

# ApexSQL® Diff for MySQL 2021.x

## Release Notes

These release notes provide information about the ApexSQL® Diff for MySQL2020.x which is a major release.

Topics:

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## About ApexSQL Diff for MySQL

ApexSQL Diff for MySQL is a MySQL Server, Azure Database and Amazon RDS for MySQL and MariaDB comparison and synchronization tool which detects differences between database objects and resolves them without errors. It compares and synchronizes live databases, generates comprehensive reports on the detected differences and creates automation scripts for scheduling and running unattended.

## New Features

This version of ApexSQL 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.

<b>Hardware</b>	Dual Core 2.0 GHz CPU 3 GB memory 151 MB disk space
<b>MySQL Server</b>	MySQL Server 5.6 and higher <sup>[1]</sup> MariaDB Server 10.1 and higher <sup>[1]</sup> Azure Database for MySQL <sup>[1]</sup> Azure Database for MariaDB <sup>[1]</sup> Amazon RDS for MySQL <sup>[1]</sup> Amazon RDS for MariaDB <sup>[1]</sup>
<b>OS</b>	Windows 7 SP1/Windows Server 2008 R2 SP1 and higher <sup>[1]</sup>
<b>Software</b>	<a href="#">.NET Framework 4.7.2</a> or higher
<b>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="#">Minimum SQL Server permissions for ApexSQL Developer tools</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.

<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
✓	✓	✓	✓	✓

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

MySQL Server edition <sup>[3]</sup>						
	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	✓	✓	✓	✓
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MariaDB Server edition <sup>[3]</sup>				
	Community	Enterprise	Azure Database for MariaDB	Amazon RDS for MariaDB
ApexSQL Data Diff for MySQL	✓	✓	✓	✓

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

<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, MySQL Server, and MariaDB Server instances

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

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

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

<sup>[7]</sup> 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: 2021.01.0086

Date: March 22, 2021

Changes:

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

Release: 2020.02.0056

Date: July 15, 2020

Fixes:

- The synchronization is not working when using the Northwind database as source and empty database as destination
- The Manage updates button in the Resources tab is not working

Changes:

- The preview period has been extended to 12/31/2020

Release: 2020.01.0051

Date: May 28, 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
- Ignore comparison options:
  - Case
  - Case in names
  - Column order
  - Constraint names
- Synchronization options:
  - Script database name
  - Script Use for database
  - Use Drop/Create statements instead of Alter for different procedures, functions, triggers and views

- Use Drop/Create statements instead of Alter for different tables
- Associates columns having similar names
- Filters object types or specific objects before the comparison
- Exports comparison results into:
  - HTML simple report
  - HTML interactive report
  - HTML schema report
  - Excel report
  - XML schema difference export
  - Comparison summary
- Filters compared objects with the Object filter and Difference filter panels
- Quickly determines specific type of differences of compared objects in the Difference by type panel
- Examines character-level differences between compared objects in the Script difference view panel
- Includes dependent database objects in synchronization script
- Pre-synchronization warnings and actions
- Output actions:
  - Save synchronization script to a file
  - Open synchronization script in the Integrated editor for editing prior to execution
  - 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:
  - Comparison
  - Synchronization
  - 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 now collects anonymous data on the use and performance of applications and application component](#)
- ApexSQL Updater is added for configuring 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](http://www.quest.com).

## Contacting Quest

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## 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.

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## Legend

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

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