Watchmen

A Complete NoCode Lightweight Data Platform
Delivered as A Single Application

Why we build this

- Many solutions in the industry require different tools to be used at different stages of the data, and the cost of learning and maintenance is high
- Many solutions have no way to manage different open source or commercial components
- Unfriendly to the junior technical team

Problems have been solved

- Data processing logic chaos
- Data is isolated and unable to be well distributed and used
- Data fragmentization

Core design concept

- NoCode Platform
- Data Mesh Architecture
- End to End Scene Coverage
- DataOps, Automation & Transparency
- Distributed Memory, Computing & Storage
- Various underlying Database Technologies

Our solution

- Watchmen - End to End NoCode DataOps Platform

What is Watchmen

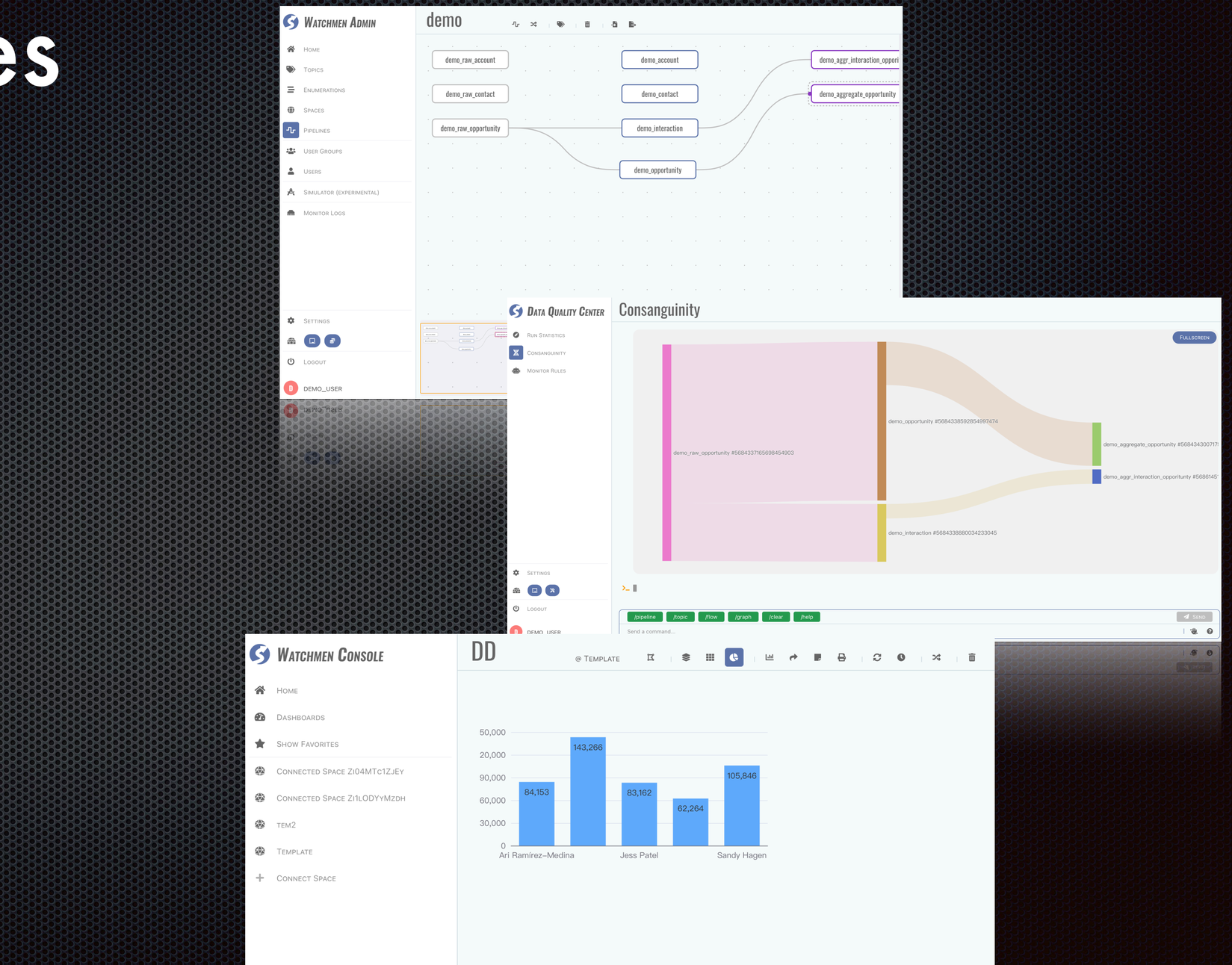
- Quickly collect, transform data from any system
- Start data analysis in first place, through simple ui operations
- Help everyone be more data-driven.

