

Toad® Data Point 4.2

New in This Release

Thursday, April 13, 2017

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Toad Data Point - Professional Edition

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

Toad Intelligence Central

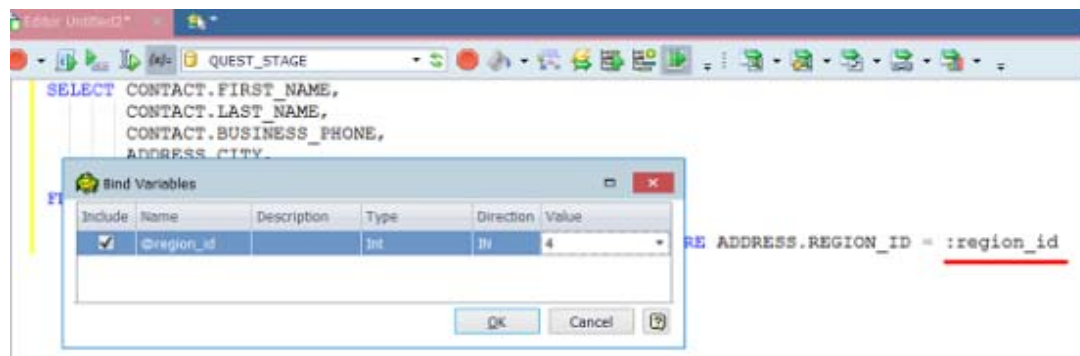
Note: This feature is available in the Toad Data Point Professional edition only and requires access to a Toad Intelligence Central server.

Publish View with Variable in SQL

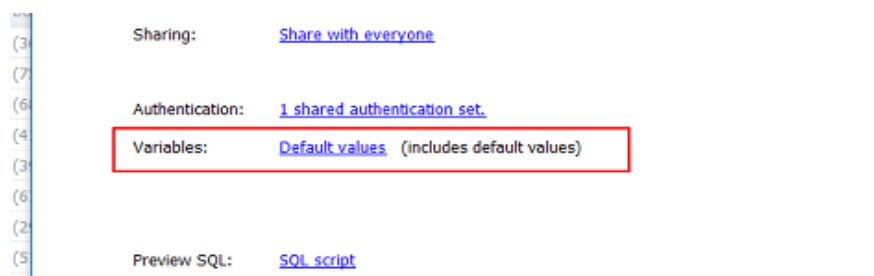
You can now publish a view that contains a variable. This new feature allows data providers to include variables in a published view so data consumers can change the value prior to viewing the result set.

Note: This new feature is supported in Intelligence Central 3.3 or later.


1. To use this new feature, create a query containing a variable.

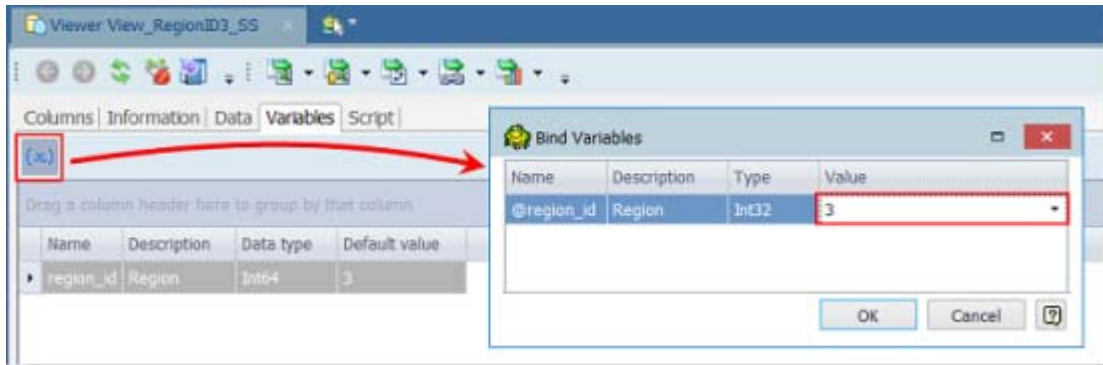


2. Then publish the query as a **View**. The Publishing dialog allows the publisher to specify a default value for each variable in the SQL at the time of publishing.



