



REAL BI USER GUID

HPCC Systems Solutions Lab

Abstract

Step by step walkthrough of how to setup and use Real BI.

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Introduction

Real-BI is a set of prebuilt tools for business intelligence to support HPCC without needing any third party tools.

Additional layers and tools are always expensive to implement and even more expensive to support and learn. Especially if data movement from one layer to the other is required, introducing a new level of obscure abstraction that creates a significant security and maintenance risk. The purpose of Real BI is to empower HPCC developers to be able to shape the data and visualize it in an extremely agile manner.

Environment

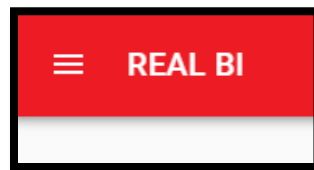
Currently Real BI is located at: <http://realbi-ga.eastus.cloudapp.azure.com/>

Login

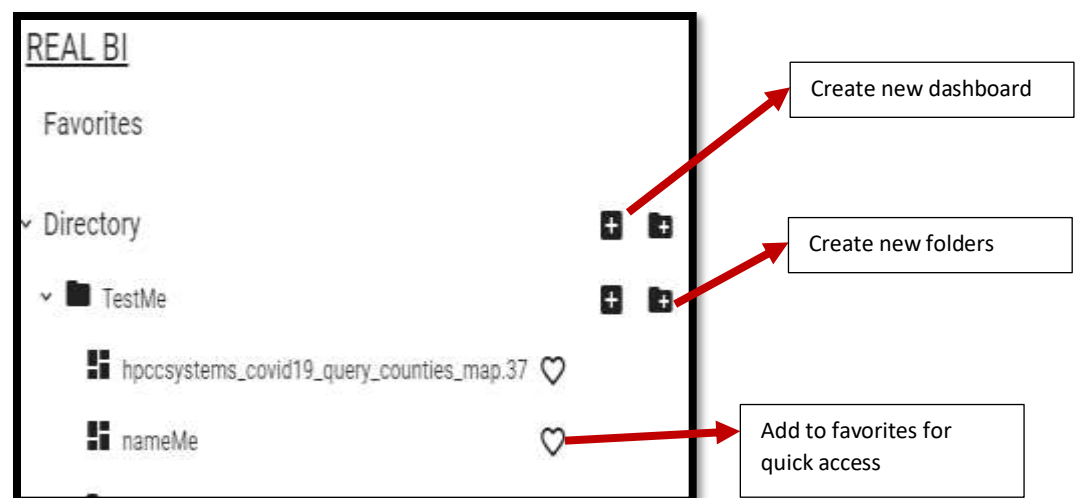
If you already don't have a login credential please contact Real BI team.

Create Dashboard

Click on three horizontal bar on the upper left hand side to have access to your folders, files, and all the other setups.



After opening the Real BI tab you have access to creating new folders, subfolders, and creating new dashboards



Create folder

Start by creating a new folder.

A dialog box titled "New Folder" with a text input field labeled "Folder Name" and two buttons at the bottom: "CANCEL" and "CREATE".

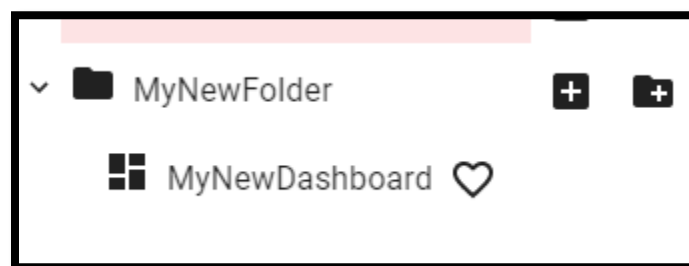
Create dashboard

Click on create dashboard shown in above picture.

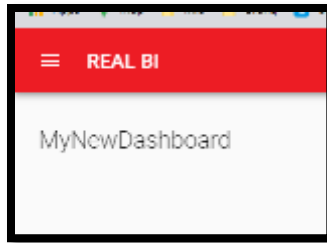
- HPCC Cluster: select your cluster from the dropdown menu.
- Dashboard Name: Name your dashboard please.

A dialog box titled "New Dashboard" with a dropdown menu labeled "HPCC Cluster" showing "HPCC COVID-19 (http://40.71.7.106:8010)" and a text input field labeled "Dashboard Name" containing "MyNewDashboard". There are "CANCEL" and "CREATE" buttons at the bottom.

