Toad Data Point 5.0.x

Release Notes

Thursday, July 25, 2019

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About Toad Data Point

With Toad, developers and database administrators can use a familiar, proven tool to manage databases. Toad empowers developers and administrators, of varying skill levels, to rapidly create and execute queries, automate database object management, and develop SQL more efficiently.

Toad also provides utilities to compare, extract and search for objects, manage projects, import/export data and administer the database, while increasing your productivity and delivering access to an active user community.

Toad 5.0.7 is a patch release with new enhancements and resolved issues.

New Features

- Toad Data Point - Professional Edition
- Toad Data Point - Base and Professional Editions

Toad Data Point - Professional Edition

The Toad Data Point Professional edition includes the following new features and enhancements.

Toad Workbook

Toad **Workbook** is a completely new user environment of Toad. Use **Workbook** to dramatically simplify your report building process.

Every **Workbook** is made up of one or more workflows. A workflow is a sequence of steps, in which you create your database query and refine the result set. The result steps that you create using **SQL Editor** or **Query Builder** is used by all steps of the workflow. Once you are happy with your result you can output it to several locations at once or create reports in various formats.
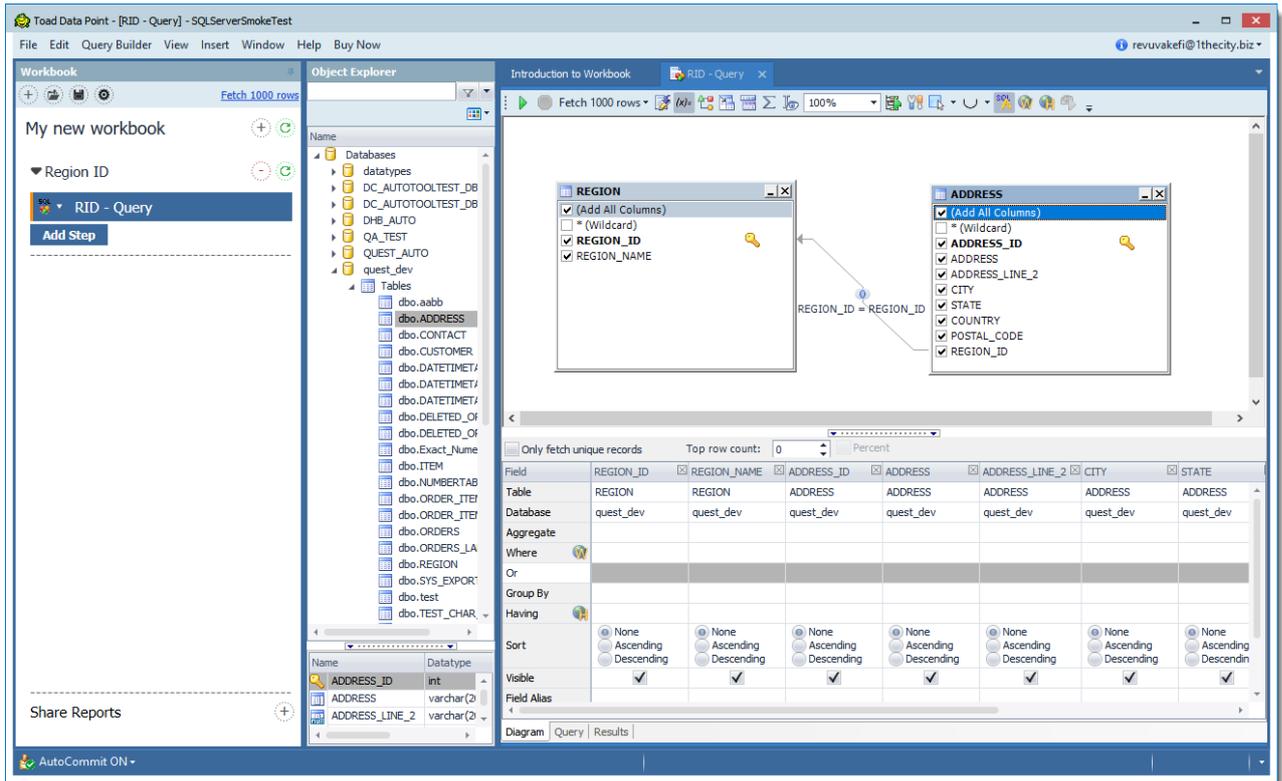
In **Workbook** you can build multiple workflows and run them all using a single button. Save your workflows to work with them later and share reports easily using email.

You start by building your result set in **Query Builder** or **Editor**. Modify and refine your results using great Toad features like **Transformation & Cleanse**, **Pivot Grid** or **Dimensional View**. Output your results easily with a click to your local storage, TIC or present them as a PDF report or Excel or CSV spreadsheet.
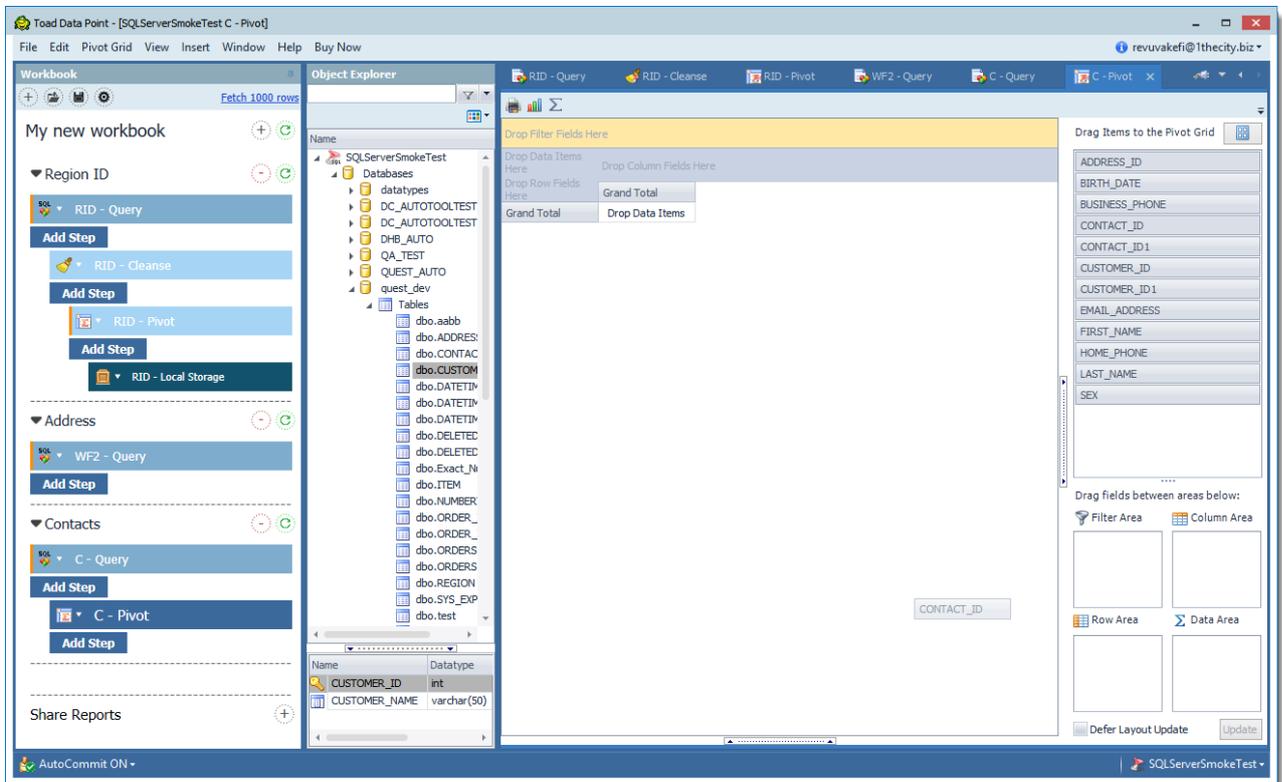
You can easily use your result sets from **Query Builder** again. When you drag-and-drop the Query item from your workflow you will be asked to save your result set. After the result set is saved, it can be dragged into another **Query Builder** to join the two result sets.

1. Start dragging the Query Builder item using your mouse from your workflow
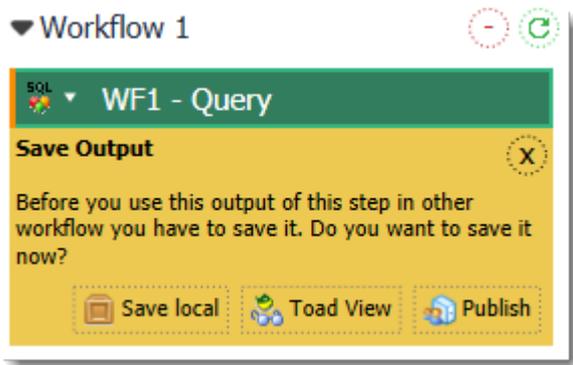
2. Select one of the following:
   - **Save local** - to save the result set into local storage
   - **Toad View** - to save the result set as a Toad view
   - **Publish** - to publish the result set to your TIC
3. After having saved the item, you can drag it into another **Query Builder** and reuse it

Share your Workbook reports with multiple recipients. Click **Create new email item** to add a new email item and then right-click to send email immediately, remove or edit the email item.
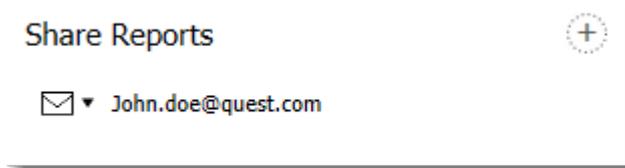
Toad Intelligence Central

Support for New Toad Intelligence Central 5.0 Features

This release of Toad Data Point includes support for the following new features in Toad Intelligence Central 5.0.

