

Monitoring Dashboard Performance

Date published: 2020-10-30

Date modified: 2024-05-30

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Showing usage information

Cloudera Data Visualization helps you debug your dashboard performance by providing detailed statistics on the rendering and querying operations of the visuals.

Before you begin

You have enabled the following settings in **Site Settings** **Debugging** :

- ☐ Verbose Error Reporting. Display Javascript page errors on screen in app view/edit pages
- ☒ Enable the "Show Usage Info" and Ctrl-Shift-G shortcut to view page profiles within all pages
- ☒ Additionally enable the Ctrl-Shift-G shortcut to view page profiles within dashboard/app view pages

For more information, see *Debugging and Logs* in Site Settings.

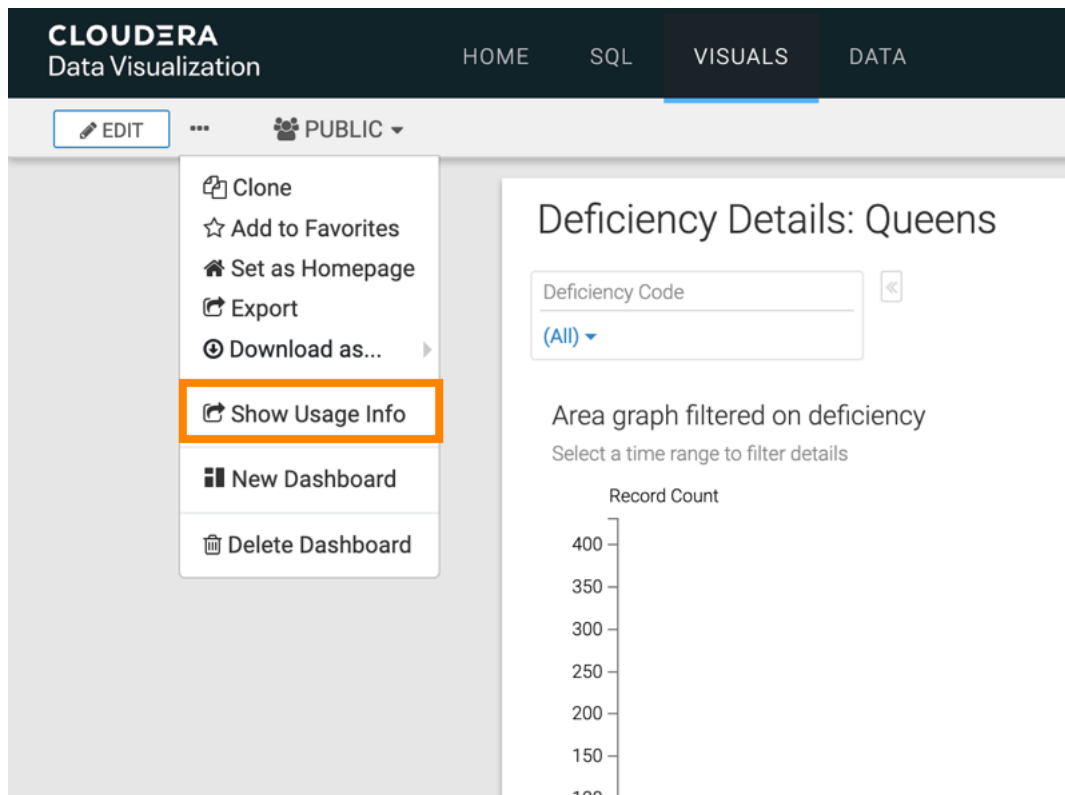


Note: The Site Settings menu is only available to users with administrative privileges.

Procedure

1. Open an existing dashboard.

2. In the Dashboard Designer top menu bar, click the (ellipsis) icon and select Show Usage Info. Alternatively, you can use the keyboard shortcut Shift + Control + G to open the modal.



The Profile Data modal window is displayed.

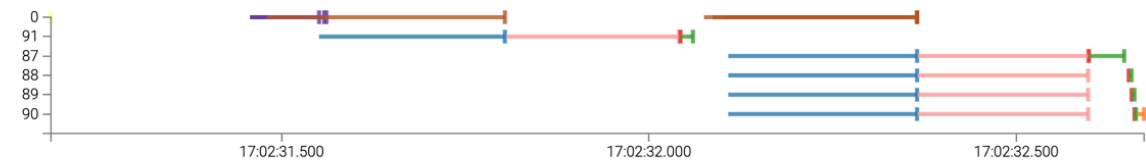
Profile Data



- Profile
- Current Load
- Counters
- Layout
- Queries
- Historical Logs
- Clone Info

DOWNLOAD PROFILES

QUERY EXECUTION BY VISUAL ID (drag to select area to zoom in)



QUERY DETAIL

Time ↕	ID ↕	Type ↕	Duration (seconds) ↕	Detail ↕
2022-11-17T16:02:31.186Z	0	startup	0	
2022-11-17T16:02:31.551Z	0	staticfetch	0.094	url /arc/datasets/da
2022-11-17T16:02:31.558Z	0	staticfetch	0.1	url /arc/reports/re
2022-11-17T16:02:31.561Z	0	staticfetch	0.104	url /arc/date
2022-11-17T16:02:31.804Z	0	QueryRun	0.324	
2022-11-17T16:02:31.804Z	91	Query	0.253	start 2022-11-17 name json querytracker 94-1 runner.create runner.start build.start dataset request 'sum(1) as 'Record Count''},\"ksqlStreamPosition\":\"\",d build.complete query

