

# Toad® Data Modeler 6.4.3 Beta

## Release Notes

Tuesday, February 20, 2018

These release notes provide information about the Toad® Data Modeler release.

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## About Toad Data Modeler

Toad Data Modeler helps organizations create, maintain and document their database systems with an easy-to-use graphical interface into new or existing database structures. Toad Data Modeler enables users to reverse engineer database structures, update models, design and generate SQL, compare models and generate alter scripts, create HTML or RTF reports, in addition to versioning of database designs and creation of to-do lists.

Toad Data Modeler 6.4.3 Beta is a minor release, with enhanced features and functionality. See [New in Toad Data Modeler 6.4.3 Beta](#) and [Resolved issues](#) for more information.

Toad Data Modeler is released in 32-bit and 64-bit versions. The 64-bit version of the application has a significantly higher memory limit which should resolve several common issues incl. out of memory errors, which occurred when working with complex models.

However, in order to reverse engineer databases that require a client you need a corresponding version of the client, i.e. 32-bit or 64-bit.

# New in Toad Data Modeler 6.4.3 Beta

Toad Data Modeler 6.4.3 Beta expires on June 15, 2018.

## New in This Drop

In 6.4.3 Beta the following new features and enhancements were integrated:

### General

- New **Project** reporting in HTML
- **Data Generation** in **Entity Properties**

### Database Enhancements

- Support for Amazon Redshift 1.0
- Support for PostgreSQL 10 and Amazon Aurora PostgreSQL 9.5

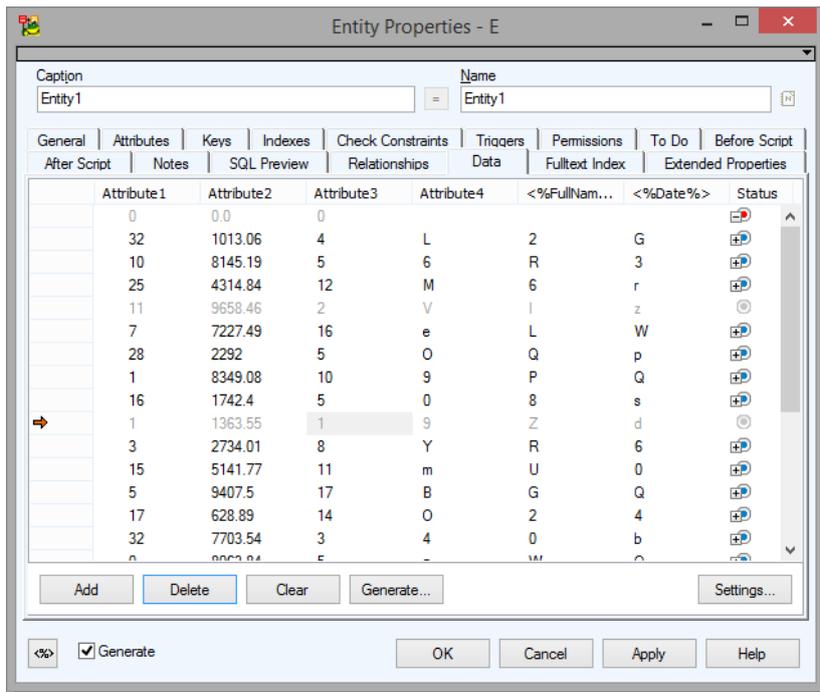
For other enhancements and bug fixes see [Resolved issues](#)