Folders in Intelligence Central

Beginning in Toad Intelligence Central 5.0, a new type of folder is available for storing objects: the *secured* folder. Secured folders have visibility (sharing), manage, and publish privileges assigned to them. Non-secured folders do not. An Intelligence Central server can have one or both types of folders.

- **Non-secured folders** are visible to all users.
- **Secured folders** are special folders in Intelligence Central and are visible only to users with which the folder has been shared. A secured folder can be managed by users with manage privileges to the folder.

Users with publishing privileges can publish to the folder.
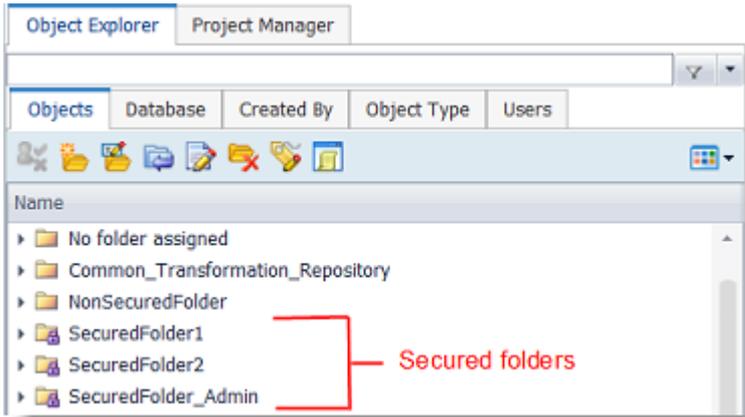
Secured Folders

Review the following important features of Secured Folders:

- When an object is published to a secured folder, the object automatically inherits the sharing (visibility) and manage privileges applied to the secured folder. The object's privileges are defined by the folder's privileges.

- Users with manage privileges to a secured folder can specify which users are allowed to publish to the folder.

- In non-secured folders, privileges are granted and managed for objects individually, as before.

- For an Intelligence Central server, an Administrator configures which user role/roles are allowed to create secured folders and which types of folders can be created.

- A secured folder is created at the time an object is published or at any time through the Object Explorer.
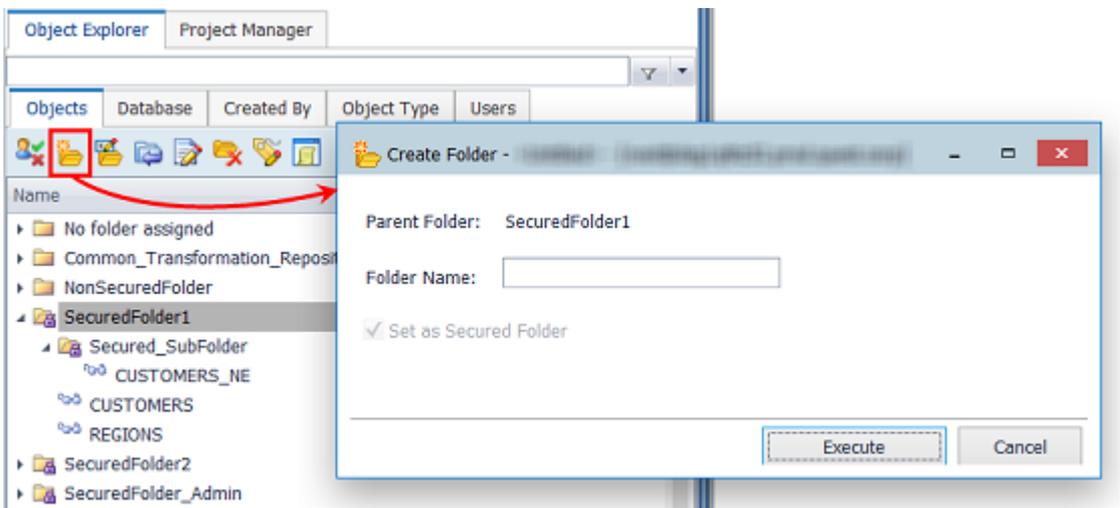
- A secured folder can be created at the root level or within another secured folder. A secured folder cannot be created within (or moved into) a non-secured folder.

- After a secured folder is created, users with manage privileges to the folder can modify its sharing and manage settings.
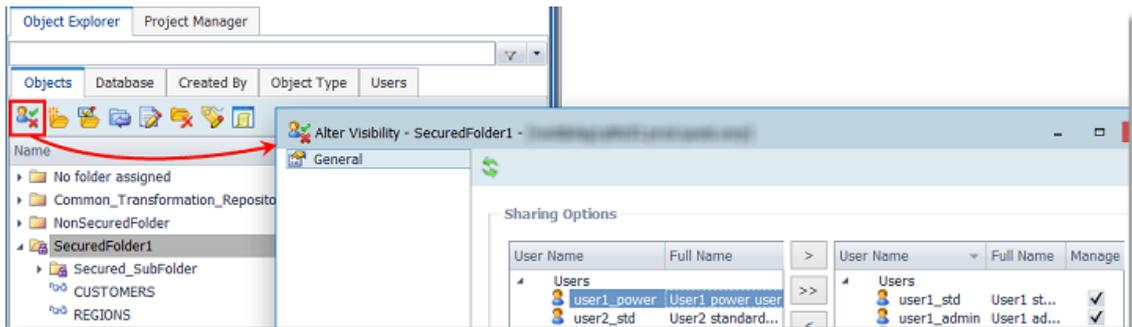
- Changes made to the sharing or manage settings of a secured folder are automatically applied to all objects and files in the folder.

Additional New Features

Icons Display Status for Snapshots and Scripts

You can now easily determine the status of published snapshots and Automation scripts based on the icon that is displayed in the Object Explorer.

The following new icons are used to indicate an object's current status.

- Snapshot pending refresh
- Snapshot currently refreshing
- Snapshot with error
- Automation script currently running
- Automation script that failed with error

PostgreSQL ODBC Connection Enhancements

This release includes a number of enhancements to the PostgreSQL ODBC connection, including additional functionality designed specifically for PostgreSQL users.

You can now create a PostgreSQL ODBC connection without defining a data source name (DSN).

To create a PostgreSQL connection, select **Connect | New Connection**. Select **PostgreSQL** from the list.

- To create a connection without using a data source, clear the **Use data source name** check box to display driver names. Select a driver and enter a server name, port number, and database.
- To create a connection using a data source, select **Use data source name** and then select one of your predefined data source names from the list. For convenience, only PostgreSQL data source names are displayed.

Materialized Views

- Materialized views are included as an object type in the Object Explorer for a PostgreSQL connection.
- Materialized views are supported in code completion in the SQL Editor and Query Builder for PostgreSQL connections.

Indexes

- Indexes are displayed as an object type in the Object Explorer for PostgreSQL connections.
- Enhancements to the Create Index dialog allow you to easily specify index properties.

Sequences

- Sequences are now displayed as an object type in the Object Explorer for a PostgreSQL connection.

Database Diagram and Database Explorer (Viewer)

For PostgreSQL connections, the following enhancements have been implemented:

- Existing relationships between tables are automatically displayed in the Database Diagram, Query Builder and Database Explorer | Relationships tab.
- Existing relationships to tables in other schemas can be displayed in the Database Diagram.
- For Tables, Indexes, Materialized Views, and Sequences, a **Properties** tab displays object information in

the Database Explorer (Viewer).

- For Tables, the following tabs are included in the Database Explorer (Viewer): **Unique Constraints**, **Check Constraints**, and **Relationships** .

  In addition, the **Index** tab provides concise, organized information about a table's indexes.

PostgreSQL DateTime Formats

- Toad now provides several pre-defined DateTime custom formats for PostgreSQL ODBC connections. To view these formats, go to **Tools | Options | Environment | Grid** and select the **Custom** tab in the Data Type Formatting section. Do not change the format name.

Additional Enhancements

- **Row count.** For PostgreSQL connections, in the Object Explorer you can display the estimated number of rows for tables. To display the row count, click the **Options** icon in the Object Explorer toolbar and select **Extra Columns | Number of rows**.
- **Truncate table.** The Truncate Table operation is now available for PostgreSQL connections in the Object Explorer (**Operations | Truncate Table**) and the Import Wizard.
- **Alter table.** The Alter Table operation is now available for PostgreSQL connections in the Object Explorer (**Operations | Alter Table**).
- The PostgreSQL *Serial* data type columns are identified as such in Toad where applicable.

Important: To use a PostgreSQL ODBC connection in Toad, the connecting user must have the SELECT privilege in the pg_catalog schema.

Connections

Microsoft SQL Azure. The following enhancements were added for SQL Azure connections.

- **Object Explorer**—For SQL Azure connections, the table description can be displayed in the Object Explorer. Right-click a table and select **Options | Extra Columns | MS Description**.
- **Database Explorer (Viewer)**—For SQL Azure connections, there is an Extended Properties tab in the Database Explorer. In addition, column descriptions are displayed in the Columns tab.

Microsoft Azure SQL Data Warehouse. You can now connect and build queries with Azure SQL Data Warehouse. You can use either the SQL Azure or the SQL Server connection type. An Azure SQL Data Warehouse connection is supported in the Object Explorer, Query builder, and in execution. Advanced features are not supported.

SAP HANA. In addition to the Professional Edition of Toad Data Point, the Base Edition now also provides the ability to create a connection to SAP HANA.

SharePoint Online. Toad Data Point now allows you to create a connection to SharePoint Online. To create the connection, use the SharePoint Create New Connection dialog to enter connection information and then select the **SharePoint Online** option.

