



DataClarity

## WHAT'S NEW AND RELEASE NOTES

Release: 2022.3

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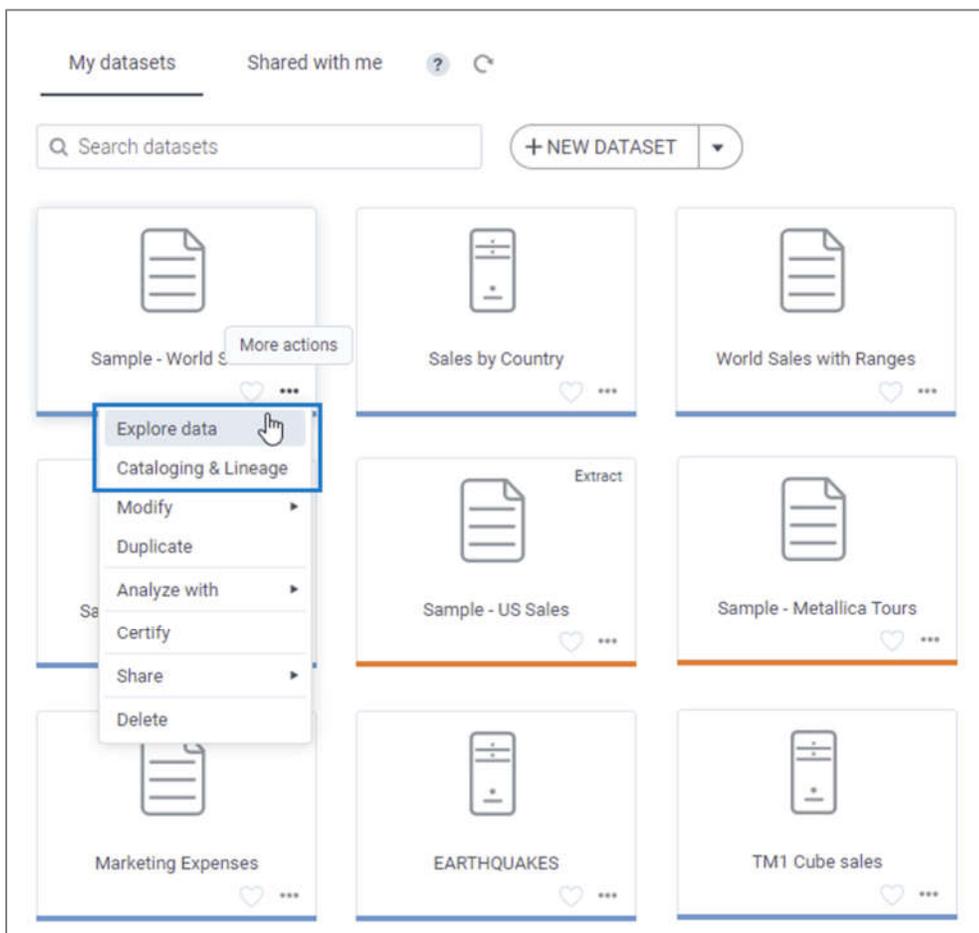
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## NEW FEATURES AND IMPROVEMENTS