3. After publishing, the **View** owner or users with Manage privileges can modify the default value. In this way users can enter their own variable values prior to viewing the result set.

To edit the variable default value, in the Object Explorer right-click the **View** and select **View Details**. Select the **Variables** tab and click the **Edit default variables** button .



4. In the Web interface for Toad Intelligence Central 3.3 (or later), a similar feature allows users to enter a value for each variable in the SQL prior to **Downloading** the view. See the [Toad Intelligence Central Quick Start Guide](#) for more information.

Prompt for Variable Value when Running Published Automation Scripts

Note: This new feature is supported in Intelligence Central 3.3 or later.

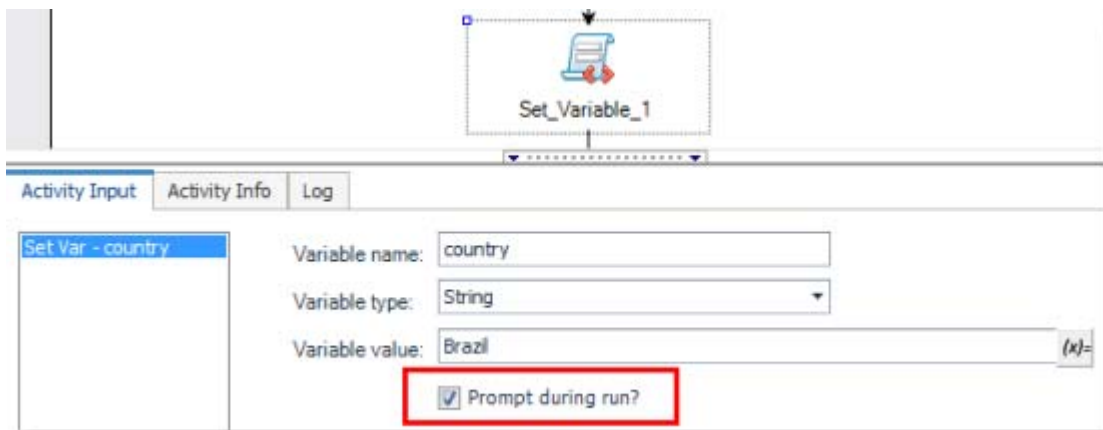
This release includes a new feature for Automation scripts that allows you to instruct Toad to prompt for a variable value at run time (for manually-executed scripts). This feature is supported for an Automation script executed locally or for a published script executed in Intelligence Central.

This feature applies to the following types of scripts:

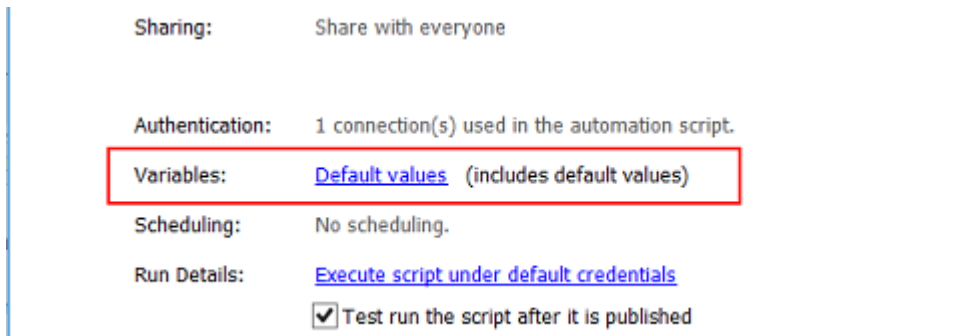
- An Automation script containing a Set Variable activity. The **Prompt during run** option must be selected.
- An Automation script containing a Send Email activity. The **Prompt** option must be selected.