Toad Data Point - Base and Professional Editions

The Base and the Professional editions of Toad Data Point contain the following new features and enhancements.

Query Development

Easily Specify the Number of Rows to Fetch

You can now specify the number of rows to initially retrieve when executing a query in the SQL Editor or the Query Builder. The query retrieves the specified number of records and then pauses (Oracle) or stops (other platforms). When you scroll through the Results grid, additional records are retrieved on demand (Oracle) or through re-execution (other platforms).

- In the Editor or Query Builder toolbar, click **Fetch *n* rows** and specify a value.
- You can also set a default value for this option in **Tools | Options | Database | General**. The default value is overridden by the value specified in the Editor or Query Builder window.

Data Management

Data Profiling

You can now specify default values for some options used in the Data Profiling tool. The default values are used in new Data Profiling sessions. You can override the default values at the session level.

- To specify default values, select **Tools | Options | Environment | Profiling** and then specify options to use in new Data Profiling sessions.

Automation

New Run Mode Variable

A new variable has been added to Automation: the Run mode variable. This string variable is created by the script and can be found in the script Settings. The value assigned to this variable is either *Test* or *Production*, depending on the environment selected in the script Settings at the time the script is executed.

FTP Activity

You can now instruct the FTP activity to retry the FTP connection if it fails. Specify the number of retries and a wait time.

Copy File Activity

You can now instruct the Copy File activity to retry the copy action if an error or timeout occurs. Specify the number of retries and a wait time.

Run Program Activity

You can now use the **Root path** variable (ROOT_PATH) in the **Program** and **Run directory** fields in the Run Program activity. You can specify a value for the **Root path** variable in the script Settings.

See Resolved Issues for more enhancements and resolved issues in this release of Toad Data Point.

Idea Pond

Got a great idea for a new Toad Data Point feature or enhancement? Share it with the Development Team and the Community by posting it on Idea Pond.

Visit Toad Data Point - Idea Pond where you can submit your ideas. You can also read and vote on the enhancement ideas submitted by other Toad users.

Learn More

Remember, you can find blogs, videos, and forums at the Toad Data Point Community.

- Toad Data Point Videos - Learn about new features from product video demos.
- Toad Data Point Forum - Find answers to your questions in the forums.
- Toad Data Point Blog - Learn tips and tricks from blog posts.
- Toad Data Point - Idea Pond - Submit your idea to the Development Team.

System Requirements

Client Requirements

Before installing Toad, ensure that your client system meets the following minimum hardware and software requirements:

Requirement	Details
Platform	2 GHz processor (recommended minimum)
Memory	8 GB of RAM minimum, 16 GB recommended Additional RAM Requirements: Using Local Storage, Cross-Connection Query, Business Intelligence connections, or NoSQL connections can require an additional 500 MB of RAM. These features start processes (mysqld.exe, hubproxy.exe) which persist for the Toad session. **Note:** The memory required may vary based on the following: - Applications that are running on your system when using Toad - Size and complexity of the database - Amount of database activity - Number of concurrent users accessing the database

Requirement	Details
Hard Disk Space	800 MB to install Toad 450 MB to run Toad Additional Recommendations: For retrieving large queries, allow 10 GB free disk space (or more, depending on the size of the data being retrieved). After retrieving 2500 rows, Toad saves data in a TMP (.tmp) file in the user's Temp directory. These TMP files are deleted when Toad closes.
Operating System	Windows Server® 2008 R2 SP2 Windows Server® 2012 Windows Server® 2012 R2 Windows Server® 2016 Windows Server® 2019 Windows® 7 SP1 (32-bit or 64-bit) Windows® 8.1 (32-bit or 64-bit) Windows® 10, version 1809
.NET Framework	Microsoft® .NET Framework 4.7.1 **Teradata® .NET Data Provider** You must install the Teradata .NET Data Provider (13.10 or later) to use a Teradata native connection in Toad. **Note:** To use a Teradata connection in a cross-connection query, you must also install a Teradata (13.10 or later) ODBC driver.

Additional Software	**Visual C++ Redistributable for Visual Studio 2015.** This software is required. It is included in installation using the .exe installer. If using the .msi installer, ensure that this software is installed prior to installation. See Visual C++ Redistributable for VS 2015.
	
	For 64-bit Toad Data Point, both 32-bit and 64-bit Visual C++ packages are required.
	
	Prerequisites for the 2015 Redistributable—If you encounter a "Microsoft Visual C++ 2015 Redistributable is not installed correctly" error during Toad installation, do the following:
	
	1. Uninstall the Microsoft Visual C++ 2015 Redistributable using the Control Panel.
	
	2. Install the missing prerequisite software. See Universal C Runtime Update Prerequisites or use one of the following links:
	
	    • For Windows 7 or Windows Server 2008 R2, install Service Pack 1: https://support.microsoft.com/en-us/kb/976932.
	
	    • For Windows RT 8.1, Windows 8.1, or Windows Server 2012 R2, install the April 2014 update: https://support.microsoft.com/en-us/kb/2919355.
	
	    • For Windows Server 2008, install Service Pack 2: https://support.microsoft.com/en-us/kb/948465.
	
	3. Run the *ToadInstaller.exe* again.

Database Client	**DB2® Client**
	
	Toad no longer installs a DB2 Client along with the Toad application. When connecting to a DB2 database, ensure that you have a DB2 Client or IBM Data Server Driver installed. Toad supports DB2 Client versions 9.7.6 through 11.1.
	
	Oracle® Client
	
	Toad can connect to Oracle using Direct Connect (no Oracle Client required) or using an Oracle Client or Oracle Instant Client. However, if you want to use LDAP, you must install an Oracle Client. Toad supports 9i or later Oracle Clients and Oracle Instant Clients.
	
	Notes:
	
	    • You cannot use Oracle Direct Connection in a cross-connection query.
	
	    • To use an Oracle connection in a cross-connection query, you must install an Oracle

Requirement	Details
	Client (full install) or you must install the Oracle Instant Client plus the Oracle ODBC driver.
Additional Requirements	**Web Browser** Microsoft® Internet Explorer® 11 or later **Screen** Toad supports screen resolutions up to 3200 x 1800 and display DPI settings up to 150%

Server Requirements

Before installing Toad, ensure that your server meets the following minimum hardware and software requirements:

Requirement	Details
Native Database Server	Toad supports the following databases: Oracle 10g R2, 11g, 11g R2, 12c, 12c R2, 18c Toad has been tested on Oracle Exadata 2.0 running Oracle database 11g R2. SQL Server 2012 and SQL Server 2012 Express SQL Server 2014 Enterprise and SQL Server 2014 Express SQL Server 2016 SQL Server 2017 **Notes:** - SQL Server Compact Edition is not supported. - Storage Management is not available on SQL Server Express. IBM DB2 for LUW 9.5, 9.7, 10.1, 10.5, 10.5.0.5, 11.1 IBM DB2 for z/OS 10, 11, 12 **Note:** Toad may support IBM DB2 Express and SWE in addition to listed above servers but note that no testing was performed on it. **Note:** Windows 8, 10 and Windows Server 2012 require the following Fix Pack in order to ensure registration of DLLs in Global Assembly Cache: IBM DB2 LUW 10.5 Fix Pack 4 IBM DB2 LUW 10.1 Fix Pack 4 IBM DB2 LUW 9.7 Fix Pack 10 MySQL 4.1, 5.0, 5.1, 5.5, 5.6, 5.7 MariaDB 5.5.5, 10.2.8, 10.3.2 (using MySQL provider) SAP ASE 15.5, 15.7, 16 SP03 SAP IQ 15, 16 SAP SQL Anywhere 10, 11, 12, 16 SAP HANA SPS 08, SPS 09, SPS 10, SPS 11, SPS 12, SAP HANA 2.0, SAP HANA 2.0 SPS 02 Teradata 12.0, 13.0, 13.10, 14, 15, 16 Access® 2007, 2010, 2013, 2016 **Note:** To use Access 2016 64-bit to connect to an Access database in Toad, the Microsoft Access Database Engine is required and might not be included in the Access installation. The engine must match the architecture (bitness) of Toad. Excel® 2003, 2007, 2010, 2013, 2016 **Note:** To use Excel 2016 64-bit to connect to an Excel or .csv file in Toad, the Microsoft Access Database Engine is required and might not be included in the Excel

Requirement	Details
	installation. The engine must match the architecture (bitness) of Toad.
ODBC Database Server	Toad Data Point allows you to create a connection to a database that supports an ODBC 3.0 or later driver. ODBC connectivity provides basic querying capability, but may not be as full-featured as a native connection in Toad. Toad has been tested on the following databases, using an ODBC connection: • DB2 for i5/OS V5R4 and IBM i 6.1, 7.3 • EDB Postgres Advanced Server 10 • Greenplum® Database • Informix Dynamic 10.00, 11.0 (limited testing) • Ingres Community Edition 2006 R2 on Windows 32-bit (limited testing) • Netezza Data Warehouse Appliance 4.6.6, 6.0, 7.0, 7.2.1 • PostgreSQL® 9.5, 9.6.3, 10 • Vertica 4.1, 5.0, 5.1 (with 4.0, 4.1 ODBC driver), 6.0 (with 6.0 ODBC driver), 6.1, 7.0, 8.1, 9.0 **Note:** For a list of databases that are not supported, see Known Issues in the Release Notes.
Cloud Database Service	Oracle databases running on Amazon EC2 SQL Azure and Azure SQL Data Warehouse **Note:** To be able to utilize a majority of Toad functionality, please grant VIEW DEFINITION on the SQL Azure databases you want to work with. SQL Server databases running on Amazon EC2 Toad can manage Amazon RDS and any other cloud or service offering compatible with MySQL.
Business Intelligence Connections	Toad has been tested with, and supports, the following Business Intelligence platforms: SAP Business Objects XI 3.1, 4.1 Oracle Business Intelligence Enterprise Edition 12.2 Salesforce.com® Microsoft SQL Server Analysis Services 2016 Google Analytics™ OData version 4 SharePoint® Server 2013
NoSQL Connections	Toad has been tested with, and supports, the following NoSQL platforms: Azure Table Services Apache Cassandra™ 3.11.0 Amazon DynamoDB Apache HBASE™ 1.2.6 Apache Hive™ 2.1.0 Cloudera Impala 2.2.0, 2.2.1, 2.9.0. Toad Data Point has been certified by Cloudera. MongoDB™ 3.4.6, 3.4.9, 4.0
Toad Intelligence Central	This release of Toad Data Point has been tested with Toad Intelligence Central 4.3 and 5.0. **Note:** Some publishing features in this release of Toad might not be supported in earlier versions of Intelligence Central. For more information about compatibility between Intelligence Central versions and Toad Data Point 5.0 features, see the New Features section of the Toad Data Point Release Notes.
VM and Cloud	In general, the databases and data sources listed in this table are also supported when