After use Watchmen

- Simplify your data flow - develop in single application
- Productization of data assets
- Data democratization
- Clear division of team functions

Key features

- Data Pipeline
- Data Test
- Data Visualization
- Data Government
- Data Security
- Data Quality Monitor
- Data Asset Collection
- Data Distribution
- Data Profile



For analisys

- Smooth the path from raw data to insights

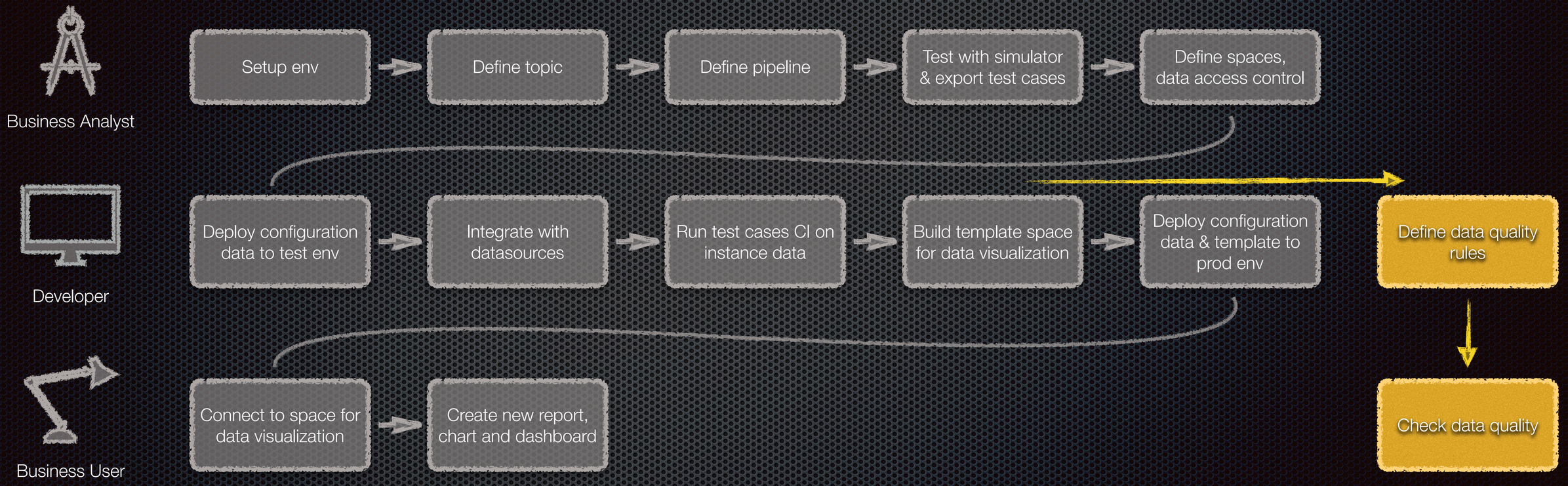
For IT

- Deliver business value with trusted analytics, empower organizational agility
- Governed data and analytics at scale
- Monitor everything in watchmen

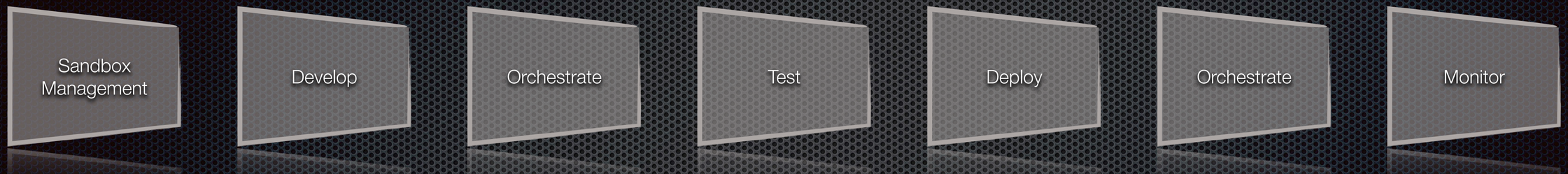
For Executives

- Help Executives build a trust - in people and data
- Help executives build data driven team

