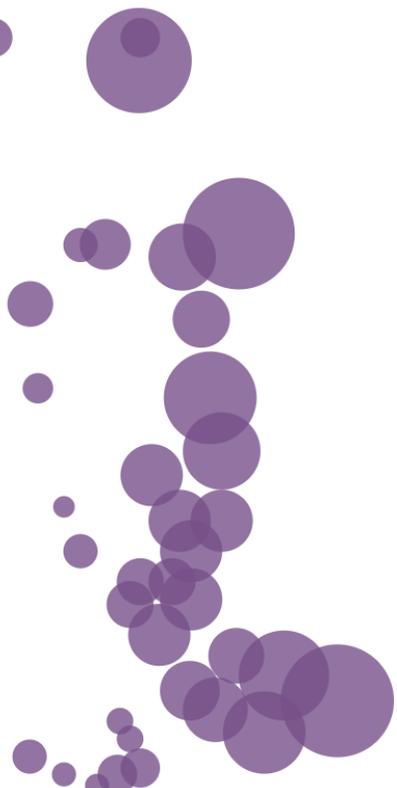




## WHAT'S NEW AND RELEASE NOTES

Release: 2022.5



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## NEW FEATURES AND IMPROVEMENTS

### DATA PREPARATION

#### *Use macro expressions in custom SQL*

You can now use user-related macro expressions not only in calculations and filters, but also when adding custom SQL queries in a dataset.

Additionally, you can use a new macro expression, `${user.attribute('attribute_name')}`, to filter data against any attribute defined for a user in Access Manager.

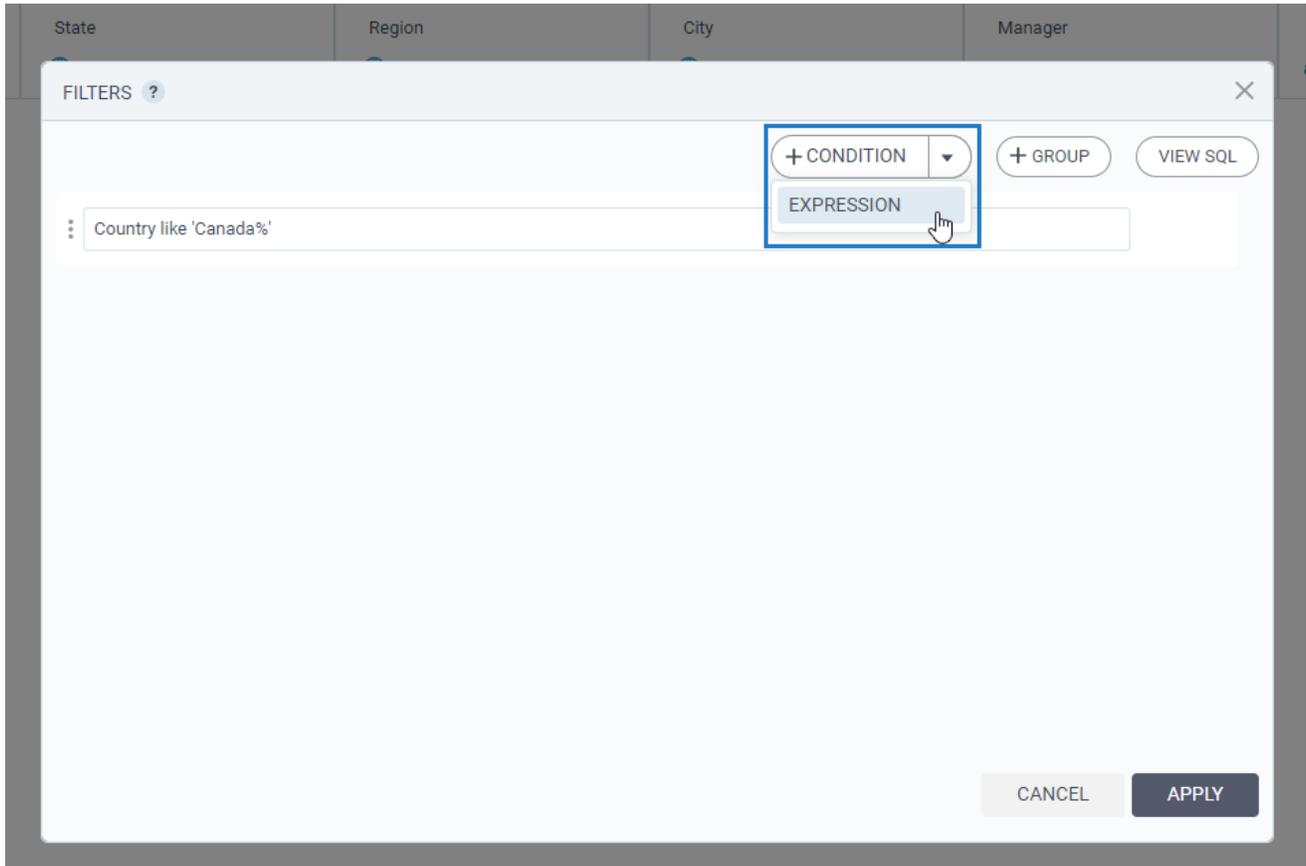
The screenshot displays the Access Manager web interface. The top left shows the 'AccessManager' logo and a user profile for 'George Becker'. The main content area is titled 'Users > george.becker' and shows the user's details under the 'Attributes' tab. A table lists attributes with columns for 'Key', 'Value', and 'Actions'. The 'team' attribute is highlighted, with a value of 'Analysts' and a 'Delete' button. A modal window titled 'SQL QUERY' is open in the foreground, showing a SQL query: `1 select * where ${user.attribute('team')} ...|`. The modal has navigation buttons for 'PREV', 'NEXT', and a close button 'X'.

