

Toad® Data Point 4.3

New in This Release

Monday, October 16, 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

Changes to Authentication Keys

This release includes an important change to Authentication keys. Beginning with Toad Data Point 4.3, a view can have only one type of key applied at a time (per data source), either a shared key or a personal key. This change is designed to simplify the process of Authentication. Please review the following details.

- In summary, an object can have only one type of key applied at a time. A snapshot always has a shared key. A View can have either a personal key or a shared key, but not both.

Note: For cross-connection queries, each data source can have its own separate key type, either personal or shared.

- After a view is published, you can no longer *add* an additional key type, but you can change the key type.
- If you change a personal key to a shared key, all personal keys are removed from the object.
- If you change a shared key to a personal key, the shared key is removed from the object.

Notes:

- A similar change to Authentication key functionality is included in Toad Intelligence Central 4.3. See the Toad Intelligence Central 4.3 documentation for more information.
- If you upgrade to Intelligence Central 4.3, required modifications to Authentication keys are handled during the upgrade/installation process. See the *Toad Intelligence Central Release Notes* and *Deployment Guide* for more information.

Query Development

Cross-Connection Query Optimization. This release of Toad Data Point includes a number of enhancements that optimize cross-connection query execution for improved performance.

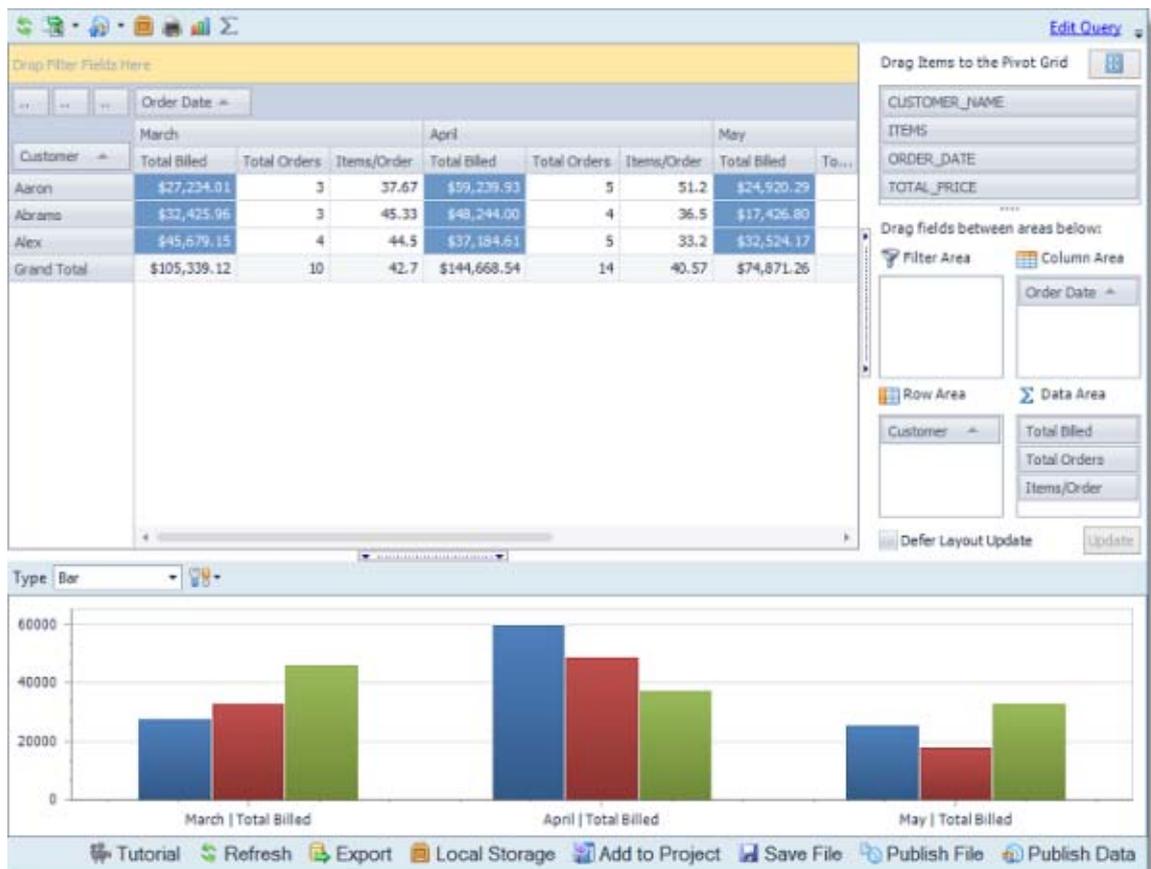
Toad Data Point - Base and Professional Editions