< 1 2 3 4 >

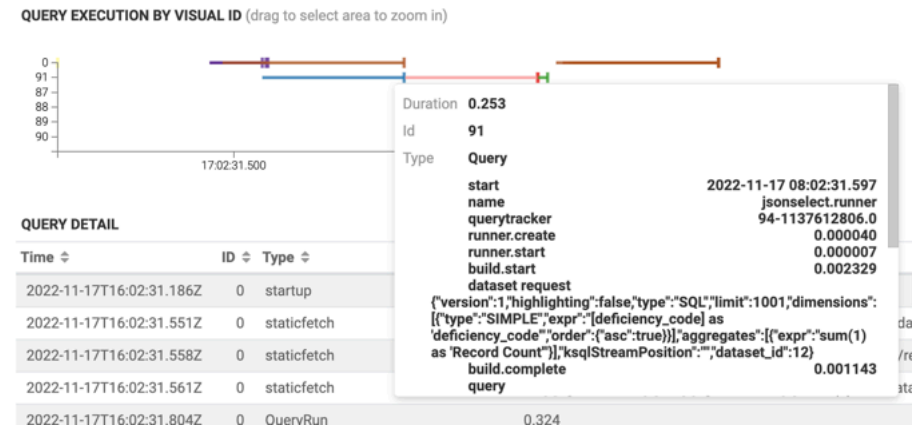
DONE

3. You can view the following information on the Profile Data interface:

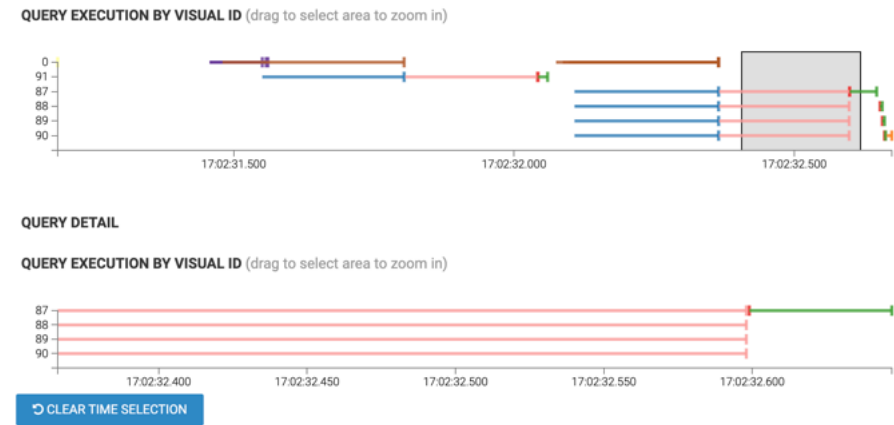
Profile tab

- Download profiles – Click it to download the performance profile of your dashboard as a text file and save it to your local system.
- Query execution by visual ID – You can use this visual to check the timeline of each operation.

Hover over one of the time segment lines that represent either the visual, or additional tasks. The tooltip shows the Duration, ID, Type, Detail, and Error statistics.



- The ID of the visual is ‘91’ in the above image. This is the stand-in ID for ancillary tasks Data Visualization performs when building a dashboard.
- You can hover over a line that represents a visual ID (in the above example ‘91’), and view the duration, type, and details of the query performed on that visual.
- To zoom in on a particular time segment, drag to select the area. You can now drill down to the details of this time selection. Click Clear Time Selection to return to the original view. In the following example 17:02:32.500 is selected.



- Query detail – This section shows statistics of all the visuals and queries in a table.
 - Time shows the time when the query operation started.
 - ID shows the ID of the visual.
 - Type shows the query type: startup, set data result, draw visual, or table rows processed.
 - Duration shows the query execution time, in seconds.
 - Detail shows the syntax of the query.
 - Error shows any errors that occurred during query execution.

Current Load tab

You can see a summary of active and pending queries. You can also manage your queries: refresh the queries, cancel all your queries, or download the query data.

Counters tab

- Rendering Engine – The table shows real-time statistics for rendering operations on all visuals of the dashboard:
 - Average Render Time
 - Total Render Time
 - Render Count
 - Maximum Render Time
- Query Engine – The table shows real-time statistics on the query operations:
 - Average Query Time
 - Total Query Time
 - Query Count
 - Maximum Query Time
 - Total Result Rows

Layout tab

- Datasets – It shows you the ID of the datasets used on the dashboard.
- Page layout – The widgets show you how the visuals are arranged on the dashboard and which datasets are used.
- Top left color squares represent datasets.

Queries tab

You can see a list of queries. You can download the query data as a CSV file and save it to your local system.

This section shows the following for each query that was initiated from the dashboard:

- Time shows the time when the query operation started.
- Dataset shows the ID of the dataset.
- Visual shows the ID of the visual.
- Runtime shows the query execution time in seconds.
- Query shows the syntax of the query. Hovering on the information icon will show this data in a formatted manner where it can be copied to clipboard.

Historical Logs tab

Historical Logs show the list view for activities on this dashboard. For more information, see *Activity Log*.

Clone Info tab

Clone Info provides information about the clones of the dashboard. The table on the left shows the ancestor chain, and the table on the right shows the immediate children of the dashboard.

4. Click DONE to exit the performance Profile Data interface and return to your dashboard.

Related Information

[Debugging and Logs in Site Settings](#)

[Activity Log](#)