How to use our platform



How DataOps in Watchmen



ⓐ

Create data zone
Assign admin user

ⓑ

Define topics
Define pipelines

ⓒ

Verify pipeline result with simulator
Export test cases

ⓓ

Create test CI job
Commit topics, pipelines & test cases

ⓔ

Import meta data with CLI
Deploy scripts with liquibase

ⓕ

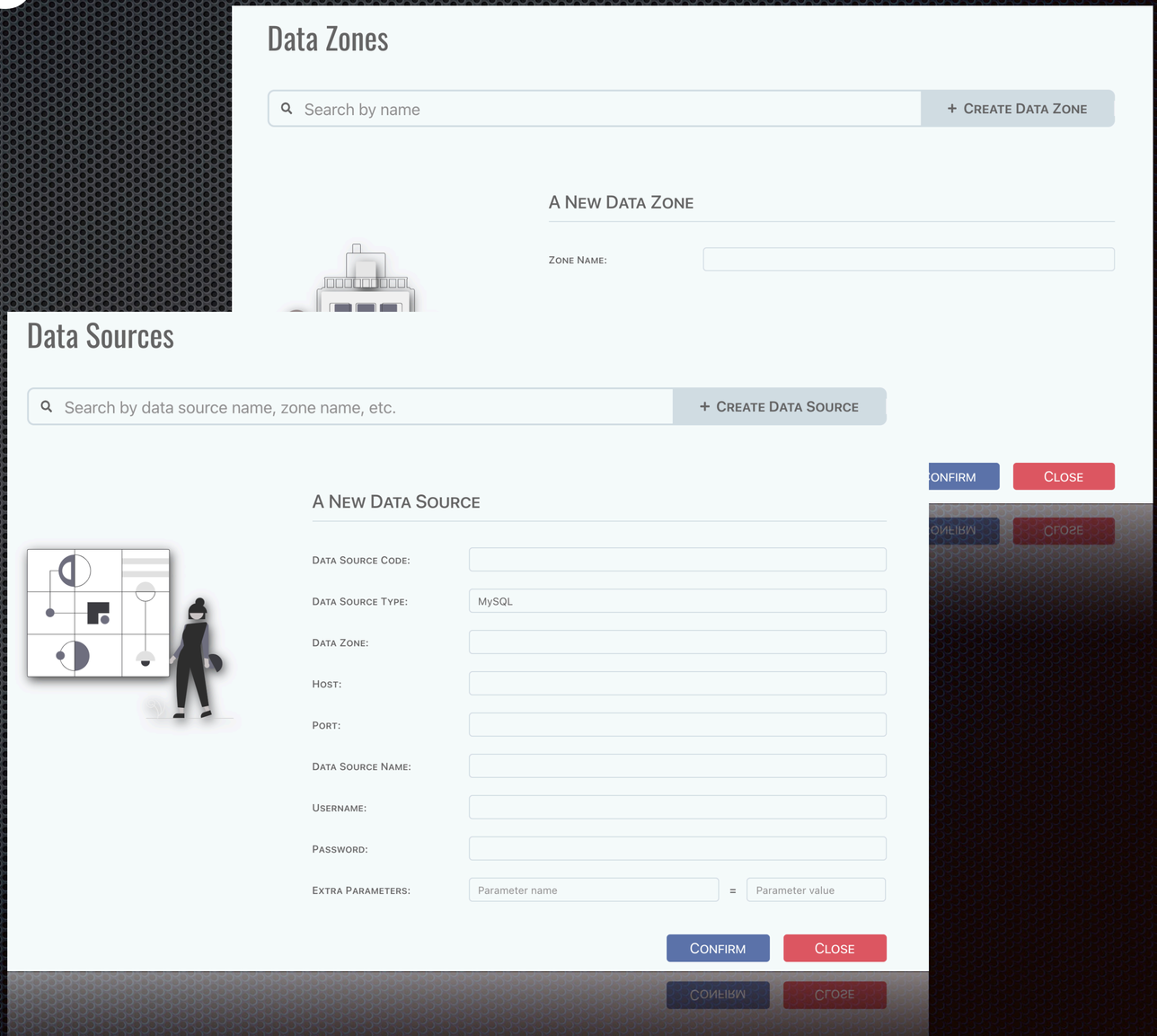
Create dataset
Create visualization data

ⓖ

Monitor pipeline execution logs
Monitor topic instance data
Monitor data quality rules

