

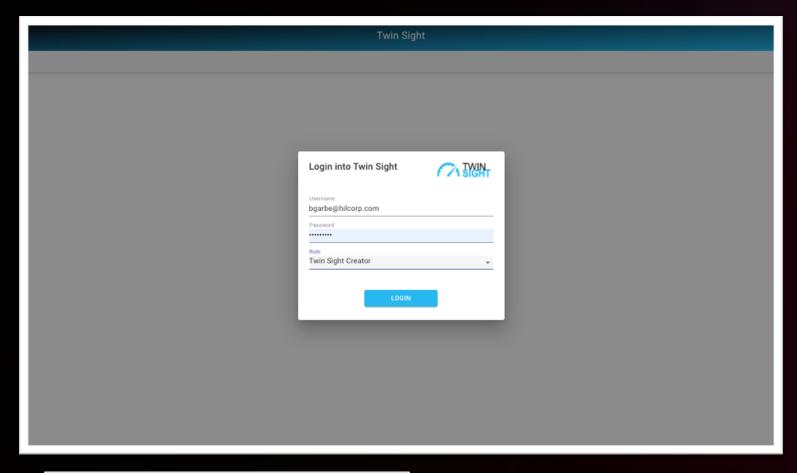


Twin Sight Operational Dashboard Builder

Enable Industrial Corporations to create use-case driven, asset model based dashboards leverage legacy, standard and big data/ml data sources:

- Use multiple data sources to create single sources of truth
- Create use case specific dashboard
- Standardize dashboards across company
- Include significant assets/attributes/trends
- Build, save, & deploy custom dashboards

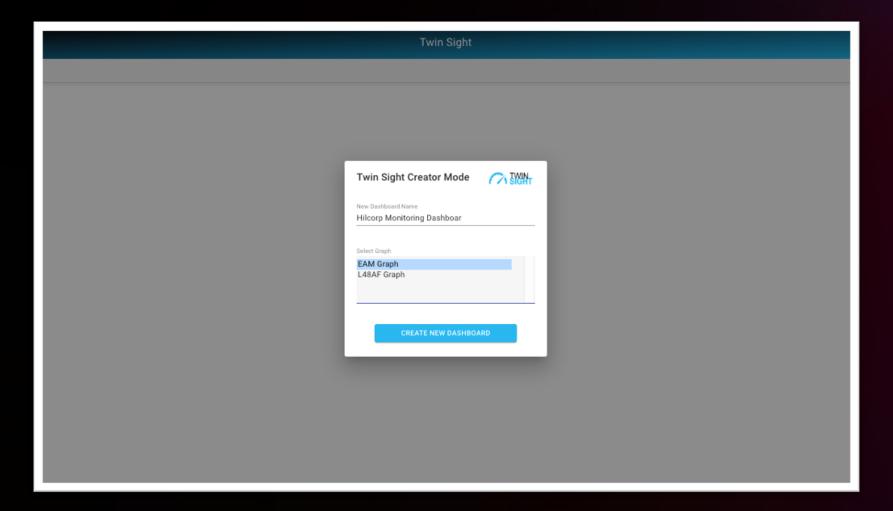
Logging into Twin Sight



Garbe	bgarbe@hilcorp.com
Hall	mahall@hilcorp.com
Zarivnyy	ozarivnyy@hilcorp.com
Hanson	rhanson@hilcorp.com
	Hall Zarivnyy

