

Modeler Release Notes

Contents

- Release Notes - Quantrix Modeler 3**
- Quantrix Modeler 21.1.0 3
- Improvements in Version 21.1.0..... 3
- Significant Fixes in Version 21.1.0 6
- Known Issues in Version 21.1.0..... 9

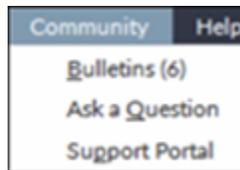
Release Notes - Quantrix Modeler

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Quantrix Modeler 21.1.0

Improvements in Version 21.1.0

Modeler includes a new top-level menu option called Community that includes the new Bulletins feature described below, and two options that had been under the Help menu: Ask a Question (the forum), and Support Portal.



Quantrix introduces a new feature called [Bulletins](#) that lets you see Quantrix news about product updates, features and perks from within Quantrix Modeler by clicking a small bell-shaped icon in the taskbar (QM-24123)

- The green Bulletin icon is a notification of unread bulletins that you can view by clicking the icon or clicking the menu option under Community > Bulletins. The number of unread bulletins displays when you hover over the icon and also shows next to Community > Bulletins. If there are no unread bulletins, the bell icon is a faded blue color.
- In the Bulletins toolpane, the bulletin titles are bold (meaning the bulletin is unread) or not bold (read). Click Mark All Read in the bulletins toolpane to mark all messages as read, and use the toolpane check box to choose if you want read bulletins displayed. Although bulletins expire automatically, you can right-click and delete them if desired. See the [Bulletins help](#) topic for more.

[Format Painter](#) has been improved, and reduces the steps involved while adding functionality QM-24147:

- Select the base cell (the cell whose format you want to copy)
- Click the Format Painter toolbar button once if you want to apply the format once as a single paste action
- The cursor changes to a Paintbrush icon
- Click to select the target cell(s) and release to paint
- You can now engage Format Painter mode for more than one paste action:
- Select the base cell
- Double-click the Format Painter toolbar button and the toolbar button is outlined to indicate the painter is "locked" in paint mode
- Format Painter continues to apply the paint format to any cells or ranges you select until you turn it off by clicking the Format Painter button or by pressing Esc

Modeler offers an [option \(preference\)](#) called "Allow drag to replace categories" that lets you drag a category to replace a category in another matrix while also linking the dragged category. This option/preference is enabled by default. When enabled, category replace lets you drag a category from one matrix to another matrix, and drop the category on top of the category you want to replace. Please see the [Using Replace Categories](#) topic in the help for important details and rules (QM-24094, QM-24198)

[Adding categories](#) has been improved for ease of use, and you can now add categories by clicking a small add category button that shows on both row and column axes for matrices,  (QM-24092):

- The add category button is available unless you lack permissions, or have exceeded the limit of 16 categories
- The add category button is not available for filter tray categories, on canvases or charts
- If a matrix has no categories on an axis, the add category button is available
- Clicking the add category button adds a category after an existing category or categories on an axis; clicking Shift + add category button adds the category before any categories on an axis
- Undo is available for the add category button

Note: Other than the Adding a Category topic and selected others, the online help images will be updated to reflect the new add category button in a subsequent release.

Quantrix Modeler navigation between categories and items has been improved for usability, so that you can use Tab to move from a selected category to go to the first item. Use Shift + Tab to move back from an item to the category, in both matrices and charts (QM-24095).

If the category is on a filter tray, or point or series axis (in a chart), Tab goes to the first item of the first row category. If there are no categories on the row tray, Tab goes to the first item of the first column category.

When using shift-tab, if there is nothing uncollapsed to the left of the current selection and the current selection is an item or group, shift-tab moves the selection to the category of that group or item. When tabbing from a filter tray category to a row or column item and shift-tabbing out to that row or column category shift-tab does not move back to the filter tray.

When you rename a default category name, provided you haven't changed the default item name for that category, the item name(s) are automatically renamed to match the category name. For example, for a new matrix with the default category named "A", if you rename category "A" to "Products" the associated item is automatically renamed to "Products1" from the default name of "A1". If you have category "A1" with multiple items (A1, A2, A3, A4, etc.) and you rename category "A" to "Products", all items are automatically renamed to "Products1, Products2, Products3, Products4, etc.). This improvement makes it easier to rename multiple categories and immediately see which items belong to which categories (QM-24091)

Users who use have created a plugin or have been provided with a plugin for use with Quantrix Modeler can now easily manage plugins from the Tools (Preferences) > Manage Plugins option (QM-24100). A plugin is a custom code

package in the form of a .jar file that is designed to work with Modeler and has been verified as safe and as working correctly by you or your plugin provider. Please see the [Manage Plugins](#) topic for more.