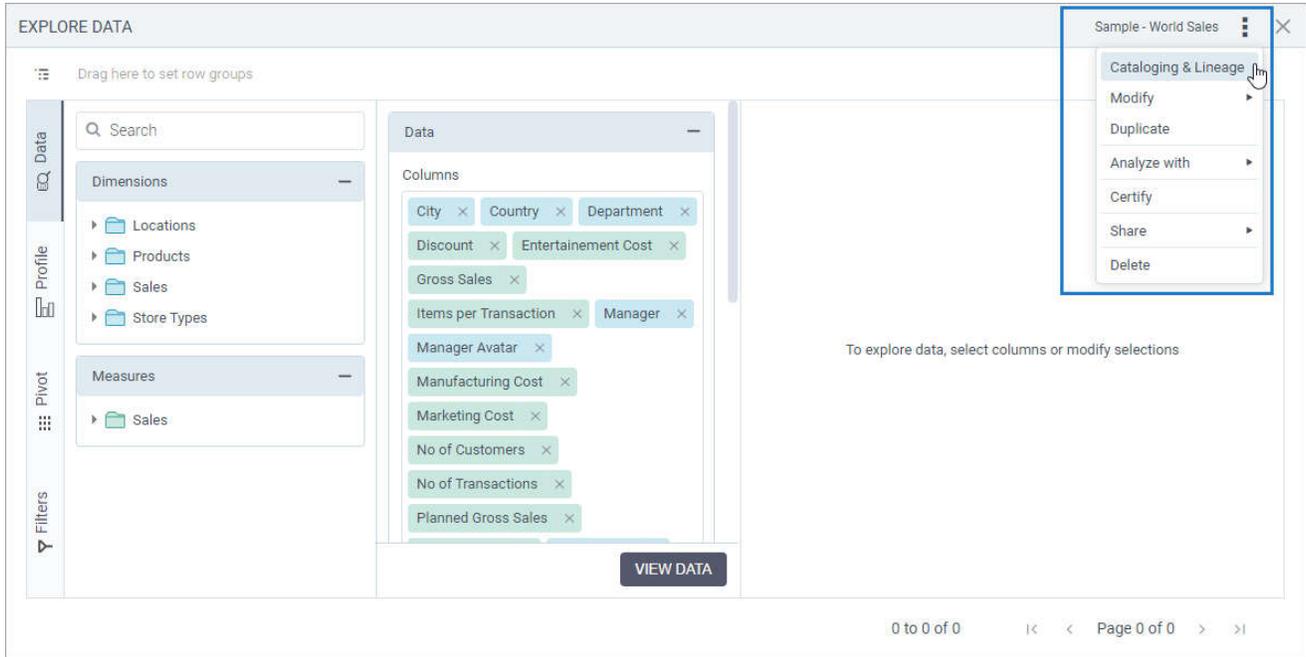
### DATA PREPARATION

#### *Explore data in a dataset*

The dataset's data exploration has been moved to a dedicated window where you can focus on experimenting with data—explore a dataset in a table view, apply pivoting, filtering, and profiling techniques to uncover patterns and characteristics of the dataset. To analyze data in a dataset, point to **More actions** on the dataset tile and select **Explore data**.



You can also easily navigate to the dataset cataloging pages and perform any of the available actions—use the new dataset actions menu in the upper-right corner of the **Explore data** window next to the dataset name.



## Dataset's cataloging and lineage

The dataset explorer has been renamed to **Cataloging & lineage**, where you can focus on cataloging and curating a dataset. In addition, the dataset overview card now includes the **ID** field, where you can track the unique identifier of the dataset to reference it in restAPI calls.

CATALOGING & LINEAGE
Sample - World Sales ⋮ ✕

Overview
Columns
Calculations
Filters
Joins
Lineage

---

**Id**  
16442401487270096

**Name**  
Sales Dataset

**Description**  
Daily Sales dataset. Includes data from the Enterprise Warehouse. Data is updated every day at 8:00 am east time. Provides support for product and customer analysis, sales profitability and sales forecast.

**Tags**

clustering and segmentation
customers analysis

enterprise sales
product analysis

**Security filters**

🔒 This dataset has row-level security applied

**Last updated**  
September 9, 2020, 4:14:32 PM by **George Becker**

**Endorsement**

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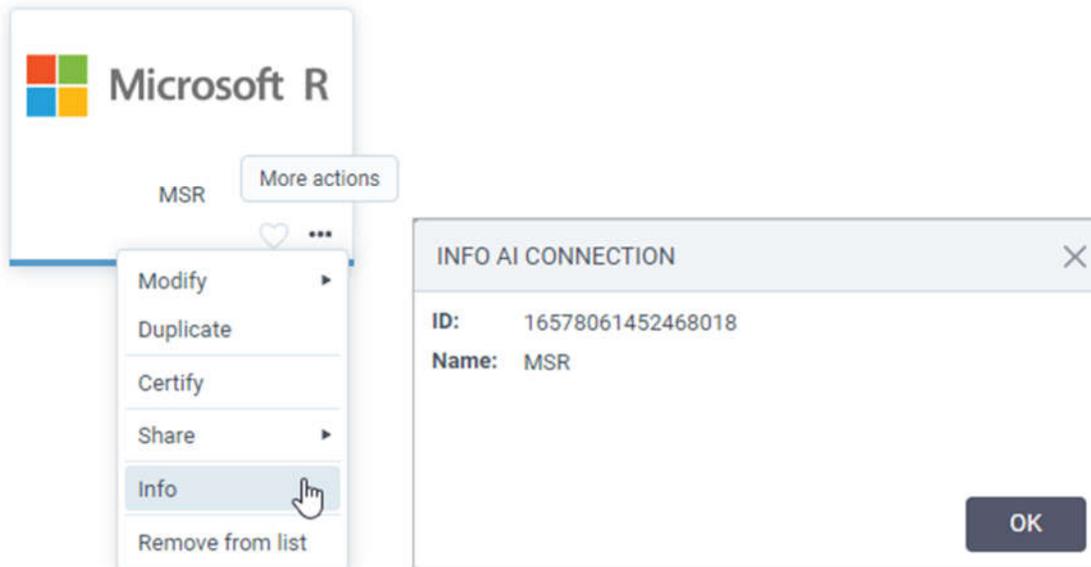
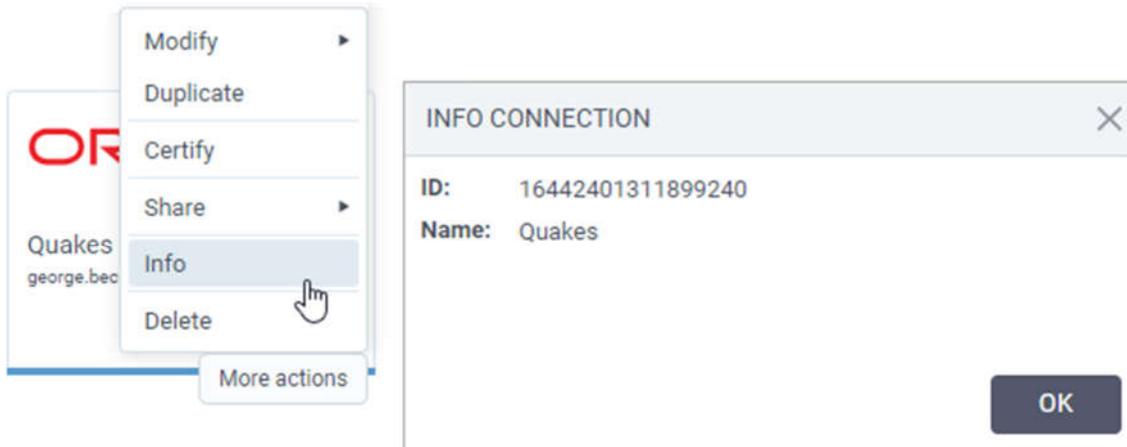
**Total usage**  
678