Requirement	Details
Platform Environments	installed on a virtual machine (VM) or cloud platform. See the database or data source documentation for more specific information.
Additional Testing	**Data Set Size**
	The following Toad Data Point functionality has been tested with data sets of up to 5 million rows: SQL Editor, Data Compare, Import Wizard, Export Wizard, Publishing Data to Intelligence Central.
	For the following Toad Data Point modules, working with very large data sets can impact performance. For best results in these areas, work with data sets of less than 1 million rows: Dimensional Viewer, Pivot Grid, manually sorting a result grid, performing more than one Data Compare at a time (such as running multiple Data Compare Automation scripts simultaneously).
	Notes:
	• Performance can vary based on available disk space and memory, CPU speed, and the bitness of Toad, as well as the type and number of columns.
	• It is recommended to use Toad Data Point 64-bit when working with large data sets.
	• Import and export functionality was tested with .csv files.
	• Performance testing was conducted using Toad Data Point 64-bit.

Virtualization Support

Requirement	Details
Application Virtualization	When deploying Toad in a virtualization environment, for best results ensure the system accurately reflects the applicable client hardware and software requirements listed in this document.
	Toad has been developed using Microsoft guidelines (see Remote Desktop Services programming guidelines) and can be deployed and operated in virtualization environments such as Citrix XenApp, Microsoft App-V, and VirtualBox.
	See "Install Toad on Citrix Systems" (page 1) for more information.
Server Virtualization	Toad has been tested with the following:
	• Oracle VM 3.1 running on Red Hat Enterprise Linux 64-bit with Oracle 11gR2
	• Oracle VM 2.2 running on Windows 2008 32-bit with Oracle 11gR2

User Requirements

User Requirements to Install Toad

Only Windows Administrators and Power Users can install Toad.

Note: The following exceptions exist for Power Users:

- (DB2 only) A Power User can install Toad as long as this user belongs to the DB2ADMNS or DBUSERS group.

If an Administrator installs Toad, the Administrator can share the Toad shortcut icon on the desktop and menu items with any user—a Power User, Restricted User—on the computer.

If a Power User installs Toad, a Restricted User cannot do the following:

- Associate file extensions.

- View the Toad shortcut icon on the desktop or the Toad menu options in the Windows Start menu. As a workaround, Restricted Users can create a shortcut to Toad from the install directory and place the shortcut on their desktop.

User Requirements and Restrictions for Running Toad

The following describes the requirements and restrictions for users who launch and run Toad:

- (DB2 only) A Windows Power User or Restricted User must belong to the DB2ADMNS or DB2USERS group. To add the user to one of these groups, select **Start | Control Panel | Administrative Tools | Computer Management | System Tools | Local Users and Groups | Groups | DB2ADMNS or DB2USERS**.

- (DB2 only) A Windows Power User or Restricted User does not have the authority to add or remove DB2 catalog entries using the Toad Client Configuration wizard. However, these users can use the Import Profile function in the Toad Client Configuration wizard to import catalog entries to Toad.

- (DB2 only) To take full advantage of Toad for DB2 LUW functionality, the user ID specified in the Toad connection profile for each DB2 for LUW database connection requires the authorizations listed in the following document:

  ToadDB2LUWAuthorizations.xls

- (DB2 only) As a minimum requirement to manage a DB2 for z/OS subsystem in Toad, the user ID defined in the Toad connection profile for the subsystem must either have SYSADM privileges or SELECT privileges on the DB2 catalog tables. For a complete list of authorizations (and corresponding GRANT statements) a user requires to take full advantage of Toad for DB2 z/OS functionality, refer to the following document:

  ToadDB2zOSAuthorizations.doc

- To create or modify the QuestSoftware.ToadSecurity table to enable Toad Security, the user who maintains this table must have privileges to create, insert, update, and delete it. All other users need only the ability to read the QuestSoftware.ToadSecurity table to use Toad Security features.

Resolved Issues and Enhancements

The following is a list of issues addressed and enhancements implemented in this release of Toad Data Point:

Resolved Issues in 5.0.7

Feature	Resolved Issue / Enhancement	Defect ID
BI Connectors	Sales Force now draws table relationships that are defined in the database.	QAT-12312
General	Support bundle now generates correctly.	QAT-14988
Script Generation	Generating INSERT statements now works instantly even for tables with large numbers of rows.	TSS-1663/4512804
Pivot Grid	Pivot Grid column subtotals can now be formatted.	QAT-14608
	Default subtotal summary type was changed to SUM for string values in Pivot Grid.	QAT-14837
	There is an new option to show aggregate total values for row categories that only have one value. The default is to not display totals when there is only one value.	QAT-14998
	It is now possible to display subtotals for single values. Click Set pivot grid properties on Pivot Grid toolbar to enable.	QAT-14998
Query Builder	Visualizing a customer Query in the Query builder corrupted the SQL. This has been fixed for the SQL statement provided for in the support case.	QAT-14816
	Visualizing a SQL provided by user was being corrupted and is now fixed.	QAT-14427

Resolved Issues in 5.0.6

Feature	Resolved Issue / Enhancement	Defect ID
Automation	An issue when Excel spreadsheet exported during Automation was not displayed is now fixed.	QAT-14819/4498499
BI Connectors	Sales Force now draws table relationships that are defined in the database.	QAT-12312/4191253
BI Connectors	MongoDB - An issue when relationship lines were not shown automatically has been fixed.	QAT-14215
Connection Manager	Cross-Connection queries on SAP ASE now work correctly with encryption. EncryptPassword=1 has been added to connection strings.	QAT-14575
Installation	Users should be able to deploy license keys during installation. This was broken in Toad Data Point 5.0 and is now fixed.	QAT-14834/ 4510329, 4516827, 4516600
Pivot Grid	A scroll bar has been added to the row area in Pivot Grid.	QAT-14705
Query Builder	Vertical scroll bar is now displayed in Cross-Connection Query Mode of Query Builder.	QAT-14749
Query Builder	A Group By button for aggregated functions has been added to Query Builder.	QAT-14609
Workflow	Sometimes a workbook would not close and the user would see red X's. Usually this was seen with use of the SQL Editor. This has now been resolved.	QAT-14833/4507486
Workflow	When opening a Toad Workbook with pivot grids that had a lot of distinct rows (500k+) the UI would lock up. This has been fixed.	QAT-14844
Workflow	SQL used in workbooks that contained 50+ columns would prevent workbooks from opening. This is fixed and tested using 150 columns.	QAT-14813

Resolved Issues in 5.0.5

Feature	Resolved Issue / Enhancement	Defect ID
Connection Manager	Displaying of database objects on SAP ASE 16 SP03 now works correctly.	QAT-13928
Data Cleansing	In Transformation and Cleanse some rules use distinct values such as Find and Replace. The initial list of distinct values would display but upon subsequent occurrences of adding this rule the distinct list would be removed. This has been fixed.	QAT-14728
General	Oracle Business Intelligence 12.2.1.4.0 is now supported.	TIC-11520
Local Storage	Performance when using local storage table	TIC-11403

Feature	Resolved Issue / Enhancement	Defect ID
	with (100K rows) in joins has been improved.	
TIC	Query Builder 2nd nested Subquery now shows correctly in Diagram Model.	TIC-11405
	Toad now works correctly with Hive object names that contain double underscore ('__').	QAT-14704
Workflow	Users can now open Toad Data Point Professional and Toad Data Point Workbook at the same time. Running this side by side is allowed and functional.	QAT-14710
	You now can close and open Workbook windows during its loading. The background processes window is now left open during all of the loading and you can close it when you want to.	QAT-14754
	Performance when using data of 2M rows in Transformation and Cleance has been optimized.	QAT-14481

Resolved Issues in 5.0.4

Feature	Resolved Issue / Enhancement	Defect ID
Connection Manager	If there are Oracle client registry settings from uninstalled versions or paths that do not contain the OCI.dll, we will now continue and validate the rest of the homes in the registry.	QAT-14672
SQL Editor	Users can now select the directory to serialize large results sets. The option is located under Database | Script results	QAT-14377
Workflow	File | Close now closes workbook and all associated files	QAT-14602
	When loading workbooks or refreshing child steps with result sets, the icon has been changed from red execute to wait icon. The communicates that the child step is not re-executing the SQL but simply refreshing the data.	QAT-14601
	Loading a workbook will show the background processes and messages on what is occurring. When done the background processes will be closed. The background processes window and be opened at any time from the View menu or double click on running process bar.	QAT-14599
	When there are many columns to a result set the grid auto-sizes the column width to the data for easier reading.	QAT-14596
	Workbook was optimized so users can add new workflows during loading. The file size of workbooks has been reduced and the load time greatly optimized.	QAT-14203