Key	Value	Actions
	1621959634706	
team	Analysts	Delete

```
1 select * where ${user.attribute('team')} ...|
```

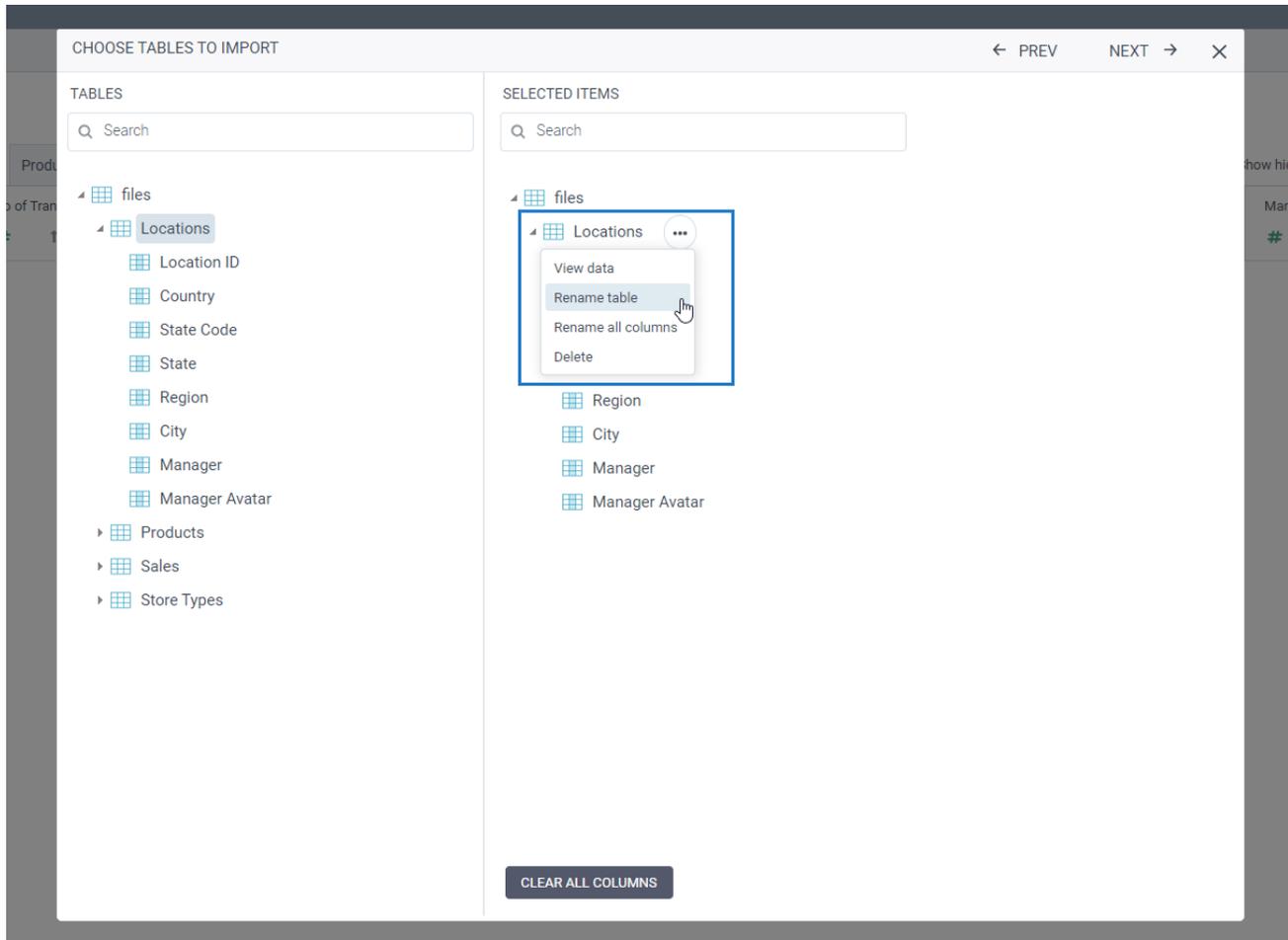
## Use custom SQL expressions in filter conditions