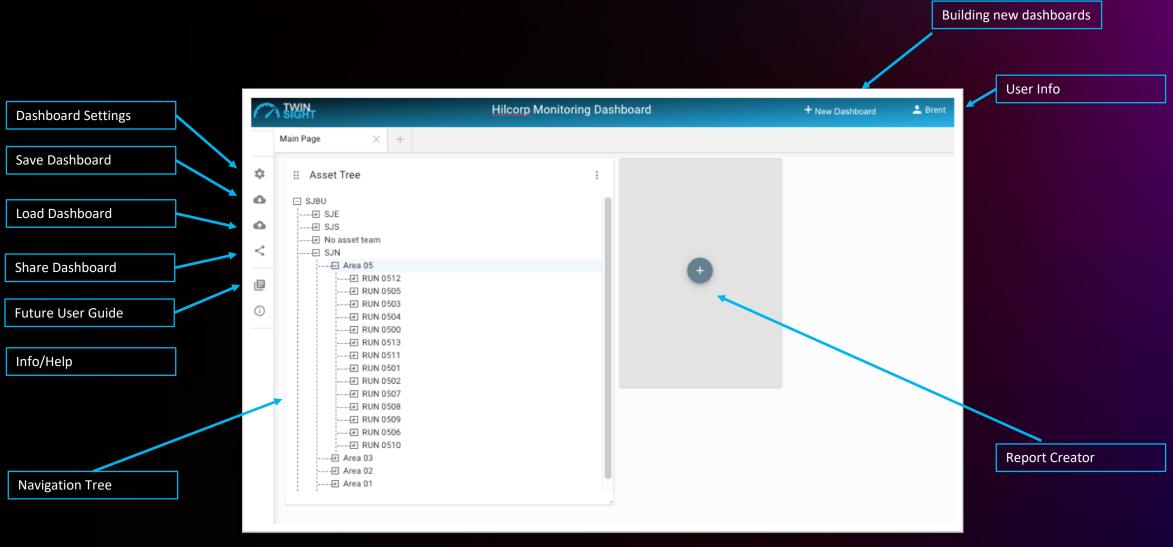


Naming Dashboard and Choosing Graph/Tree



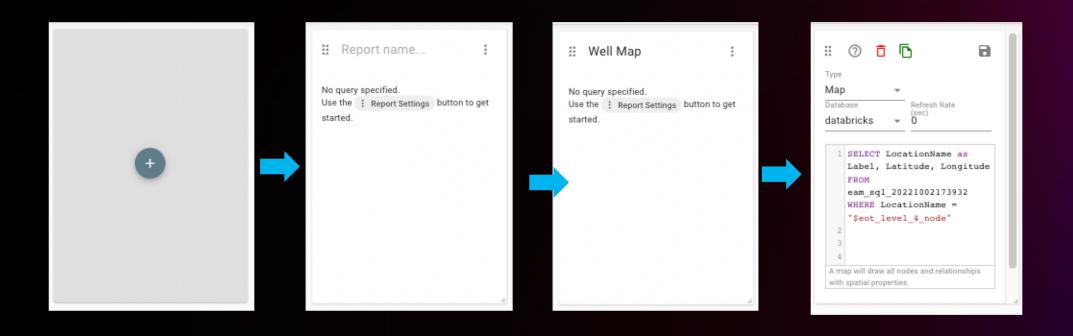


User Interface Overview

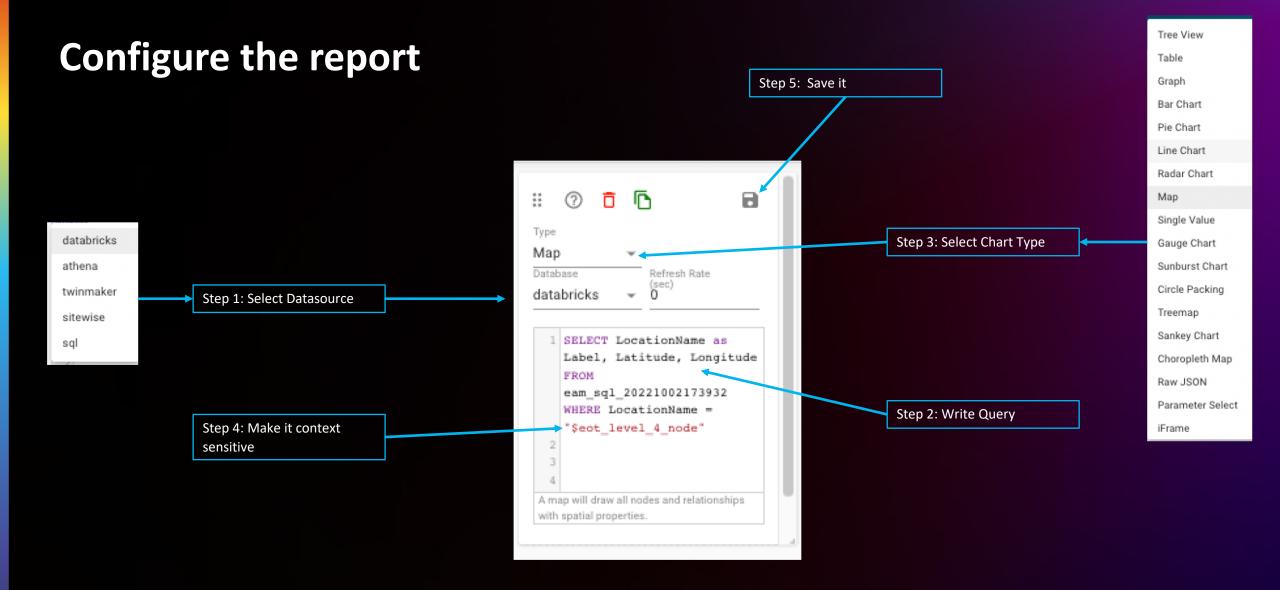




Creating a new report 1 – Name the report

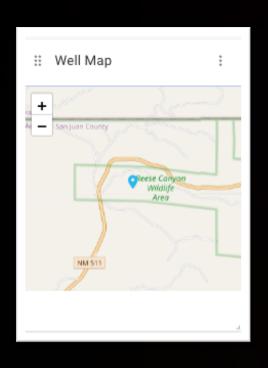