The data exploration part has been moved to the dedicated window, where you can use a table view, apply pivoting, filtering, and profiling techniques to uncover patterns and characteristics of the dataset. To navigate to the data exploration, point to **More actions** in the upper-right corner, and select **Explore data**.

The screenshot displays the 'CATALOGING & LINEAGE' window in the DataClarity application. The window has a title bar 'Sample - World Sales' and a close button. Below the title bar, there are tabs for 'Overview', 'Columns', 'Calculations', 'Filters', 'Joins', and 'Lineage'. The 'Joins' tab is currently selected. The main content area shows a diagram of data joins. It states: 'The dataset has the following joins, where each color represents a data source table. Point to a table name to view its data source name and the original table name.' Below this text, there are three join relationships, each represented by a horizontal bar with a circle in the middle. The first join connects 'Sales' (blue bar) to 'Products' (purple bar) via 'Product ID'. The second join connects 'Sales' (blue bar) to 'Locations' (teal bar) via 'Location ID'. The third join connects 'Sales' (blue bar) to 'Store Types' (orange bar) via 'Store Type ID'. On the right side of the window, a 'More actions' menu is open, listing options: 'Explore data', 'Modify', 'Duplicate', 'Analyze with', 'Certify', 'Share', and 'Delete'. A mouse cursor is hovering over the 'Explore data' option.

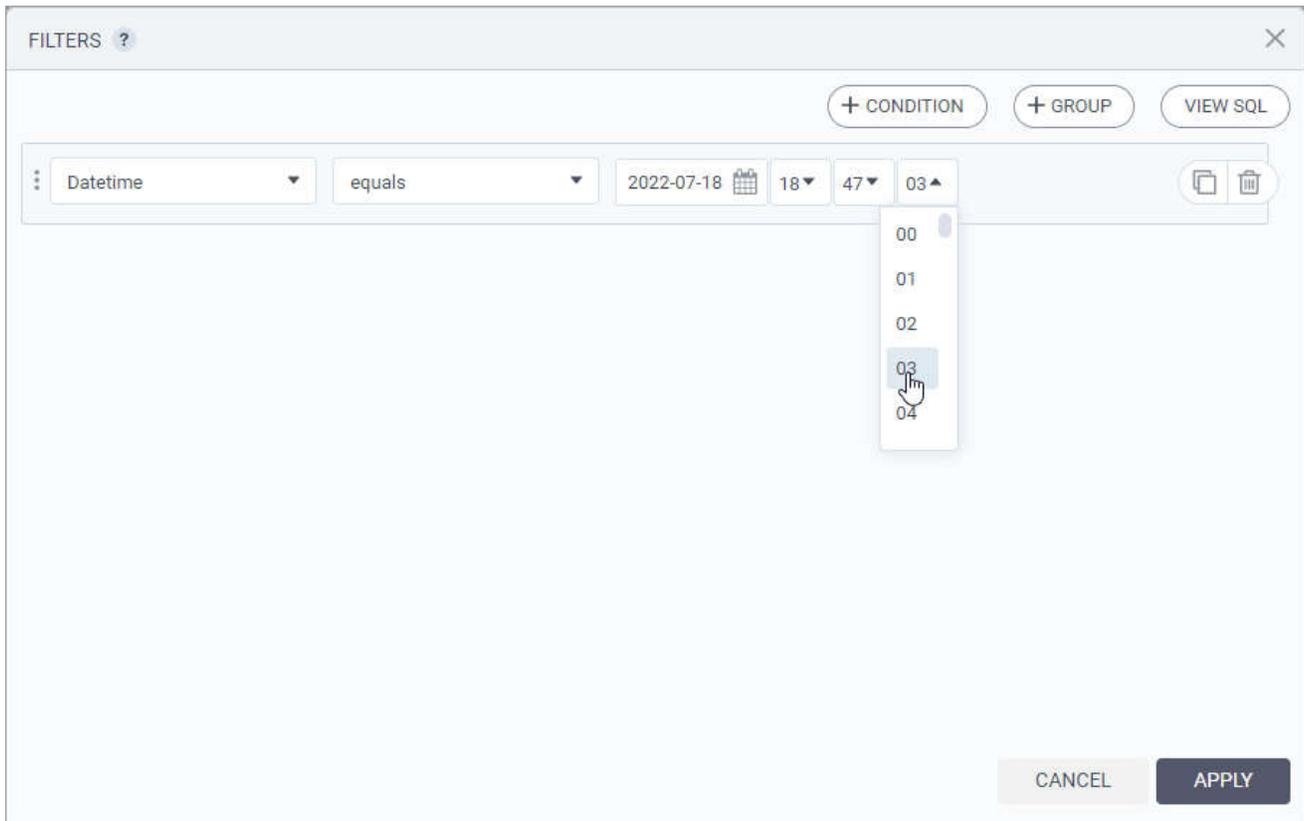
## View IDs of data connections and AI connections