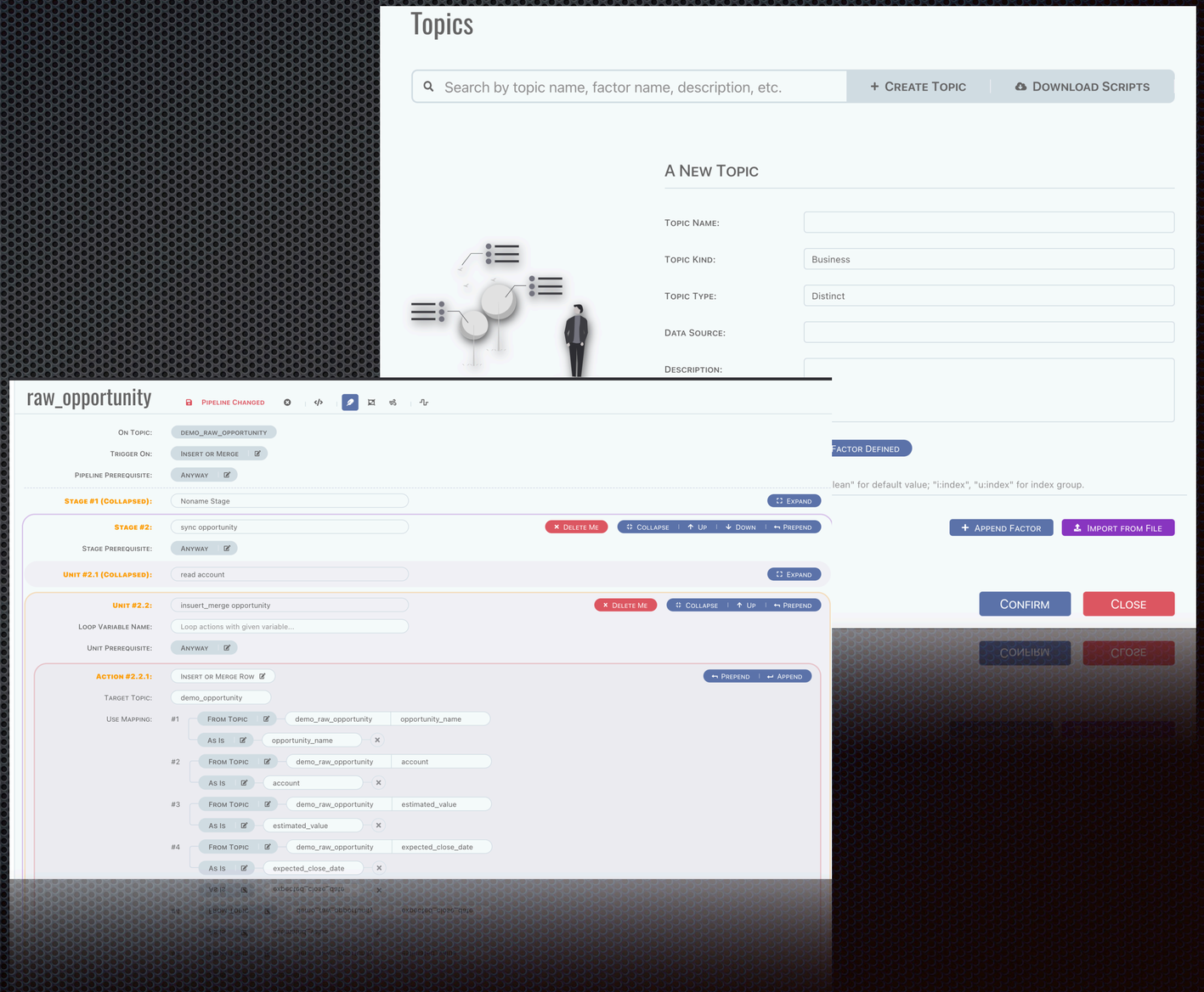
Sandbox Management

- Data Zone Management
- Data Source Management



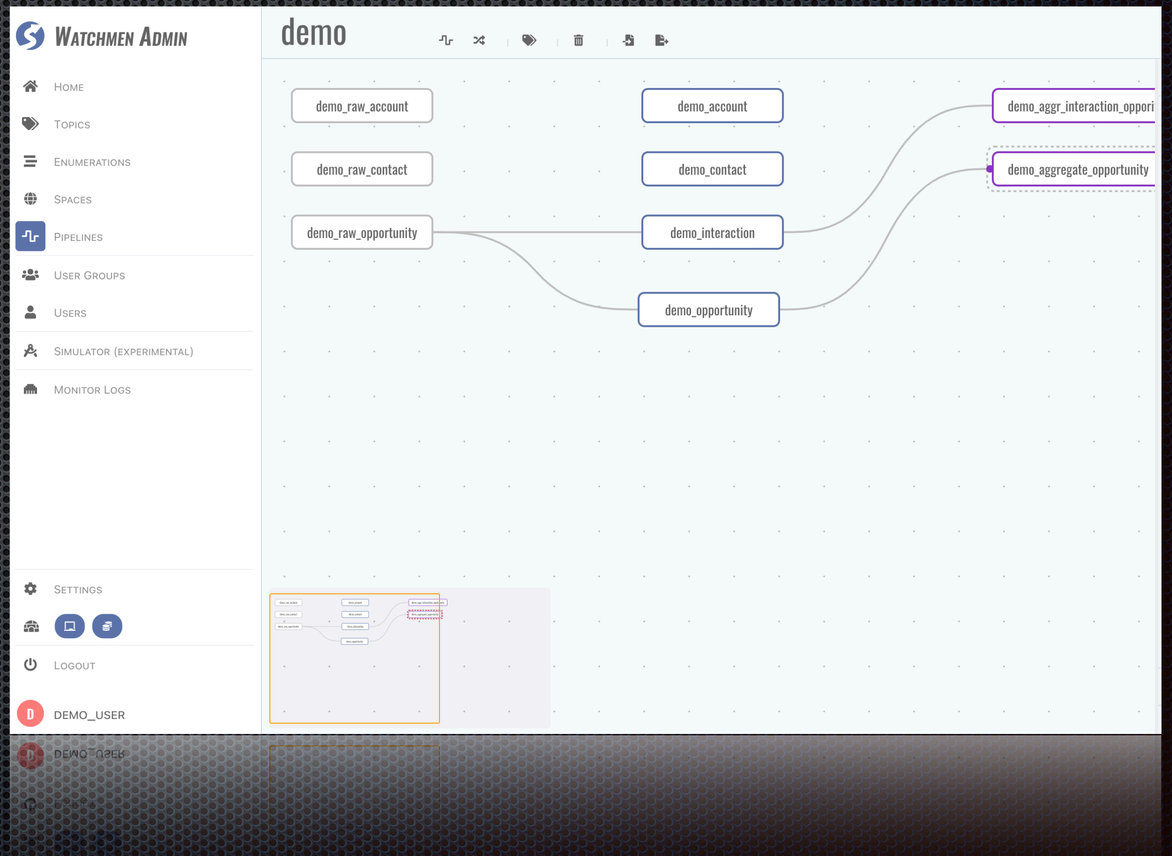