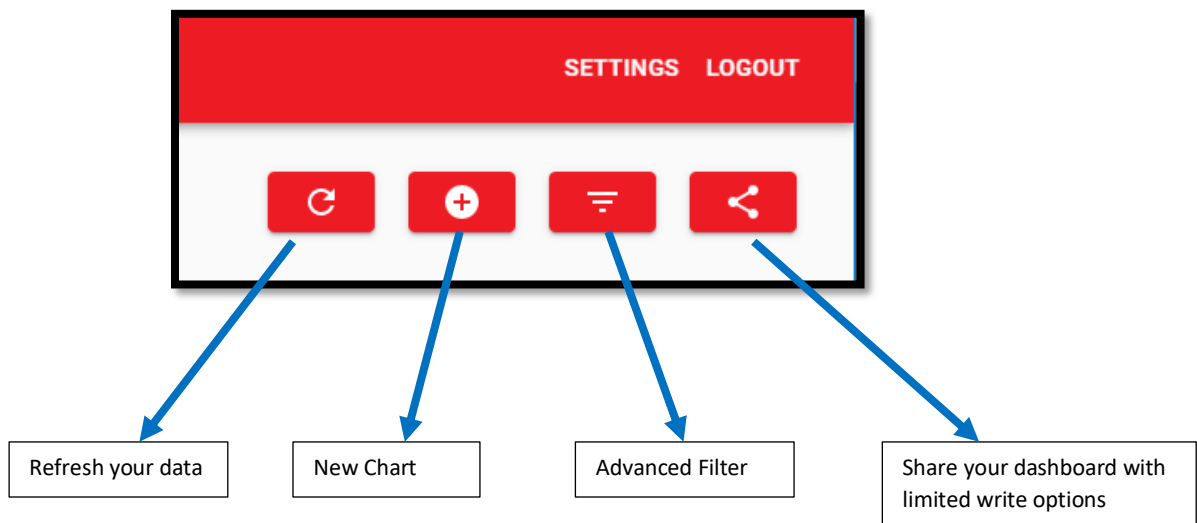
Once you click "Create" your new dashboard will be displayed on the right side bar.



Select the dashboard you just created and side bar will disappear. You will see a blank page with your dashboard name populated on upper left hand side.



Dashboard Options

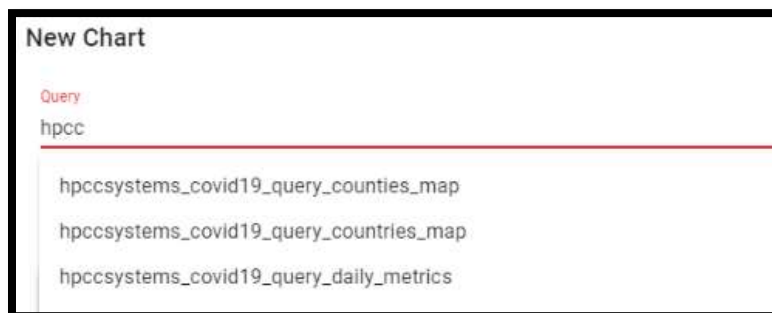


New Chart

To create a new chart click on the plus sign on the upper right-hand side.

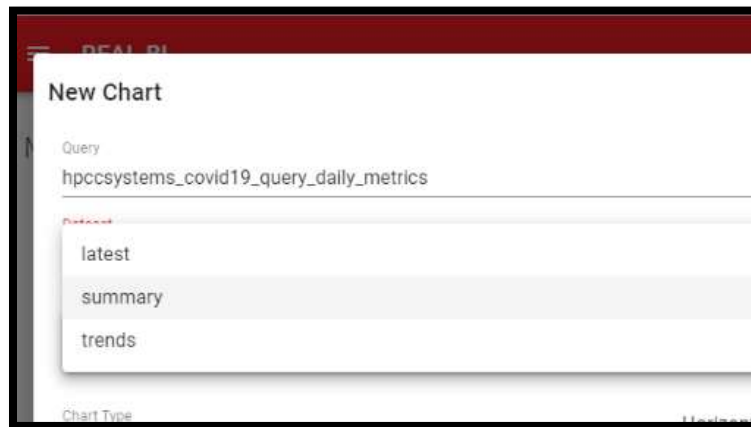
Query

Start typing name of the query name you want to use for your chart. Make sure you select the active query and not worry about version number.



Dataset

Once you have query name populated, select the dataset (output from the query) you want your chart to be based on.