Now, you can easily track the unique identifiers of your data connections and AI connections and reference these objects in restAPI calls you might use. To view the ID of a data connection or AI connection, for the corresponding object, go to **More actions**, and select **Info**.



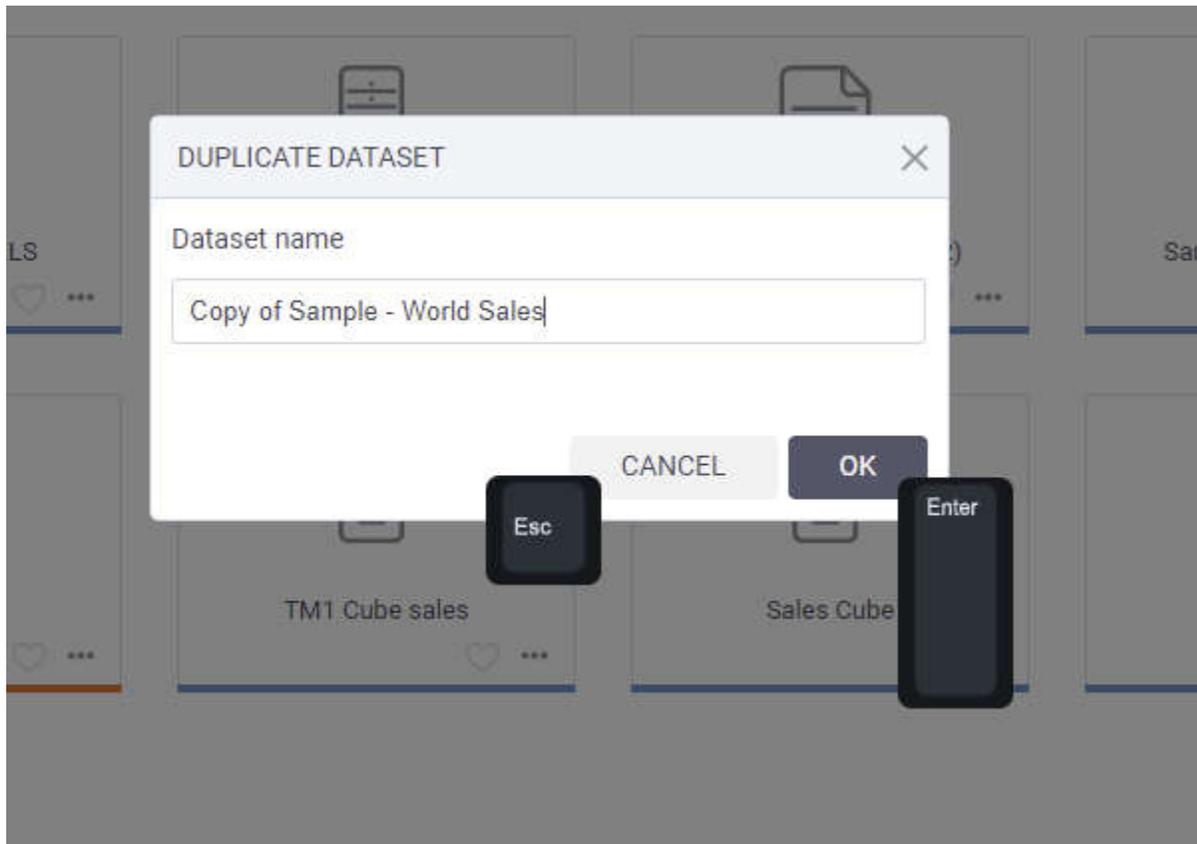
## Specify seconds for filtering time columns

Previously, some filter conditions did not include “seconds” and you could not filter columns with precise time. Now, when adding a filter with the operators like “equals to” and “doesn’t equal”, you can select a value for seconds in the respective dropdown.