Review the following feature details:

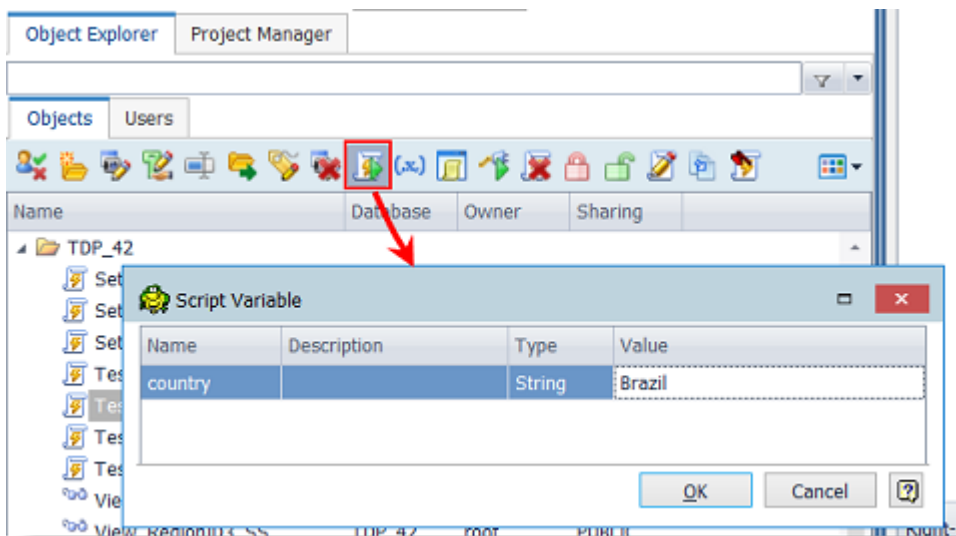
1. To use this feature, create an Automation script containing either a Set Variable activity or a Send Email activity.
2. In the Set Variable activity, select the **Prompt during run** option. In the Send Email activity, select the **Prompt** option.



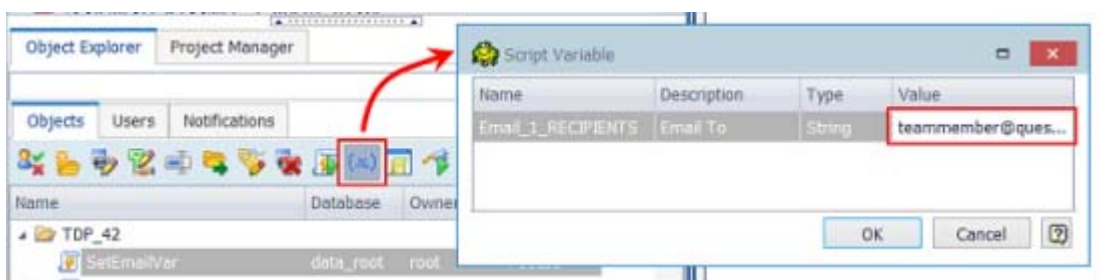
3. **Publish and specify default value.** Publish the script. The Publishing dialog allows the publisher to specify a default value for each variable in the script.



4. **Prompt for run-time value.** When a user manually executes the published script, Toad prompts for a run-time value for each variable in the script. The new value is used in this execution only and the default remains unchanged.



5. **Edit default value.** After publishing, the script owner or any user with Manage privileges can modify the default value. To modify the default value, select the script in the Object Explorer and click the **Edit script default variables** button . If the script is scheduled, the default value is used in the scheduled execution.



6. **In the Web interface for Toad Intelligence Central 3.3 (or later),** a similar feature prompts the user for a variable value when the user attempts to manually run an Automation script. See the [Toad Intelligence Central Quick Start Guide](#) for more information.

Publish Data from Dimensional Viewer Using Automation

This release includes a new Automation activity which allows you to export or publish data from a Dimensional View. Use this new activity in Automation workflows such as the following:

- Publish Dimensional Viewer data to Intelligence Central as a dataset. You can publish each view (container) in the Dimensional Viewer document to a separate dataset.

- Publish Dimensional Viewer data to an Excel file. Then add a Publish File activity to your script to publish the Excel file to Intelligence Central.