General

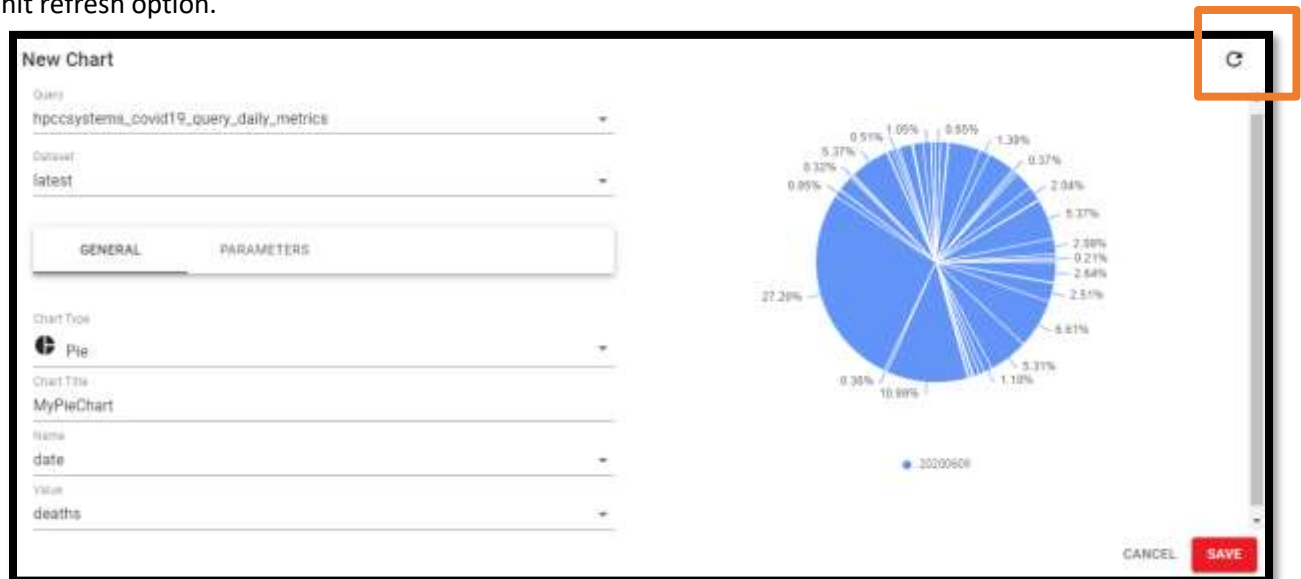
Chart Type

Select your chart type from the drop down menu, currently you have four chart type to select from (bar, line, pie, and table).

Chart Values

Name your chart accordingly and select the values you want your chart to be based on from dropdowns.

Click the “refresh” option on the upper right-hand side to preview your chart. You can change the chart types to select the best graph for your work. Just change the chart type and its values accordingly and hit refresh option.





Parameter

The three parameter that query accepts to filter data by it.

The 'PARAMETERS' tab shows the following parameters:

- locationfilter:** string, Value: activeTotal
- topx:** number, Value: 1000
- typefilter:** string, Value: String

Group By

Gives group by option for a field.

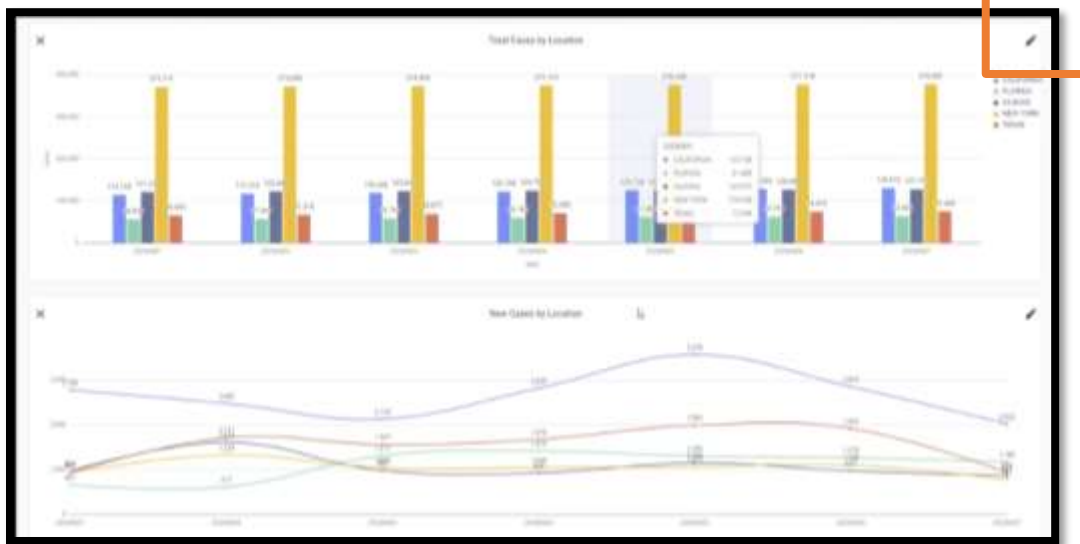
The 'GROUP BY' tab shows the following settings:

- Group Field:** cases_max
- Stacked:** (Unchecked)

Notes

- You can add multiple charts from different queries and datasets to your dashboard.
- Also, your dashboard will always capture the latest data from the query. But if there is a new version number for your query, user needs to rebuild the dashboards.

- Once a chart is created, “Edit” option on the upper right-hand of the chart can be used to edit the chart values.



Tie Dashboards Together

Click filter option on the upper right corner. Fill in the options to tie them together.