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

Pivot Grid

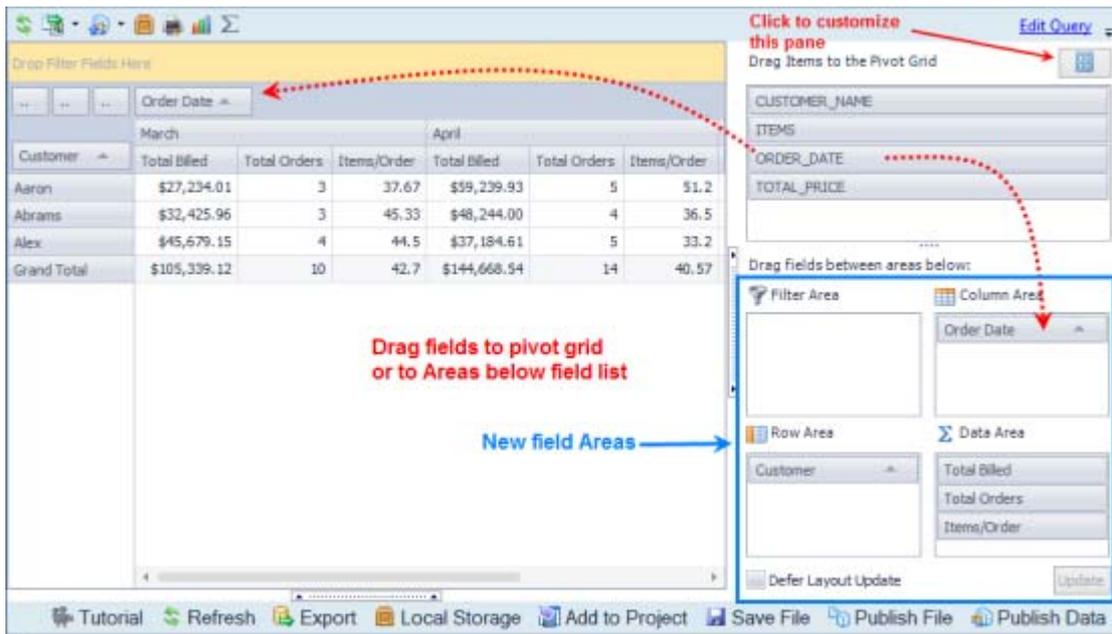
This release of Toad Data Point includes a redesigned Toad Pivot Grid with more functionality, a simplified workflow, an improved user interface, and an easy-to-use window layout.

New functionality includes exporting to an Excel pivot table, exporting data to Intelligence Central and Local Storage, and creating calculated columns.



Enhanced Pivot Grid Window. The Pivot Grid window is now easier to use.

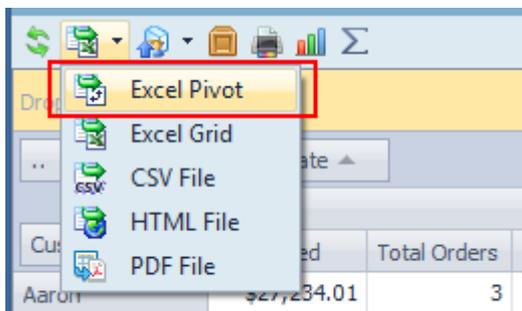
- You can now build a pivot grid by dragging fields from the field list to the **field Area** directly below the field list. This is similar to the workflow and layout found in Excel. You can also drag fields directly to the pivot grid.