Feature	Resolved Issue / Enhancement	Defect ID
	Saving workbooks now shows progress in the back ground progress window. This communicates when it is done.	QAT-14195
Pivot Grid	A pivot summary is saved to workbooks. When loading a workbook with a pivot the user can see his last pivoted results while the pivot is loading any saved data.	QAT-14468

Resolved Issues in 5.0.3

Feature	Resolved Issue / Enhancement	Defect ID
Automation	Fixed an Object reference error when using two Excel connections with Loop Connection activity in automation	QAT-13670
Automation	Usage connection from parent activity has been reworked. A new option From parent has been added which indicates whether the currently used connection should recursively search for parents	QAT-13279
Data Compare & Sync	'Conversion Overflows' error when doing a data compare on a Microsoft Dynamics table has been fixed	TSS-1628
General	Views can now be displayed when connected to Hive using Native connector	QAT-14069
Object Editor (DOE)	Toad added support for the BOOLEAN column datatype which was introduced in DB2 LUW 11.1.3	TDB-3889
Workbook	An issue when a user could not open Workbook has been fixed	QAT-14239
Workbook	A new option in Tools	Options	Toad Workbook to control prompting behavior of Toad Data Point when embedding data with Workbook file has been added. If the number of rows exceed the threshold set, data will not be saved with a workbook or you will be promted. Saving more than 50,000 rows might have negative effect on performance.	QAT-14470

Resolved Issues in 5.0.2

Feature	Resolved Issue / Enhancement	Defect ID
Automation	In an Automation script, if a Data Compare activity included a detail report in an email that used a suffix, the report would not be attached and throw an error. This has been resolved	TSS-1633
Automation	Error when .xlsm file could not be exported using Automation script has been fixed	QAT-14201
Connection Manager	SQL Server Connection error now displayed to the user is now formatted correctly	TSS-1491

Object Editor (DOE)	An issue in Create like connection feature has been fixed	QAT-12420
Pivot Grid	Pivot Grid now allows you to use Aggregated data values in a calculated field	QAT-14074
Publishing Wizard	Publishing and running automation scripts using Impala connections now works correctly	QAT-14224
Publishing Wizard	An error when a calculated column would be mapped as BIGINT when publishing to TIC has been fixed	QAT-14060
SQL Editor	New option in Tools	Options	Editor	Tools	Auto highlight selected word enables auto highlighting of selected words	TSS-1606

Resolved Issues in 5.0.1

Feature	Resolved Issue / Enhancement	Defect ID
Connection Manager	Import Connections now supports import/browse connections from SSMS 18.0	TSS-1607
Connection Manager	Contained user could not connect and display objects to SQL Azure database. This has been fixed	TSS-1483
Data Compare & Sync	Error when data cannot be filtered has been fixed	QAT-14057
Installation	Command line argument has been added to install 32 or 64 bit silently from Toad Data Point multi-bit exe installer	QAT-12486
Pivot Grid	Pivot Grid now supports Top N rows so one can sort and filter for top N values of pivoted data	QAT-12434
Publishing	Performance is now improved when retrieving values that are stored in blobs on Toad Intelligence Central	QAT-14062
Query Builder	When reverse engineering in the Query Builder on an Oracle connection using non-ANSI joins, columns would be duplicated and group bys lost. These are now fixed	QAT-14075
Query Builder	The Query Builder now supports INT 8 when connected to RedShift	QAT-14071
Query Builder	Corrected issue in Query Builder to reverse engineer SQL that contained a UNION and where condition	QAT-13812
Query Builder	Prior to executing mixed case aliases, the Query Builder would change to upper case causing the execution to fail	QAT-13581
SQL Editor	Executing of functions from Object Explorer for MySQL and subsequent executions with different parameters is now fixed	QAT-14135
SQL Editor	Corrected issue where function/procedure could not be executed that had a long	QAT-13795

parameter name when using SAP ASE
connections

Resolved Issues in 5.0

Feature	Platform	Resolved Issue / Enhancement	Defect ID
Automation	N/A	Dimensional Viewer Activity: The hint "Unsupported output format. Only XLS and XLSX formats are supported when exporting multiple tables" no longer displays when exporting multiple views to Local Storage or Intelligence Central.	QAT-11822
Automation	N/A	Dimensional Viewer Activity: Corrected an issue that caused an error when attempting to run a script that exports multiple views to Intelligence Central and in which the Dimensional View query contains a bind variable.	QAT-11834
Automation	N/A	Increased security in Automation scripts.	QAT-11865
Automation	N/A	The error stack is now included in the log when the logging level is set to Verbose for an Automation script.	QAT-11884
Automation	N/A	Clean Data activity: In a new activity, the Export File field is now clear, which allows you to select the Export to Local Storage and Export to Intelligence Central options.	QAT-12090
Automation	N/A	Toad Pivot Grid activity: Corrected an issue that caused the following error when attempting to export pivot grid data to Intelligence Central when the query includes a variable: "Unable to export to Intelligence Central. Script contains undefined parameters."	QAT-12078
Automation	N/A	Run Program activity: You can now use the built-in variable "ROOT_PATH" in the Program and Run Directory fields in the Run Program activity.	QAT-12442
Automation	N/A	Corrected an issue that caused an error when attempting to evaluate the "_ACTIVITY_ RESULT" variable value in an IF statement. In this case, the variable value contained the error message and this included the back slash character (\). This issue is related to QAT-12485.	QAT-10207
Automation	N/A	Corrected an issue that caused an error when attempting to evaluate an expression in a variable and the expression contained the back slash (\) character (such as in a file path). This issue was encountered when attempting to compare the ROOT_PATH variable in an IF statement.	QAT-12485, QAT-12493
Automation	N/A	FTP activity. Enhancement: You can now instruct the FTP activity to retry the FTP	QAT-10497

Feature	Platform	Resolved Issue / Enhancement	Defect ID
		connection if it fails. Specify the number of retries and a wait time.	
Automation	N/A	An Automation script now includes a new built-in variable: RUN_MODE. This variable contains a value based on which environment is selected in script Settings: Test or Production.	QAT-7299
Automation	N/A	Corrected an issue which displayed a validation error in the Import Wizard activity when an Import template containing a cross-connection query was used, even though the script executed successfully.	QAT-10622
Automation	N/A	Set Variable activity: Corrected an issue which caused an error when a DateTime variable was being referenced as an argument in the Concat() function.	QAT-12550, QAT-12591
Automation	Excel	Corrected an issue in which the Excel connection failed to close after successful completion of a manually-executed script. The script executed a cross-connection query which included the Excel connection.	QAT-11935
Automation	N/A	Execute Script activity: Corrected an issue in which clicking within the editor field and then selecting the Database field caused Toad to remove the query when the linked SQL file is a Query Builder file (.tsm).	QAT-9297
Automation	N/A	Copy File activity. Enhancement: You can now instruct the Copy File activity to retry the copy action if it fails. Specify the number of retries and a wait time.	QAT-12672
Automation	N/A	Corrected an issue in which the cursor repeatedly moved to the beginning of the user's text entry while entering text in the Description field of an Automation activity.	QAT-12999
Automation	N/A	Corrected an issue that caused an error when attempting to send an email to a recipient in which the email address included an apostrophe (').	QAT-2491
Automation	N/A	Data Compare activity: You now have the option to generate a report that includes either all rows or different rows only.	QAT-13016
Automation / General	N/A	Corrected an issue that prevented successful execution of SQL containing a WITH clause. This issue was encountered when attempting to publish using the Execute Script activity in Automation.	QAT-12438
Connections	Oracle Cross-Connection	Corrected an issue that resulted in an ORA-01017 error when attempting to execute a cross-connection query after changing the password for the proxy user account used in	QAT-11926

Feature	Platform	Resolved Issue / Enhancement	Defect ID
		the Oracle connection.	
Connections	SAP HANA	The Base Edition of Toad Data Point now provides the ability to create a connection to SAP HANA.	QAT-11920
Connections	Toad Intelligence Central	Corrected an issue that intermittently caused an error when attempting to create an Intelligence Central connection. This issue was encountered randomly during Automation script execution.	QAT-11878
Connections	HIVE	When the user attempts to access a recently-created or recently-deleted table prior to manually refreshing the metadata (F5), Toad now displays a more-helpful error message. Previously, the user might encounter a "Value cannot be null" error message.	QAT-12031
Connections	Salesforce	Corrected an issue in which existing relationships between Salesforce tables (objects) were not displayed in the Query Builder Diagram pane.	QAT-12312
Connections	ODBC	Corrected an issue that prevented "Data source names" with very long DSN or host names from displaying in the "Data source name" drop-down list in the New Connection dialog for ODBC type connections.	QAT-12439
Connections	MySQL	Corrected an issue that prevented a successful connection when using the SSL connection type in the Connection Properties dialog and the Native MySQL provider. In this case, the instance was on a Google Cloud platform.	QAT-12631
Connections	MongoDB	Corrected an issue that caused the following error when attempting to connect: "The service is currently not responding. Please check your credentials and connectivity."	QAT-12730
Connections	SharePoint Online	Enhancement: Toad Data Point now allows you to create a connection to SharePoint Online. Use the SharePoint Create New Connection dialog and select the "SharePoint Online" option.	QAT-11977
Connections	SQL Azure	OS authentication is now supported for SQL Azure.	QAT-10092
Connections	Azure SQL Data Warehouse	You can now connect and build queries with Azure SQL Data Warehouse. You can use either the SQL Azure or the SQL Server connection type. An Azure SQL Data Warehouse connection is supported in the Object Explorer, Query builder, and in execution. Advanced features are not supported.	QAT-12804, QAT-13048
Connections	PostgreSQL	Added a warning message to inform users	QAT-9855

