DATALOGZ

Bridging the gap in business intelligence

Do you use a business intelligence tool at your company?

According to Forrester, “25% of organizations use 10 or more BI platforms, 61% of organizations use 4 or more, and 86% of organizations use 2 or more.”

AI will allow analyzing data as simple as posing a question

+

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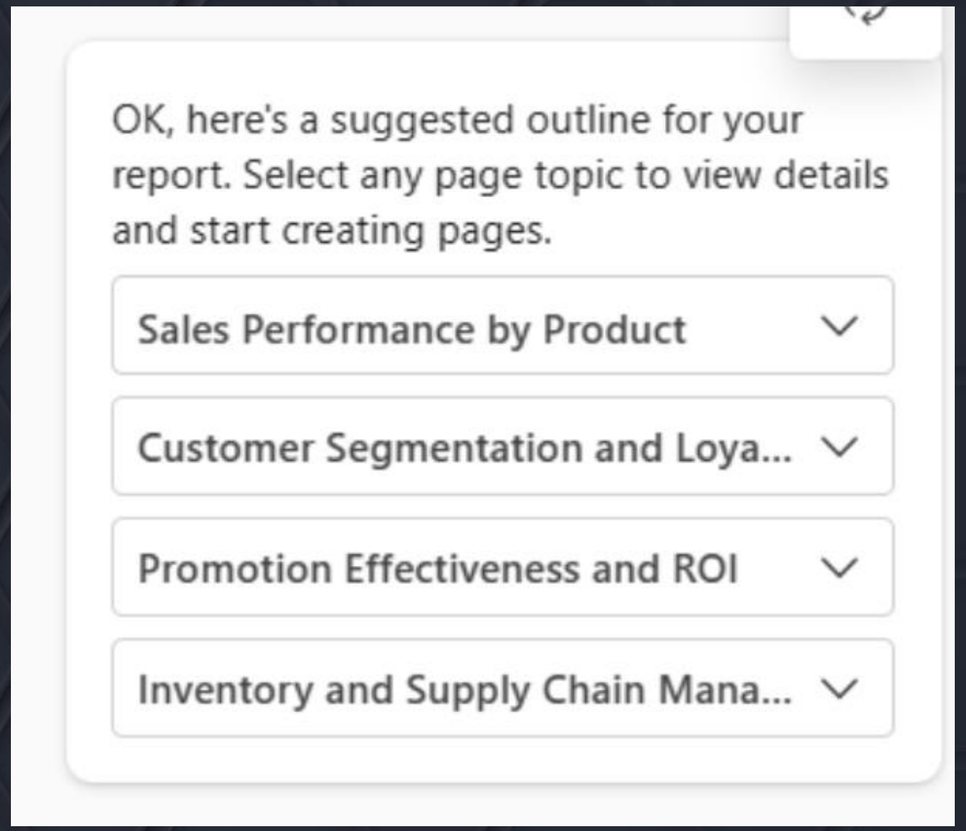
Power BI Copilot *(In Public Preview)*

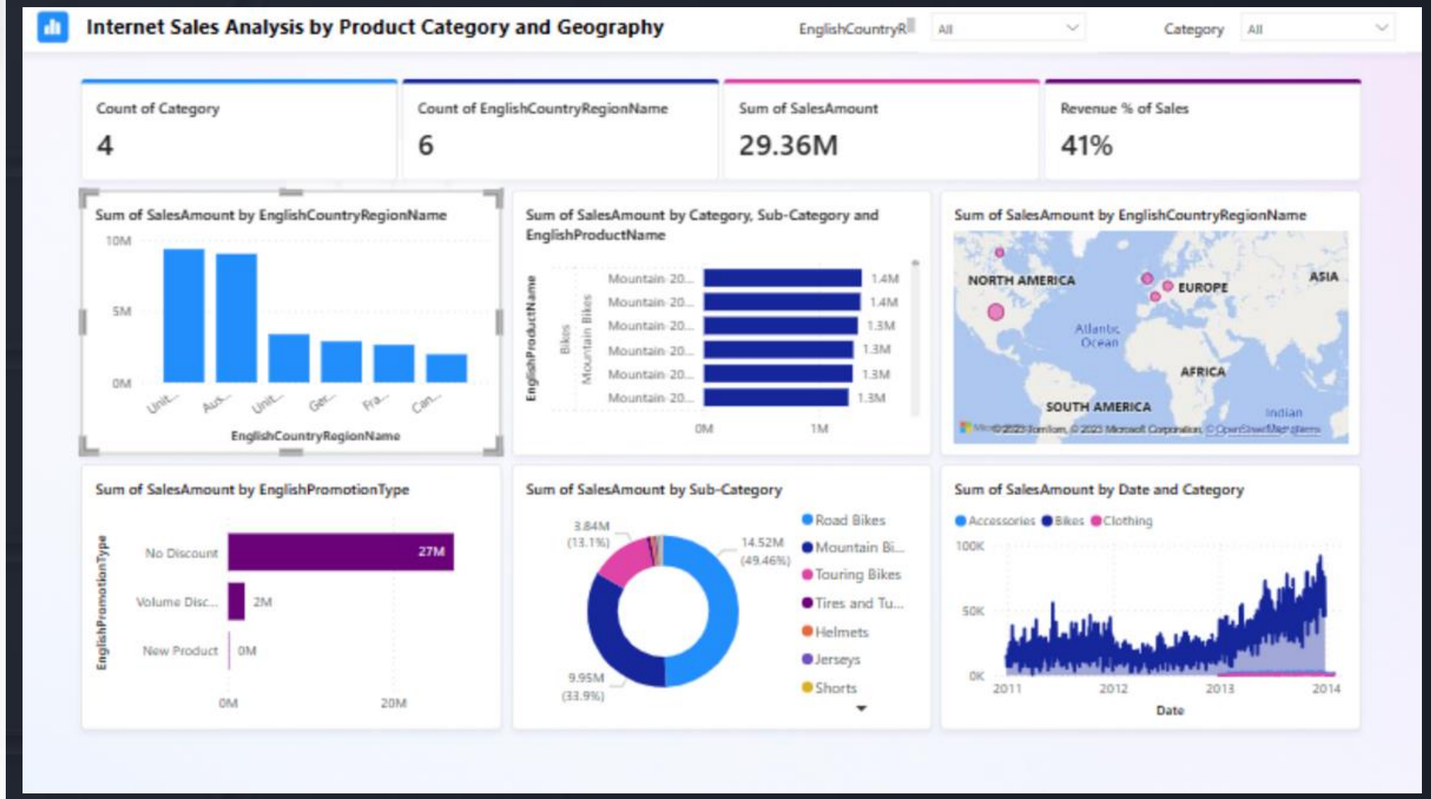
What can it actually do?

