



WHAT'S NEW AND RELEASE NOTES

Release: 2022.6

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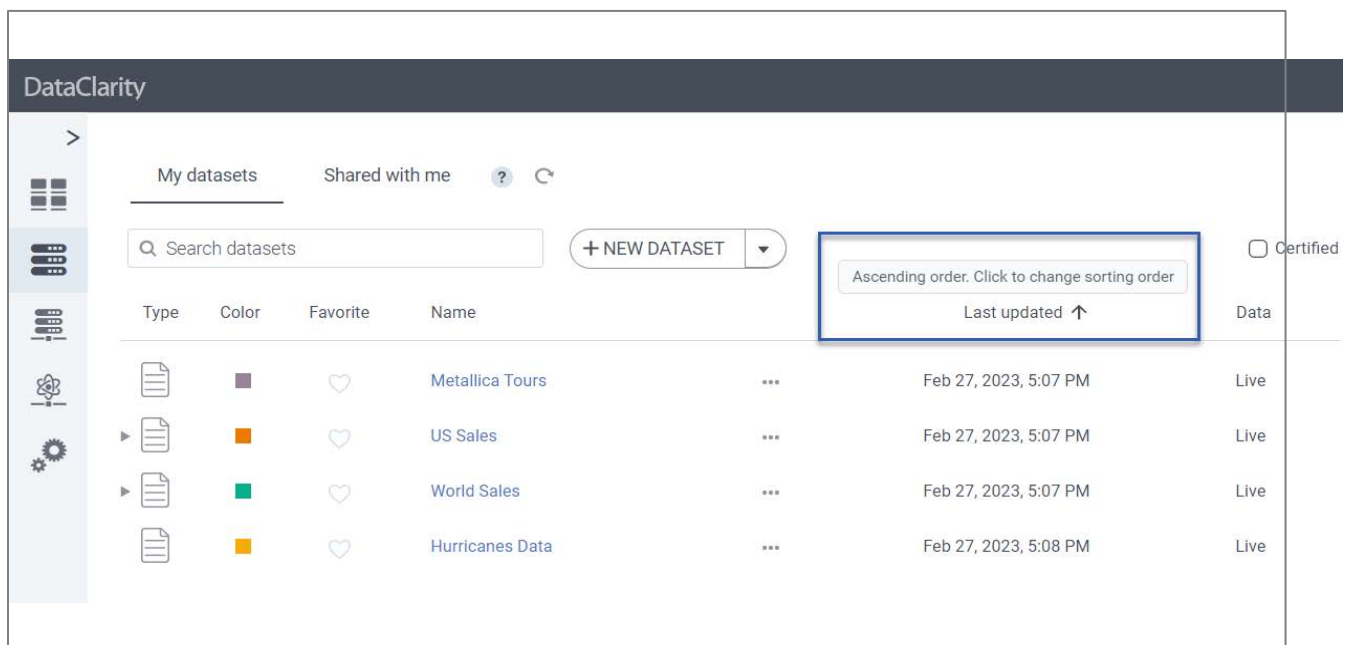
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NEW FEATURES AND IMPROVEMENTS

DATA PREPARATION

View the sorting order for datasets and data connections

Now, you can quickly identify how items are sorted in **List view** for datasets and data connections. After clicking a column header, the arrow identifying either ascending or descending order appears next to header.



The screenshot displays the DataClarity interface. At the top, there is a dark header with the 'DataClarity' logo. Below the header, a navigation bar shows 'My datasets' and 'Shared with me' with a refresh icon. A search bar labeled 'Search datasets' and a '+ NEW DATASET' button are present. A table lists datasets with columns for Type, Color, Favorite, Name, Last updated, and Data. The 'Last updated' header has an upward arrow and a tooltip that reads 'Ascending order. Click to change sorting order'. The table contains four rows of dataset information.

Type	Color	Favorite	Name	Last updated ↑	Data
	■	♡	Metallica Tours	Feb 27, 2023, 5:07 PM	Live
	■	♡	US Sales	Feb 27, 2023, 5:07 PM	Live
	■	♡	World Sales	Feb 27, 2023, 5:07 PM	Live
	■	♡	Hurricanes Data	Feb 27, 2023, 5:08 PM	Live

View data type for all dataset columns

When working on a dataset, you can now view the data type of all columns at once. In **Step 2** of the dataset wizard, click **Detailed view** – in addition to the source column and table, you can also view the **Data type** column for the selected dataset table. Moreover, you can sort data by any column in this view.

The screenshot shows the 'STEP 2 - REFINE' interface in DataClarity. The dataset is 'Sample - US Sales.xlsx'. The selected table is 'Locations'. A table lists columns with their data types highlighted in a blue box:

Type	Name	Source column	Data type ↑	Source table
...	abc	Location ID	INT	Locations
...	🌐	Country	STRING	Locations
...	abc	State Code	STRING	Locations
...	🌐	State	STRING	Locations
...	🌐	Region	STRING	Locations
...	🌐	City	STRING	Locations
...	abc	Manager	STRING	Locations
...	abc	Manager Avatar	STRING	Locations

In **Step 3**, you can now use **Detailed view** to view the data type and data connection for all columns in the dataset at once.