Develop

- Data Structure Develop
- Data Pipeline Develop



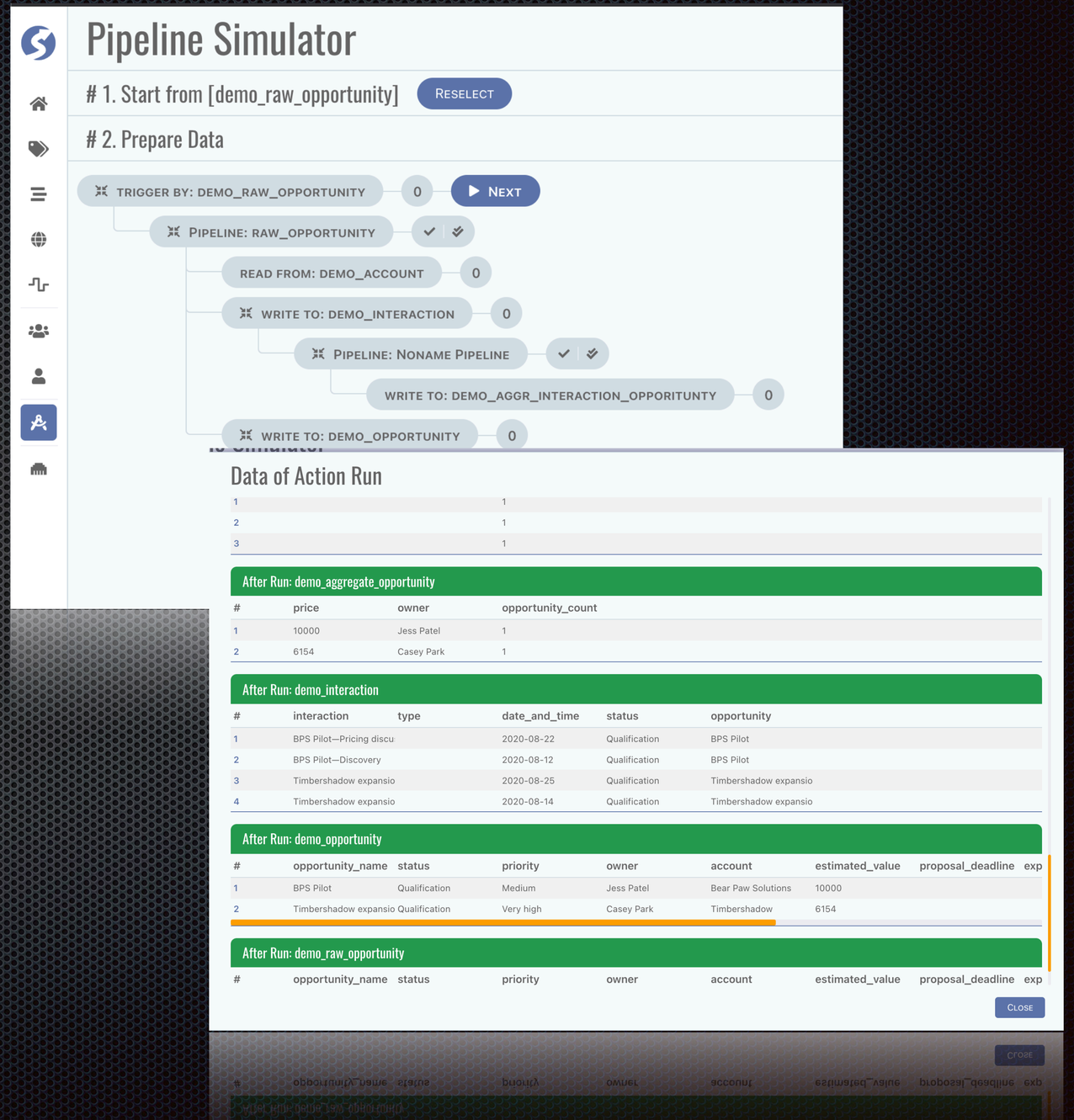
Data Orchestrate

- Connecting multiple pipelines