- A report outline of suggested pages
- A narrative visual
- A summary response about your report content
- Descriptions for your semantic model measures

Power BI CoPilot *(In Public Preview)*

Create an outline of a report based on my dataset “internet sales”:





**Requires F64 or P1 Capacity*

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Limitations

From the Fabric documentation

- **Copilot can't understand complex intent.**
  - For example, suppose you frame a prompt like: "Generate a report to show incidents by team, incident type, owner of the incident, and do this for only 30 days." This prompt is complex, and Copilot will probably generate irrelevant visuals.

- **Copilot doesn't produce a message for the skills that it doesn't support.**
  - For example, if you ask Copilot to edit or add a slicer, it won't complete the instruction successfully as mentioned above. Unfortunately, ***it will not give an error message either.***

How do you ensure accuracy?

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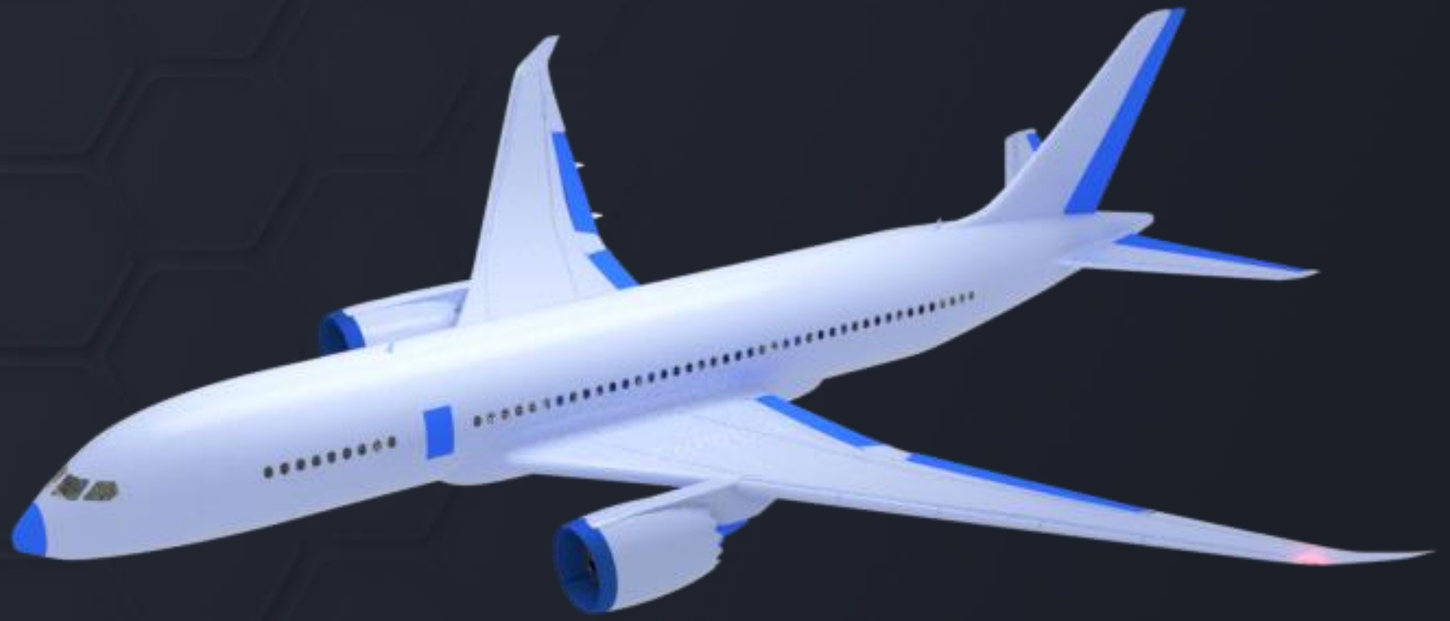

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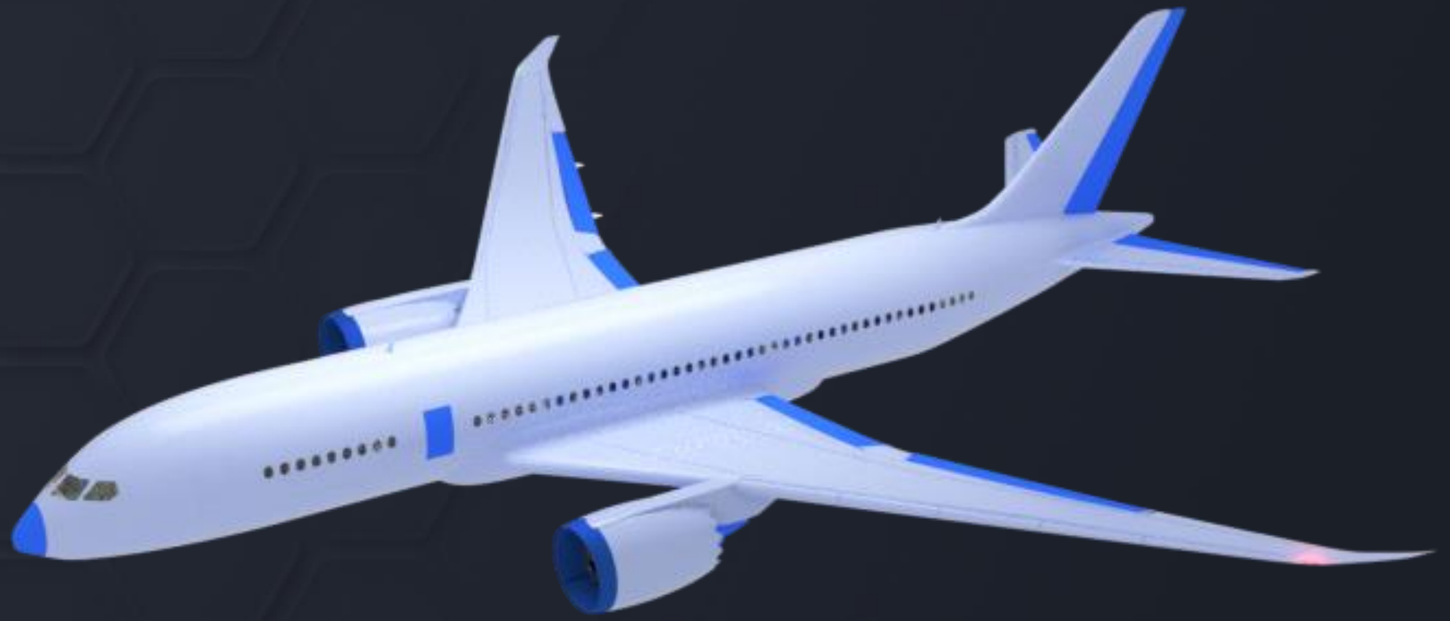