The screenshot shows the 'STEP 3 - JOIN AND PREVIEW' interface in DataClarity. The dataset is 'Sample - World Sales.xlsx'. The 'Data preview' is set to 'Detailed view'. A table lists columns with their data types and data connections highlighted in blue boxes:

Type	Name	Source column ↑	Data type	Source table	Data connection
...	🌐	City	STRING	Locations	Sample - World Sales.xlsx
...	🌐	Country	STRING	Locations	Sample - World Sales.xlsx
...	abc	Department	STRING	Products	Sample - World Sales.xlsx
...	#	Discount	NUMERIC	Sales	Sample - World Sales.xlsx
...	#	Entertainment Cost	NUMERIC	Sales	Sample - World Sales.xlsx
...	#	Gross Sales	NUMERIC	Sales	Sample - World Sales.xlsx

View source table and source column in Cataloging & Lineage

When reviewing a dataset in **Cataloging & Lineage**, the **Columns** tab now also includes the **Source table**, **Source column**, and **Data type** columns to help you track where the data comes from.

DataClarity

> CATALOGING & LINEAGE

Overview Columns Calculations Filters Joins Lineage

Table ↑	Source table	Column	Source column	Role	Data type
▼ Locations (7)	Locations	Country	Country	🌐	STRING
	Locations	State Code	State Code	abc	STRING
	Locations	State	State	🌐	STRING
	Locations	Region	Region	🌐	STRING
	Locations	City	City	🌐	STRING
	Locations	Manager	Manager	abc	STRING
	Locations	Manager Avatar	Manager Avatar	abc	STRING
▼ Products (3)	Products	Department	Department	abc	STRING
	Products	Product Line	Product Line	abc	STRING
	Products	Product Type	Product Type	abc	STRING
▼ Sales (17)	Sales	Sales Date	Sales Date	📅	DATE

Join dataset tables with new cardinality relationships

You can now create datasets with different relationships between the data in two tables. Different cardinality types help you connect the data depending on how the entities relate to each other:

- One to one
- One to many
- Many to one

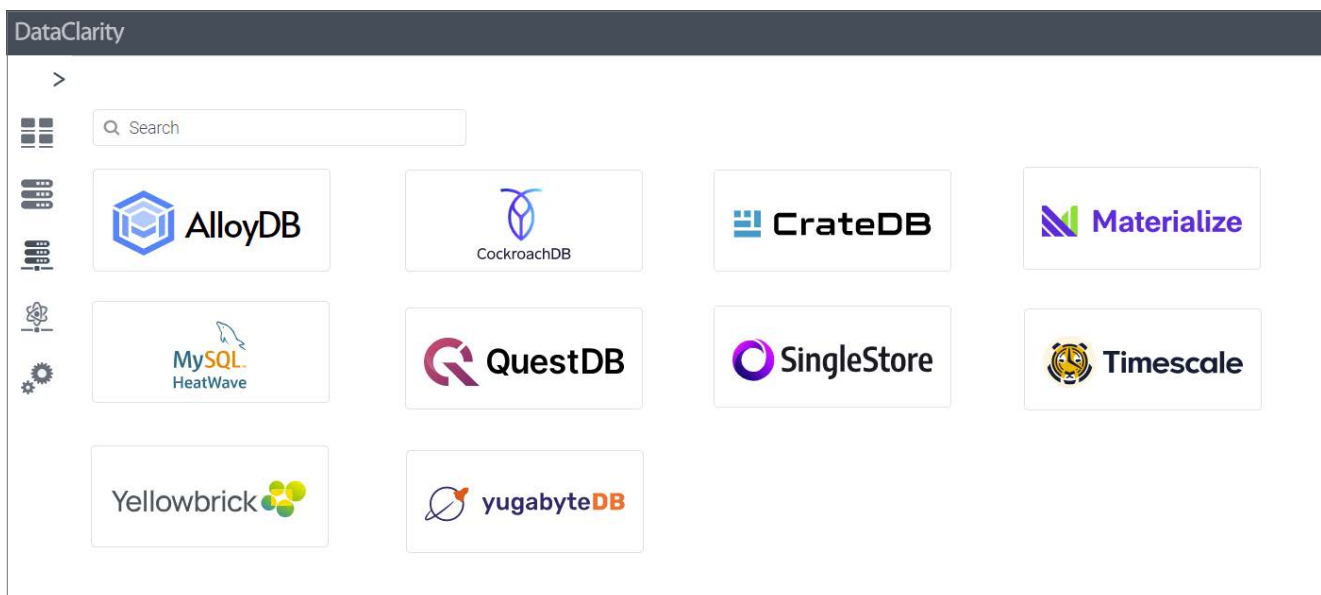
In **Step 3** of the dataset wizard, click **Edit join** and select a cardinality type that better reflects the relationship between the tables. The **One to one** option is selected by default.