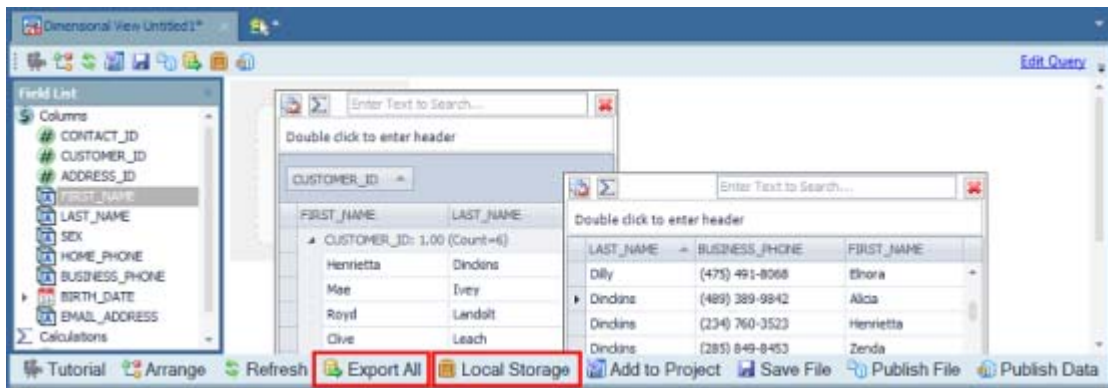
Improved Error Messaging. For scheduled scripts running on Intelligence Central, Toad provides improved error logging and more meaningful error messages.

Data Management

Dimensional Viewer

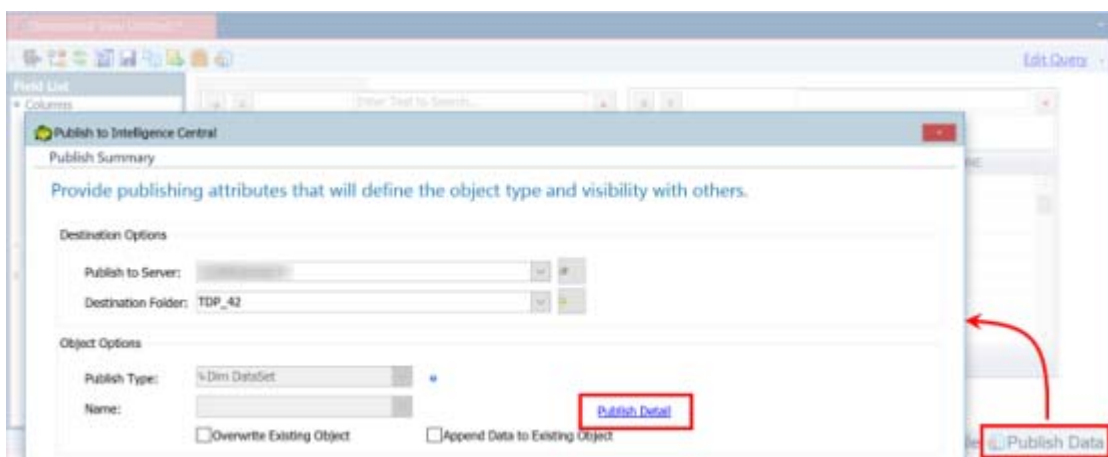
This release includes several new enhancements to the Dimensional Viewer. You can now export all views to a file or location, publish data to Intelligence Central, and edit the underlying query.

- **Export All Views to Excel or Local Storage.** You can now export all views (containers). Multiple views can be exported to multiple worksheets in an Excel file or to multiple tables in Local Storage.
 - To export to Excel, click **Export All** in the Wizard bar.
 - To save to Local Storage, click **Local Storage** in the Wizard bar.

