

MICHIGAN STATE
UNIVERSITY

Alpha Presentation

**BizIQ Flow Map Using Sequential
Analytics Data**

The Capstone Experience

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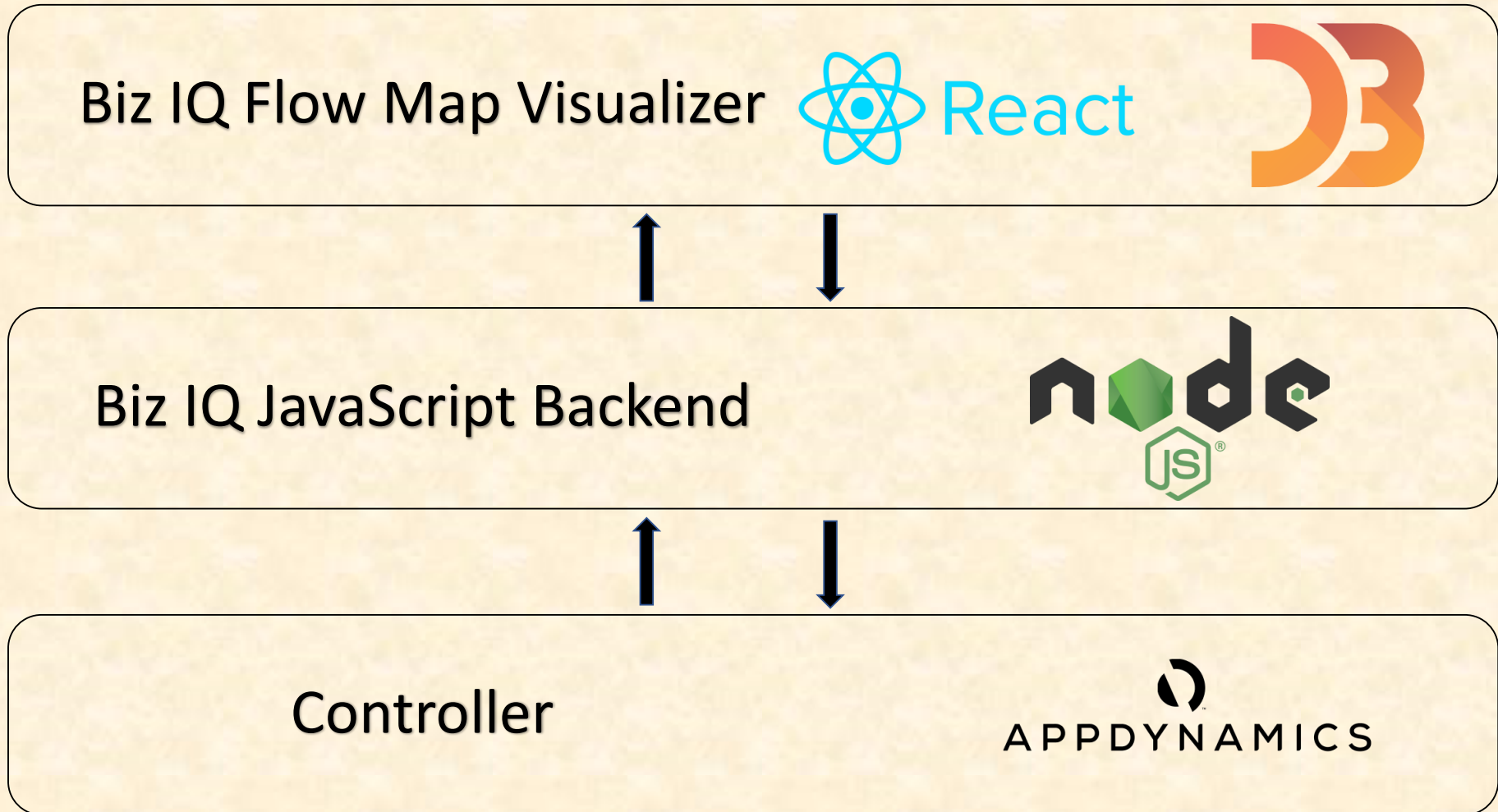
*From Students...
...to Professionals*