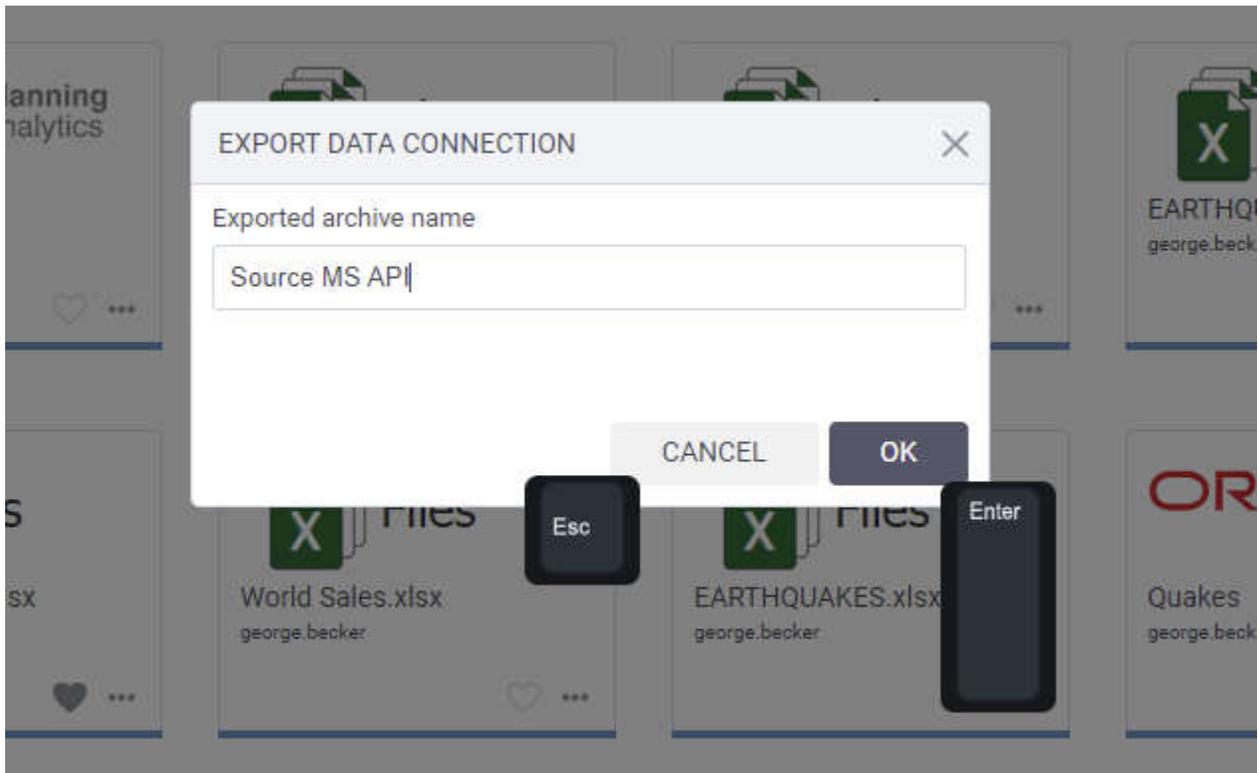
## Keyboard shortcuts for working with datasets

You can now use keyboard shortcuts to expedite common operations with datasets. When renaming, duplicating, and exporting a dataset, press the **Enter** key to complete the action and the **Esc** key to cancel the action.



## Keyboard shortcuts for working with data connections and AI connections

You can now use keyboard shortcuts to expedite common operations with data connections and AI connections. When duplicating or exporting a connection, press the **Enter** key to complete the action and the **Esc** key to cancel the action.



### Specify the max time for query execution for Cognos data sources

Previously, the maximum query execution time for all Cognos packages was set to 30 seconds. This time has been extended to 1 minute to avoid timeouts for larger packages. Moreover, for complex packages requiring a longer time to return a query, you can now use the parameter called “maxQueryExecutionTime” that is supported starting from this release. To do so, enter the parameter and the time for the query execution in the **Options** field when creating a Cognos package data source connection.