for data orchestrate



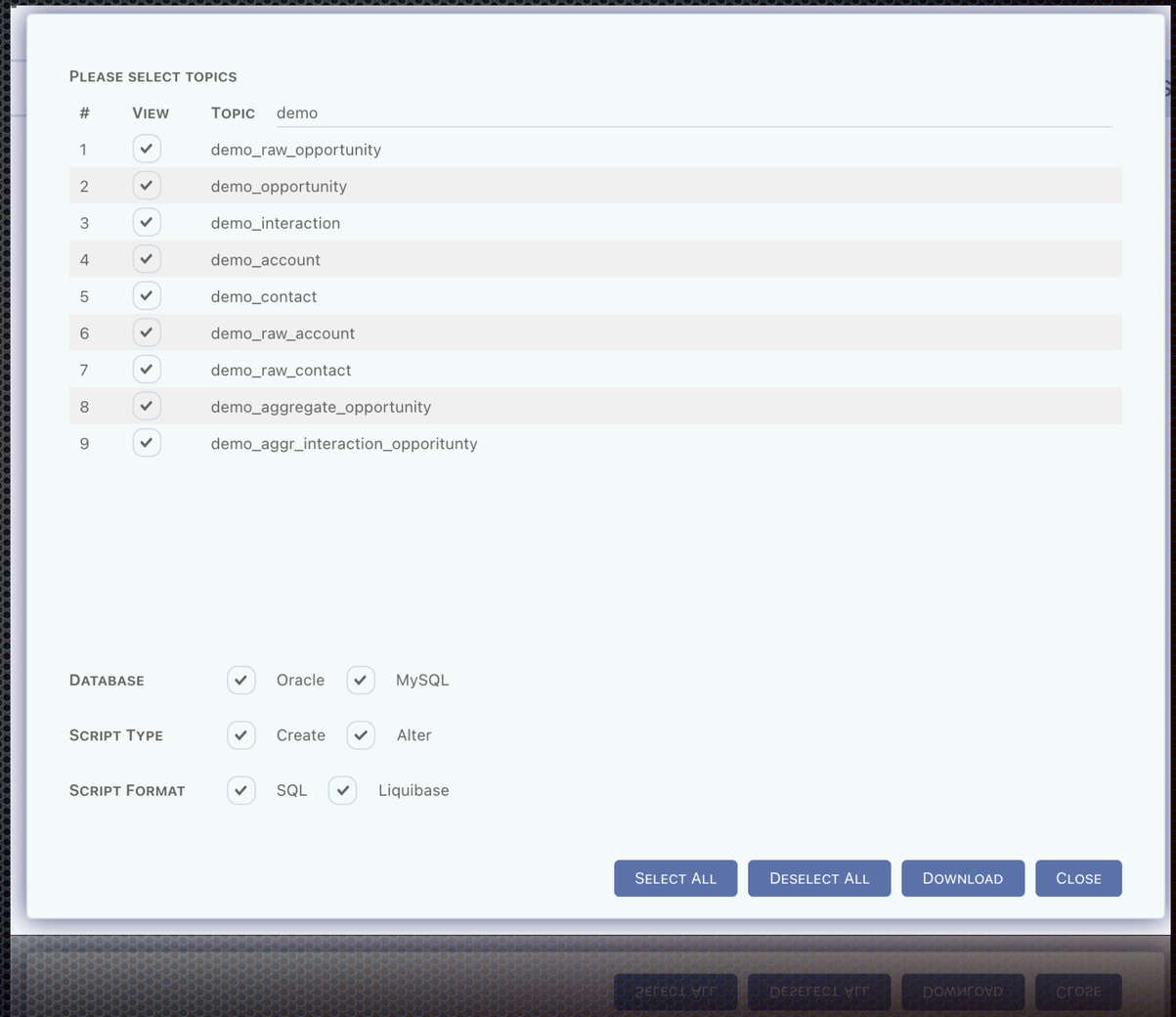
Testing

- Pipeline simulator testing tools
- Download test case for ci job