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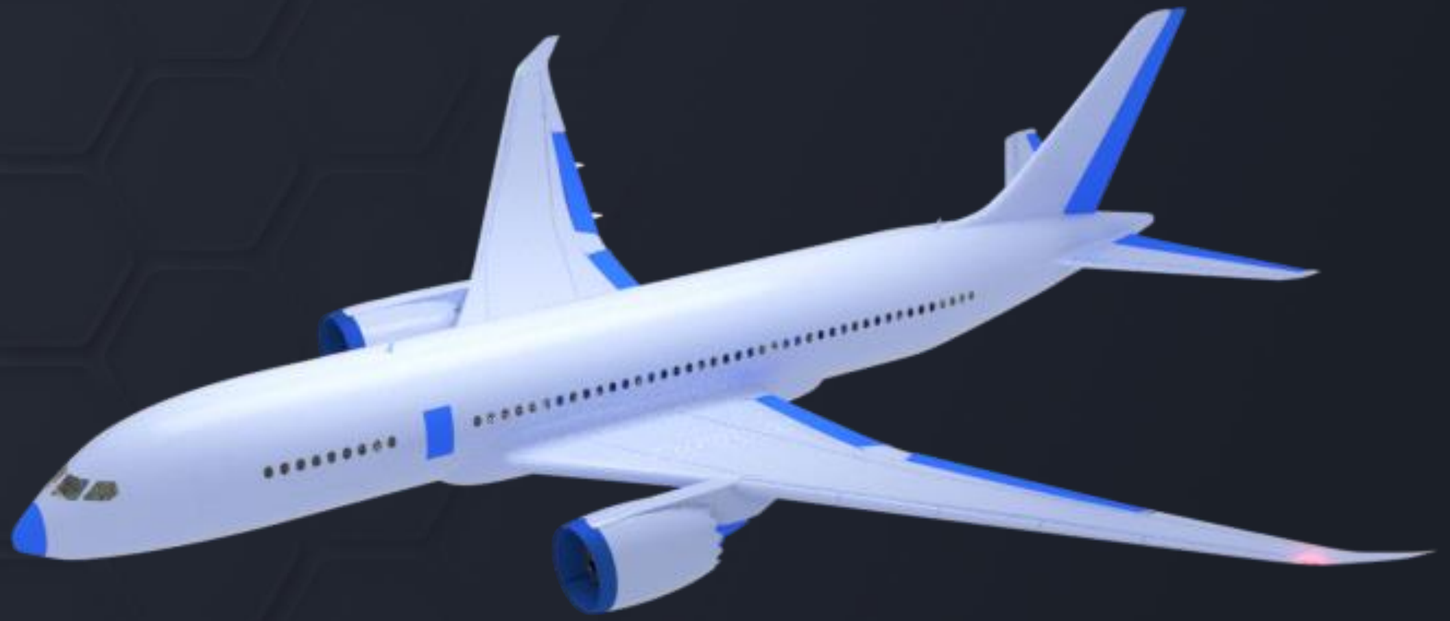

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Data Warehouse
databricks
snowflake
MySQL
BI Tool
Looker
+ableau
Power BI
Good Report
Compliance Risk Reports
Duplicated Reports
Bad Data Reports
Never Used Reports

BI Sprawl leads to major problems!

- Overspending
- Security Issues
- Governance Risks
- Misrepresentation of data

How do you manage this?

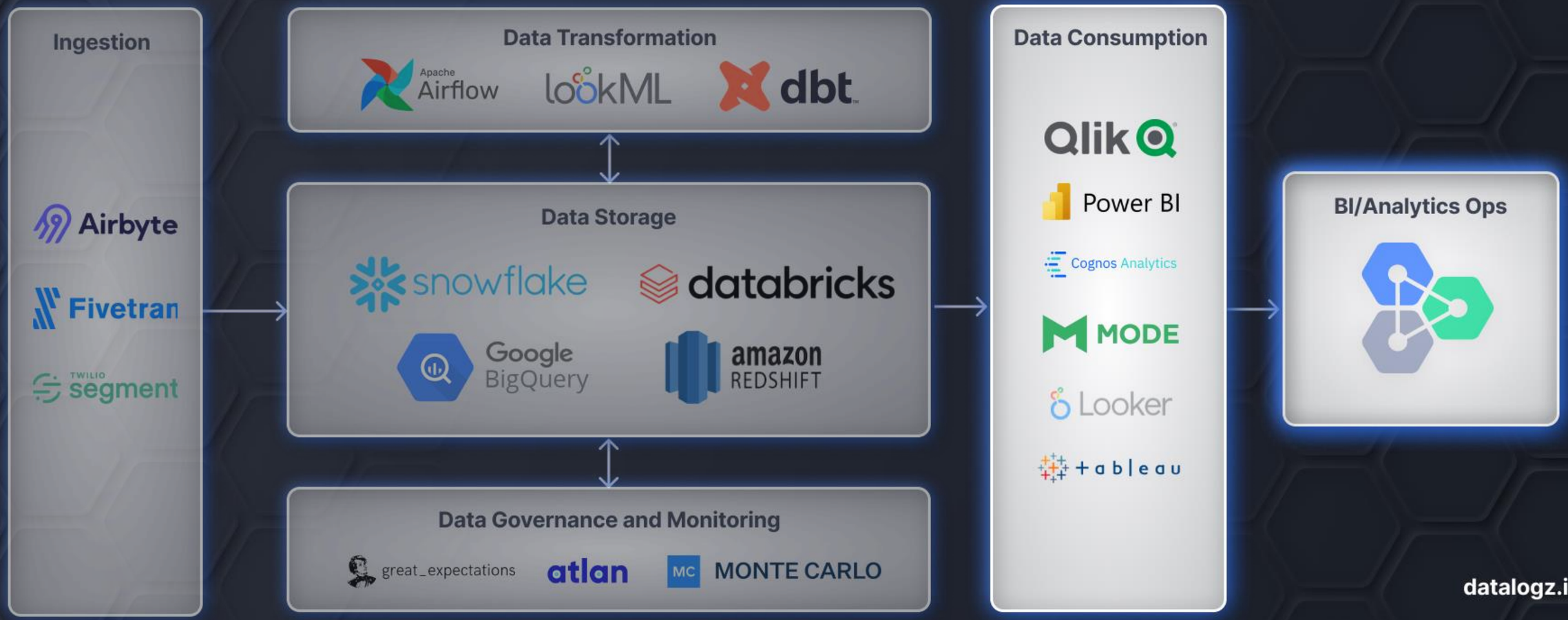
With BI Ops

What is BI Ops?