When adding filters in datasets, you can now specify filter conditions as custom SQL expressions, for example, *"Country" LIKE 'Canada%'* or *Column = \${user.username}*. The expressions are then added in SQL preview as any other conditions.

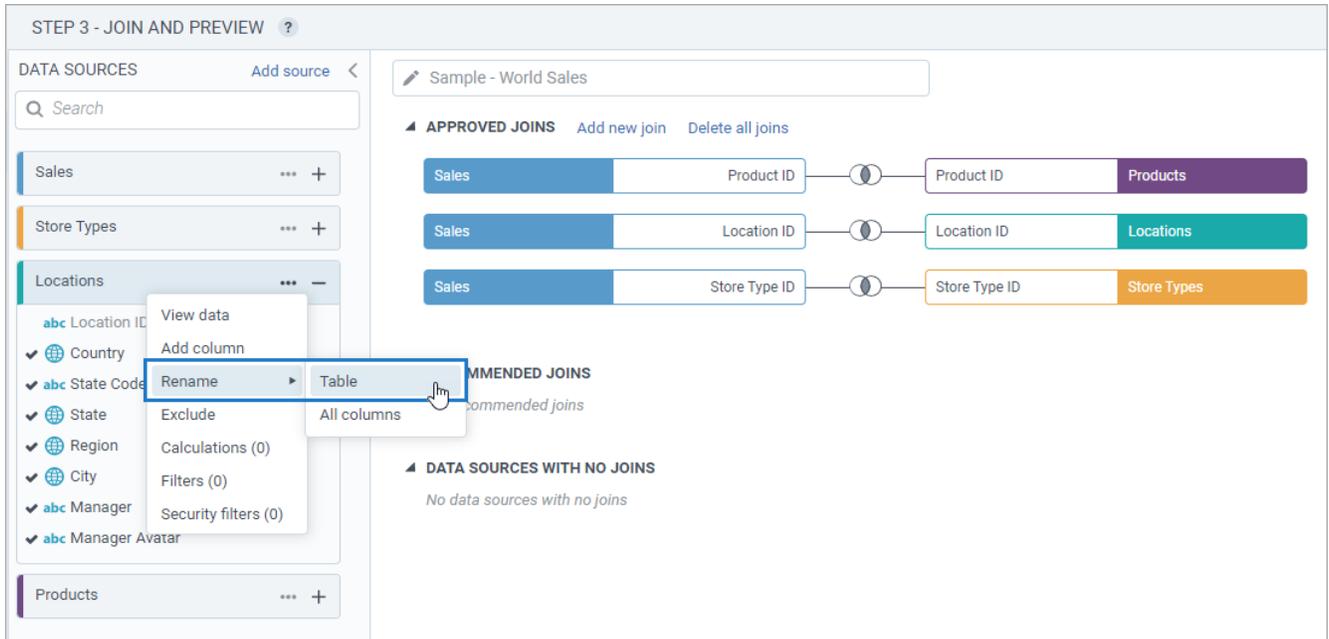


## Rename a table when adding a new data source

Starting with this release, you can rename any new tables that you add to a dataset. In the **Choose tables to import** dialog, click **More options**, and then select **Rename table**.

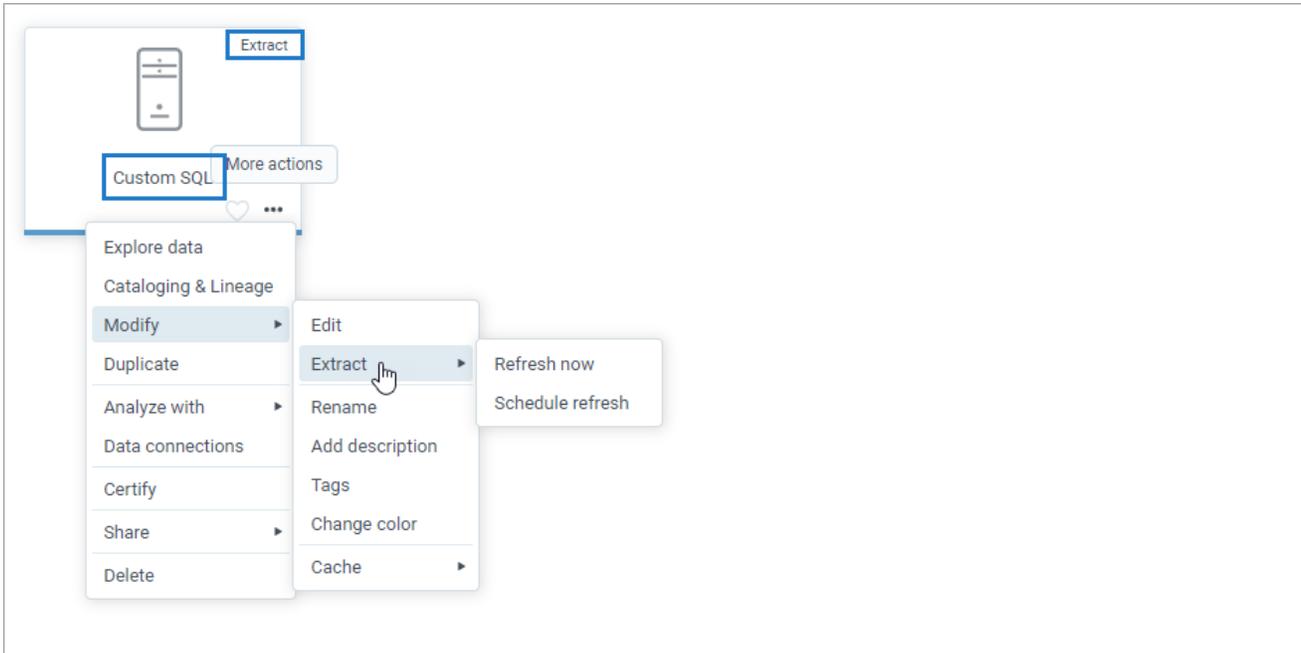


Subsequently, the **Rename > Data source** option is renamed to **Rename > Table** in Step 3 of the dataset wizard.



## Create extracts for datasets based on custom SQL data

You can now create extracts of the datasets that are based on custom SQL data.



## Replace a connection used in a dataset

Now, you can switch data connections used for the dataset to another replacement connection of the same type, for example SQL server to another SQL server connection. This may be especially useful when you create a dataset that is using a test database during the modeling phase but then want to configure the dataset to use production data connections.