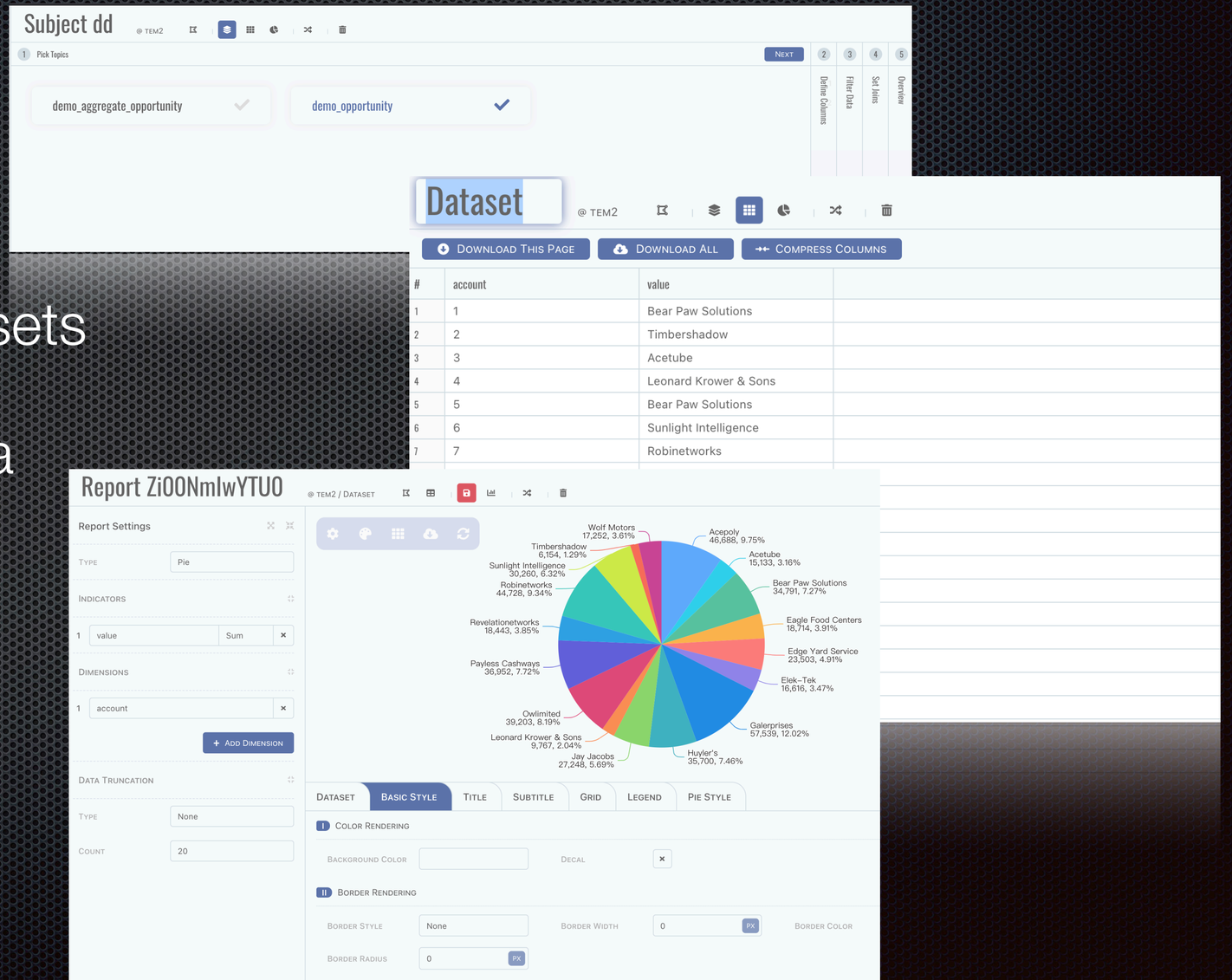
Deployment

- Watchmen cli and docker for release configuration data
- Watchmen provide script generate for topic