## General features

### Data Generation for MS SQL Server

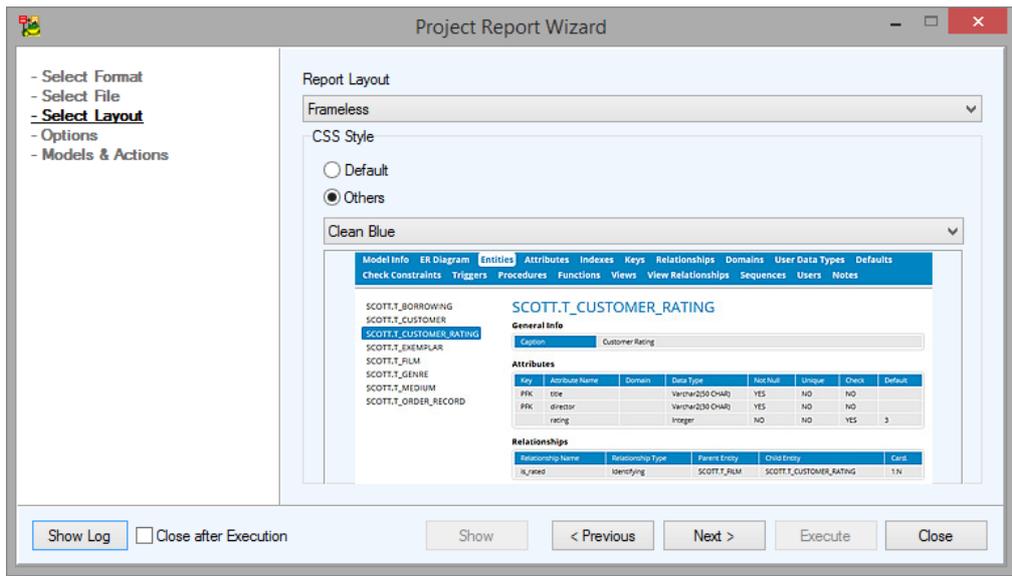
- Generate your data for Microsoft SQL Server models easily. Data generation is supported for MS SQL Server 2005 and onwards
- Setup your **Attributes** and switch to **Data** tab to generate your data
- Click **Add** to add one record, click **Generate** to add a specified number of new records
- Click **Delete** to remove the selected record and **Clear** to clear out all your generated data. Cleared data appears grayed out
- Click **Settings** to disable/enable attributes and adjust minimum and maximum values for generation of data for each column (attribute) for the current model
- Click **Settings | Options | Model | Physical Model | Microsoft SQL Server | Generating Data** to adjust default data generation settings for all MS SQL Server models. When you change any of these default values it will be carried on to all your SQL Server models

**i** | **TIP:** Click <%> to add application variables in **Attributes** in order to use them in your generated data



## Project Reporting

- Now you can easily create a report for your Toad Data Modeler projects
- Right-click your project in **Application View** and select **Report**
- Currently only HTML is available in beta
- Publish to Intelligence Central or to a folder
- Choose your layout and style for the report and preview the look below
- In **Options** select what you want to include in your report
- In **Models & Actions** select which models you want to include and which **Model Action** you want to perform
- After clicking **Execute** the report will be created in Intelligence Central or your local destination folder



## Workspace Layout Copy

- With Toad Data Modeler 6.4 you can easily save layouts as files and load them later
- Right-click into your **Designer** and select **Workspace Layout | Save to File** or **Load from File** to save or load a layout into a \*.twl file

## Database features

### Amazon Redshift 1.0

- Amazon Redshift 1.0 is now fully supported
- Database settings are placed in **Settings | Options | Model | Physical Model | Amazon Redshift**
- Reverse Engineering and DDL Script Generation are supported

### PostgreSQL 10 and Aurora PostgreSQL 9.5

- PostgreSQL 10 and Amazon Aurora PostgreSQL 9.5 are now fully supported
- Database settings are placed in **Settings | Options | Model | Physical Model | Platform name** respectively
- Reverse Engineering, Change Script and DDL Script Generation are supported

For more information on supported databases see the list of [Supported database platforms](#)

# Resolved issues

The following is a list of issues addressed in this release.

Resolved Issue	Issue ID
Issue when updated or added information to attributes was getting lost during Excel import has been fixed.	3821/4134632
Interval for drag'n'dropping of attributes has been modified.	3819/4133479
List Index of Bounds(0) error on merging two models when one of them is not in the root project folder has been fixed.	3883
Syntax highlighting now works correctly in Model Properties and SQL Preview	4131, 4026
Changing a relation type is now possible via scripts	4005/4175751
Conversion from a logical model as been fixed	3968/4168064
Indexes for MS SQL Server are now always generated using CLUSTERED or NONCLUSTERED clauses	3943
Automatic generation for MS SQL Server has been implemented	3473/ 3645825

# Known issues

The following is a list of issues, including those attributed to third-party products, known to exist at the time of release.

Issue	Issue ID
PEREntityPG92 record in Reference Guide is not correct	TDM-3351

# System requirements

Before installing Toad Data Modeler 6.4.3 Beta, ensure that your system meets the following minimum hardware and software requirements.

## System requirements

	Minimal Requirements	Optimal
Memory	1 GB	4 GB
Hard Disk Space	400 MB	1 GB

	Minimal Requirements	Optimal
Operating System	Microsoft Windows 10 (64-bit) Microsoft Windows 8.1 PRO (64-bit) Microsoft Windows 8 PRO (64-bit) Microsoft Windows Server 2016 (64-bit) Microsoft Windows Server 2012 (64-bit) Microsoft Windows Server 2008 R2 (64-bit) Microsoft Windows Server 2008 (32-bit or 64-bit)* Microsoft Windows 7 (32-bit or 64-bit) * Microsoft Windows Vista (32-bit or 64-bit) * *For Toad Data Modeler 64-bit version, only 64-bit version of the operating system can be used.	