BI Ops creates the guardrails that make enterprise-wide BI initiatives successful. Fundamentally, it is a set of processes and technologies that enable you to be successful with your BI initiatives.

- Catch and fix real-time data risks.
- Flag anomalies in the BI environment.
- Cut costs and increase BI efficiency.

BI Ops in the data ecosystem



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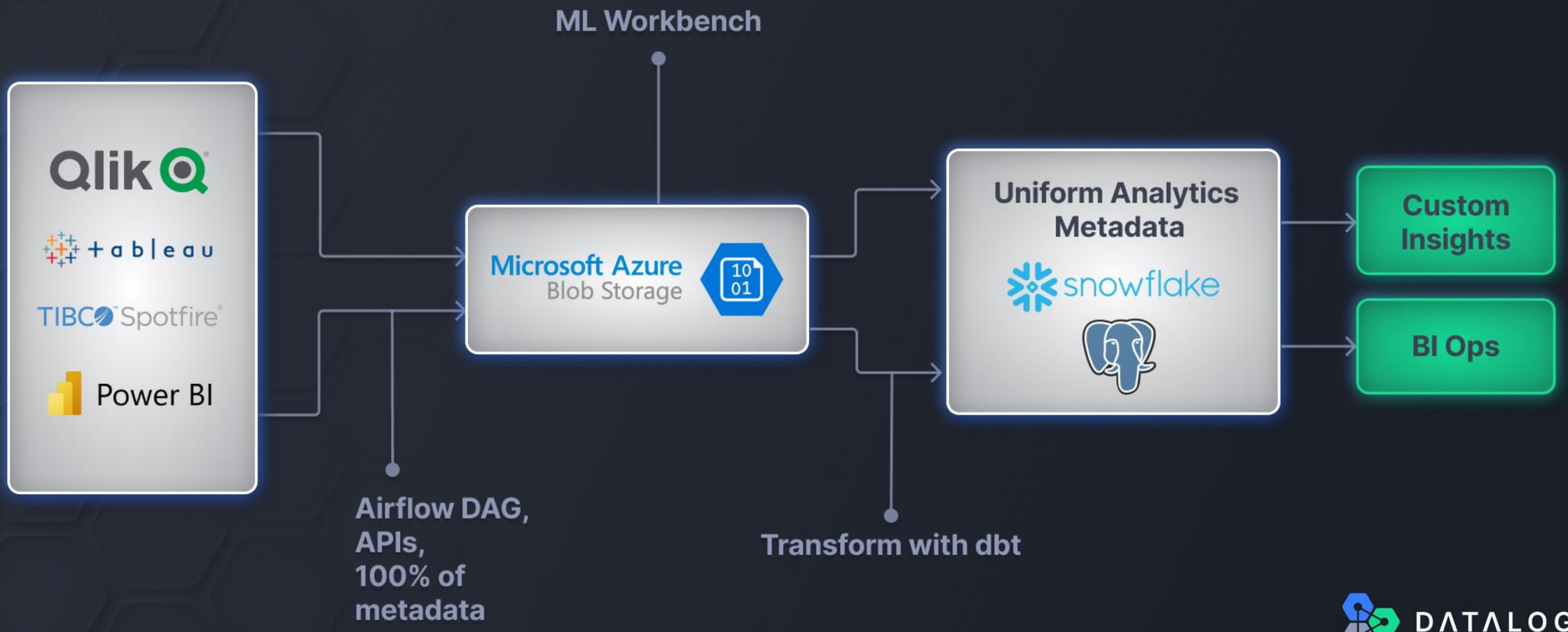
Step 1: Automatically extract & unify BI metadata

Datalogz's default SaaS Infrastructure



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Step 2: Understand your existing BI environments

We ***ingest BI metadata*** and ***create insights*** to instantly understand your environment and problems that exist

- **Knowing your BI landscape:** Number and nature of data sources
- **Understand Scale:** Approximate size of data sources and number of tables/files
- **Understand Compute:** Refresh frequency and/or streaming requirements
- **Find Migration Opps:** Identify the most complex data models, reports, and business logic
- **Govern & Access:** PHI/PII leading to RLS, tokenization, encryption, RBAC, Roles
- **Rogue Data:** Unendorsed datasets consumed regularly
- **Usage Patterns:** Power Users, underutilized licenses, and problem creators
- C**larity of Ownership:** identify owner of each asset and orphaned assets
- **Custom Insights:** N-Printing, Vizlib, App Metadata, Audit Events

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Step 3: Automate BI Clean Up

Priority	Issue	Asset Name	Category	Project	Asset Owner
High	Unused Workbook	extend leading-edge communities	Quality	Public Relations	Cassandra Smith
High	Unused Workbook	seize clicks-and-mortar markets	Quality	Engineering	Kimberly Blake
High	Uncertified Dataset	deploy plug-and-play communities	Quality	Operations	Calvin Armstrong
High	Unused Workbook	implement virtual e-tailers	Quality	Research and Development	Joshua Peck
High	Unused Workbook	monetize visionary mindshare	Quality	Sales	Curtis Lopez
High	Unused Workbook	engineer ubiquitous technologies	Quality	Quality Assurance	Kelly Jackson
High	Uncertified Dataset	enhance enterprise web services	Quality	Production	Paul Harrington
High	Unused Workbook	disintermediate best-of-breed bandwidth	Quality	Customer Support	Charles Alexander
High	Unused Workbook	monetize holistic infrastructures	Quality	Procurement	Raymond Hogan
High	Unused Dataset	facilitate robust e-business	Cost	Procurement	Kendra Cooper

1. Automatically assign unused, duplicate, and orphaned to businesses to clean up before a migration
2. Remove garbage in source systems before migration
3. Reduce migration costs by reducing the volume
4. Reduce migration time by 30%* *(*based on similar clients)*

