



Empower your teams with the latest Prophecy innovations



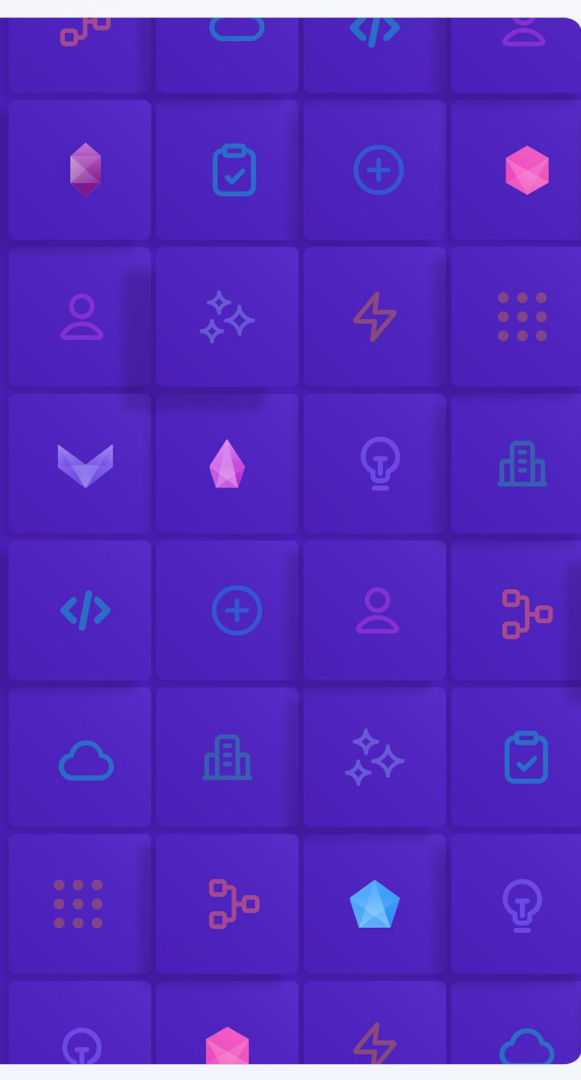
Nathan Tong
Sales Engineer



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User Advocate



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Fullstack Software and Data Engineer



Agenda

Today's main objective: Prophecy Platform Update for all Data Users

Will there be
demos?

Yes! In 5 mins!

Can I ask
questions?

Best question in Q/A
tab wins a Bluetooth
Speaker!

Clean, trusted data fuels AI & analytics

Organizations that use high-quality, well-governed data are 3x more likely to see AI success (source: Gartner)

Operational Data

Applications



OLTP Databases



Data
Engineer



Data
Analyst

Ingest

Filter, clean,
augment

Aggregate

Analytics



Business Intelligence

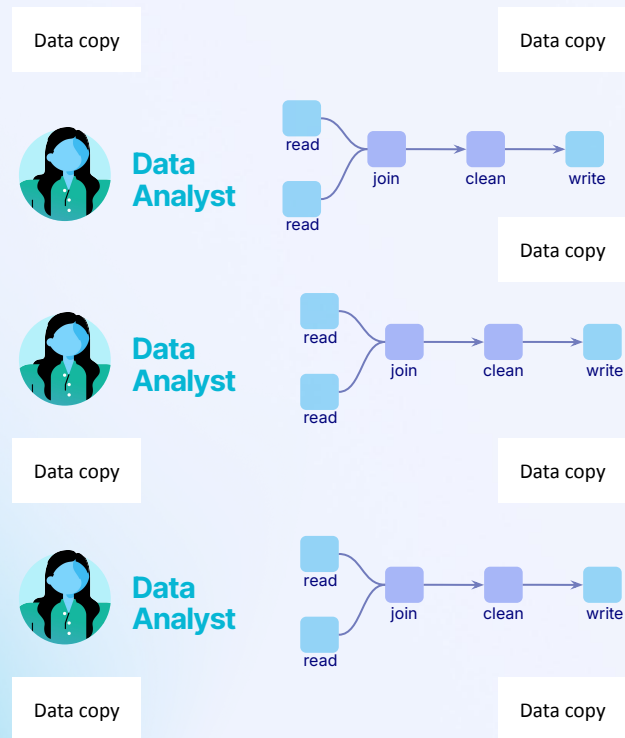


Reporting



Machine Learning,
Generative AI

Analysts can prepare data on their own... But now you've introduced more risk.



