# ApexSQL Diff for MySQL

Version 2020.x

Release Notes and Requirements

## System requirements

| Hardware | Dual Core 2.0 GHz CPU<br>3 GB memory<br>151 MB disk space |
|---|---|
| MySQL Server | MySQL Server 5.6 and higher [1]<br>MariaDB Server 10.1 and higher [1]<br>Azure Database for MySQL [1]<br>Azure Database for MariaDB [1]<br>Amazon RDS for MySQL [1]<br>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<br>See Minimum permissions required to install and use ApexSQL products |

[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

[3] The minimum required version

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

[5] Up to the latest version

# 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 |
|:---:|:---:|:---:|:---:|:---:|
| ✔ | ✔ | ✔ | ✔ | ✔ |

## MySQL Server version

| | 5.6 | 5.7 | 8.0 |
|---|:---:|:---:|:---:|
| ApexSQL Diff for MySQL | ✔ | ✔ | ✔ |

## MySQL Server edition [3]

| | Community | Standard | Enterprise | Cluster CGE | Azure Database for MySQL Server | Amazon RDS for MySQL |
|---|:---:|:---:|:---:|:---:|:---:|:---:|
| ApexSQL Diff for MySQL | ✔ | ✔ | ✔ | ✔ | ✔ | ✔ |

## MariaDB Server version

| | 10.1 | 10.2 | 10.3 | 10.4 |
|---|:---:|:---:|:---:|:---:|
| ApexSQL Diff for MySQL | ✔ | ✔ | ✔ | ✔ |

| MariaDB Server edition [3] | | | | |
| --- | --- | --- | --- | --- |
| | Community | Enterprise | Azure Database for MariaDB | Amazon RDS for MariaDB |
| ApexSQL 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, Red Hat Enterprise Linux 7 and above, Ubuntu Desktop 14.04 and above

# Getting Started

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

# Release Notes (release history)

| 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:

- 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 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