Department of Computer Science and Engineering
Michigan State University
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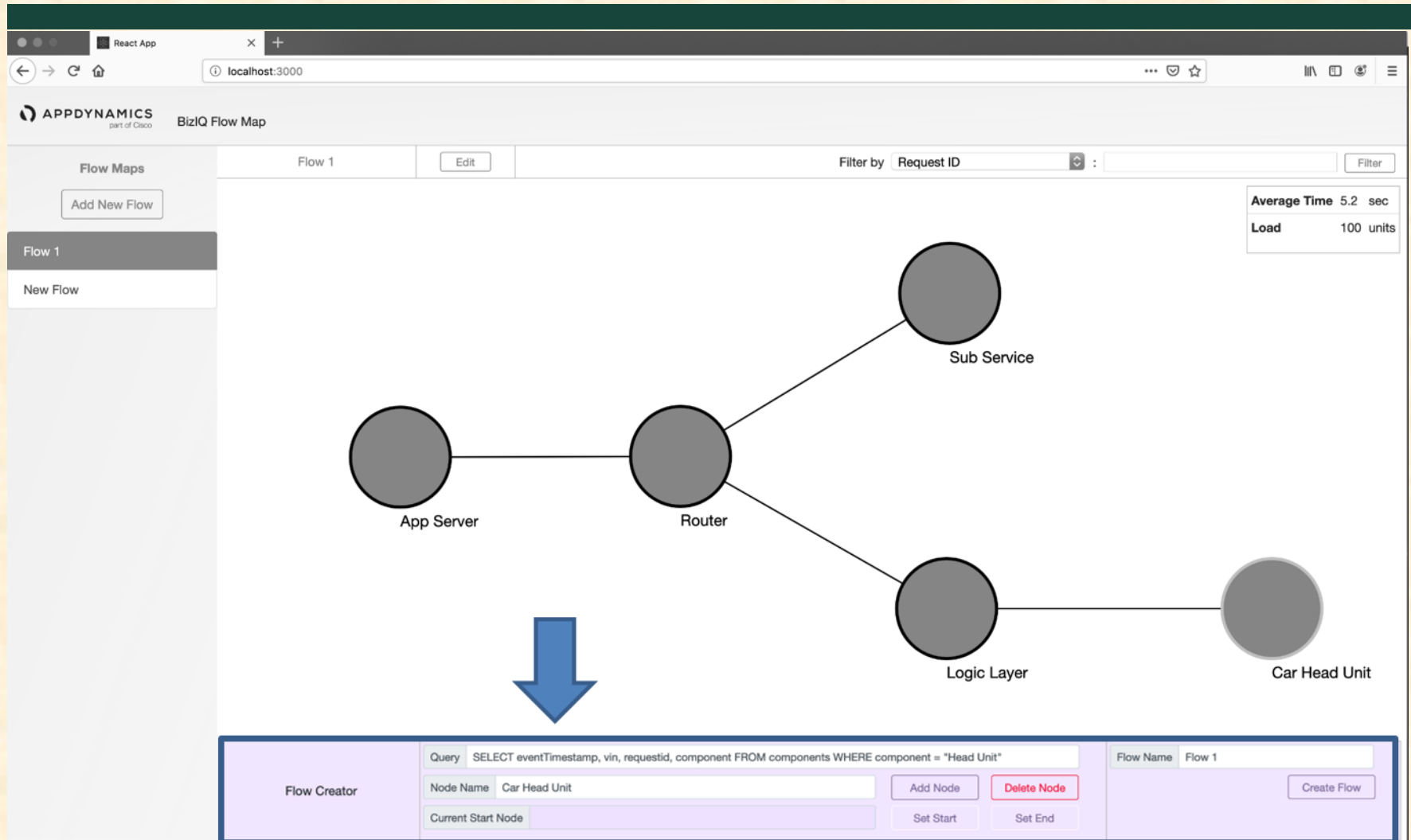
Project Overview

- Users can create a flow map that represents a distinct business transaction
- Helps monitor impact on end user from high level
- Users can create and save multiple flows