Feature	Platform	Resolved Issue / Enhancement	Defect ID
	ODBC	that do not have privileges to pg_catalog that it is required for a PostgreSQL connection.	
Connections	PostgreSQL ODBC	Column comments are now supported in a PostgresSQL connection.	QAT-13009
Connections	MongoDB	Corrected an issue that caused an error when attempting to connect to a database that contained no tables or only system tables.	QAT-12730
Connections	SQL Azure	Corrected an issue that prevented successful connection using "contained users."	QAT-11916
Cross-Connection Query	N/A	Corrected an issue that caused a "Cross Query Database SQL syntax error" when the Select list contains multiple columns with the same name.	TIC-8359
Cross-Connection Query	Excel	Cross-Connection queries using an excel workbook located on mapped drive no longer produce errors. The mapped drive in the Excel connection is now resolved to full network path.	QAT-12774
Cross-Connection Query	N/A	After changing the database user password, a cross-connection query uses the new password, as expected.	QAT-13094
Cross-Connection Query	N/A	You can now reopen a report previously created through Tools	Reports	Data Reports that includes a cross-connection query.	QAT-12395
Data Compare	Firebird ODBC	Corrected an issue that caused an error when attempting to compare two Firebird databases.	QAT-11631
Data Compare	N/A	Corrected an issue that caused an "ORA-01756: quoted string not properly terminated" error when running the synchronization script for CLOB data.	QAT-13164
Data Grid	Teradata	Corrected an issue that caused an error when attempting to edit data in the data grid for a Teradata connection.	QAT-11211
Data Grid	PostgreSQL ODBC	Toad provides several pre-defined datetime custom formats to be used with the new enhanced PostgreSQL ODBC connection. To view these formats, go to Tools	Options	Environment	Grid and select the Custom tab for Data Type Formatting.	QAT-10874
Data Profiling	N/A	You can now specify default values for the profiling options used in the Data Profiling tool. Go to Tools	Options	Environment	Profiling to set default values. The default values are applied when you open a new Data Profiling window.	QAT-10759
Database Explorer	SQL Azure	Enhancement: For SQL Azure connections,	QAT-10287, TSS-1418

Feature	Platform	Resolved Issue / Enhancement	Defect ID
		there is an Extended Properties tab in the Database Explorer (Viewer). In addition, column descriptions are displayed in the Columns tab.	
Database Explorer	PostgreSQL ODBC	Corrected an issue that resulted in incorrect values when updating data through the Data tab of the Database Explorer. Use the new enhanced PostgreSQL ODBC connection by selecting PostgreSQL in the Create New Connection dialog.	QAT-11687
Explain Plan	SAP ASE	Corrected an issue that prevented display of the Data Table format of the Explain Plan (View Plan | As Data Table).	QAT-11379
Export Wizard	N/A	Corrected an issue that prevented Excel Slicers from functioning correctly in the Excel export file. This issue was encountered when exporting using the Select to File activity in an Automation script.	QAT-9329
Export Wizard	N/A	Export Wizard and Export Wizard activity: Corrected an issue in which an edited Export template file failed to save changes after selecting a different linked Query file. In this case, the file contents were identical and the issue was discovered in the Export Wizard Automation activity.	QAT-10948
Export Wizard	N/A	Corrected an issue that caused an error when attempting to export to Named Ranges in Excel.	QAT-9844
Import Wizard	Teradata	Corrected an issue that caused an error when attempting to import a file with a large number of columns to a Teradata table.	QAT-2436
Import Wizard	SQL Server	When importing data from Excel to SQL Server, cells containing "#NA" are imported as NULL, as expected.	QAT-12488
Import/Export	N/A	When using the Import/Export dialog to import from an Excel file that is currently open, Toad displays an informative error message and then opens the Import Wizard to the Import Source page instead of the SharePoint List page, as expected.	QAT-11823
Installation	SQL Server	You can now execute a DECLARE statement when Toad Data Point is installed in Read-Only mode.	QAT-12625
Job Manager	N/A	Windows 10: Corrected an issue that caused an error after opening the Job Manager when Toad is installed in Windows 10.	QAT-12593
Object Explorer	Cross-Connection	Corrected the source of an intermittent error found upon closing Toad after executing a cross-connection query.	QAT-11939

Feature	Platform	Resolved Issue / Enhancement	Defect ID
Object Explorer	SQL Azure	Enhancement: For SQL Azure connections, the table description can be displayed in the Object Explorer.	QAT-10287, TSS-1418
Object Explorer	SQL Server	Corrected an issue that caused slow performance when switching between object tabs (e.g., Tables and Views) in the Object Explorer.	QAT-12327
Object Explorer	SQL Server	Corrected an issue that caused an error when attempting to create a stored procedure by selecting a stored procedure in the Programmability tab and then clicking the "Create a stored procedure" button or using the right-click menu.	QAT-12113
Options	N/A	Selecting "Open Document" in Desktop Configuration Settings in Options | Environment | Desktop now works as expected.	QAT-12878
Pivot Grid	N/A	Corrected an issue which caused in the following error when attempting to modify the Prefilter: "An error occurred in the Prefilter criteria." This issue also prevented an accurate list of available columns displayed in the Prefilter.	QAT-11758
Pivot Grid	N/A	Corrected an issue that added a few extraneous rows to the exported grid when exporting to an Excel Pivot Table.	QAT-11923
Pivot Grid	N/A	For aggregate values, enhanced legibility by reducing the number of decimal places in the default number format.	QAT-11924
Pivot Grid	N/A	Corrected an issue that caused an error when selecting Value Field Settings from the right-click menu from a blank cell in the pivot grid.	QAT-11925
Pivot Grid	N/A	Corrected an issue in which data values were prefixed with the "$" character after exporting to HTML, CSV, or PDF.	QAT-12141
Pivot Grid	N/A	Enhancement: You now have the ability to find the "Top N" items in a field based on values in an aggregated column in the Pivot Grid. After sorting values in a column, right-click the field you want to filter and select **Top N**. Enter a value for N.	QAT-12434
Project Manager	N/A	Enhancement: You can now specify a location to store the Project Manager file in Tools | Options | Environment | Network Share.	QAT-12503
Query Builder	N/A	Corrected an issue encountered when removing joins in the Query Builder Diagram pane.	QAT-9921
Query Builder	N/A	To ensure Toad retains the correct case in	QAT-13581

Feature	Platform	Resolved Issue / Enhancement	Defect ID
		your custom Calculated Column name in the Query Builder, you can now enclose the column name in quotes.	
Query Builder	Toad Intelligence Central	You can now edit or reverse engineer SQL that queries objects on Toad Intelligence Central.	QAT-13178
SQL Editor	N/A	Corrected an issue which prevented Toad from indicating syntax errors when "Show Information pop-ups" is disabled in Options | Editor | Tools.	QAT-10850
SQL Editor	Cassandra	Corrected an issue that caused an error when attempting to execute a query against a Cassandra database.	TIC-8930
SQL Editor	N/A	Enhancement: In the Editor and Query Builder, you can now specify the number of rows to fetch. In the Options dialog (Tools | Options | Database | General) you can specify a default value for the number of rows to initially fetch in the Editor and the Query Builder.	QAT-11677
SQL Editor	IBM DB2	Added support for Nicknames in code completion.	QAT-11921
SQL Editor	Netezza ODBC	Corrected an issue that prevented successfully executing against a temp table previously created in the same Editor window when the two statements were executed separately.	QAT-12224
SQL Editor	HIVE	Corrected an issue that unexpectedly cleared the "schema" selection after the SQL was initially executed.	QAT-12432
SQL Editor	HIVE	Corrected an issue that prevented successful execution of a SQL Select statement containing a WITH clause.	QAT-12973
SQL Editor	SAP ASE	Corrected an issue in which Toad truncated the parameter name.	QAT-13795
SQL Editor - Explain Plan	SAP ASE	Corrected an issue that prevented the display of the Explain Plan and correct Query Cost statistics in an SAP ASE connection.	QAT-12217
Syntax support	Apache Hive	Corrected an issue in which SQL containing "union all" with "select count * " resulted in an error.	QAT-13724
Toad Intelligence Central	N/A	Enhancement: For snapshots and Automation scripts in Intelligence Central, status is now indicated by the object's icon in the Object Explorer. For a description, see the New Features section of the Release Notes.	QAT-11979
Toad Intelligence Central	n/a	Corrected an issue in which the status of "Running" was displayed for a script that was	QAT-12123

Feature	Platform	Resolved Issue / Enhancement	Defect ID
		cancelled abnormally, such as when stopping a process. This issue resolution requires Toad Data Point 5.0 (or later) and Intelligence Central 5.0 (or later).	
Toad Intelligence Central	N/A	Corrected an issue that caused an error when attempting to publish an Automation script that includes child scripts.	QAT-12435
Toad Intelligence Central	N/A	Corrected an issue in which Automation scripts did not run successfully after migrating Intelligence Central data files to a new server. This resolution requires Toad Data Point 5.0 (or later) and Toad Intelligence Central 5.0 (or later).	QAT-12502
Toad Intelligence Central	N/A	Run Automation Script activity: When publishing an Automation script in which the child script contains a variable and "prompt during run" is enable, the Publishing dialog now finds and displays the default value from the child script and allows the publisher to change the default value, as expected.	QAT-12635
Toad Intelligence Central	Oracle	Corrected an issue that prevented successfully publishing SQL containing a Toad View to Intelligence Central as a view.	QAT-10787
Toad Intelligence Central	N/A	Corrected an issue in which the drive letter in a network path was not replaced with the full UNC name during publishing. This issue was encountered when publishing a script containing an Import or Export template that used a non-SQL (Excel, CSV) file stored in a network location.	QAT-11401
Toad Intelligence Central	N/A	Corrected an issue in which the corresponding schedule was not deleted when a scheduled snapshot was deleted in Intelligence Central. This issue resolution requires Toad Data Point 5.0 (or later) and Intelligence Central 5.0 (or later).	QAT-12288
Toad Intelligence Central	N/A	We have provided a work around to support unicode literals in cross-connection queries.	QAT-12299
User Interface	N/A	Dimensional Viewer: The helpful quick start graphic now displays after opening a new Dimensional Viewer window.	QAT-11710

Note: This list does not include every resolved issue for this release. To inquiry about an issue not listed here, please contact the Toad Data Point Team at the Toad Data Point community Web site.

