Dash View

# Document History

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| --- | --- | --- | --- |
| V 1.0 | Cheng Yi | 9/10/2016 |  |
| V 1.1 | Cheng Yi | 9/16/2016 | Add First Release Requirement |

# Requirement

## Technology

1. Using the latest, real time (async), modular java script technology. Node.js
2. MVW framework, like angular js
3. Based mainly on open source projects

## Data Source

1. Support JDBC Data Source
   1. Vertica
   2. Hive
2. Support Realtime Streaming Data Source
   1. Kafka

## Query

1. User can define measures and dimensions.
2. User can select the fields.
3. User can specify the filter
4. For the fields are selected for the query but not displayed means group by these fields.
5. Calculated fields

## View Type

### Table View

1. User can define the rows and columns

### Map View

For location data.

1. User can zoom in and zoo out

## Execution

1. Support Pull type, pull the data from data source.
2. Support Streaming data pushed to us, and refresh the corresponding view.

# First Release Requirement

Creating a framework with

1. Menus
2. Refreshable Realtime dashboard
3. Embedded Tableau Dashboard (using Tableau javascript)
4. Other D3 dashboards

# Reference

1. Tableau javascript API: <https://community.tableau.com/community/developers/javascript-api>
2. <https://d3js.org/>
3. <http://freeboard.github.io/freeboard/>