The screenshot shows the 'COGNOS' configuration window in IBM Cognos Analytics. The window has two tabs: 'Connection details' (selected) and 'Caching'. The 'Connection details' tab contains the following fields:

- URL: `http://11.17.19.223:9300/bi/v1/disp`
- Namespace: `dataclarity`
- Username: `user01`
- Password: `.....`
- Package: `/content/folder[@name='Cognos Metadata']/folde` (with a 'Browse' button)
- Options: `&maxQueryExecutionTime=` (highlighted with a blue border)
- Ask user for credentials: `off` (with a radio button)
- Connection name: `Cognos`

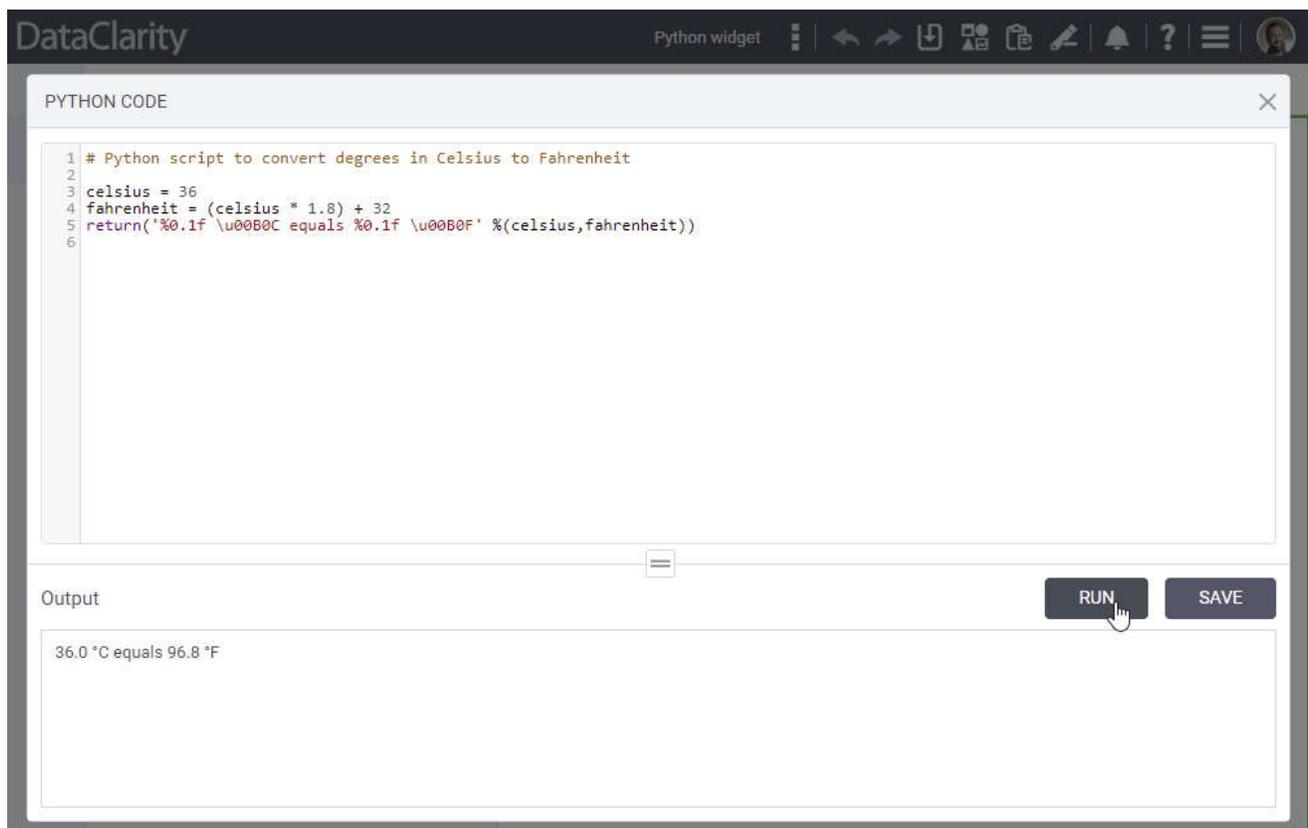
On the right side of the window, there is a 'Test your connection' section with the following text: 'After you fill in the data connection details, test your connection. If something goes wrong, an error message will be displayed.' At the bottom of the window, there are two buttons: 'SAVE' and 'TEST CONNECTION'.