- The **field Areas** allow you to easily view which fields are applied to the grid, easily apply a filter to field values, and quickly change the field summary type, if necessary.
- By default, the field list is docked above the field Area for easy navigation. In addition, the layout of the pane is now customizable.
- Toolbar buttons and links have been added for some commonly-used actions, such as Export, Refresh, and Edit Query.

New Functionality

- **Export to Excel Pivot table.** You can now export a pivot grid to Excel as an interactive Excel pivot table that includes the underlying result set. This provides you with a working pivot table in Excel along with the underlying data, allowing you to re-pivot result set data in Excel, if necessary.



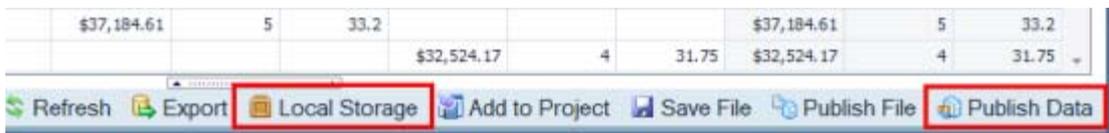
- **Export to Excel Grid includes full rows.** When exporting the summarized data to Excel as a data set (**Excel Grid**), the exported file now includes full rows of data wherever the pivot grid grouped data into merged cells.



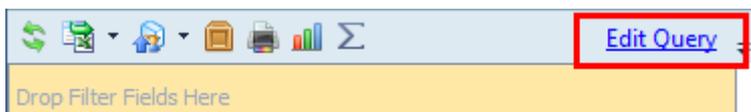
- **Export to Excel includes customization.** You can now specify a number of different options for the exported Excel file. This is similar to the customization available when exporting to Excel through the Export Wizard or the Select to File activity.
- **Create a calculated field.** You can now create a calculated field. Use the expression editor to build an expression used to calculate the new field. The calculated field is added to the field list.



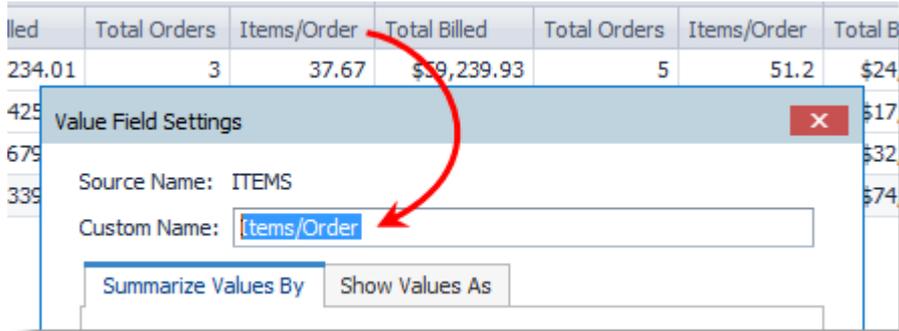
- **Add a field multiple times.** You can now add the same field to a pivot grid multiple times.
- **Save data to Local Storage.** You can now save pivoted data to a new or existing table in Local Storage.
- **Publish data to Intelligence Central.** You can now publish pivoted data to Intelligence Central as a Dataset.



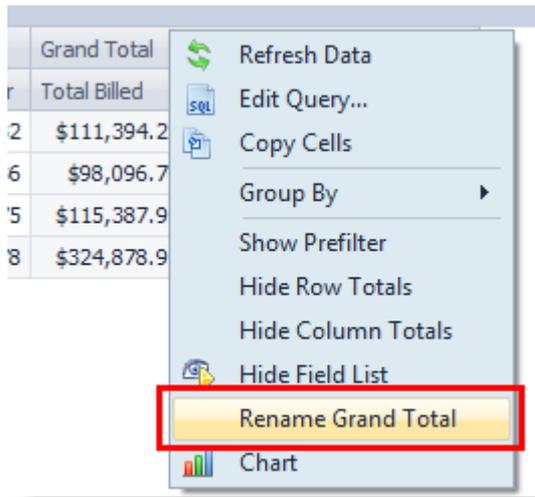
- **Enhanced Toad Pivot Grid Automation activity.** The Toad Pivot Grid activity includes additional functionality. You can now export the pivot grid to an Excel pivot table. You can now export the pivoted data to Intelligence Central as a dataset. You can now save the pivoted data to Local Storage.
- **The Toad Pivot Grid file now includes the connection.** The associated database connection is opened upon opening a saved Toad Pivot Grid file created in 4.3 (or later).
- **Edit the underlying query.** You can now edit or execute the underlying query. Click **Edit Query** in the toolbar to open an editor pane where you can modify the query or execute it to preview data.