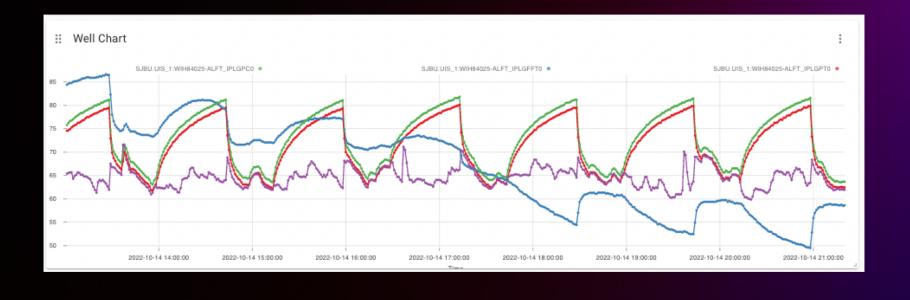






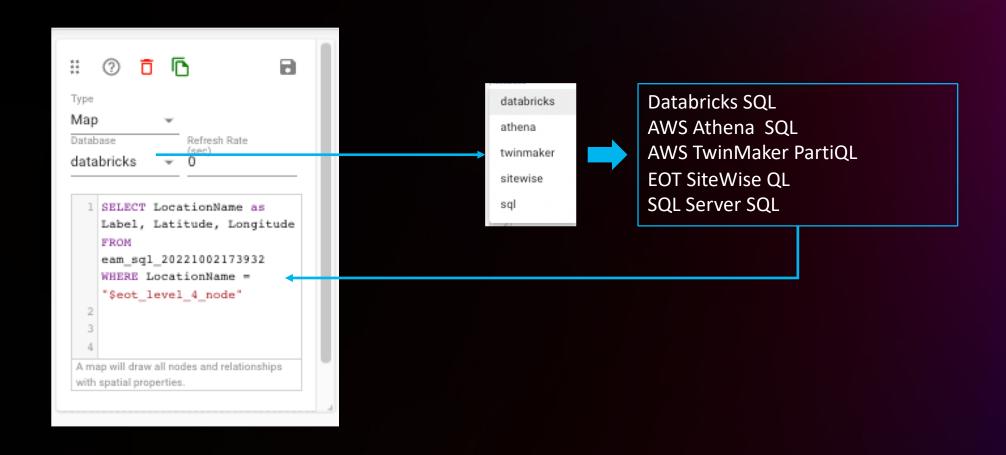
See the results - Examples





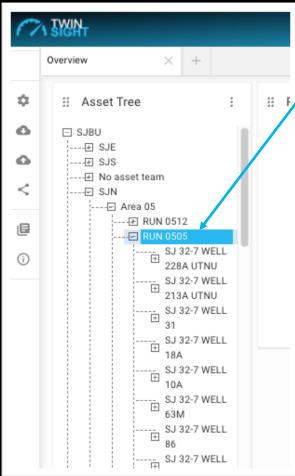


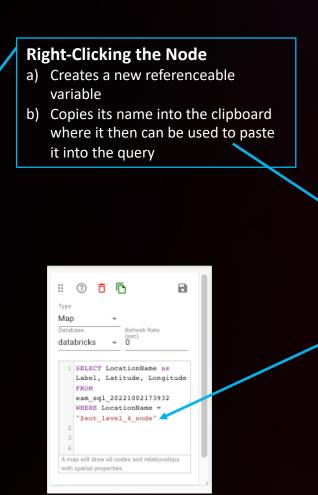
Writing the query: Dialect depends on the Datasource