Governance risk



Cost

Engineering rework, as analysts use tools not built for production.



Quality

Are analysts using the right data?
Following company standards?



Security

Data copies make permissions management a nightmare.

What the business demands

Self-service

Data analysts prepare data
on their own

Data
Analyst



+

Governance

Working within guardrails set by the
central data platform team

Data
Engineer



Prophecy apps

Business-facing apps for advanced analytics



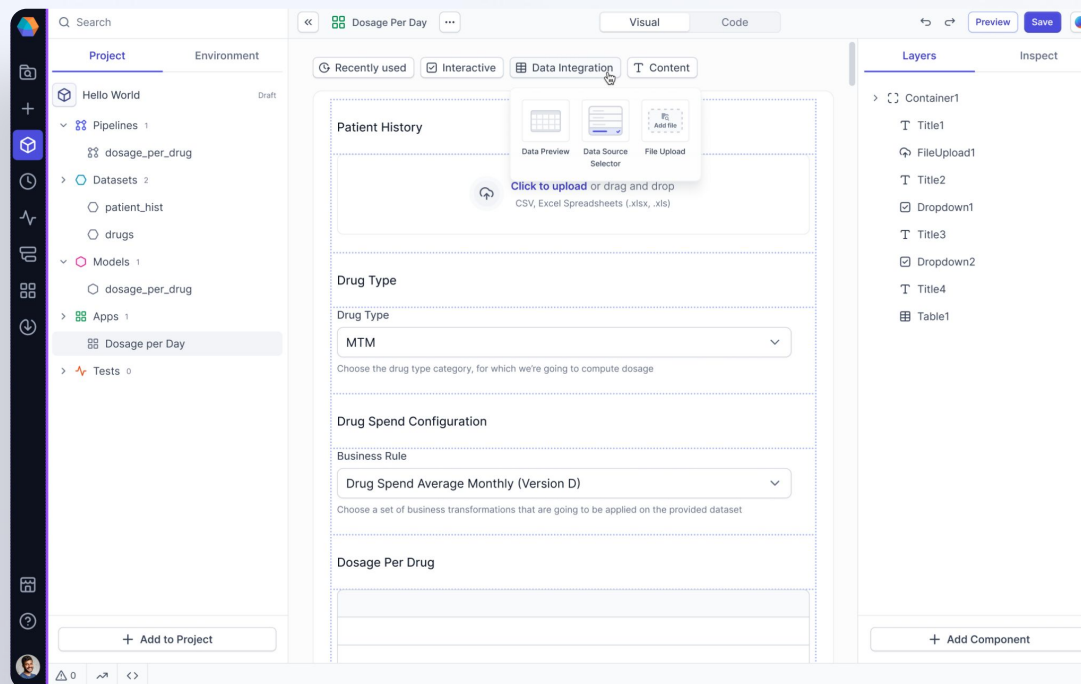
Higher quality

Easy access to common, potentially complex analytics through standard, reusable components.