Toad Intelligence Central: If you are publishing objects to Intelligence Central, review the Toad Intelligence Central - Release Notes.

Known Issues

The following is a list of issues known to exist at the time of this release.

Feature	Platform	Known Issue	Defect ID

General	Sybase ASE	Currently, if you open a Toad file in Toad Data Point 3.0 or later that contains a connection to Sybase ASE and was saved in Toad for Data Analysts 2.7 (or earlier) the file opens in an untitled Editor window. Use the following workaround which is for a Query Builder file, but a similar method can be used for any Toad file.	N/A
		Workaround 1:	
		1. If you receive a message stating that the saved file cannot be opened, close the message pop-up. You will see that your Toad Query Builder document is open in an Editor window. Send this document to the Query Builder (**Editor | Send to Query Builder**).	
		2. Save the new Query Builder document as a new Toad file.	
		Workaround 2:	
		1. Open the Toad file in Notepad.	
		2. Use **Find and Replace** to change all instances of "sybase" (all lowercase) to "Sybase" (first character uppercase, with the rest lowercase).	
General	Excel	If an Excel file is open in Toad, you cannot open the same file in a separate Excel instance. To review this and other limitations when using Excel in the Web Browser, see "Considerations When Using the WebBrowser Control" at: http://support.microsoft.com/kb/304662.	ST42486
General	Salesforce	After successfully changing the password or token for a Salesforce connection in Toad, attempting to open a Toad document created in a previous version (3.7 or earlier) using this connection results in a "Could not resolve connection" error.	N/A
		Workaround: Recreate the Toad document (Import/Export template, Query Builder file, Automation script, etc.) using Toad Data Point 3.8 or later.	
Installation/ Upgrade	All	(MSI installs on Windows 7) If you are using MSI to install Toad on Windows 7 with UAC enabled, you can install a file that adds a "Run as administrator" option when right-clicking the MSI file: http://www.symantec.com/connect/downloads/msi-run-administrator-context-menu-vista	N/A
		Toad Data Point does not support installation paths that contain UNICODE characters.	N/A
		Toad Data Point 3.0 or later doesn't support User IDs that contain Unicode characters.	ST90367, ST90372
		The Toad Data Point Read Only installation is read-only for all databases, with the exception of MySQL. If you are using a Read Only installation of Toad Data Point, you will be able to modify a MySQL (and only MySQL) database.	N/A
		Currently, you cannot install Toad Data Point to a path that contains non-English characters. By default, Toad Data Point installs IBM DB2 merge modules as part of the standard installation process. These merge modules only support English characters.	ST66330

Workaround (Stand-alone installation):
In the Destination Folder page of the installer, only use a destination directory that contains English characters

Installation	n/a	During installation on Windows 8, some users might encounter a prompt from Windows to install .Net Framework 3.5. **Workaround:** In the Windows prompt, click **Skip this installation** to instruct Windows *Not* to install .Net Framework 3.5.	N/A
Connections	ODBC	Currently, Toad does not support ODBC connections to the following databases: • Sybase Advantage • Oracle RDB • Progress OpenEdge • MySQL ODBC (The ODBC 3.51.17.0 driver is not supported, and attempting to connect using this driver results in columns not displaying for tables.) **Workaround:** Upgrade the MySQL ODBC driver to 3.51.27.00 or later to display table columns.	ST69744
Connections	Azure SQL Database	You need to install Microsoft Active Directory Authentication Library (adalsql.msi) to connect to Azure SQL Database using Active Directory Password Authentication.	QAT-14556
Connections	Access	Currently, for a password-protected Access database, selecting **Save password** in the Connection Properties dialog does not preserve the password for the next Toad session. **Workaround:** 1. To open a password-protected Access connection, right-click the connection in the Navigation manager and select **Properties**. 2. Select the Advanced tab and enter the password. 3. Select the **Save password** checkbox and click **Connect**. **Note:** This will allow you to connect to the database and save the password for this session of Toad. Repeat the procedure if you re-launch Toad.	ST94125
Connections	Vertica ODBC	When using the Vertica ODBC driver version 6.1.1, data containing UTE-8 characters does not display correctly. **Workaround:** Right-click the Vertica ODBC connection in the Connections Manager and select **Properties**. In the Connection Properties dialog, in the General tab, enter the following in the ConnectionString field: ColumnsAsChar=0	ST109484
Connections	Amazon Redshift	You might experience problems after a Redshift connection is unexpectedly dropped.	QAT-2194
Connections	Amazon Redshift	After canceling a Redshift query it might continue to run on the server.	QAT-2195

Connections	Amazon Redshift	When a Redshift connection in Toad is inactive for a period of time, attempting to access the connection can result in an error.	N/A
		Workaround: Change the Windows TCP/IP timeout settings as recommended by Redshift. See "To change TCP/IP timeout settings" at http://docs.aws.amazon.com/redshift/latest/mgmt/connecting-firewall-guidance.html.	
		Caution: Editing your Registry incorrectly can cause serious, system-wide problems. It is advised that you back up your registry before modifying it.	
Connections	N/A	Exported connections: A connection file exported from Toad Data Point 3.6 or later cannot be imported into version 3.5 or earlier.	N/A
Connections	MongoDB	For a MongoDB 3.0 (or later) connection, the user must have Read/Write privileges in the MongoDB database in order to view sub-tables (MongoDB embedded documents).	TIC-5520
Automation	All	If Toad Data Point 5.0 is launched as administrator on Windows 7 systems with UAC turned on and Outlook running, the auto-populate SMTP server info and contact list in Automation Email and Error Emails does not function properly.	ST80857
		Workaround:	
		Submit this information manually. Another option is to either run Toad Data Point 5.0 not as administrator, or turn UAC off, or close Outlook when adding the Send Email activity in Automation.	
Automation	All	When Toad runs *as an application* in a Citrix environment, scheduled scripts might not execute if the user who scheduled the tasks is not logged on. In addition, an "Access Denied" error is logged for the scheduled task in the Windows Scheduler.	N/A
		Workaround: Install and run Toad as a desktop when using Toad with Citrix.	
Data	ODBC - Ingress	In some cases, earlier Ingress ODBC drivers display an "Invalid number of columns or parameters specified" error message when displaying data that has Unicode characters.	N/A
		Workaround: Download the latest Ingres 9.3 ODBC driver.	
Execution Plan	SQL Server	You cannot generate an estimated execution plan for a local temporary table because the execution plan uses a different connection to generate the plan and does not know about the temp table.	N/A
		Workaround: Use the actual execution plan button to generate execution plans for SQL that contains a temp table.	
Export Wizard/ One Click Export	Access, Excel	Limitations when exporting fractional seconds: • When exporting to an Access Database File, exports do not support fractional seconds, so the additional data is not exported. • When exporting to an Excel instance, exports support only 3-digits for fractional seconds. However, if you	N/A

		export to an Excel file, it supports all fractional seconds.	
Import Wizard	Excel	Attempting to import data that was exported to an Excel instance where the fractional seconds were truncated results in an error.	N/A
		Attempting to import data from a template that contains multiple worksheets results in an error.	ST77978
	ODBC - DB2 iSeries, Netezza	Currently, the **Truncate table** checkbox is disabled on the Select Target page when using an ODBC connection to a DB2 iSeries or Netezza database.	ST77986
	Oracle, DB2	When importing data using the Add Query feature, BLOB data is not imported even though the dialog and log indicate that the import was successful.	ST77255
Library	N/A	A UAC setting at the highest level might interfere with the ability to drag a file to the Library window (from Windows Explorer) to add it to the Library. **Workaround:** Set UAC to the default level to enable adding a file by dragging it to the Library window.	N/A
Local Storage	N/A	**Issue:** Local Storage is incompatible with previous versions of Toad. If you upgrade to Toad Data Point 3.6 from a previous version, Local Storage upgrades silently and can no longer be used by the previous version of Toad Data Point (3.5 or earlier). If you plan to uninstall 3.6 after installing it and then resume using a previous version, backup your Local Storage data prior to installing 3.6. **To backup Local Storage data** 1. Navigate to C:\Users*username*\AppData\Local\Quest Software\Toad Data Point Hub Data. 2. Make a copy of the *Toad Data Point Hub Data* folder and save it using a new name (such as *Toad Data Point Hub Data 3.5 backup*). If you uninstall 3.6, just move this copy back and use the original folder name.	QAT-3812
Object Explorer/ Database Explorer	Sybase ASE	When viewing a table that contains a BIGTIME data type column, attempting to select the Data tab causes Toad to unexpectedly quit.	N/A
Object Explorer/ Database Explorer	Sybase ASE	Currently, only foreign key constraints can be added or modified for existing Sybase ASE tables.	ST55111
	Oracle 11g	On the Create/Alter User window, if you are modifying a password, you must enter the password in the proper case. You do not need to surround the password with double quotes. If you enter the password in lowercase on the Create/Alter User window, and the generated script has a SQL command containing the password in lowercase, you will need to type	ST66705