## STORYBOARDS

### *Code editor improvements in Python widget*

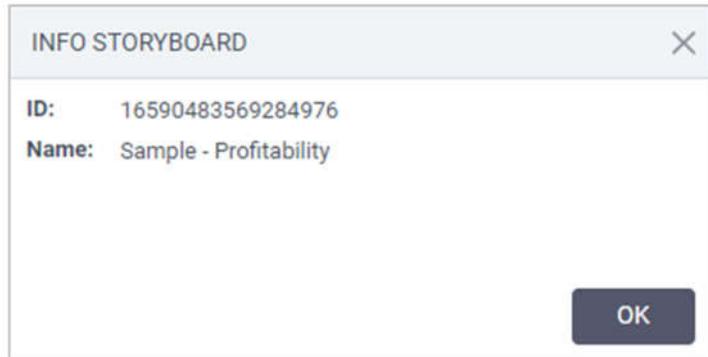
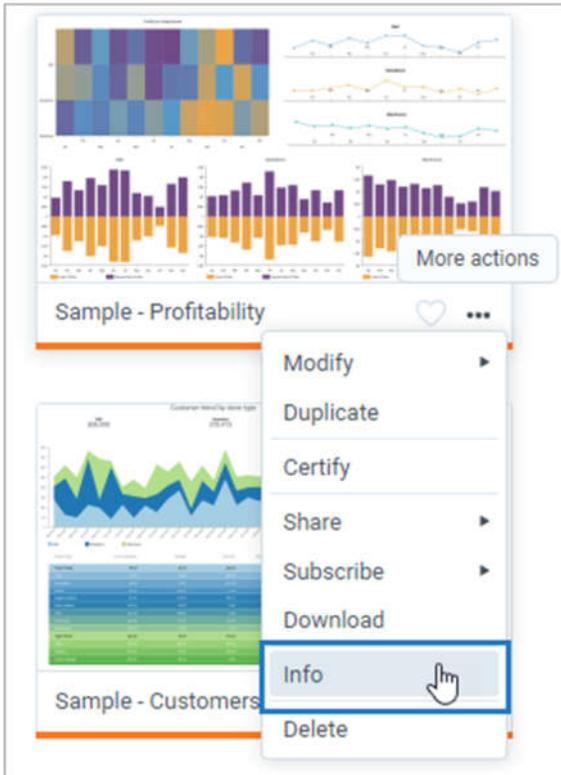
The Python widget's code editor has been enhanced to help you better manage Python code that you add in DataClarity:

- Increased size of the **Python code** window helps you better manage large pieces of code.
- Line numbering is now available in the code editor pane.
- The **Python code** window includes the **Output** pane—you can preview the code results directly in the editor without leaving the window.
- You can resize sections for the code editor and for preview by dragging the line separating the two sections of the window.



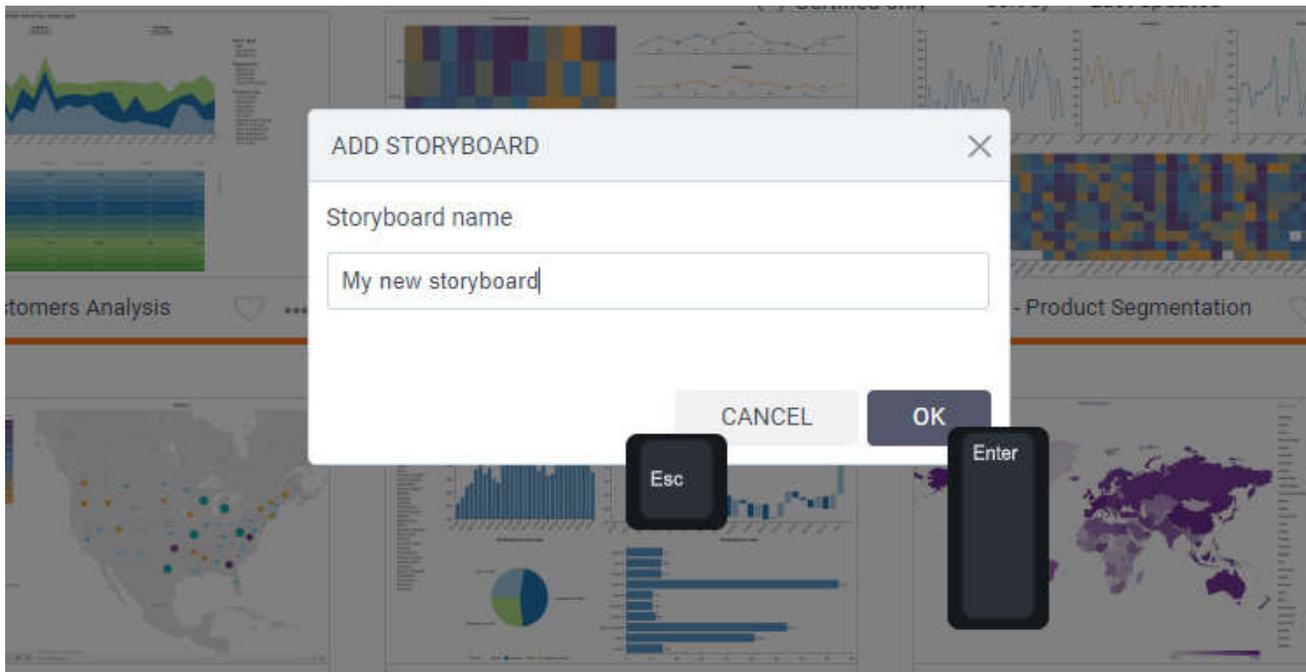
## View storyboard ID

Now, you can easily track the unique identifiers of your storyboards. This might be useful for referencing storyboards in restAPI calls or when creating a process to automate storyboard publishing. To view the ID of a storyboard, go to **More actions**, and select **Info**.