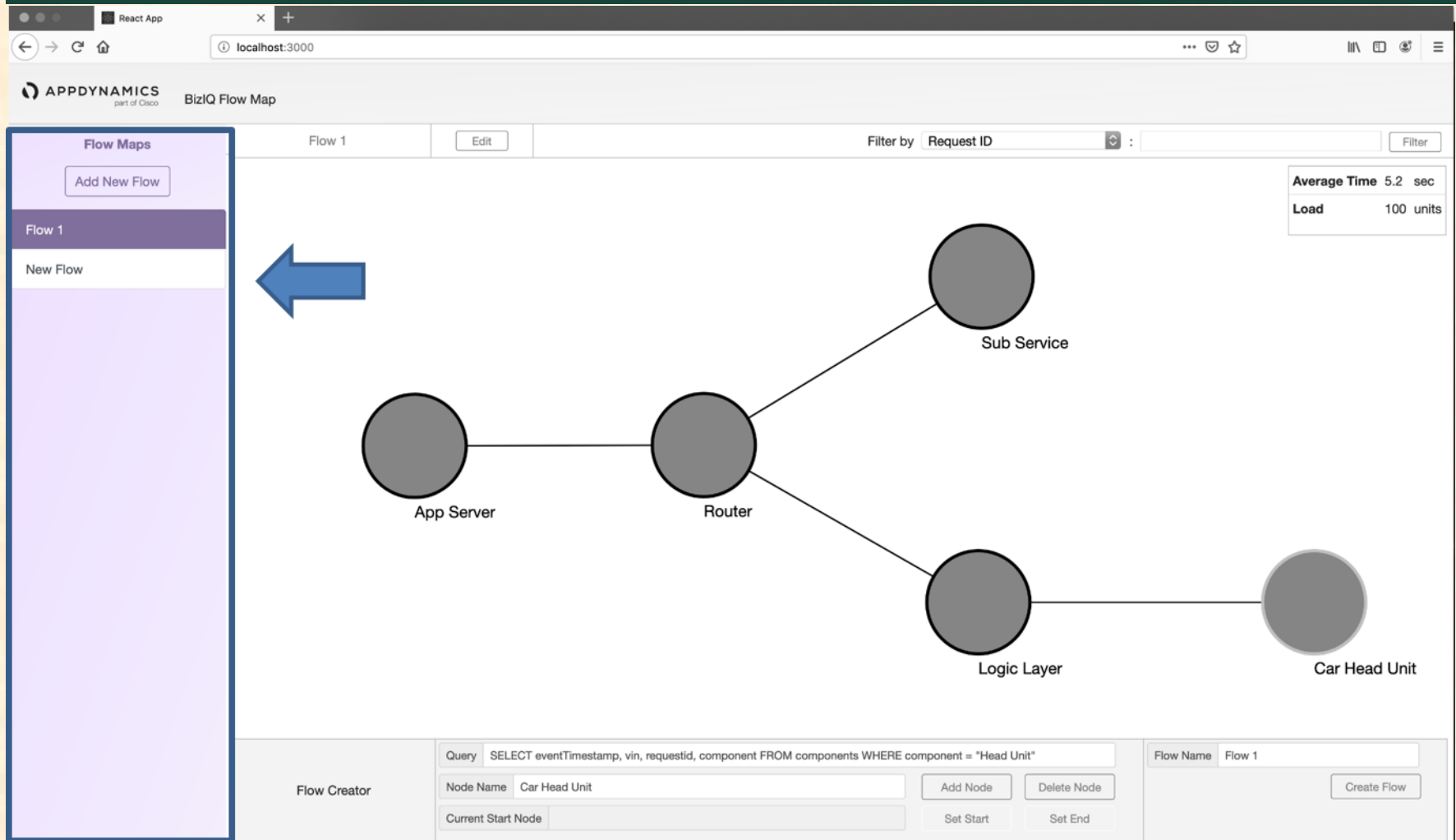
System Architecture



Flow Creator



Saved Flows



Filter

The screenshot displays the AppDynamics BizIQ Flow Map interface. The main area shows a flow diagram with nodes: App Server, Router, Sub Service, Logic Layer, and Car Head Unit. A blue arrow points to the 'Filter by' bar at the top, which is set to 'Request ID'. The 'Filter' button is visible. On the right, a summary box shows 'Average Time 5.2 sec' and 'Load 100 units'. The bottom section contains a 'Flow Creator' with a query editor and node selection options.