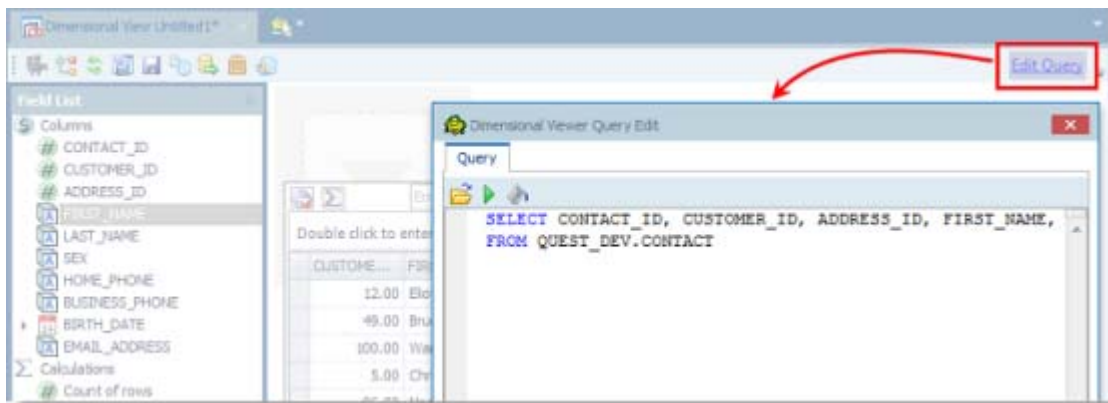


- **Publish Data to Toad Intelligence Central.** You can now publish view data to Intelligence Central as a dataset. Publish either a single view or publish multiple (or all) views. Each view is published as an individual dataset.
 - To publish a single view, right-click within the view and select **Send To | Publish Container**.
 - To publish multiple (or all) views, click **Publish Data** in the Wizard bar. Then in the Publishing dialog, click **Publish Detail** to select which views to publish. You can also give each dataset (container) a unique name.

Note: Publishing to Intelligence Central requires access to a Toad Intelligence Central server.



- **Edit Query.** You can now edit the underlying query for the Dimensional View document. Click **Edit Query** in the Dimensional View window.



Connections

ODBC Connections - Enable Disk Caching to Improve Performance

- For ODBC connections, you can now instruct Toad to cache object metadata and retain it between Toad sessions. Using this option can improve performance in future requests. To specify this option, select **Tools | Options | Database | ODBC**.

OData. This release includes support for OData version 4.

IBM iSeries ODBC. A Functions tab now displays in the Object Explorer for iSeries connections, as expected.

Azure DataMarket. In this release of Toad Data Point, the option to create a connection to Azure DataMarket is no longer available. See <https://datamarket.azure.com/browse/data> for more information about Microsoft's announcement to retire DataMarket.

Automation

Dimensional View Activity

This release includes a new Automation activity for exporting data from a Dimensional View. This new activity allows you to open an existing Dimensional View file, execute the query, and export the data to Excel, Local Storage, or Intelligence Central.

- To use the Dimensional Viewer activity, drag it from the Automation toolbox to the script design area. Select an existing Dimensional Viewer file. Then select an export method and specify export options.



- If the underlying query for your Dimensional View uses a variable, you can use the Set Variable activity to instruct Toad to prompt for a variable value during each script execution. See a description of this new feature in the **Toad Data Point - Base and Professional Editions | Automation** section.

- Several other new enhancements are included in the Dimensional Viewer in this release. See the **Toad Data Point - Professional Edition | Data Management | Dimensional Viewer** section for more information.

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

SQL Recall

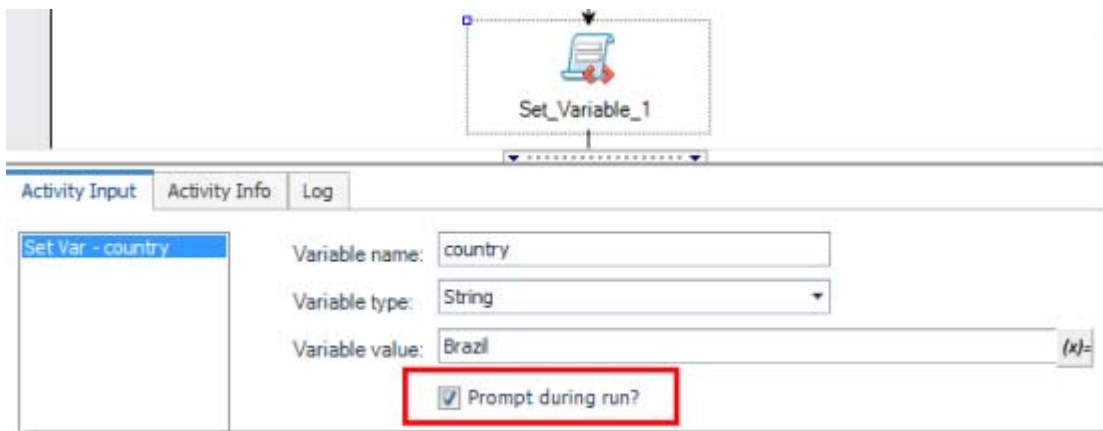
Oracle Connections. For Oracle connections, when you use F5 to execute all statements or click **Run Script** in the Wizard bar, all executed statements are now saved to SQL Recall.