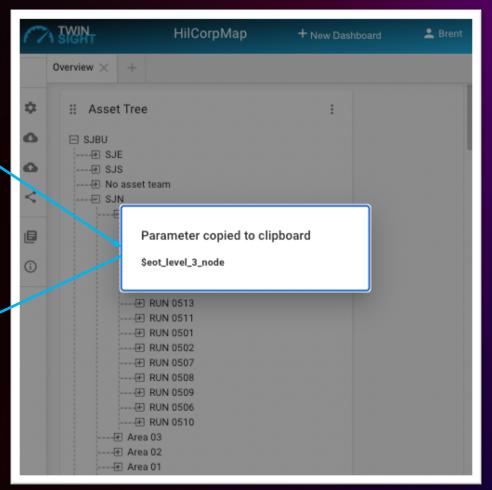




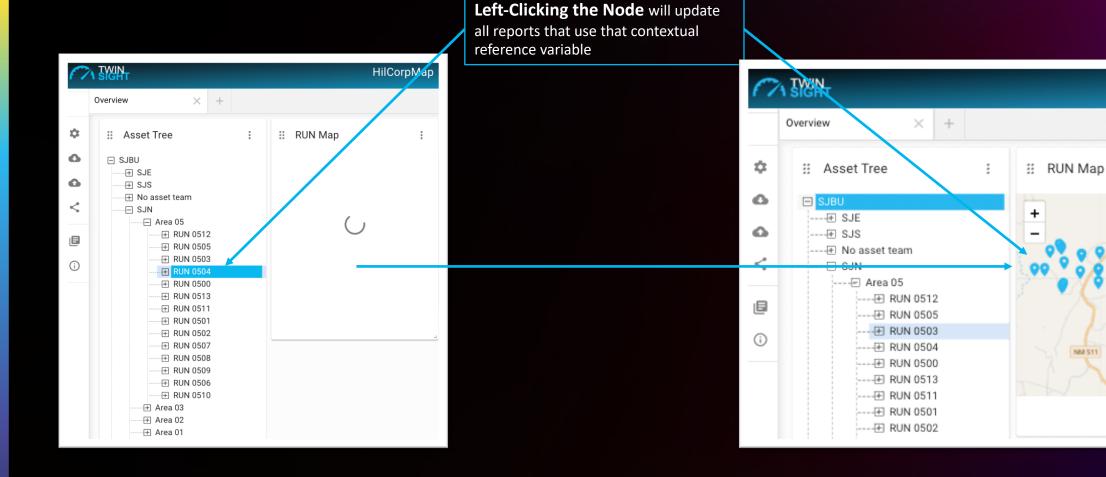
Creating a Contextual Reference







Using a Contextual Reference when Navigating

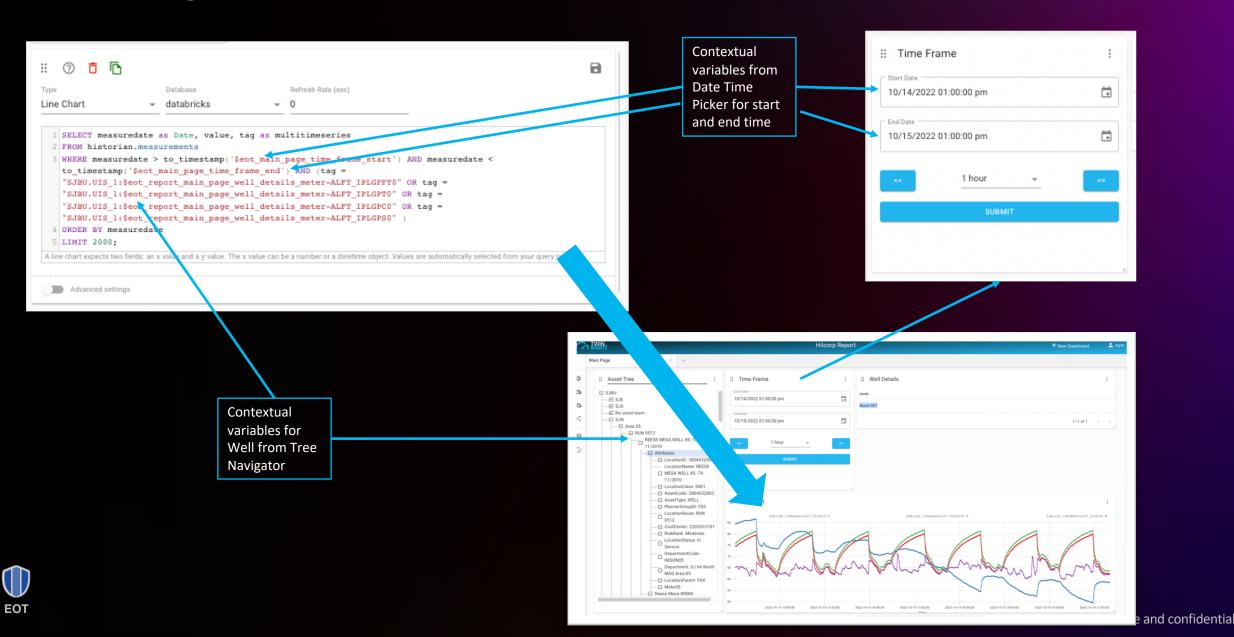




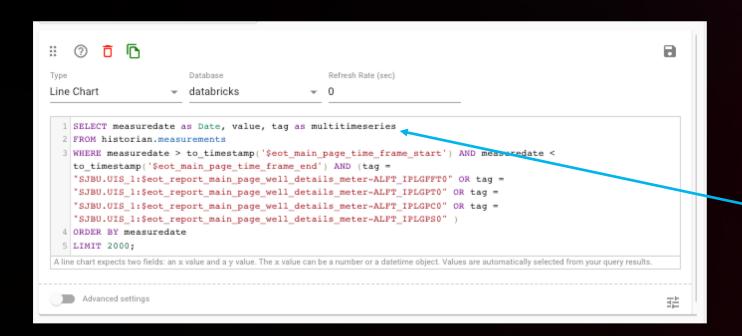
Area

HilCorpMap

Visualizing Databricks (and other data sources) as Historical Data in Line Chart



Identifying the Lines in the Line Chart for Historical Data Display

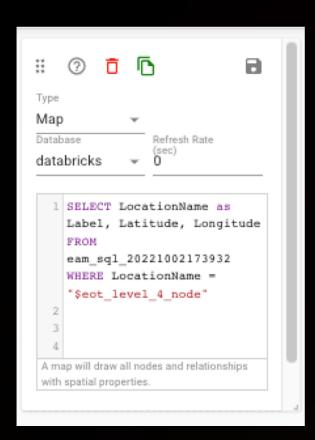


Historical data consist of:

- Timestamps
- Values
- Names of Sensor/Tags