Cost control

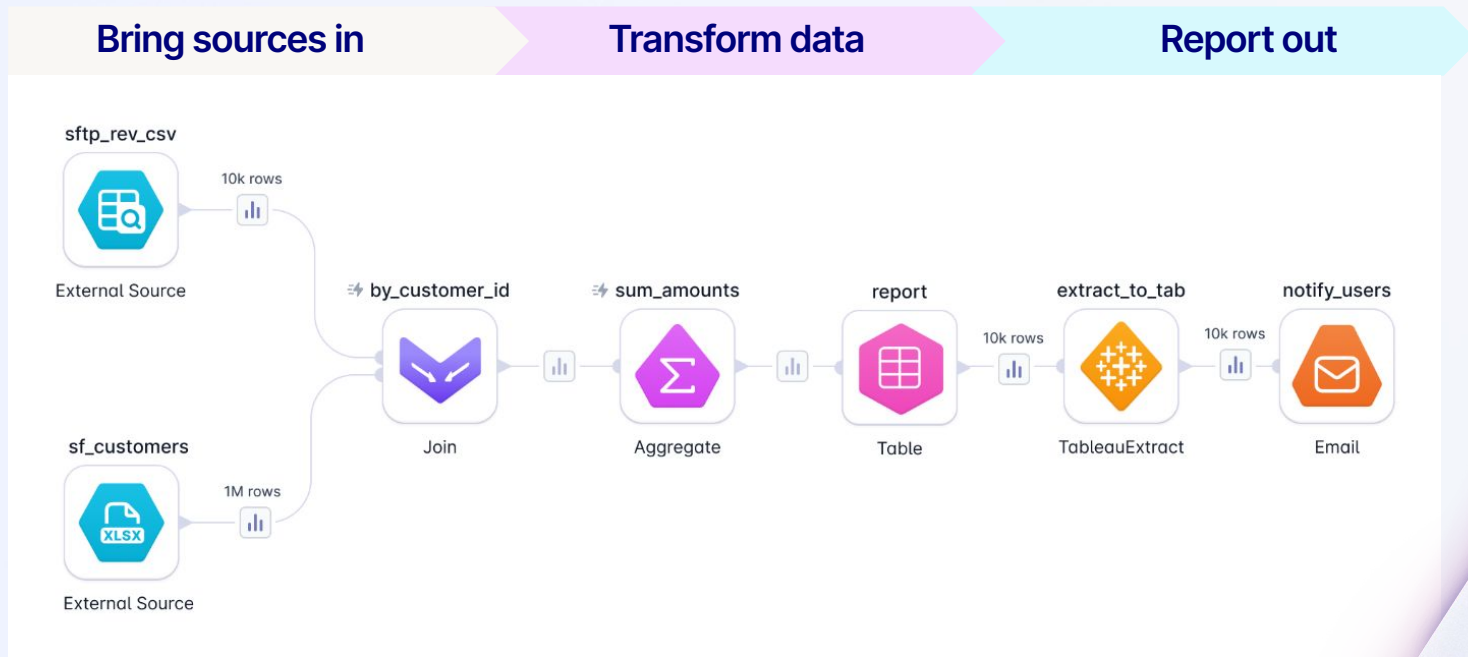
Reduce repetitive effort and eliminate suboptimal pipelines by enabling experts to build pre-configured workflows for the business.



Demo



A familiar, drag-and-drop interface covering end-to-end data prep



The background features decorative geometric shapes in the corners. The top-right corner has a purple and white triangular pattern. The bottom-left corner has a blue and white triangular pattern. The word "Demo" is centered in a bold, dark blue font.

Demo

A decorative white line graphic is located in the upper left quadrant of the slide. It consists of a series of connected rectangular and L-shaped segments, resembling a stylized path or a simplified organizational chart structure.

**Streamline governance
to reduce risk**

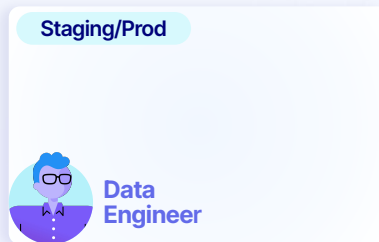
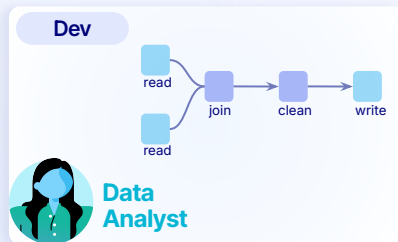
A large, dark purple triangle is located in the bottom left corner of the slide. It is oriented with its base at the bottom and its apex pointing towards the top right, partially overlapping the main text area.