- **Customize field names.** You can now rename fields to further customize your pivot grid to create meaningful reports when sharing the Pivot Grid or exporting to Excel or other document formats. Right-click a field and select **Value Field Settings** or **Field Settings**.

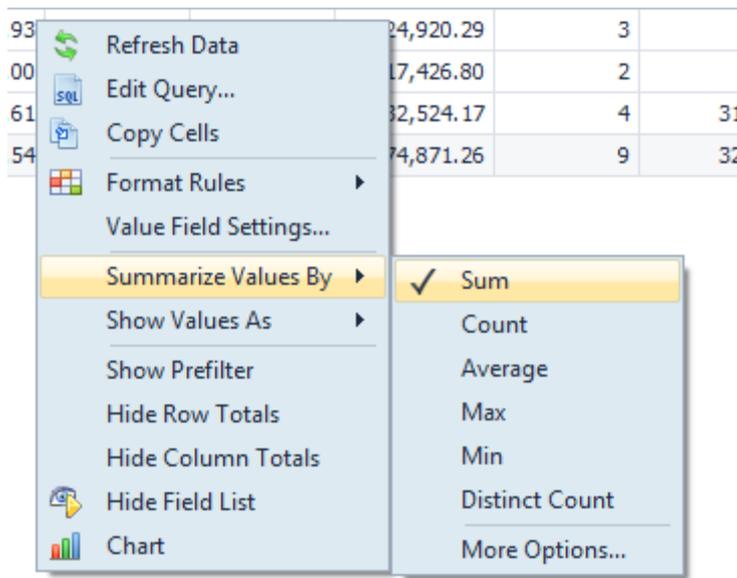


- **Customize Grand Total name.** You can now rename the Grand Total fields. Right-click a Grand Total field name and select **Rename Grand Total**.

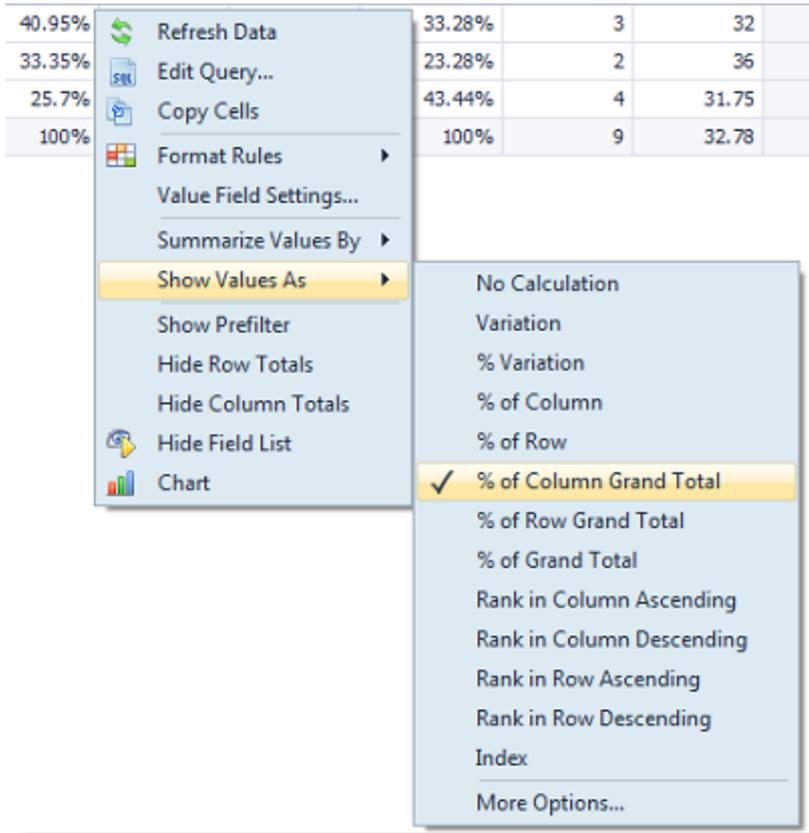


Workflow Enhancements. Frequently-used actions are now available through the right-click menu.