Messaging is improved when publishing a model to Qloud if the Modeler and Qloud application versions differ: "Publish Error: Modeler and Qloud versions differ and are incompatible. Public Qloud users should ensure their Quantrix Modeler version is up to date using Help > Update Quantrix. Enterprise Qloud users should check with their Qloud administrators to ensure they are on a compatible version (QWC-4149)

In Data Import (and DataLink), provided the data source file structure is the same, Quantrix retains the csv & fixed width data source configuration for data types and column labels when users access the data source from a different file location (QM-23201)

The [Update Data Import process and interface are improved](#) in the scenario where a previously configured non-data import category location no longer exists. The prompt no longer displays that said "Change Data Import Location". Instead, the Data Import will be in error and entering configuration mode will automatically display the broken location in the options pane and you can choose a different location (QM-23889)

Data Import's Import > Clipboard now supports using CTRL-V to paste copied delimited text into a Data Import clipboard matrix. For example, you can copy spreadsheet data, open a model, and pressing CTRL-V automatically opens the Import from Clipboard dialog and pastes your copied data to the clipboard matrix. You can also use CTRL-V when there is an empty matrix, or when your focus is on a model browser selection (QM-24096)

Formula auto-complete is improved and displays qualified names in the list when different components (such as Item and Group) have the same name: this helps you determine the correct name to select for the formula (QM-23923)

The match() function has been improved and now matches explicitly on a NULL value. Match() accepts an empty string as an argument and returns the first index of an empty value in the list. This might be helpful if, for example, you want to use a formula to calculate only the cells that precede a NULL or that are not NULL (QM-24184)

Formula deleting has been improved: When you delete a formula using Delete or Backspace, the current formula is deleted and the selection moves to the next formula following the deleted formula (any following formulas are moved up to occupy the rows contiguously) so that you can continue deleting if desired. If there are no formulas following the deleted formula, the selection moves to the previous formula (QM-24156)

For usability, newly created List and Category constraints no longer have 'Convert to numeric values' selected (QM-23807)

The online help system delivers significant new functionality and a more modern design. New capabilities include improved search and search result navigation with highlighter control, and enhanced topic actions such as favorites, sharing, emailing and printing. For details, please see the help topic [How to Use Help](#).

For ease of use, a new option is available on the model tab's right-click menu to rename the selected view (QM-23922)

An MSI installer for installing Quantrix Modeler on Windows is available upon request. The installer includes supporting files including install and uninstall batch files and driver files (QM-24182)

The Java version is updated to the latest Corretto JDK version on both Windows and Mac, to Corretto 1.8_265.

Significant Fixes in Version 21.1.0

When a data import matrix contains collapsed rows, new data comes in correctly and is not collapsed (whether it is created by users, or is brought in using Data Import) and is visible (QM-23874)

A Change Data Import data location prompt that sometimes appeared for invalid data locations, such as on model open or as a result of a data update script running or deleted locations no longer appears: in these circumstance, better and more informative messaging is supplied (QM-23968)

A specific scenario involving database data updates using a performWithAuthentication script should no longer prompt for authentication info (username and password) provided you chose to save credentials (QM-24061, F0122055)

Data Import from Snowflake is now supported using the Snowflake JDBC driver (QM-24085, F0121909)

When updating DataPush and Data Import matrices that contain linked primary key categories the primary key is correctly retained and used by both data updates (QM-24056, F0121831) See [related known issue](#).

When you copy a Data Import matrix that has a filter containing an expression qualifier that references a renamed matrix, reloading or pasting and loading the copied matrix uses the correct, renamed matrix name in the expression qualifier (QM-24081, F0122129)

Line and scatter plots now select and display the selection correctly (QM-23883)

The rounddown, trunc, round, roundup and percentile functions now work correctly for numbers with leading 0-decimals (QM-24133, F0122862)

Expressions in nested group titles and in shapes/text objects nested inside groups now evaluate and calculate correctly when pasted. (QM-20587, F0077001)

When using the functions sumif and countif, numbers that are formatted as text are converted to numbers for comparison if the test value is a number. If you want to match a cell value with a string, use quotes (for example, use '24' to match a cell value with the string 24).