The screenshot shows the DataClarity interface at 'STEP 3 - JOIN AND PREVIEW'. On the left, there are 'DATA SOURCES' for 'Locations' and 'Products'. The 'Locations' source includes fields like Location ID, Country, State Code, State, Region, City, Manager, and Manager Avatar. The 'Products' source includes Product ID, Department, Product Line, and Product Type. In the center, a join is established between 'Locations' (Location ID) and 'Products' (Product ID). An 'EDIT JOIN' dialog box is open, showing the same join configuration. The cardinality dropdown menu is open, with 'One to one' selected. The dialog also includes 'CANCEL' and 'OK' buttons.

Create a dataset based on new data connections

Now you can create, cache, and visualize a dataset based on new data sources, which include:

- Google Cloud AlloyDB
- CockroachDB
- CrateDB
- Materialize
- MySQL HeatWave
- QuestDB
- SingleStoreDB
- TimescaleDB
- Yellowbrick Data Warehouse
- YugabyteDB

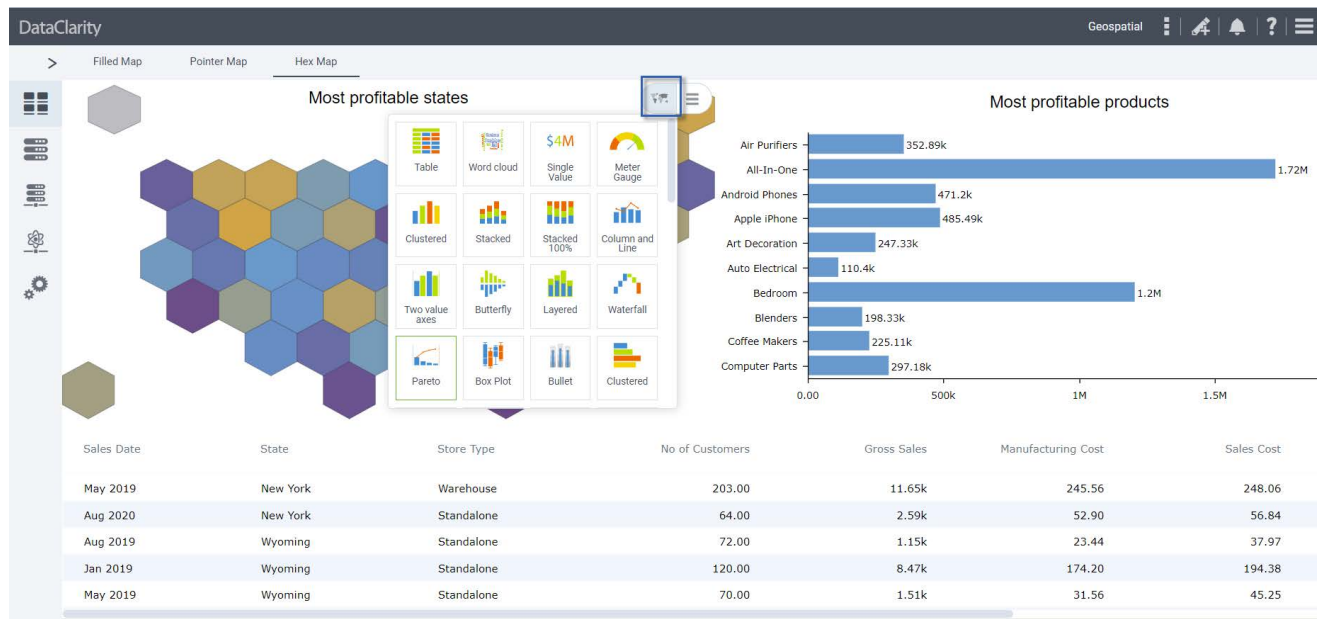


The new data source connections have been added to the data connections list.

STORYBOARDS

Switch charts while viewing a storyboard

Now, you can switch chart type while using storyboard in view and edit modes. To do so, in the upper-right corner of the widget, click the chart icon and select one of the listed visualizations. In storyboard edit mode, you can also quickly change the chart type without going into the widget's settings.



Re-order filters in the Filter widget

You can now quickly re-order filters added in the single **Filter** widget by dragging them to a different position within the pane. The new order is automatically reflected on the visualization, both in view and edit modes.

The screenshot displays the DataClarity interface with a 'FILTERS' widget open. The widget contains a table with the following data:

Name	Dataset	Column	Type
<input checked="" type="checkbox"/> Department	World Sales	Department	Multi Select
<input checked="" type="checkbox"/> Product Line	World Sales	Product Line	Multi Select
<input checked="" type="checkbox"/> Store Type	World Sales	Store Type	Multi Select

The main visualization area shows a line chart for 'Items per Transaction' and a bar chart for 'Disc'. The bar chart data is as follows:

Items per Transaction	Disc
34.00	
35.00	
46.00	
21.00	
22.00	
122.00	
37.00	
128.00	

The right sidebar shows filter categories: Department (Appliances, Automotive, Electronics, Home & Furniture), Product Line (Cell Phones, Computers, Decoration, Floor Care, Furniture, Heating and Cooling, Kitchen & Dining, Kitchen Appliances, Major Appliances, TV & Video, Tools & Equipment), and Store Type (Mall, Standalone, Warehouse).