You can switch a data connection by clicking **More options** for the needed data connection and selecting **Replace connection** in the following places:

- Dataset wizard (Step 2)
- Cataloging & Lineage
- Dataset connections

In the **Replace connection** dialog that opens, you can view the list of your own and shared data connections.

The screenshot shows the 'STEP 2 - REFINE' interface. At the top, there is a 'source options' dropdown menu. Below it, a table displays data connections for a 'Sales Ord' dataset. A blue box highlights the 'More options' menu for the 'Date' connection, which includes 'Replace connection' and 'Delete' options. A 'REPLACE CONNECTION' dialog box is open in the foreground, showing the current connection 'Quakes' being replaced with another 'Quakes' connection from a list of available options.

Product line	Date	Store type	Items per transaction	Sales per transaction	No of customers	Quantity
abc		abc	#	#	#	#

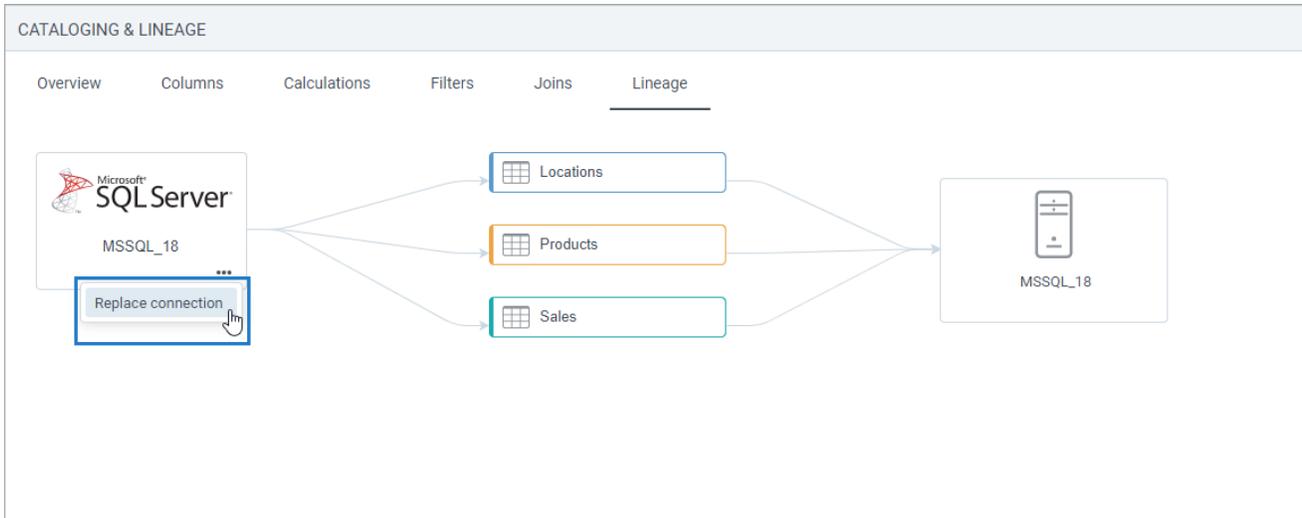
**REPLACE CONNECTION**

Replace **Quakes** with

Quakes

Q Search

- Oracle\_18\_03\_2021\_08
- Oracle\_18\_03\_2021
- Quakes
- Quakes



## Add calculations based on columns from different dataset tables

Now, when creating or editing a dataset, you can create calculations by using columns from different tables. To do so, in Step 3 of the dataset wizard, on the **Data preview** toolbar, click **Calculations**. In the **Calculations** dialog that opens, you can find all the dataset columns grouped by table.

The screenshot displays the DataClarity interface for a dataset named "Sample - World Sales". At the top, there are "APPROVED JOINS" for Product ID, Location ID, and Store Type ID. Below this is a "Data preview" section with a table of data. The "Calculations" dialog is open, showing a search bar, a list of dimensions (Locations, Products, Sales, Store Types) and measures (Discount, Entertainment Cost, Gross Sales, Items per Transaction, Manufacturing Cost), and a text area for defining the calculation name.