Demo

Collaborative & Simplified version control

All the power of Git, with none of the complexity

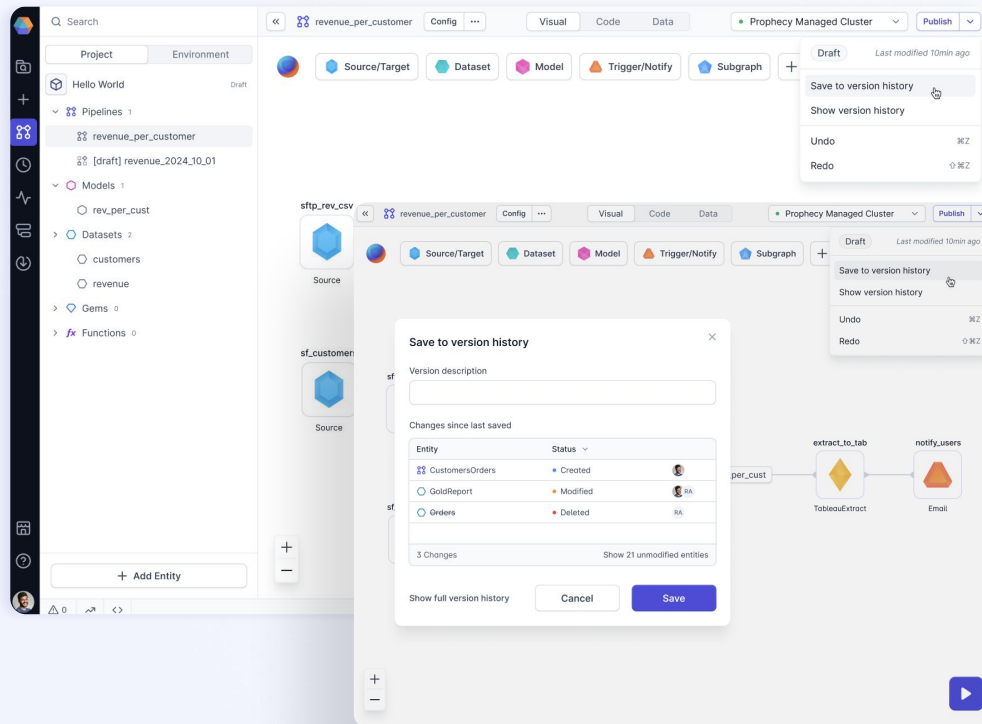


Higher quality

Analysts can easily share their pipelines with colleagues, including expert data engineers. Engineers review and refine, ensuring pipelines meet performance and quality standards before going into production.

Cost control

Git serves as a “control point”. Data engineers can promote pipelines to production after they’re fully tested and optimized.