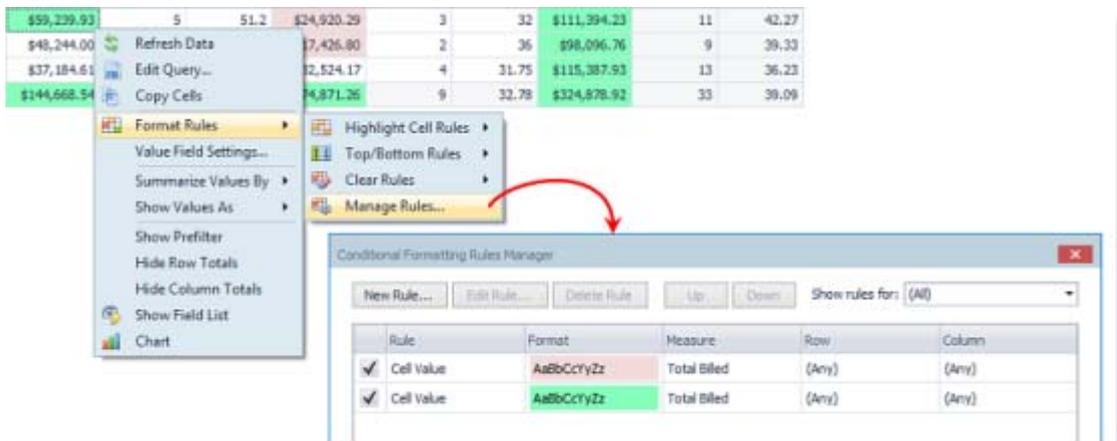
- Easily change the way pivot grid values are summarized. Right-click a grid value or field and select **Summarize Values By**. For subtotaled fields, select **Field Settings**.



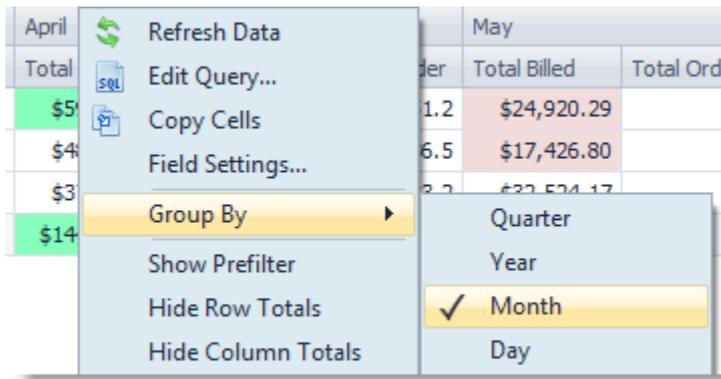
- Easily change the way values are displayed. Right-click a grid value and select **Show Values As**.



