



DataClarity

WHAT'S NEW AND RELEASE  
NOTES

Release: 2022.6

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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 shows the DataClarity interface with a list of datasets. The 'Last updated' column header is highlighted with a blue box, and a tooltip indicates 'Ascending order. Click to change sorting order' with an upward arrow. The list includes datasets like 'Metallica Tours', 'US Sales', 'World Sales', and 'Hurricanes Data'.

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. It displays recommended joins between 'Sales', 'Locations', 'Products', and 'Store Types' tables. Below, the 'Data preview' section is set to 'Detailed view', showing a table of 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.

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

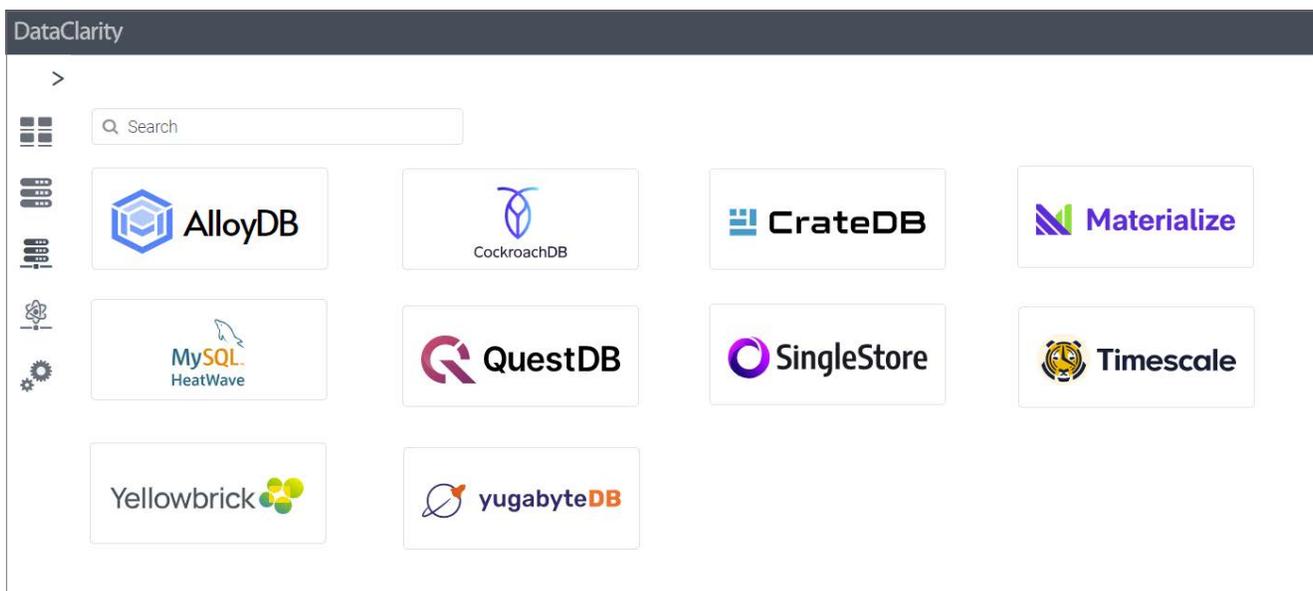
In **Step 3** of the dataset wizard, click **Edit join** and select a cardinality type that better reflects the relationship between the tables. The **One to one** option is selected by default.

The screenshot shows the DataClarity interface at 'STEP 3 - JOIN AND PREVIEW'. On the left, 'DATA SOURCES' lists 'Locations' and 'Products' with their respective fields. The main area shows a join between 'Locations' (Location ID) and 'Products' (Product ID). An 'EDIT JOIN' dialog box is open, showing the same join configuration. The cardinality dropdown is set to 'One to one', and the 'OK' button is highlighted.

## 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

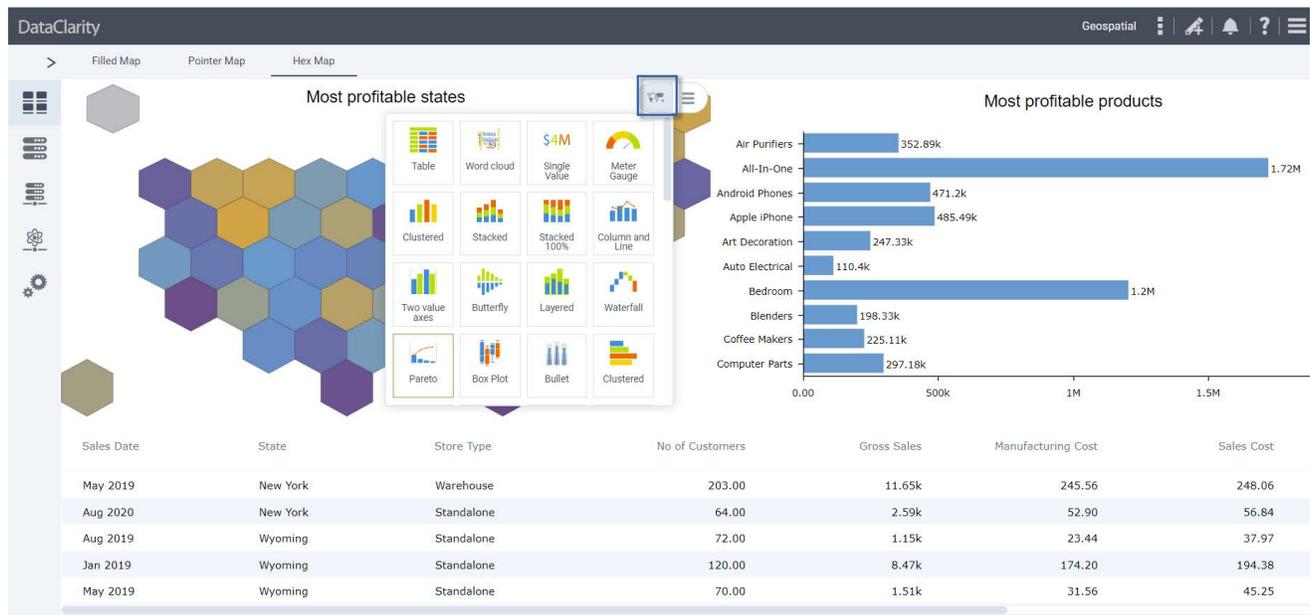


The new data source connections have been added to the data connections list.

## 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 shows the DataClarity interface with a 'Customers Analysis' dashboard. A 'FILTERS' widget is open, displaying a table of active filters. The table is as follows:

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 visualization area shows a line chart for 'Items per Transaction' from Nov 2020 to Jul 2021, and a horizontal bar chart for 'Disc' with values: 34.00, 35.00, 46.00, 21.00, 22.00, 122.00, 37.00, and 128.00. On the right, a filter sidebar lists 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).