Data Source Management in AiM IQ

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Topics Covered

AiM IQ Overview

Data Source Creation
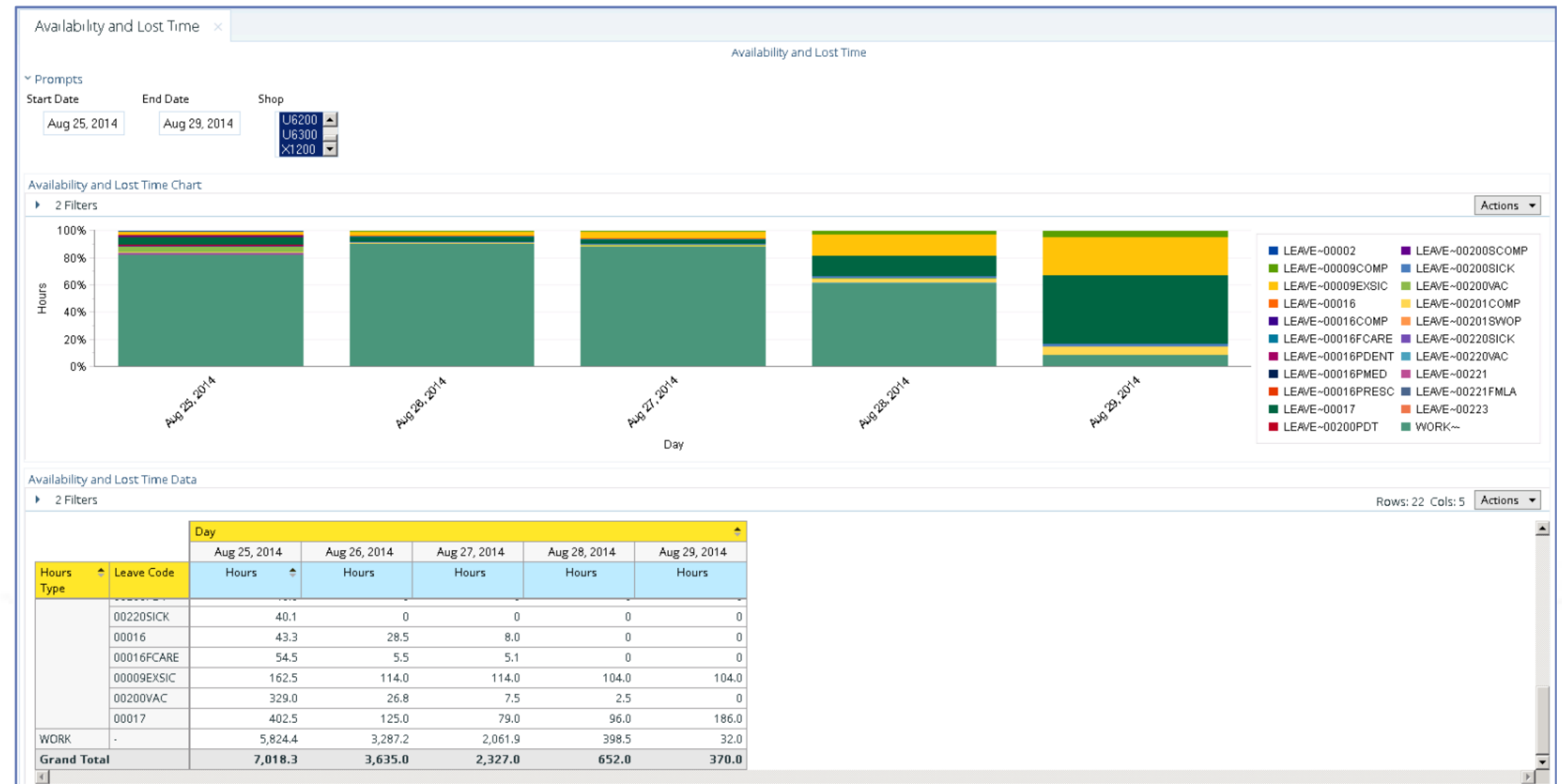
How They Can Be Used

Data Source Modification

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IQ Overview

- Intelligence Reporting Tool
  - Interactive
  - Analytical
  - Dashboards
- AiM → IQ
  - Data cubes (sources)
  - Report views
- Analyze and track trends