Automation

Set Variable Activity

Prompt for Variable Value at Run Time. In the Set Variable activity, you can now instruct Toad to prompt for a variable value each time you manually execute the Automation script.

1. To use this feature, specify a named variable and variable value using the Set Variable activity.
2. In the Set Variable activity, select **Prompt during run**.



3. Execute the script manually. Toad prompts you for a variable value by opening the Bind Variables dialog. Use the default value or enter a new value. The new value is used in this execution only and the default remains unchanged.

If you schedule the script, scheduled execution uses the default value you specified through the Set Variable activity.

4. When you build a script that uses the Set Variable activity to set the value of a bind parameter or variable for SQL located in another activity, this feature allows you to easily modify that value at run time without modifying the script.

This feature also applies when scripts are published to and manually executed in Intelligence Central. See the **Toad Data Point - Professional Edition | Toad Intelligence Central** section to learn how this feature is used in published Automation scripts.

Send Email Activity

Prompt for Recipient Address at Run Time. In the Send Email activity, you can now easily instruct Toad to prompt for a recipient email address each time the Automation script is manually executed.

1. To use this feature, add a Send Email activity to your Automation script. Specify a default value in the **To** field.
2. Then select the **Prompt** check box. This instructs Toad to treat this field as a variable field and to prompt for a value.



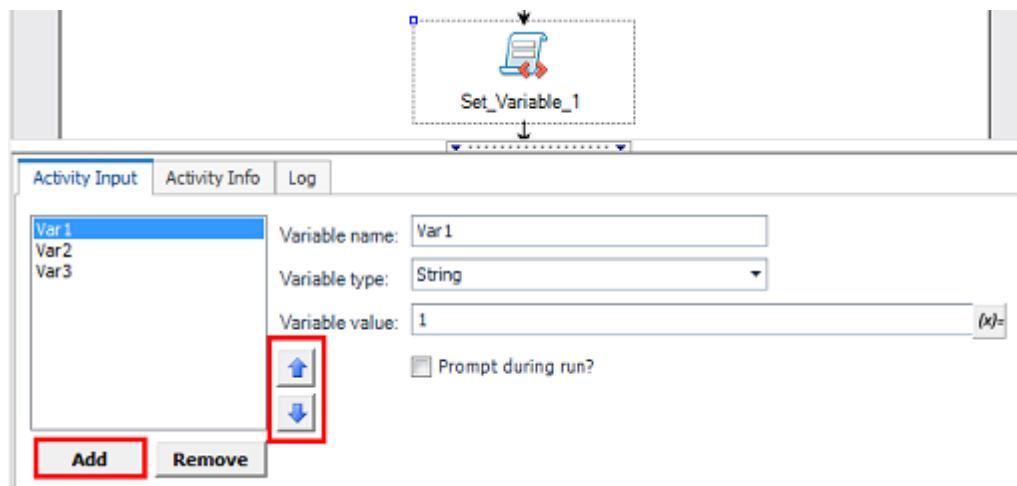
3. Execute the script manually. Toad prompts you for a variable value by opening the Bind Variables dialog. Use the default value or enter a new value. The new value is used in this execution only and the default remains unchanged.

If you schedule the script, scheduled execution uses the default value you specified in the **To** field.

This feature also applies when scripts are published to and manually executed in Intelligence Central. See the **Toad Data Point - Professional Edition | Toad Intelligence Central** section to learn how this feature is used in published Automation scripts.

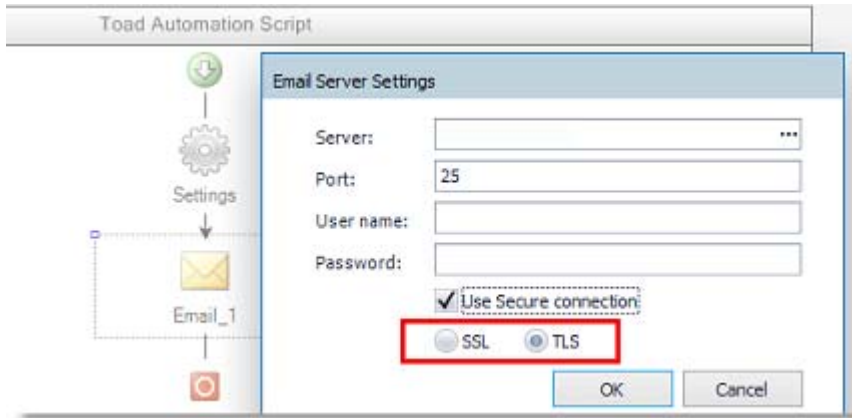
Set Variable and Set Variable Value Activities

- **Reorder Variable List.** In the Set Variable and the Set Variable Value Automation activities, you can now reorder the list of variables.