Flow Maps

Add New Flow

Flow 1

New Flow

Flow 1

Edit

Filter by Request ID

Filter

Average Time 5.2 sec

Load 100 units

App Server

Router

Sub Service

Logic Layer

Car Head Unit

Flow Creator

Query SELECT eventTimestamp, vin, requestid, component FROM components WHERE component = "Head Unit"

Node Name Car Head Unit

Add Node Delete Node

Current Start Node

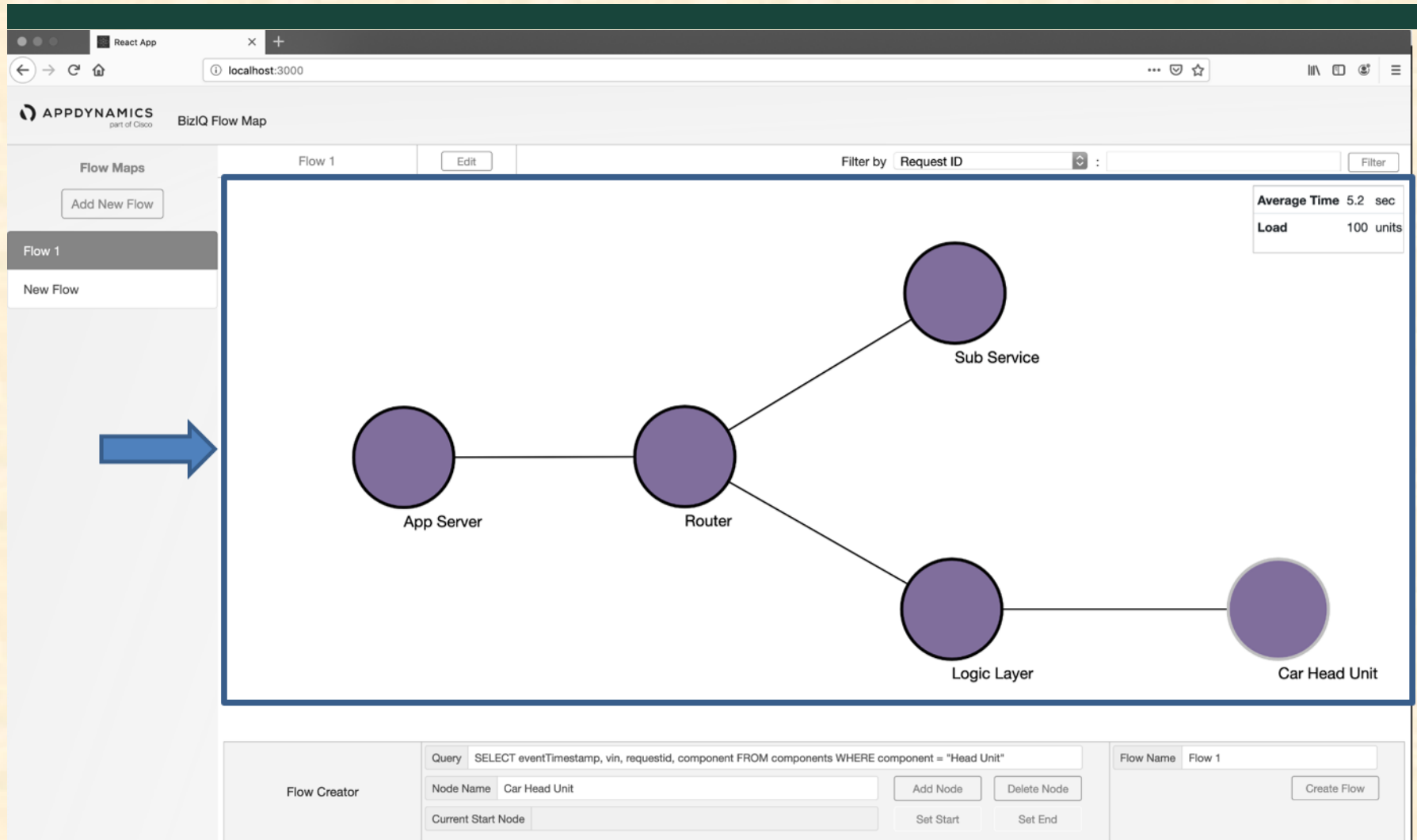
Set Start Set End

Flow Name Flow 1

Create Flow



Visualizer



What's left to do?

- Calculate time between all nodes
- Filtering flows by ids and other data points
- Finish zooming feature for visualizer
- Validate / Error Check Queries

Questions?

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