IQ Overview

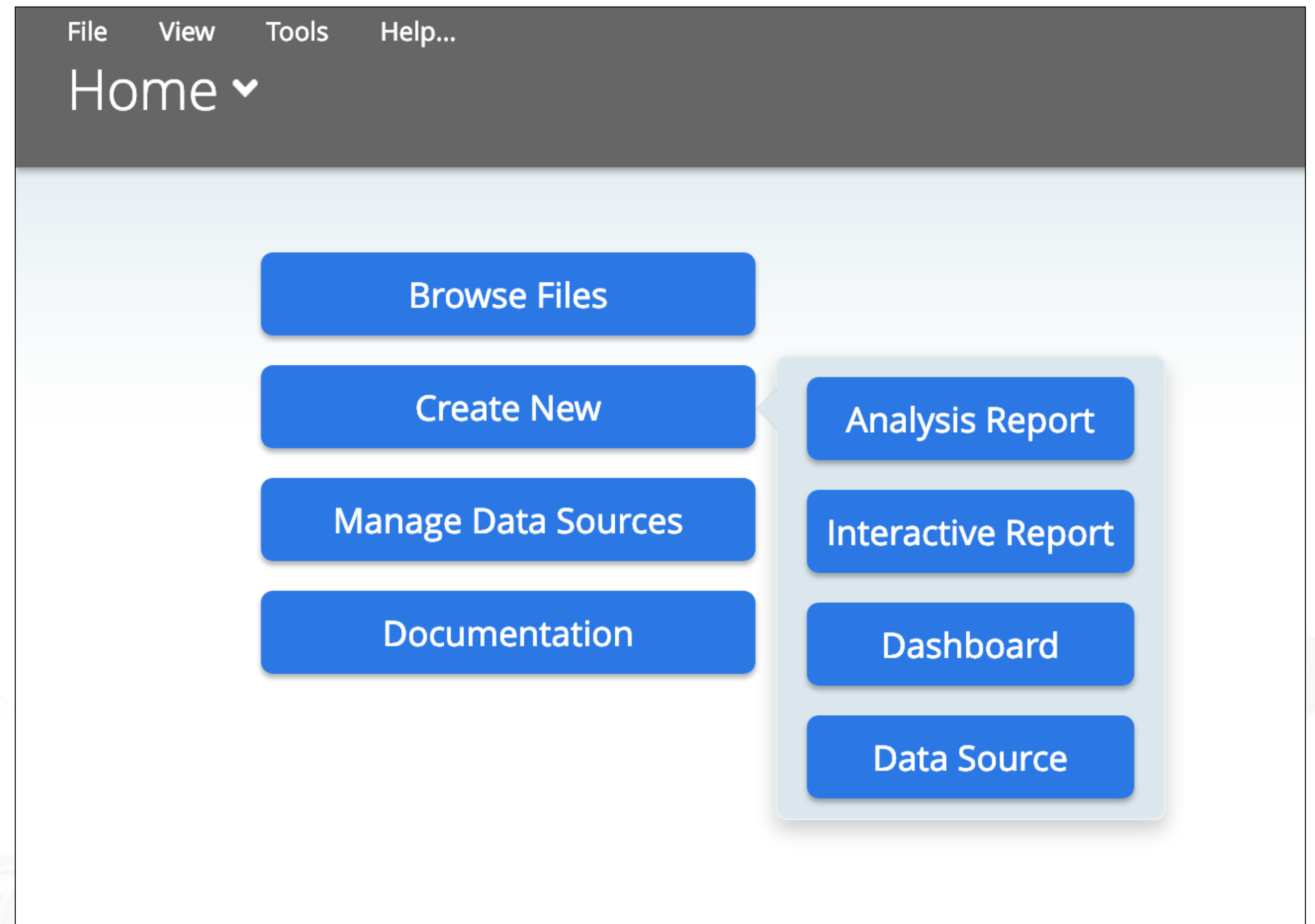| Real Estate and Property Management	Space Management	Operations and Maintenance	Capital Planning and Project Management	Energy Management

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Creating a Data Source

- IQ User Console
  - Create New → Data Source
  - Manage Data Sources → Create New
- Data Options
  - SQL Query
  - Table Listing
  - Spreadsheet

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Creating a Data Source: SQL Query

Creating a Data Source: SQL Query

Select * from ae_p_pro_e as e
Inner join ae_p_phs_e as p
on p.proposal = e.proposal