Sales Date	Items per Transaction	No of Transactions	No of Customers	Quantity	Unit Price	Discount	Gross Sales
Jan 1 2019	24	6	20				
Feb 1 2019	17	8	15				
Mar 1 2019	29	9	30				
Apr 1 2019	26	10	12				
May 1 2019	48	8	21				
Jun 1 2019	17	3	12				

## Preview dataset tables as columns list

Starting with this release, you can view dataset tables as a column list including its type, source column name, and source table. To switch between the views, use the **Column list view** and **Data view** icons in the upper-right corner of the data table in Step 2 and in the upper-left corner in Step 3 of the dataset wizard.

STEP 2 - REFINE ? NEXT →

Sample - World Sales.xlsx

Calculations (0) Filters (0) Security filters (0)

Sales Store Types Locations Products

Columns list view  Show hidden columns

Search

Type	Name	Source column	Source Table
...	Sales Date	Sales Date	Sales
...	Items per Transaction	Items per Transaction	Sales
...	No of Transactions	No of Transactions	Sales
...	No of Customers	No of Customers	Sales
...	Quantity	Quantity	Sales
...	Unit Price	Unit Price	Sales
...	Discount	Discount	Sales
...	Gross Sales	Gross Sales	Sales

STEP 3 - JOIN AND PREVIEW ? Live Extract FINISH →

Sample - World Sales

APPROVED JOINS Add new join Delete all joins

Sales Product ID Product ID Products

Sales Location ID Location ID Locations

Sales Store Type ID Store Type ID Store Types

Data preview  Show hidden columns Show 100 rows Calculations (0)

Sales									
Sales Date	Items per Transaction	No of Transactions	No of Customers	Quantity	Unit Price	Discount	Gross Sales	Planned Gross Sales	Manufacturing Cc
#	#	#	#	#	#	#	#	#	#
Jan 1 2019	24	6	20	15	12	0.07	167.40	180.79	3.60
Feb 1 2019	17	8	15	30	68	0.03	1978.80	1860.07	40.80
Mar 1 2019	29	9	30	25	43	0.05	1021.25	1031.46	21.50
Apr 1 2019	26	10	12	48	30	0.08	1324.80	1470.53	28.80
May 1 2019	48	8	21	20	17	0.05	323	310.08	6.80
Jun 1 2019	17	3	12	15	100	0.05	1425	1596.00	30
Jul 1 2019	21	2	10	10	200	0.04	1920	1977.60	40

## STORYBOARDS

*Format numeric columns as strings*

Now, you can format numeric type columns to be displayed as strings with no decimals or thousand separators. In other words, if you need to treat a numeric column containing such numbers as 10,000 as a dimension, you change its format to String. Numeric dimension columns are always displayed as unformatted strings by default.

In Storyboards, a new option is available in **Column format** for numeric type columns.

The screenshot displays the DataClarity interface with a 'COLUMN FORMAT' dialog box open. The dialog is titled 'COLUMN FORMAT' and asks to 'Specify a number format for Unit Price'. The 'Format as' dropdown menu is open, showing options: Number (selected), Currency, Percentage, and String (highlighted with a blue box and a mouse cursor). Other settings in the dialog include: 'Negative values' set to '-1234', 'Display units' set to 'None', 'Prefix' and 'Suffix' fields, 'Decimal separator (custom)' field, 'Thousands separator' set to 'Custom', and 'Thousands separator (custom)' field. 'CANCEL' and 'OK' buttons are at the bottom right. In the background, the 'Unit Price' column is selected in the 'Dimension' section, and a trellis plot is visible with x-axis labels 370, 573, 955, 1301, and 1924.

## Open a storyboard from the subscription email

This release lets you include a link to the respective storyboard in the subscription email. This way, a subscriber can quickly review the latest updates by navigating to the live version of the storyboard instead of reviewing the attached screenshots. Access to the live storyboard depends on the subscriber's permissions for the storyboard and for the dataset that is used for the visualizations.

A new macro expression, `${storyboard.link}`, is now available in the default subscription email to automatically generate a storyboard link.