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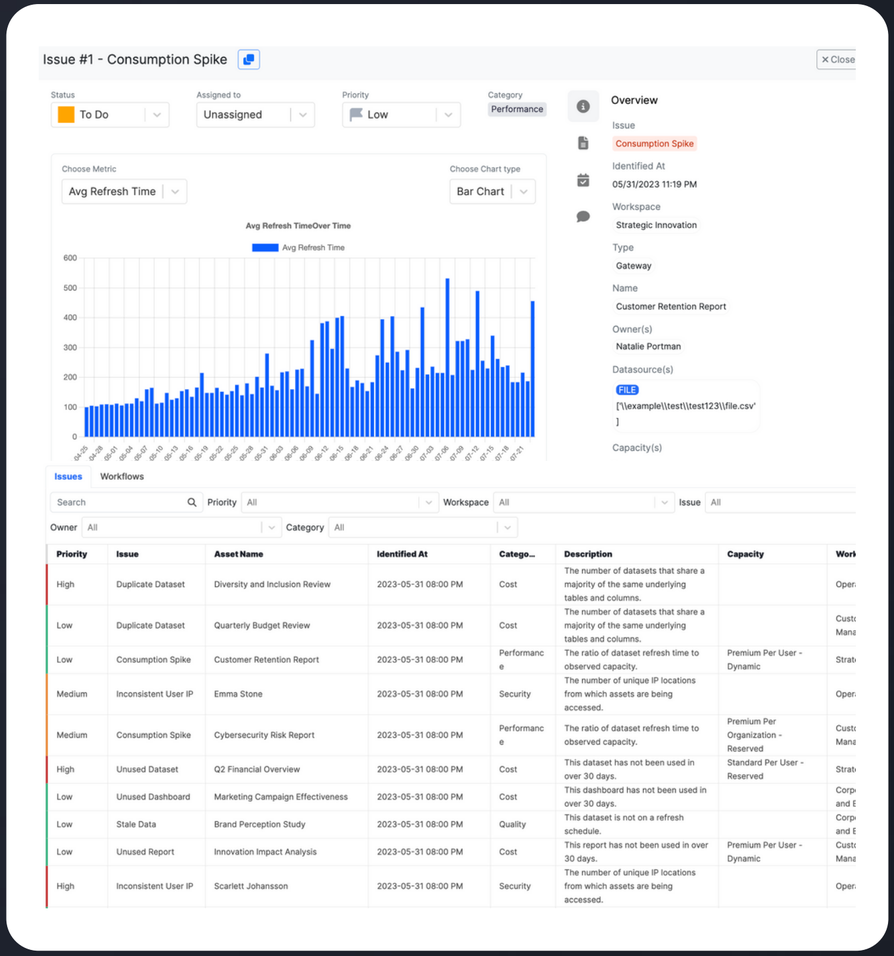
Step 4: Manage BI Governance, Operations & Admin

- Downtime is happening to users
- Stale data is being viewed by users
- Unused reports and dashboards
- Inconsistent metrics or reports
- Duplicate datasets causing unnecessary costs and confusion
- Unendorsed datasets consumed regularly
- Sensitive data being downloaded or shared
- Overconsumption of resources causing slowness and errors
- Odd behavioral patterns based on activity and user groups



Connect

STEP 1
Select a datasource type to connect

STEP 2
Authentication and Connect

STEP 3
Choose Workspace(s)

STEP 4
Schedule and Finish

Power BI

Tableau

Qlik

STEP 1
Select a datasource type to connect

STEP 2
Authentication and Connect

STEP 3
Choose Workspace(s) by Capacity

STEP 4
Schedule and Finish

Connect to PowerBI

See Instructions for SP

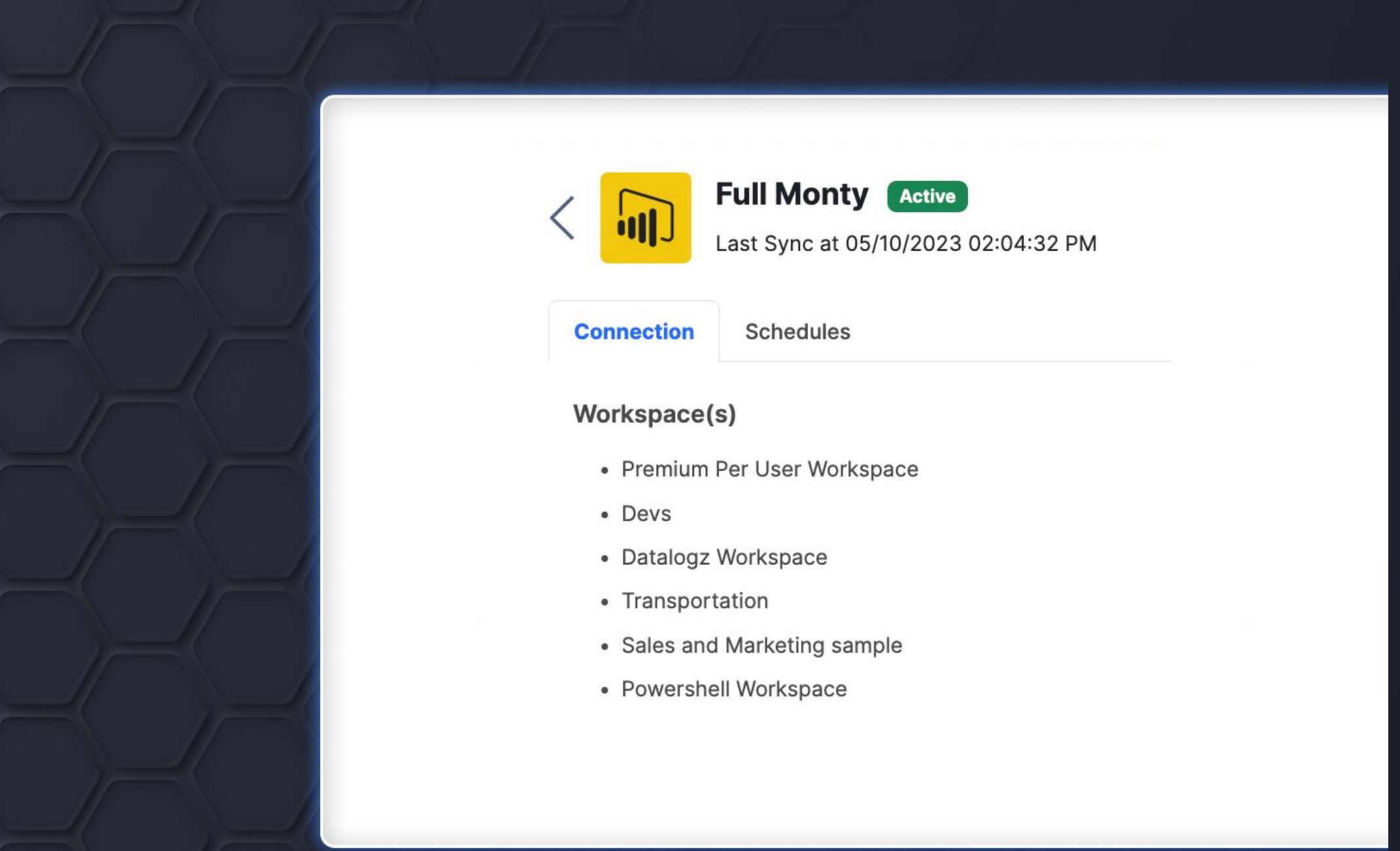
Connect using a Service Principal (SP)