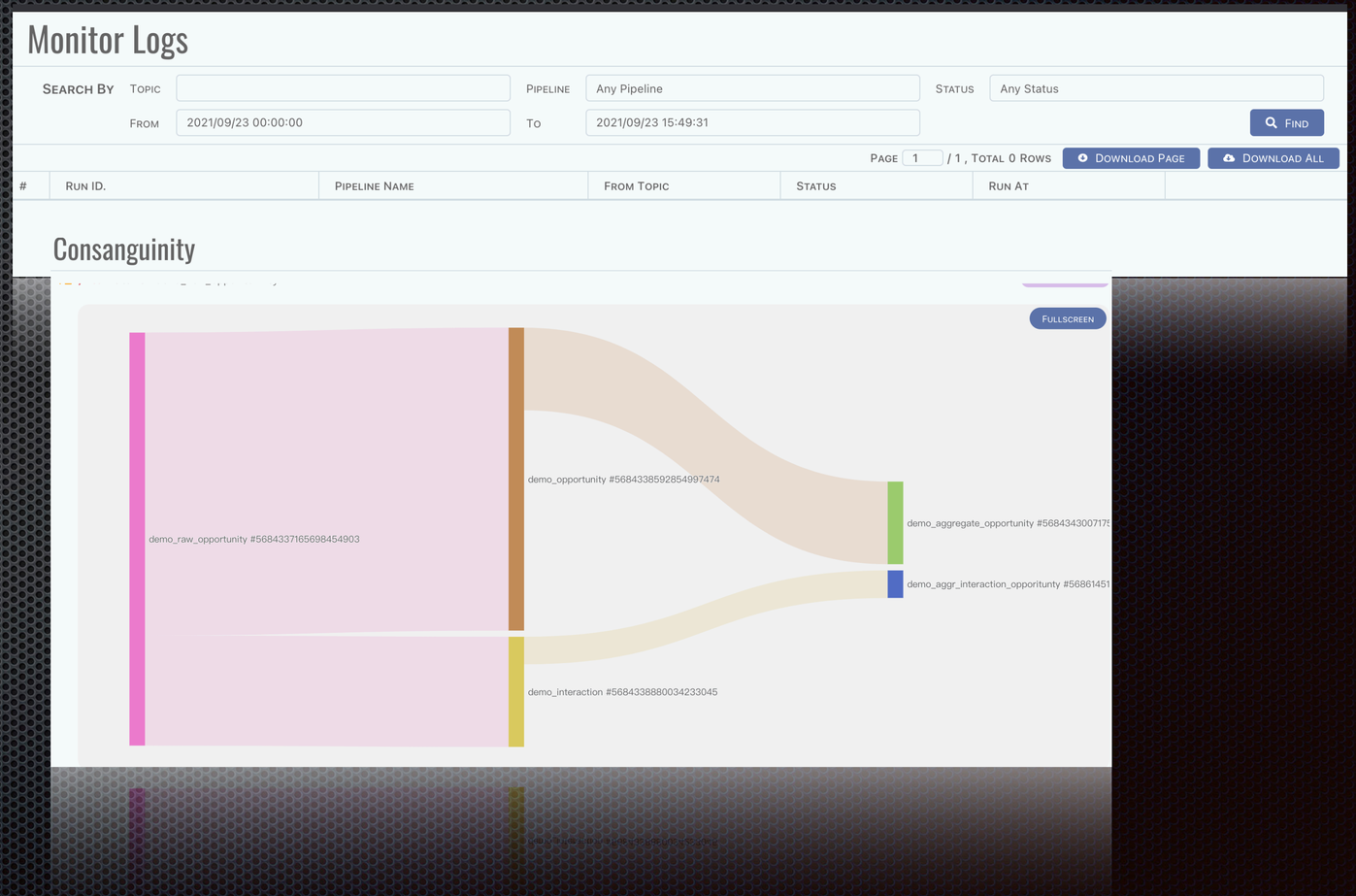
Dataset and Chart orchestrate

- Provide dataset navigation function to help business personnel quickly build datasets
- BI chart feature for build data visualization



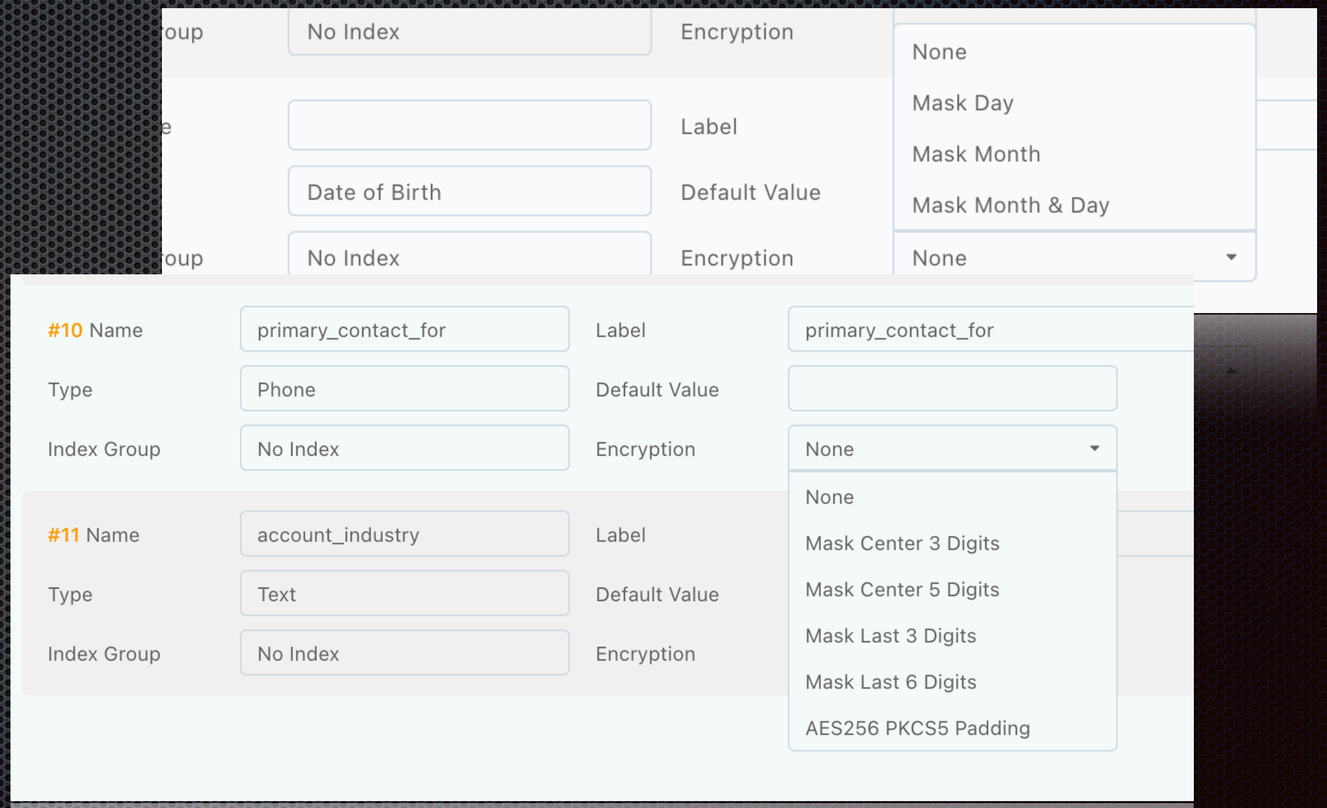
Monitor

- Pipeline execution monitor
- Query monitor
- Data Quality monitor （DQC feature)



Data Security

- Data mask
- Role based access control
- Encryption with user controlled keys - KMS or In-storage

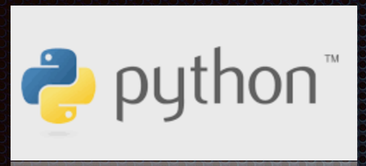


Support Datasources

And special or raw topic

Support Connections

Support compute engine



Support sql engine

Thank You