Prophecy Packages

Enforce pipeline best practices

Higher quality



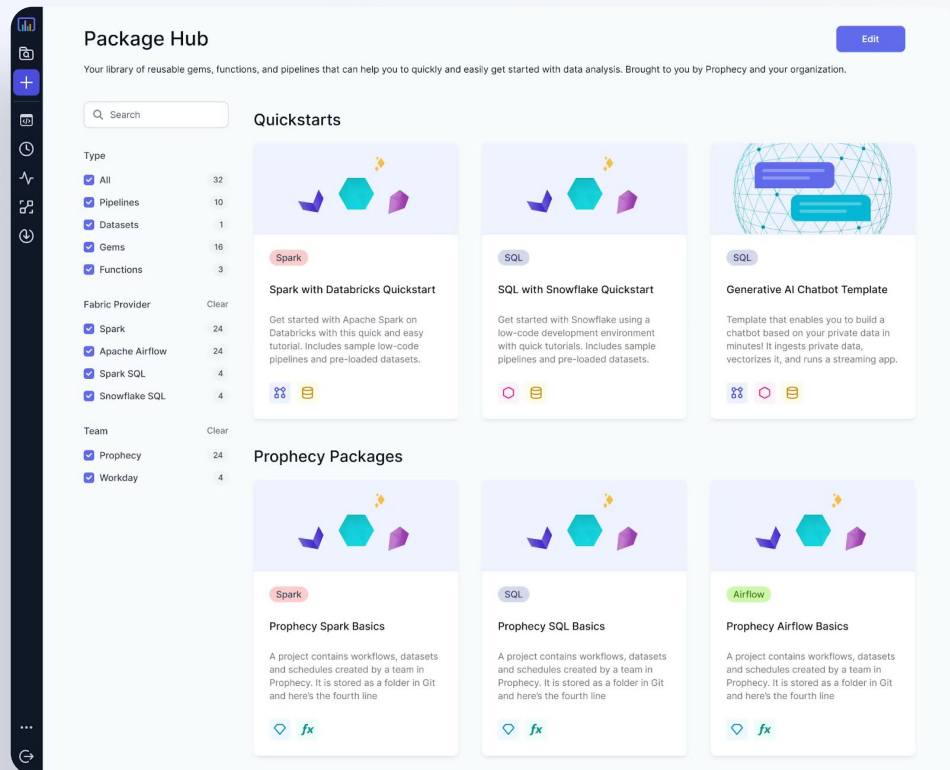
Collaborate



Central data teams share standard pipeline operations with data analysts.

Analysts build compliant, high-quality pipelines.

- **Simplify discovery** of standard, reusable pipeline components through a single, searchable hub of packages
- **Facilitate collaboration** as platform leads & architects share standard types of transformations with data engineers & analysts
- **Enable best practices** by promoting a standardized & common approach to building data pipelines



Package Hub

Your library of reusable gems, functions, and pipelines that can help you to quickly and easily get started with data analysis. Brought to you by Prophecy and your organization.

Search

Quickstarts

- Spark**

Spark with Databricks Quickstart

Get started with Apache Spark on Databricks with this quick and easy tutorial. Includes sample low-code pipelines and pre-loaded datasets.
- SQL**

SQL with Snowflake Quickstart

Get started with Snowflake using a low-code development environment with quick tutorials. Includes sample pipelines and pre-loaded datasets.
- SQL**

Generative AI Chatbot Template

Template that enables you to build a chatbot based on your private data in minutes! It ingests private data, vectorizes it, and runs a streaming app.

Prophecy Packages

- Spark**

Prophecy Spark Basics

A project contains workflows, datasets and schedules created by a team in Prophecy. It is stored as a folder in Git and here's the fourth line
- SQL**

Prophecy SQL Basics

A project contains workflows, datasets and schedules created by a team in Prophecy. It is stored as a folder in Git and here's the fourth line
- Airflow**

Prophecy Airflow Basics

A project contains workflows, datasets and schedules created by a team in Prophecy. It is stored as a folder in Git and here's the fourth line