When using sumif, numbers that are formatted as text are not included in the sum (QM-21030, F0078557)

CountIf now recognizes items to count even if they start with characters such as # (for example, #10202): #string will match any error that has message #string and any string values that match #string. (QM-19078, F0067438)

Formulas containing certain non-ASCII characters no longer result in the Dependency Inspector omitting formula lines: the formula section of the Dependency Inspector now displays the complete formula (QM-23015, F0094554)

The Interpolate Missing Values option for Plot and Statistical Plot charts no longer spans values that come from different series (QM-23935, F0118869)

An exception no longer occurs related to category item generation with Undo/Redo when adding/removing or calculating generated items (QM-24134 , F0120239)

Exceptions no longer occur when invalid arguments are entered in Generate Items and formulas (QM-23939)

Calculation performance has been improved from 20.2.0 for deeply recursive models containing a large number of cells and that uses scripted functions in formulas that have deep recursion (QM-23946, QM-23956, F0119344)

When saving a model, the Save dialog should no longer show multiple entries for the .model file extension in the Files of Type field (QM-22506)

Date and Time fields imported from text files are shown in the correct date/time order regardless of how they are configured (QM-23936)

Conditional formatting now overrides settings for cell and notes indicators in Tools > Options > Matrix when the indicators use background colors (QM-24176)

When you use background colors, the order of precedence is Solver Cell > Conditional Format > Note Indicator > Cell Indicators > Normal Format

Note indicators (triangle icons) and constraint violation indicators (for Value not allowed or Value empty flags) now display in cells containing hyperlinks and images (QM-21788)

An exception related to using custom number formats in certain scenarios no longer occurs (QM-20975)

An exception that occurred with the Arabic language pack installed, and moving categories to the filter tray, no longer occurs (QM-24022)

An exception that occurred when certain constraint ranges and cell coordinates didn't match should no longer occur (QM-23822)

An exception that sometimes occurred related to adding shapes to a canvas should no longer occur (QM-21670)

An exception no longer occurs in some cases while inserting Items multiple times (QM-23901)

An exception no longer occurs when using the SQL SELECT DISTINCT command (QM-23891)

An exception no longer occurs with primary key categories in certain scenarios, such as when dragging a primary key category from a table view on a canvas to the canvas filter tray, or to a matrix filter tray and hovering over it, or when adding a table to a canvas that has a primary key category in the filter tray (QM-23788)

An exception no longer occurs in a very specific scenario involving a matrix view on a canvas in interaction mode, selecting an item and using Ctrl-Z to Undo while the mouse pointer is on the matrix canvas view (QM-21914)

When a canvas is closed, and you add or remove items, the snapped matrices now display the changes correctly in the PDF and Print/Print Preview (QM-23871)

An exception related to items generated with Generate Items and the use of Undo no longer occurs (QM-24029)

Models with intermodel links no longer get an exception related to updating intermodel links when the source file changes, and when using Recalc options with Undo/Redo, with scripts (QM-21724)

Exceptions no longer occur in Data Import after updating from the Data Import tab, removing categories and then using Undo (QM-24165)

An exception no longer occurs when you are in a data import configuration that references a matrix, and you delete that referenced matrix from the model browser (QM-23620)

An error no longer occurs when opening a model that was saved in an inconsistent state (QM-21322, F0080106)

On macOS, entry of Chinese and Japanese characters in items, cells and categories using an IME now works correctly (QM-19196, F0067968)

On macOS, detached views now remain on the display they are moved to, rather than moving back to the original display when the focus changes (QM-19257, F0068701)

On macOS, color-coded tags assigned to models are retained when models are opened and re-saved provided you have permission to save and the model is not read-only (QM-20937)

On macOS, copying and pasting a view from a Presentation Canvas into another canvas or application pastes correctly and no longer sometimes includes extra gray around areas of the pasted canvas (QM-19644, F0071854)

On MacOS, when the International System setting 'Use System Fonts' is enabled in Preferences, the Filter panel now sizes correctly and shows all of the text (QM-24034, F0121195)

Model data formatted on a Mac in Chinese fonts now display correctly on Windows and no longer appear blank (QM-23094, F0105101)

Known Issues in Version 21.1.0

Plot charts containing collapsed data may not show legend selections correctly (QM-23918)

DataPush and Data Import that use multiple primary keys will not work properly if they share the primary key category

On MacOS, when using detached views that cover the main view, some dialogs may appear behind the detached view. Moving the detached view and clicking the dialog brings it to the front (QM-23275)

When you are using an IME, typing a character when a cell is in focus but is not being edited puts the IME in the upper left corner of the primary screen. Committing text does put the text in the cell, and you can use the IME on the cell. To avoid this scenario, begin your edit by pressing F2. In some cases, using the arrow key when an IME is in use moves the selection and ends the edit. Certain Asian characters in a model's hyperlinks cause the hyperlink to fail (QM-19196)