The field for sensor/tag names has to identified as "multitimeseries" (So it will automatically create a chart with multiple lines using the field as a dictionary)

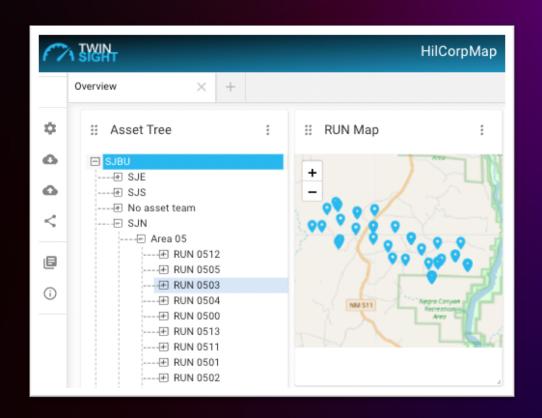
Visualizing Databricks (and other data sources) as geospatial data in map



Queries for geospatial data require 3 fields with the following names:

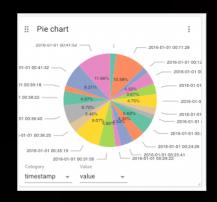
- Latitude
- Longitude
- Label

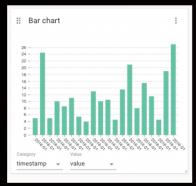
Use "as" in SQL to create names that match the above.