### Keyboard shortcuts for working with storyboards

You can now use keyboard shortcuts to expedite common operations with storyboards. When adding, renaming, duplicating, and exporting a storyboard, press the **Enter** key to complete the action and the **Esc** key to cancel the action.



## QUERY ENGINE

### Monitor the Data Engine queries

Now, administrators can monitor and troubleshoot data query execution by using a dedicated web interface, namely:

- Monitor overall health and resources consumptions
- View history of queries, including execution plan and time
- Execute data queries to existing sources to test, troubleshoot, and validate data
- View the detailed logs

The screenshot shows the DataClarity Query Engine interface. At the top, there is a navigation bar with links for 'Query editor', 'History', 'Metrics', and 'Logs', along with a 'Log Out (admin)' button. Below the navigation bar, a light blue banner indicates 'No running queries.' with a close button. The main section is titled 'Completed Queries' and includes a search bar, a 'Loaded 100 queries' indicator, and buttons for 'Reload' and 'View'. A 'Display 10 queries per page' dropdown is also present. The core of the interface is a table with columns for Time, User, Query, State, Duration, and Foreman. The table contains five rows of query execution data, including successful and failed queries with their respective SQL statements and execution details.

Time	User	Query	State	Duration	Foreman
08/04/2022 18:00:29	admin	CREATE TABLE dfs.datasets.`/dataclarity/16179623749957290/16179628173425850/1659636029530` AS SELECT tbl1.`Sales Date` AS `col0`, tbl1.`Store Type ID`	Succeeded	0.284 sec	query-engine-7cfc8bc666-tntmb
08/04/2022 18:00:29	admin	CREATE TABLE dfs.datasets.`/alpha/16149283378029158/1659636029089` AS SELECT tbl1.`[Sales Orders].[Location].[Location].[Country]` AS `col0`, tbl1.`[S	Failed	0.319 sec	query-engine-7cfc8bc666-tntmb
08/04/2022 18:00:06	admin	CREATE TABLE dfs.datasets.`/alpha/16153961465430330/1659636006108` AS SELECT tbl1.`Country` AS `col0`, tbl1.`State` AS `col1`, tbl1.`City` AS `col2`,	Succeeded	22.842 sec	query-engine-7cfc8bc666-tntmb
08/04/2022 18:00:05	admin	CREATE TABLE dfs.datasets.`/alpha/16155587223510420/1659636005139` AS SELECT tbl1.`[Automation_Test_TRSFMR_Cube].[Location].[Location].[Country]` AS `	Succeeded	0.808 sec	query-engine-7cfc8bc666-tntmb
08/04/2022 18:00:04	admin	CREATE TABLE dfs.datasets.`/dataclarity/16124508133743284/16124508494692036/1659636004593` AS SELECT tbl1.`[Sales Orders].[Location].[Location].[Count	Failed	0.371 sec	query-engine-7cfc8bc666-tntmb

## INSTALLATION & CONFIGURATION

### *Installation script improvements*

The installation scripts have been improved to streamline the installation process by providing additional guidelines for each step. Moreover, you can preview the token information at the end the installation and use the home page link to quickly navigate to the installed DataClarity platform.

```
deployment "config-manager" successfully rolled out
Waiting for deployment "data-preparation" rollout to finish: 0 of 1 updated replicas are available...
deployment "data-preparation" successfully rolled out
deployment "documentation" successfully rolled out
deployment "scheduler" successfully rolled out
deployment "screenshot-engine" successfully rolled out
Waiting for deployment "storyboards" rollout to finish: 0 of 1 updated replicas are available...
deployment "storyboards" successfully rolled out
deployment "ui" successfully rolled out
Waiting for deployment "user-access" rollout to finish: 0 of 1 updated replicas are available...
deployment "user-access" successfully rolled out

Installation successful.

Kubernetes dashboard access token:
eyJhbGciOiJIUzI1NiIsInR5cCI6IkpzZW50L3R5cyJ9.eyJpdiI6ImtpZCI6ImlpbnVWJ2RFRk0VZLXzJzNXRwb01YelZKNWFxd2xsQ1FFV3Y1emFoUG9tYlEifQ.eyJpc3MiOiJrdWJlcm51
2VhY2NvdW50Iiwia3ViZXJuZXRlcy5pby9zZXJ2aWVudC9uYmV1c3RlbnR1b3QiOiJrdWJlXN5c3RlbnR1b3QiImt1YmVybmV0ZXMuaW8vc2Yy
5z3oG7_oyrn70vpe1cZJc1XHjTzBMfiAW2ud1Vq1Iw

To access DataClarity home page go to this URL: https://15.15.15.205/home
Default credentials for admin user are jB3Vu/jb3Vu

Go to https://support.dataclaritycorp.com to learn more about the platform and read the how-to guidelines.
```