**Data analysts can get
started now, securely**

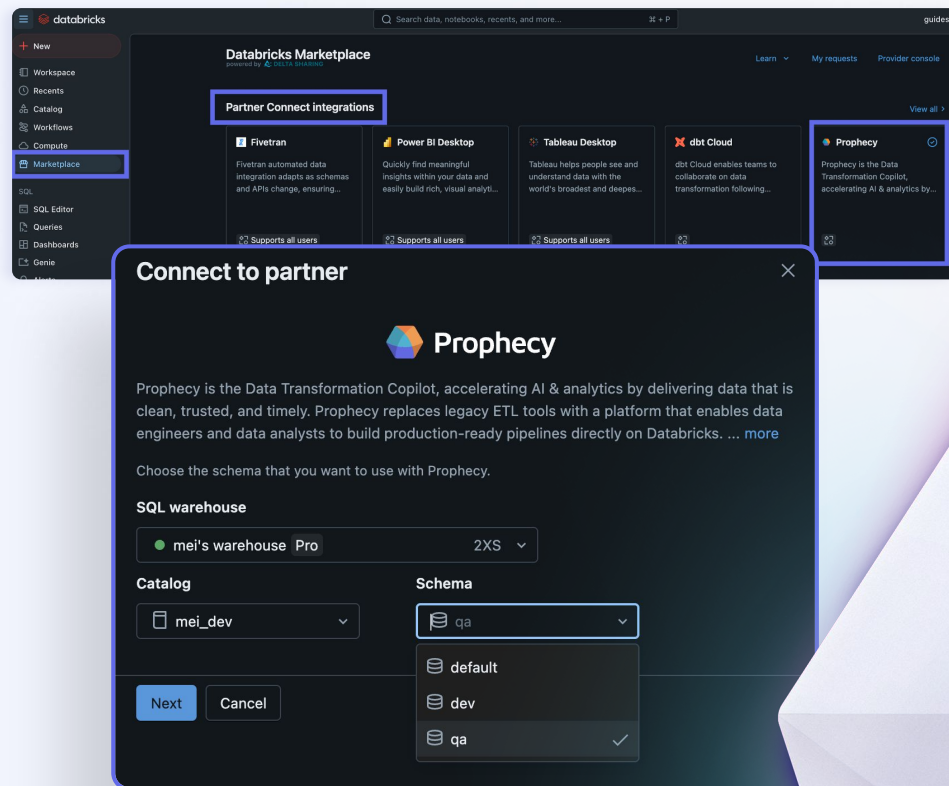
Databricks Partner Connect w/ OAuth

Before Partner Connect with OAuth:

- Required manual setup
- Admin-only access: Most users had no access to Prophecy via Partner Connect

Benefits of Partner Connect with OAuth

- Use their existing environment on Prophecy without additional setup.
- Access for all users: admins and business users can integrate with Prophecy without requiring special privileges.
- PAT tokens are no longer needed since users can utilize their existing Databricks environment without additional setup.





Prophecy Secure by design

Prophecy was designed to meet the rigorous security requirements of the world's largest enterprises, including those in highly regulated industries

Industry leaders trust Prophecy to support their data operations.

AMGEN

 Microsoft

 HSBC

RALPH LAUREN


J.P.Morgan

Authentication

Authentication methods, including Single Sign-On (SSO) and Multi-Factor Authentication (MFA), ensure only authorized individuals can access the platform.

Authorization

Role-Based Access Control (RBAC) enforces a "least privilege" model, granting users only the permissions they need.

Auditing

Detailed auditing capabilities log all user and admin activities for complete transparency and accountability.

Data protection

Data is protected through encryption at rest and in motion, with compliant key management practices to safeguard sensitive information.

The slide features decorative geometric shapes in the corners. The top-right corner has a light purple and white triangular pattern. The bottom-left corner has a light blue and white triangular pattern.

Self service and Governance

...together, at last!

Recap

Prophecy 4.0 Release

** MAJOR IMPROVEMENTS IN 4.0 WITH ANALYST PROJECTS

DEVELOP PIPELINES



COLLABORATE



PACKAGES



NEW IN 4.0

MONITOR WITH PROPHECY AUTOMATE



NEW IN 4.0

ORCHESTRATE WITH PROPHECY AUTOMATE



LINEAGE



AI COPILOT




NEW IN 4.0

BUSINESS APPS





We'd love to hear what you think!



Best question in Q/A tab
wins a bluetooth speaker!



**That concludes our
webinar.**

Thank you for joining us!

A large, stylized 3D pyramid graphic in a lighter shade of blue, positioned in the bottom left corner of the slide.



Feature detail slides



Schedule pipelines with built-in automation

✓ All-in-One Solution.

