed per user, an individual license is for the use of a single user only. This means that only 1 user can use 1 license. If there are multiple users, multiple licenses are needed.

For applications licensed per instance, an individual license is to be used on a single SQL Server instance only. If there are multiple instances, multiple licenses are needed.

2. Enterprise license

An enterprise license can be activated on an unlimited number of instances and can be used by an unlimited number of users, without geographical limitations.

Release History (release notes)

Release:	2021.01.0043
Date:	March 22, 2021

Changes:

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

Release:	2020.02.0031
Date:	December 08, 2020

Changes:

- The preview period has been extended to 03/31/2021

Release: 2020.01.0028
Date: September 16, 2020

Features:

- MySQL Server 5.6 and higher support
- MariaDB Server 10.1 and higher support
- Azure Database for MySQL support
- Azure Database for MariaDB support
- Amazon RDS for MySQL support
- Amazon RDS for MariaDB support
- Object types to compare:
    - Tables
    - Views
- Object types to compare:
    - Compare floats using maximum precision
    - Ignore Blob columns
    - Ignore case in table/view names
    - Ignore case in text data types
    - Ignore computed columns
    - Ignore leading and trailing spaces
    - Ignore new objects
    - Ignore Timestamp columns
    - Ignore underscores in table/view names

- o Treat empty strings and nulls as equal
- Synchronization options:
  - o Script Use for database
- Customizes object mapping
- Filters object types, or specific objects, or specific rows before the comparison
- Exports comparison results into:
  - o HTML simple report
  - o HTML interactive report
  - o Excel report
  - o CSV data report
- Examines data differences between compared objects in the Data difference view panel
- Pre-synchronization warnings and actions
- Output actions:
  - o Save synchronization script to a file
  - o Open synchronization script in the Integrated editor for editing prior to execution
  - o Synchronize now executes the synchronization script directly on a destination database
- Save project as automation script
- Command line interface
- Plays a sound upon finished operation:
  - o Comparison
  - o Synchronization
  - o Comparison and synchronization
- GUI themes
- High DPI and 4K resolution support
- Visual Language Dictionary for Visual Studio for iconography and other imagery concepts applied
- Application telemetry collects anonymous data on the use and performance of application and application component
- ApexSQL Updater configures advanced updating settings of all installed ApexSQL products

About us

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

Contacting Quest

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

Technical Support Resources

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

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

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

Legend

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

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