**i** | **Note:** Microsoft .NET Framework version 3.5 is required on first application start.

## Virtual appliances

Review the following information about using Toad Data Modeler in virtual environments:

Requirement	Details
Application	Toad Data Modeler has been tested for Citrix support on the Citrix XenApp 6.5.
Desktop (VDI)	Issues during printing using virtual printers - The problem occurs only in case of print from a local machine (all printers from local machine are visible on vWorkspace). If the virtual printer is installed on vWorkspace directly, the issue will not occur.
Server	Oracle VM 3.0 Toad Data Modeler has been tested with VMware Server 2 running on Windows 7.

Toad Data Modeler may work correctly in virtual environments other than the tested ones. In case of virtual servers, support for Toad Data Modeler is provided on the basis of supported operating systems.

## Cloud database services

Toad Data Modeler supports the following cloud-based database services:

- Oracle Database as a Service

## Upgrade and compatibility

It is not possible to open models created in Toad Data Modeler 6.4.3 Beta in versions earlier than 6.0. Version 5.2 introduced new system of relationship lines. Models created in version 5.1 and lower are automatically converted to the newer format. Backup your models prior to opening them in version 5.2 or higher.

Do not open and re-save models originally created in a higher version of Toad Data Modeler in a lower version of Toad Data Modeler.

If the previous 32-bit Toad Data Modeler Beta version has not been uninstalled, it will not be uninstalled or upgraded automatically. Both installations will also share the same configuration folders.

# Supported database platforms

## Supported model types

- Logical
- Universal
- Physical

## Supported databases

- Amazon® Aurora MySQL 5.6
- Amazon® Aurora PostgreSQL 9.5
- Amazon® Redshift 1.0
- IBM® DB2® z/OS® 9, 10, 11
- IBM® DB2® LUW 9, 9.5, 9.7, 10.1, 10.5, 11.1
- IBM® DB2® UDB 8 (LUW)
- Greenplum Database® 4.1, 4.2
- Ingres 9.3, 10.0
- Microsoft® Access® 2000-2003, 2007-2010
- Microsoft® Azure® SQL Database V12
- Microsoft® SQL Server® 2000, 2005, 2008, 2012, 2014, 2016
- MySQL 5.0, 5.1, 5.5, 5.6, 5.7
- Oracle® 9i, 10g, 11g R1, 11g R2, 12c R1, 12c R2
- PostgreSQL 8.1, 8.2, 8.3, 8.4, 9.0, 9.1, 9.2, 9.3, 9.4, 9.5, 10
- SQLite 3.7
- SAP® SQL Anywhere 17
- SAP® ASE 16.0
- Sybase® ASE 12.5, 15, 15.7
- Sybase® IQ 15.2
- Sybase® SQL Anywhere 11
- Teradata 13
- Vertica Database 8.0
- Other (Universal Model)

**i** | Note: For more information about the level of support please see **Help**, section **Introduction | Supported Databases**.

# Getting started with Toad Data Modeler 6.4.3 Beta

## Upgrade and installation instructions

The Toad Data Modeler release package contains the following products:

- Installation file of Toad Data Modeler (MSI)
- Product Documentation, including:
  - Release Notes (PDF)
  - Installation Guide (PDF)

### Installation Instructions

Refer to Toad Data Modeler [Installation Guide](#) for installation instructions.

## Additional resources

If applicable, point to related references, provide a list of corresponding documents, videos, or identify the community where additional information can be obtained. Otherwise, delete this section.

Additional information is available from the following:

- [Online product documentation](#)
- [Toad World community](#)

## Globalization

This section contains information about installing and operating this product in non-English configurations, such as those needed by customers outside of North America. This section does not replace the materials about supported platforms and configurations found elsewhere in the product documentation.

This release is Unicode-enabled and supports any character set. In this release, all product components should be configured to use the same or compatible character encodings and should be installed to use the same locale and regional options. This release is targeted to support operations in the following regions: North America, Western Europe and Latin America, Central and Eastern Europe, Far-East Asia, Japan.

The release is localized to the following languages: Chinese (Simplified), Chinese (Traditional), Czech, Hebrew, Italian, Portuguese (Brazil), Russian, Spanish.

This release has the following known capabilities or limitations: Localized support for HTML and RTF/PDF reports in several languages will be distributed via TDM Community.

Available dictionaries: Chinese (Simplified and Traditional), Czech, Hebrew, Hindi, Punjabi, Russian, Spanish, Brazilian Portuguese and Italian

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