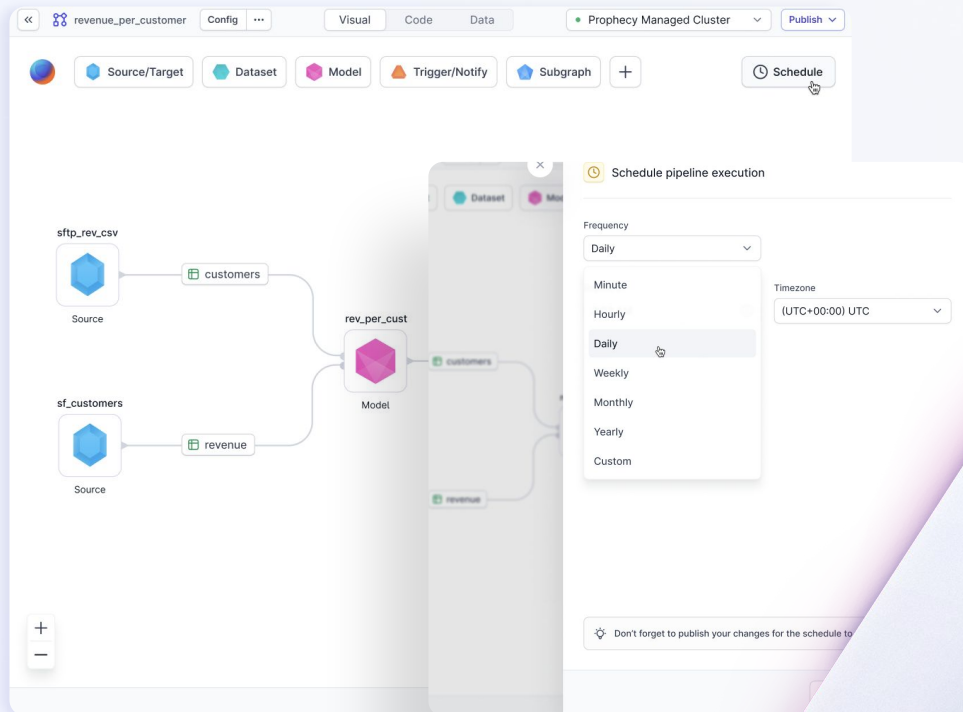
No need for separate orchestration tools. Schedule, manage, and monitor pipelines directly within Prophecy.

✓ Easy for Analysts.

A simple drag-and-drop interface makes scheduling effortless, so analysts can validate and run pipelines on their own.

✓ Seamless Workflow Management.

Build, schedule, and monitor data pipelines in one place, ensuring smooth execution and faster insights.



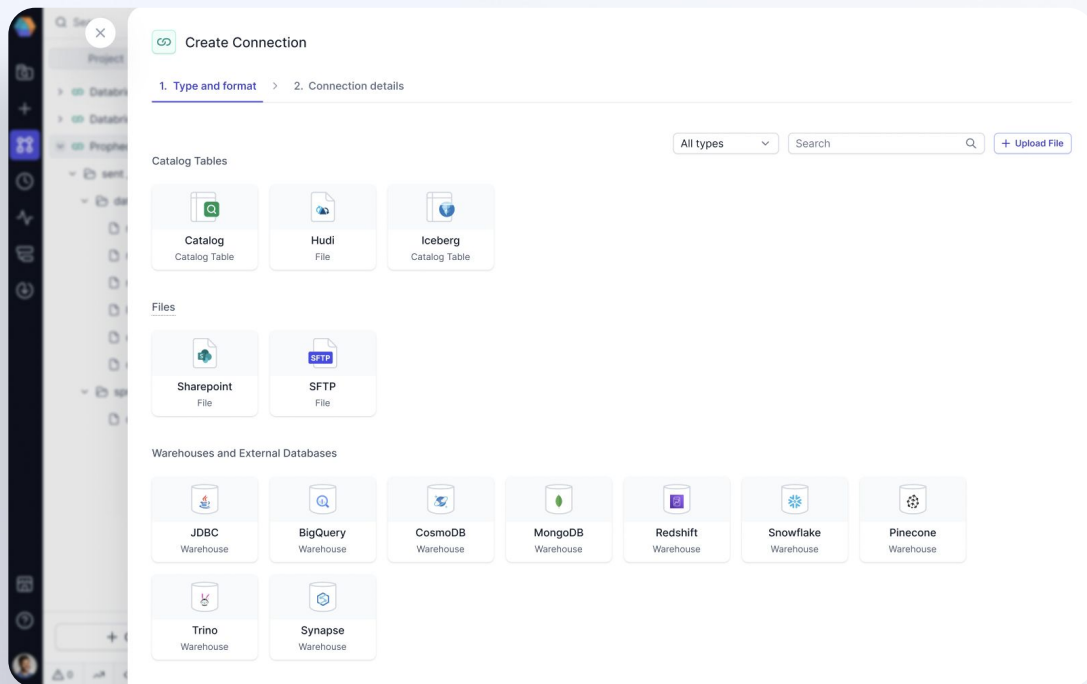
Integration with Databricks Unity Catalog