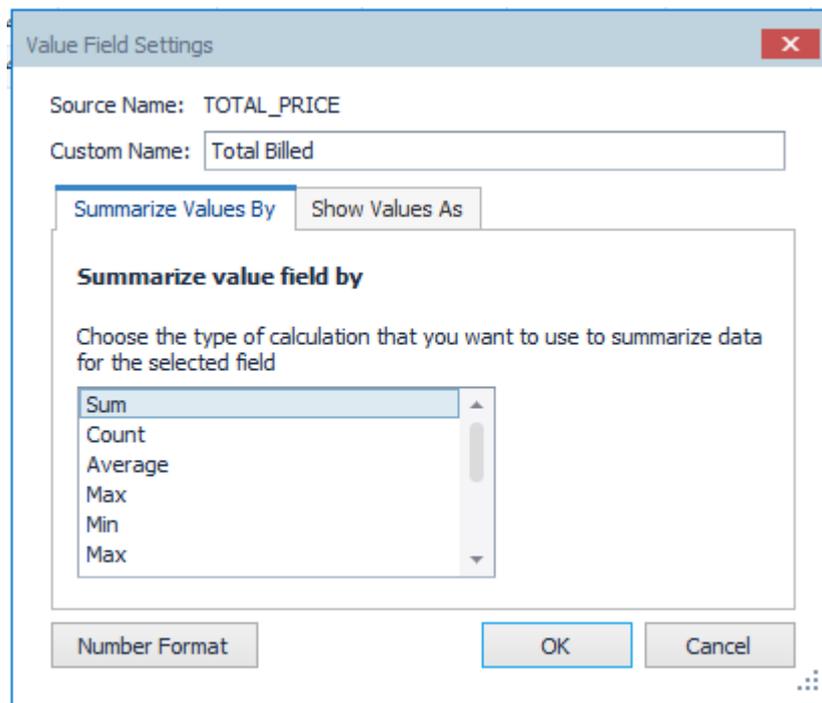
- Easily create and apply conditional formatting. Right-click the grid and select **Format Rules | Manage Rules** to open the Rules Manager. Create rules from predefined or custom conditions. Easily select cell background color, text appearance, etc.



- Easily group columns or rows. Right-click a column (or row) header and select **Group By**.



- To change number format, right-click a grid value and select **Value Field Settings | Number Format**.
- In addition to the right-click menu, the Value Field Settings dialog can be used to specify all settings for a pivot grid (Data Area) field.
 - Right-click a pivot grid value or field and select **Value Field Settings**.



Backward Compatibility Information

In this release of Toad, the Pivot Grid tool allows you to edit and execute the underlying query. Toad Pivot Grid documents created and saved in this release of Toad include the connection information.

To upgrade a Toad Pivot Grid document created in a previous release of Toad, open the file in 4.3 and select a connection when prompted. Then execute the query (click **Edit Query**) and save the file.

Automation scripts with the Pivot Grid activity created and saved in a previous release of Toad are supported and should execute as expected when run using Toad Data Point 4.3.

Supported Data Set Size

If your result set contains a large number of rows (one million or more), you may experience a delay or reduced performance when sending data to, or working in, the Pivot Grid. For best results, work with a data set of less than one million rows. For larger data sets, try the following workaround.

Workaround: If your result set contains a large number of rows, build the pivot grid on a sampling of rows. Then use an Automation script to pivot all rows.

1. Execute a query in the Query Builder or Editor, but do not read all rows.
2. Send the sampling of rows to the Pivot Grid and create your pivot grid document.
3. Create an Automation script using the Toad Pivot Grid activity with your pivot grid document as input.
4. Run the Automation script to read all rows and refresh the pivot grid.

Query Development

Aggregate Field in Calculated Column. In the Query Builder, the **Aggregate** field is now enabled for Calculated columns in the Criteria (lower) pane.

Note: Although the entire list of Aggregate functions is available, select only a function applicable to the current Calculated column to avoid a database error.

Automation

Set Variable Activity. In the list of available **Date** functions in the expression editor, the Date function **Round()** has been replaced with the function **RoundDate()**. The functionality is the same. The Math function **Round()** remains unchanged.

Activity Result Variable. Instead of an empty string, the value of the "_ACTIVITY_RESULT" variable is now set to "Succeeded" when an Automation activity does not error.

General

Specify Foreground Execution Timeout. You can now specify a timeout for the execution of a SQL statement on the foreground thread. To set this option, go to **Tools | Options | Database | Timeout**.

Export to Excel - Consistent Export Options Dialog. When exporting to Excel, Toad allows you to customize file and worksheet options for the exported Excel file. This feature is available when exporting to Excel from a number of different Toad modules, including the Select to File activity in Automation, Transform and Cleanse, the Dimensional Viewer, and now the Pivot Grid. In an effort to make this customization process consistent among modules, Toad now provides a single, easy-to-use Export options dialog.

Toad Security. Beginning with Toad Data Point 4.3, Toad Security is no longer available by default. The option to implement Toad Security (**Tools | Administer | Toad Security**) is not enabled. To enable Toad Security, see Quest Support.

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.

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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.
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