Select e.proposal,
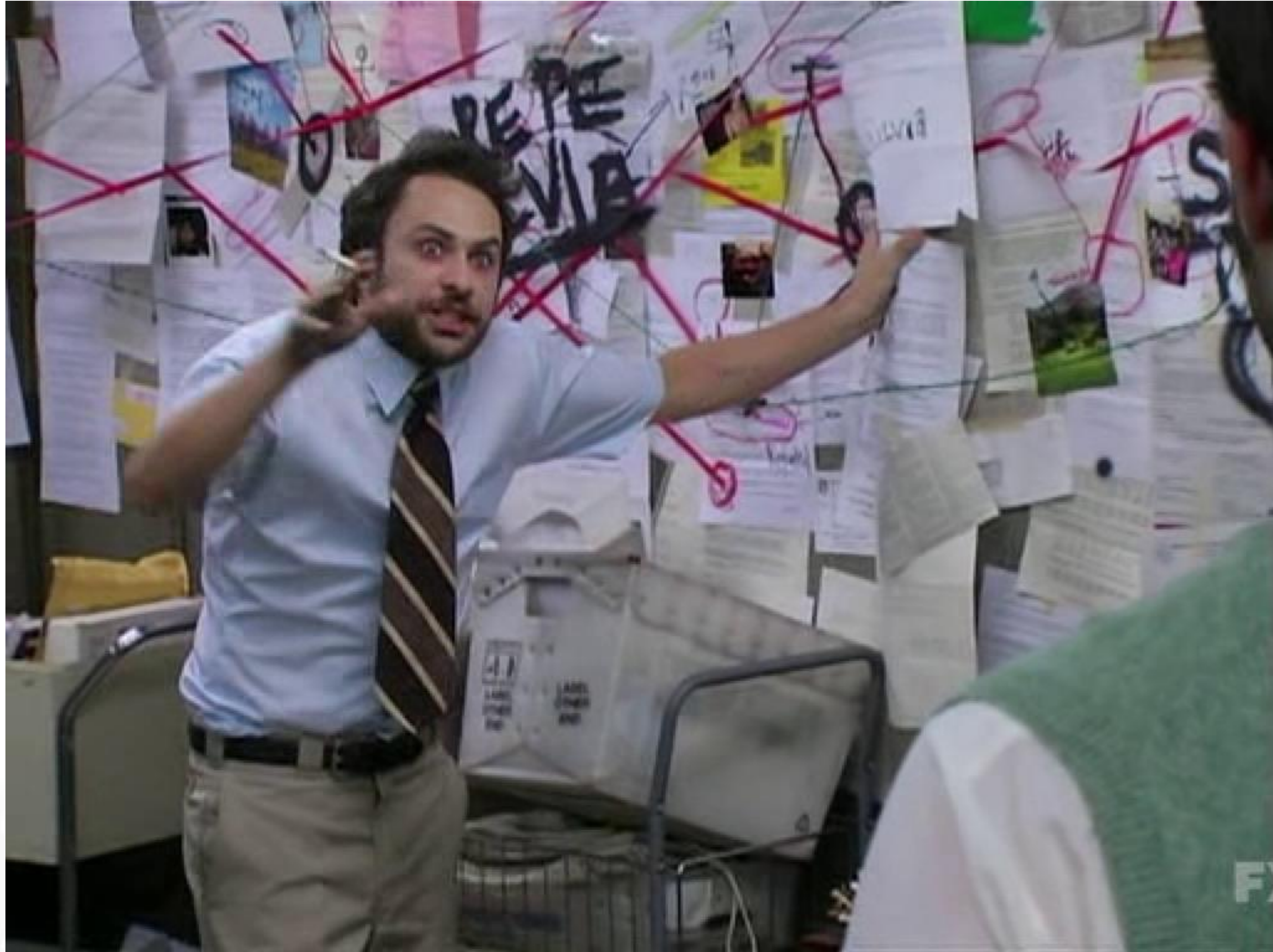e.description,
p.sort_code,
p.description
from ae_p_pro_e as e
inner join ae_p_phs_e as p
on p.proposal = e.proposal

DatasourceServiceImpl.ERROR_0009

Query validation failed: Query validation failed: {0}

Close

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New Data Source

Preview Results

multitenant_id	proposal	sort_code	description	esti
1	16-005001	001	GOVERNMENTAL	
1	16-005002	001	AHU MONTHLY II	
1	16-005003	001	AHU MONTHLY II	
1	16-005004	001	AHU MONTHLY II	
1	16-005005	001	AHU MONTHLY II	
1	16-005006	001	AHU MONTHLY II	
1	16-005007	001	AHU MONTHLY II	
1	16-005008	001	AHU MONTHLY II	

Close

New data source created.

- Results may look correct

- Always customize to use as an analyzer data source.

Manage Data Sources

Data Source Created

The data source was created successfully.

Note

To enable reporting and analysis, a default metadata model was automatically created for this data source. You can edit the data source at any time by going to File > Manage > Data Sources.