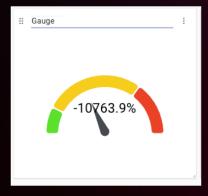


Visualizing Databricks (and other data sources) other charts



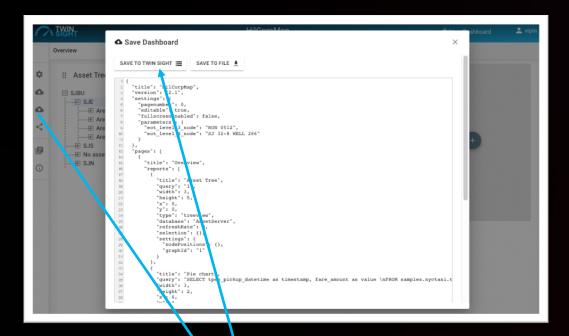


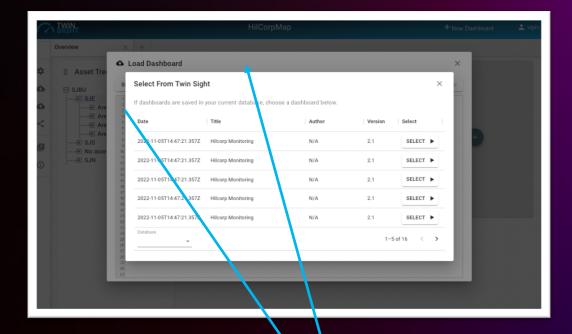




Queries have to match what is required by the chart type (single value for Gauge and Single Value charts, 2 dimensional arrays for Pie and Bar charts, etc)

Save and Loading Dashboards





Dashboards can be saved locally as JSON files or on the Twin Sight Server Dashboards can be loaded from local JSON files or from the Twin Sight Server