		the password in lowercase to login. If you enter the password in uppercase on the Create/Alter User window, and the generated script has a SQL command containing the uppercase in lowercase, then you will need to type the password in uppercase to login.	
Publishing Wizard	N/A	Users with Active Directory authentication and with TIC 4.0.3 and TDP 5.0.3 will not be able to see automation logs. This issue does not occur when TIC and TDP are the same versions.	QAT-14578
Query/ Query Builder	All	The Query Builder currently uses a 24-hour format for timestamps. Attempting to run a query with a date range that includes a 12-hour timestamp format results in incorrect formatting of the timestamp.	ST78729
Query/ Query Builder	Local Storage	Currently, in a cross-connection query using Local Storage, Toad does not support quoted table alias names (example, the table alias "foo bar"). Quoted column names are supported.	ST86483
Save As Dialog (Library)		For some users who enabled the **Automatically add files to library on open** feature, the **Save** and **Cancel** buttons in the "Save As" dialog are disabled. This issue was encountered in a Windows 10 environment. See knowledge base article KB235265. **Workaround 1:** Press **Enter** when the Save As dialog is open to save your file. **Workaround 2:** Select **Tools	Options	Environment	General** and clear the **Automatically add files to library on open** check box. If you use this workaround, newly-saved files and opened files are no longer automatically added to the Library.	N/A
Toad Intelligence Central	All	When data includes high-precision numbers (i.e., those with a large number of decimal places), results from publishing to Intelligence Central may not always be as expected. In some cases, data may be truncated to include not more than 15 significant digits.	N/A
Toad Intelligence Central	N/A	**Background:** In Toad Data Point 3.5 or later, your Intelligence Central user name must be lower-case. **Issue:** In Toad Data Point 3.5 (or later), if you attempt to open a previously-saved connection to Intelligence Central 2.2 (or earlier) in which the user name contains upper-case letters, the connection will error. **Solution:** Upgrade to Intelligence Central 2.3.	N/A
Data Compare	N/A	Data Compare cannot be performed on a very large number of tables with many columns. If maximum compilation size is exceeded you will receive a message with a recommendation to lower the number of tables or columns compared	QAT-14218
User Interface	N/A	**Issue:** Toolbar sub-menus and buttons disappear when selected. If you experience this issue, use the following workaround. **Workaround:** 1. In Toad, select **Help	About** and select the **Application Data Directory** link to open this	QAT-6045

directory. Then exit Toad.

2. In the App Data directory, open the Session sub-directory and delete the **Analyst.tss** file. Restart Toad.

3. In Toad, select **Tools | Configuration Wizard**. Click **Finish** to close the wizard without selecting an option. The default option will be applied.

Third Party Known Issues

The following is a list of third party issues known to exist at the time of release of Toad Data Point 5.0.

Feature	Platform	Known Issue	ID
Connect to Database	DB2	If you are using the DB2 Client version 9.5, 9.7, or 10.1 in a Windows 8 or Windows Server 2012 environment, follow the instructions in IBM DB2 Technote 1618434: http://www-01.ibm.com/support/docview.wss?uid=swg21618434.	N/A
Connect to Database	Excel	The following error is encountered when attempting to create a connection to an extremely large Excel file (for example, 20 MB or larger): "Microsoft. ODBC Excel Driver. System resource exceeded." For more information, see http://www.toadworld.com/products/toad-data-point/f/36/p/20201/40998.aspx. **Workaround:** Convert the Excel file to a CSV file.	N/A
Connect to Database	Oracle	(Oracle 10.2.0.1 client only) Attempting to connect to an Oracle database From Toad using the 10.2.0.1 Oracle client results in the following error: "ORA-24909: call in progress. Current operation canceled". This is a known issue with this Oracle client (http://www.dbmotive.com/oracle_error_codes.php?errcode=24909). **Workaround:** Upgrade your Oracle client to a later version and connect to the Oracle database.	N/A
Connect to Database	Oracle 11 only	When connecting to Oracle 11, you must enter the password in the proper case because passwords are case-sensitive.	N/A
Toad Data Point Automation	All	Automation in Toad Data Point 3.3 or later requires .NET Framework 4.5 (or later). If you are using .NET Framework 4.0 without .NET Framework 4.5 (such as in Windows XP), you may encounter the following: - After running a scheduled Automation script, Toad generates an error message even though the script executes successfully. - In a Toad Intelligence Central environment, after running any published Automation script (scheduled or un-scheduled), Toad generates an error message even though the script executes successfully. **Workaround:** Upgrade your Windows OS to Windows 7 and install .NET Framework 4.5 or later.	N/A
Data	ODBC- DB2 z/OS	In compatibility mode, the ODBC driver does not return enough information for the CommandBuilder to correctly generate update or insert statements.	N/A
Editor	Teradata	If you experience performance issues using a Teradata connection, especially when using code completion in the Editor, use the Teradata Non-X views (instead of the X views). **To use Teradata Non-X views**	N/A

Feature	Platform	Known Issue	ID
		• Select **Tools	Options	Database	Teradata** and select the **Use Non-X views in Object Explorer** option.	
Export Wizard/ One Click Export	All	To export to an Office 2003 or 2007 Excel instance, the Office Primary Interop Assemblies (PIAs) must be installed. You can install the PIAs from one of the following locations: **2003 PIAs:** http://www.microsoft.com/downloads/details.aspx?FamilyID=3c9a983a-ac14-4125-8ba0-d36d67e0f4ad&DisplayLang=en **2007 PIAs:** http://www.microsoft.com/downloads/details.aspx?familyid=59DAEBAA-BED4-4282-A28C-B864D8BFA513&displaylang=en	N/A
Export Wizard/ One Click Export	Excel	Avoid using Excel for exporting if your data has numeric values that require a high precision because Excel's precision is limited to 15 digits. If you export numbers with more precision, the values are rounded. If you export boundary numbers (max, min), rounded numbers will exceed the data type limit.	N/A
Import Wizard	DB2	When importing data using the Add Query feature and selecting a Single new table, TIMESTAMP data types are mapped to DATETIME data types.	N/A
Object Explorer	Cloudera Impala	A view is represented as a table in Impala, so views display as tables in Toad. For more information, see https://issues.cloudera.org/browse/IMPALA-1697.	N/A
Object Explorer/ Database Explorer	Teradata	You may experience issues if you attempt to view object details and your Teradata .Net Data Provider version does not correspond to the Teradata database version to which you are connecting. Issues include: • Object details for a View containing a DATE data type column do not display. • Object details for a Table containing a NUMBER data type column do not display. **Workaround:** Install the Teradata .Net Data Provider version that corresponds with the Teradata database version to which you are connecting. For example, if connecting to Teradata database version 14, use Teradata .Net Data Provider 14.11.	N/A
Object Explorer/ Database Explorer	DB2 iSeries	The primary Key column of an iSeries table displays as Nullable in the Database Explorer even though the Not Null checkbox was not selected when creating the table.	N/A

Query Builder	Sybase ASE	**Cross-connection query:** Sybase has difficulty dealing with numeric literals in queries. You may encounter the following error:
		`Implicit conversion from datatype 'CHAR' to 'INT' is not allowed. Use the CONVERT function to run this query.`
		when attempting to execute a cross-connection query such as:
		`Select * from table where numeric_column = 50`
		Work-around: Change the query to something similar to the following using the cast function:
		`Select * from table where numeric_column = CAST(50 AS SIGNED)`
			ST96868

Feature	Platform	Known Issue	ID
Query Builder	Cassandra and Excel/Access	**Cross-connection query:** A query between Cassandra and either Excel 2010 or Access 2010 might fail to execute and display a lost-connection error. **Workaround:** Upgrade to Excel 2013 or Access 2013 (or later).	N/A

Getting Started

Contents of the Release Package

The Toad release package contains the following products:

1. Toad Data Point 5.0
2. Product Documentation, including:

   - Installation Guide
   - Online Help
   - Release Notes
   - User Guide
   - Getting Started Guide

Installation Instructions

See the *Toad Data Point Installation Guide* for more information.

Product Licensing

To activate a purchased commercial license

1. In the Licensing dialog, enter your license (Authorization) key.
2. Enter the site message included with the license key.

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. It supports simultaneous operation with multilingual data. 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.

This release has the following known capabilities or limitations: If the user overrides the default installation path during installation, the new path specification cannot contain Unicode characters.

About Us

We are more than just a name

We are on a quest to make your information technology work harder for you. That is why we build community-driven software solutions that help you spend less time on IT administration and more time on business innovation. We help you modernize your data center, get you to the cloud quicker and provide the expertise, security and accessibility you need to grow your data-driven business. Combined with Quest's invitation to the global community to be a part of its innovation, and our firm commitment to ensuring customer satisfaction, we continue to deliver solutions that have a real impact on our customers today and leave a legacy we are proud of. We are challenging the status quo by transforming into a new software company. And as your partner, we work tirelessly to make sure your information technology is designed for you and by you. This is our mission, and we are in this together. Welcome to a new Quest. You are invited to Join the Innovation.

Our brand, our vision. Together.

Our logo reflects our story: innovation, community and support. An important part of this story begins with the letter Q. It is a perfect circle, representing our commitment to technological precision and strength. The space in

the Q itself symbolizes our need to add the missing piece—you—to the community, to the new Quest.

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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

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