- ● Keep default model
- ○ Customize model now

OK

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New Data Source

Default set of reporting dimensions, measures and categories

Dimensions and Measures for Analysis. Categories for Interactive.
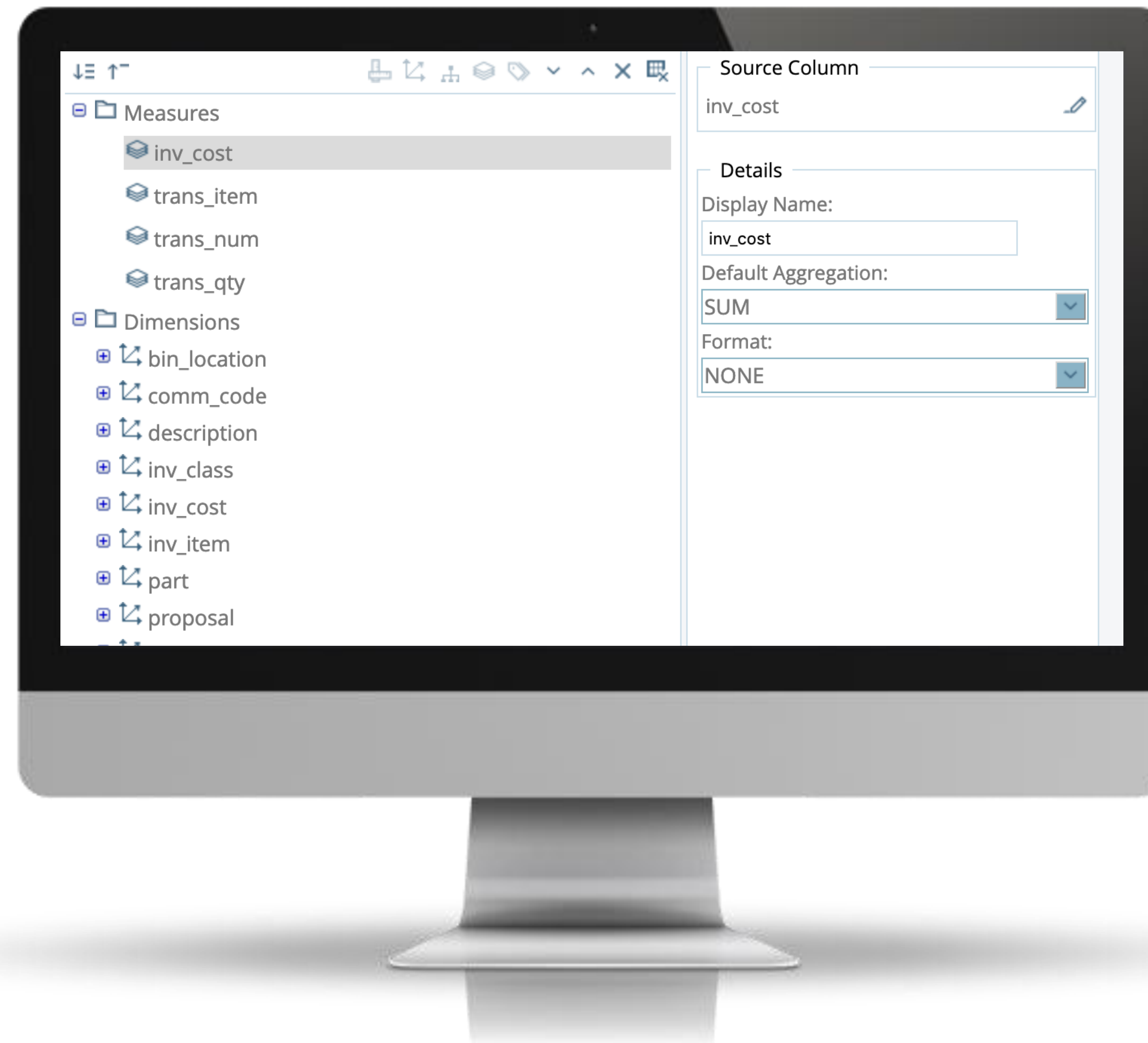
Drag and Drop

Create your own

Source Column
inv_cost

Details
Display Name:
inv_cost
Default Aggregation:
SUM
Format:
NONE

Measures
- inv_cost
- trans_item
- trans_num
- trans_qty

Dimensions
- bin_location
- comm_code
- description
- inv_class
- inv_cost
- inv_item
- part
- proposal

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New Process for a New Data Source