Email Server Settings

- You can now select between SSL or TLS when specifying a secure email connection. You can specify email server settings in the **Send Email** activity or in script **Settings | Compose Email**.



Select to File Activity

- **Export File Name Suffix.** When appending a suffix to the export file name, you can now only select a date or datetime suffix. To include a variable or expression in the suffix, use the Set Variable activity to define a variable or build an expression. Then use the variable as a suffix in the export file name by entering the hash symbol before and after the variable name (#VariableName#).
- This change also applies to the **Clean Data activity**.

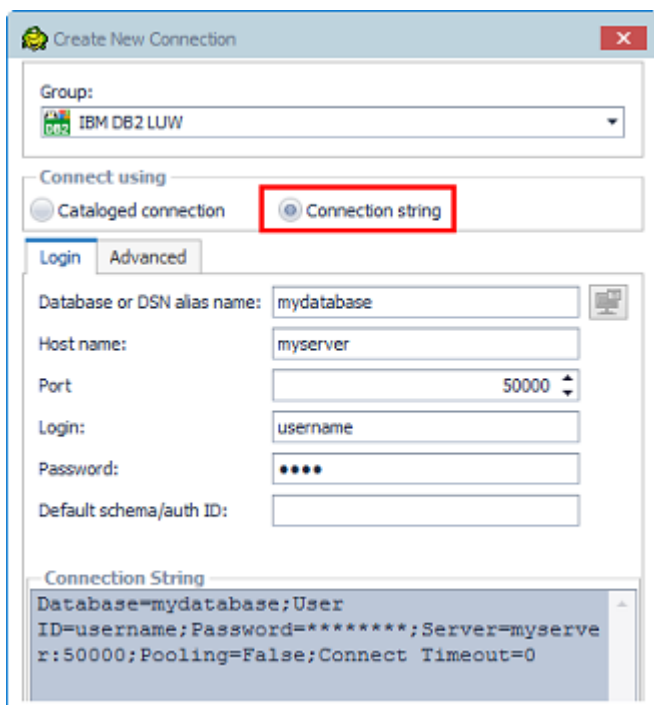
Connections

Support for SQL Server 2016

- Toad Data Point has been tested with SQL Server 2016. In addition to this release, Toad Data Point 4.1 has been tested with SQL Server 2016.

IBM DB2 Connection String

- You can now use a connection string to define a DB2 connection. To use this method, select the **Connection string** option in the Create New Connection dialog. Then enter connection information in the fields. The connection string is displayed in the Connection String text box.



Improve Oracle Query Performance

- This release includes a new option that allows you to improve query performance for Oracle connections by fine-tuning the batch size for your query. To use this feature, go to **Tools | Options | Database | Oracle**. In the **Number of rows to fetch in all queries** field, specify the number of rows to fetch.
- As an alternative option, select the **Default** check box to allow batch size to be adjusted automatically.

Installation

Microsoft .NET Framework Requirement

This release of Toad requires Microsoft .NET Framework version 4.5.1 where .NET 4.5 was previously required. See the System Requirement in the *Toad Data Point Release Notes* for .NET requirements for your operating system. During installation, if .NET 4.5.1 is required and not detected, installation stops, Toad provides a link, and you are prompted to download .NET 4.5.1.

Start Menu and Application Directory

- By default, you will now find Toad Data Point under **Quest Software** in the **Start** menu.
- The default location for the Toad Data Point application directory (fresh install) is now under **Quest Software**.

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](#).

- Learn about new features from product video demos.
- Find answers to your questions in the forums.
- Learn tips and tricks from blog posts.
- Find product documentation

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