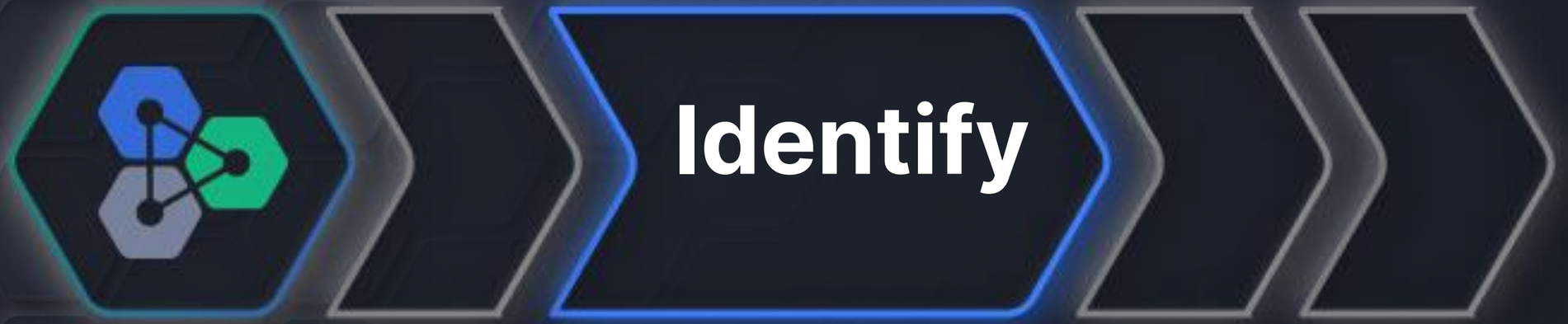
Access read-only admin APIs and metadata. Requires enabling service principal authentication for read-only admin APIs in the PowerBI Service admin settings.

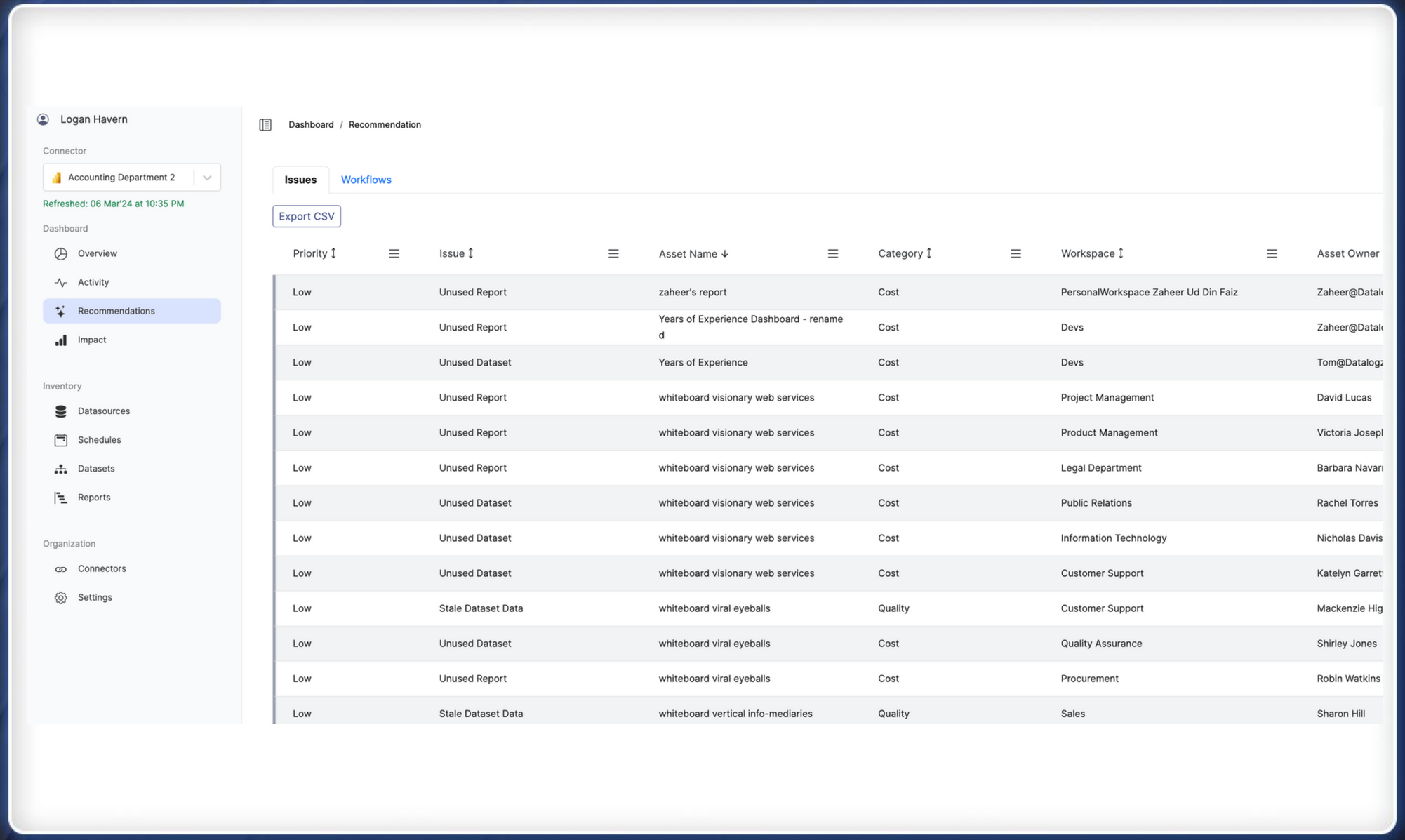
Connect as a Microsoft 0365 Admin

Access read-only admin APIs and metadata. Requires a Microsoft 0365 Global Administrator to approve the requested read-only permissions.