- Draw out what you are looking for

- Design Select SQL in SQL Editor

- Create table(s) using SQL Editor in Data Warehouse

- Create AiM IQ Data Integration Transformation to populate new table

- Schedule DI Transformation to update on a nightly basis

- Create new Agile Data Source – using Table option

- Design Model

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Conceptualize Your Data Model
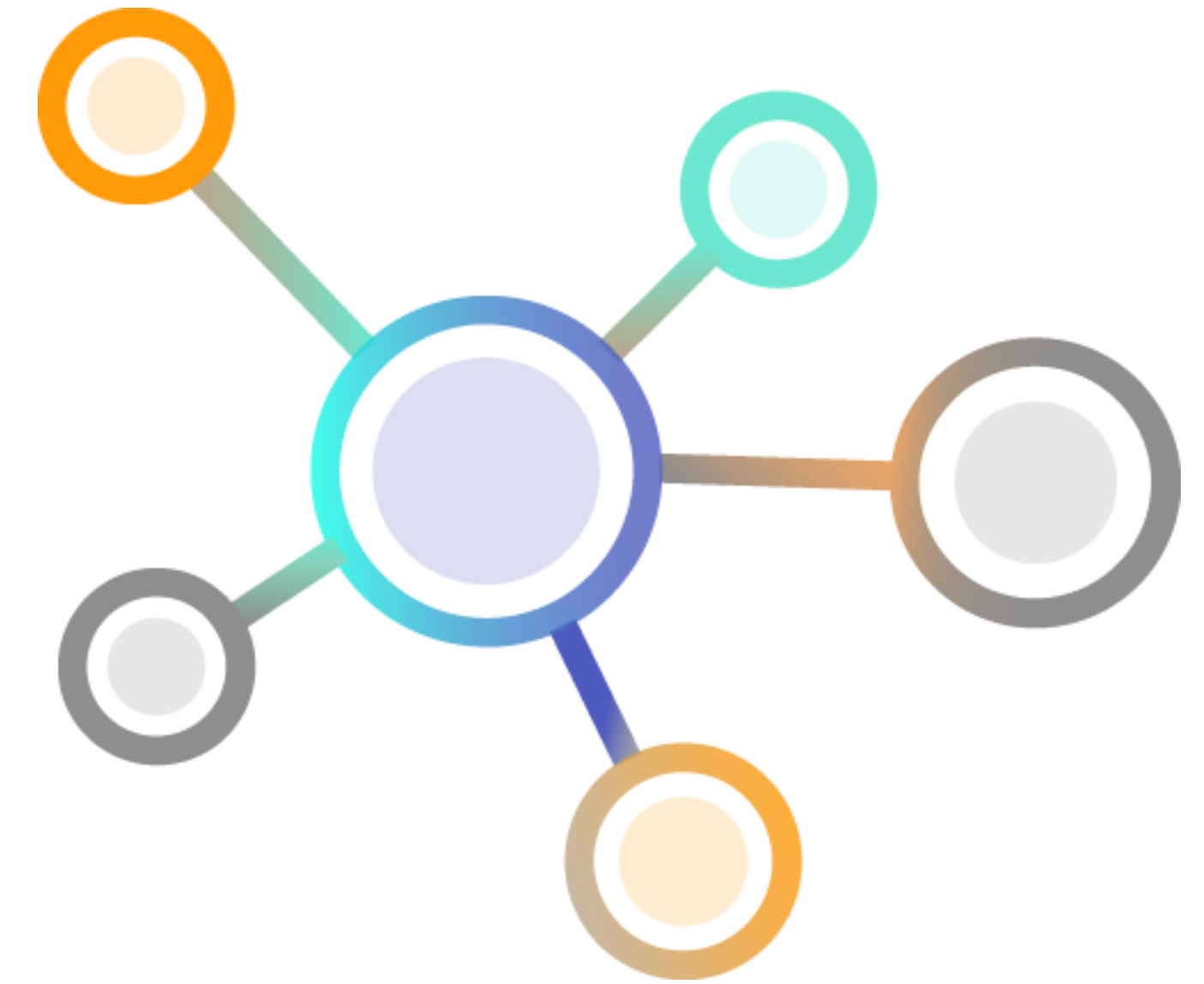
- Part Listing
  - Part Table
  - Bin Table
- Purchase Request Details
  - Part Table
  - Bin Table
  - Purchase Request Header
  - Purchase Request Lines
  - Property tables

- Counter Release Details
  - Part Table
  - Bin Table
  - Counter Release Header
  - Counter Release Lines

Why not one giant table?

1. No consistent direct correlation between Purchase Request... and Counter Release
2. Massive data sources are not user friendly to end user

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Create Your Reporting Table

Build Your Transformation

Schedule Transformation

Create Data Source

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Modification

Data Source Uses

i **Both Interactive and Analytical**

i **Use them just like existing sources**

i **Share them between instances. Export and Import**

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Thank You!