Back


Full Monty
Active
Last Sync at 05/10/2023 02:04:32 PM
Connection
Schedules
Workspace(s)
Premium Per User Workspace
Devs
Datalogz Workspace
Transportation
Sales and Marketing sample
Powershell Workspace

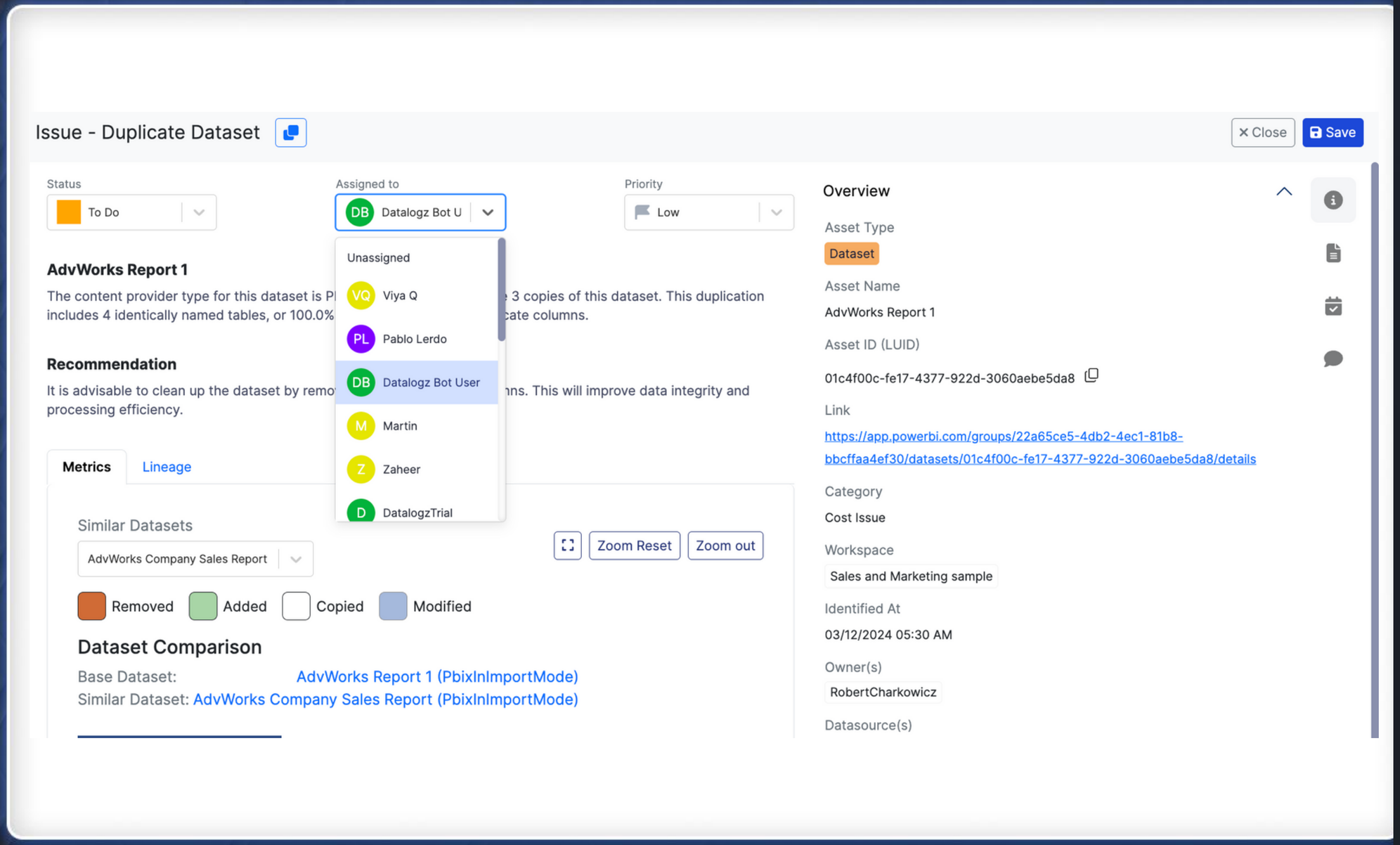

Identify


Logan Havern
Connector
Accounting Department 2
Refreshed: 06 Mar'24 at 10:35 PM
Dashboard
Overview
Activity
Recommendations
Impact
Inventory
Datasources
Schedules
Datasets
Reports
Organization
Connectors
Settings
Dashboard / Recommendation
Issues
Workflows
Export CSV
Priority
Issue
Asset Name
Category
Workspace
Asset Owner
Low Unused Report zaheer's report Cost PersonalWorkspace Zaheer Ud Din Faiz Zaheer@Datal
Low Unused Report Years of Experience Dashboard - renamed Cost Devs Zaheer@Datal
Low Unused Dataset Years of Experience Cost Devs Tom@Datalog
Low Unused Report whiteboard visionary web services Cost Project Management David Lucas
Low Unused Report whiteboard visionary web services Cost Product Management Victoria Josep
Low Unused Report whiteboard visionary web services Cost Legal Department Barbara Navar
Low Unused Dataset whiteboard visionary web services Cost Public Relations Rachel Torres
Low Unused Dataset whiteboard visionary web services Cost Information Technology Nicholas Davis
Low Unused Dataset whiteboard visionary web services Cost Customer Support Katelyn Garret
Low Stale Dataset Data whiteboard viral eyeballs Quality Customer Support Mackenzie Hig
Low Unused Dataset whiteboard viral eyeballs Cost Quality Assurance Shirley Jones
Low Unused Report whiteboard viral eyeballs Cost Procurement Robin Watkins
Low Stale Dataset Data whiteboard vertical info-mediaries Quality Sales Sharon Hill

Identify & Automate

- Downtime is happening to users
- Stale data is being viewed by users
- Unused reports and dashboards
- Costly datasets going unused
- Duplicate datasets causing unnecessary costs and confusion
- Unendorsed datasets consumed regularly
- Sensitive data being downloaded or shared
- Overconsumption of resources causing slowness and errors
- Unused premium features causing unnecessary licensing and dataset costs

Action


Issue - Duplicate Dataset
Close
Save
Status
To Do
Assigned to
DB Datalogz Bot U
Priority
Low
Unassigned
VQ Viya Q
PL Pablo Lerdo
DB Datalogz Bot User
M Martin
Z Zaheer
D DatalogzTrial
AdvWorks Report 1
The content provider type for this dataset is P
3 copies of this dataset. This duplication
includes 4 identically named tables, or 100.0%
cate columns.
Recommendation
It is advisable to clean up the dataset by remo
ns. This will improve data integrity and
processing efficiency.
Metrics
Lineage
Similar Datasets
AdvWorks Company Sales Report
Zoom Reset
Zoom out
Removed
Added
Copied
Modified
Dataset Comparison
Base Dataset: AdvWorks Report 1 (PbixInImportMode)
Similar Dataset: AdvWorks Company Sales Report (PbixInImportMode)
Overview
Asset Type
Dataset
Asset Name
AdvWorks Report 1
Asset ID (LUID)
01c4f00c-fe17-4377-922d-3060aebe5da8
Link
https://app.powerbi.com/groups/22a65ce5-4db2-4ec1-81b8-bbcffaa4ef30/datasets/01c4f00c-fe17-4377-922d-3060aebe5da8/details
Category
Cost Issue
Workspace
Sales and Marketing sample
Identified At
03/12/2024 05:30 AM
Owner(s)
RobertCharkowicz
Datasource(s)

Track

30% Reduction in BI costs

- 7,000 Datasets Consolidated
- 4,000 Licenses Removed/Consolidated
- 500 Refresh Schedule Changed

Client Example Fortune 100

Category	Annual BI Cost *Power BI*	Reduction *Client Avg.*	Annual Savings *Datalogz identified*	How?
Licensing	$720,000 40,000 pro & 3,000 premium licenses	20%	$144,000	• Identify Unused Premium Features • Inactive PPU Users
Premium Capacities	$15,000,000 25 capacities, 50k per capacity per month	30%	$4,500,000	• Automate lifecycle management • Remove duplication • Dataset Consolidation • Archival & Deprecation
Warehouse (Snowflake)	$276,000 12 TB data, 40,000 reports	50%	$138,000	• Datasource consolidation • Column reduction • Remove duplication • Partitioning and Clustering Performance **(Snowflake)**
Total	$15,996,000	30%	**$4,782,000**	

60 Days of Engineering Time Reduced

- Tenant and Activity Inventory Persisted
- 1,200 Automation and Bulk Actions
- Chargeback BI automated

BI Ops on Time & Manual Efforts

A typical large-size Fortune 100 company faces

22,000 BI-related problems / year

with an average **1 hour / each to clear.**

These problems range from:

- ***Fixing failed refreshes***
- ***Dataset duplication***
- ***Unused reports***

With an average hourly rate of **$70**, that‘s another

$1.5M expense on managing BI assets

Even if without BI-related problems, managing BI assets and conducting maintenance of BI workplaces are time consuming. Extra manual tasks that BI teams have to deal with include:

- ***Assigning user roles and access***
- ***Validating KPI’s within BI reports***
- ***Workspace activity monitoring***

Considering 0.2 hour/week on each BI asset, with teams (average $70/hr) working on 6,000 BI assets per year (40 weeks), that's an

Additional $3.4M expense on managing BI assets

Thousands of Risks Identified

- 200+ Report Duplication
- 2,000 similar measures
- 1,800 Repeated use with stale data

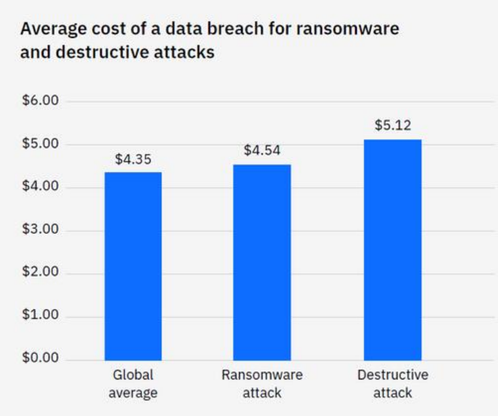
BI Ops on compliance & risks

Managing a massive virtual workplace with increasing BI assets brings risks in data breaches, policy non-compliance, and data misrepresentation. This could cost a typical Fortune 100 company

This could cost a typical Fortune 100 company at least $32M on average to recover.

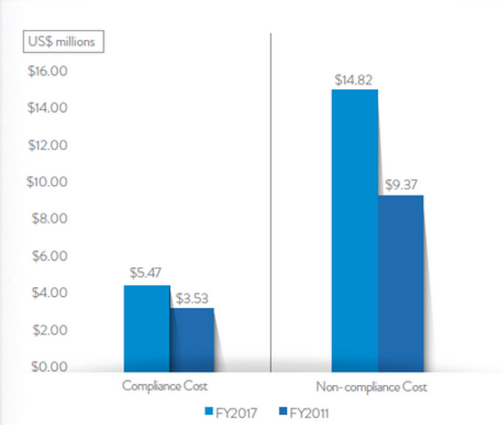
Data Breach [1]

$4.4M



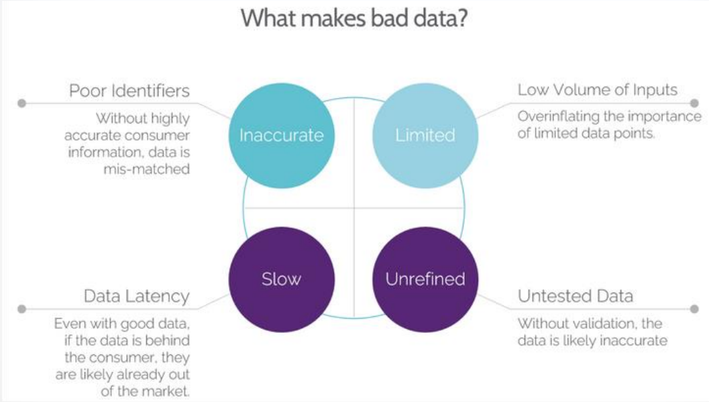
Policy non-compliance [2]

$14.8M



Data Misrepresentation [3]

$12.9



[1] IBM's Cost of a Data Breach Report 2022 (link to the latest report: https://www.ibm.com/reports/data-breach)
[2] Globalscape's Report "The True Cost Of Compliance With Data Protection Regulations" (link to report: https://static.helpsystems.com/globalscape/pdfs/guides/gs-true-cost-of-compliance-data-protection-regulations-gd.pdf)
[3] Gartner's Report "How to Improve Your Data Quality" (link to report: https://www.gartner.com/smarterwithgartner/how-to-improve-your-data-quality)

Build a BI Ops strategy with Datalogz

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