Honor the permissions you already have in place



Greater security

Reduce risk and simplify audits by ensuring analysts see only the data they're authorized to see.



Greater confidence in AI & analytics with data profiling

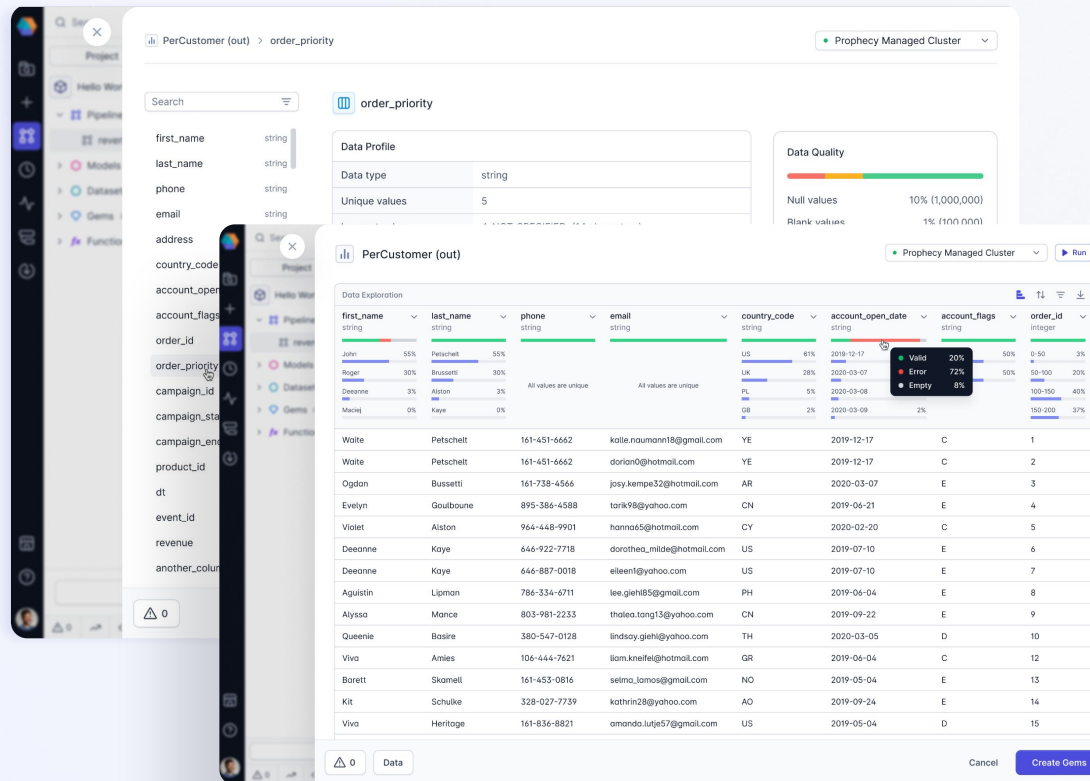
Quality data leads to quality decision-making



Higher quality

Analysts know they're using good data (or not) with an at-a-glance view of the data profile, including value distributions, data completeness.

- **Instant Data Insights.** Quickly understand value distributions, completeness, and null values at a glance, ensuring your data is ready for analysis.
- **Better Data Quality, Fewer Surprises.** Detect anomalies and inconsistencies early, reducing errors in downstream analytics and AI models.
- **Faster, Smarter Decision-Making.** With clear visualizations of data health, teams can confidently transform and use high-quality data without second-guessing.



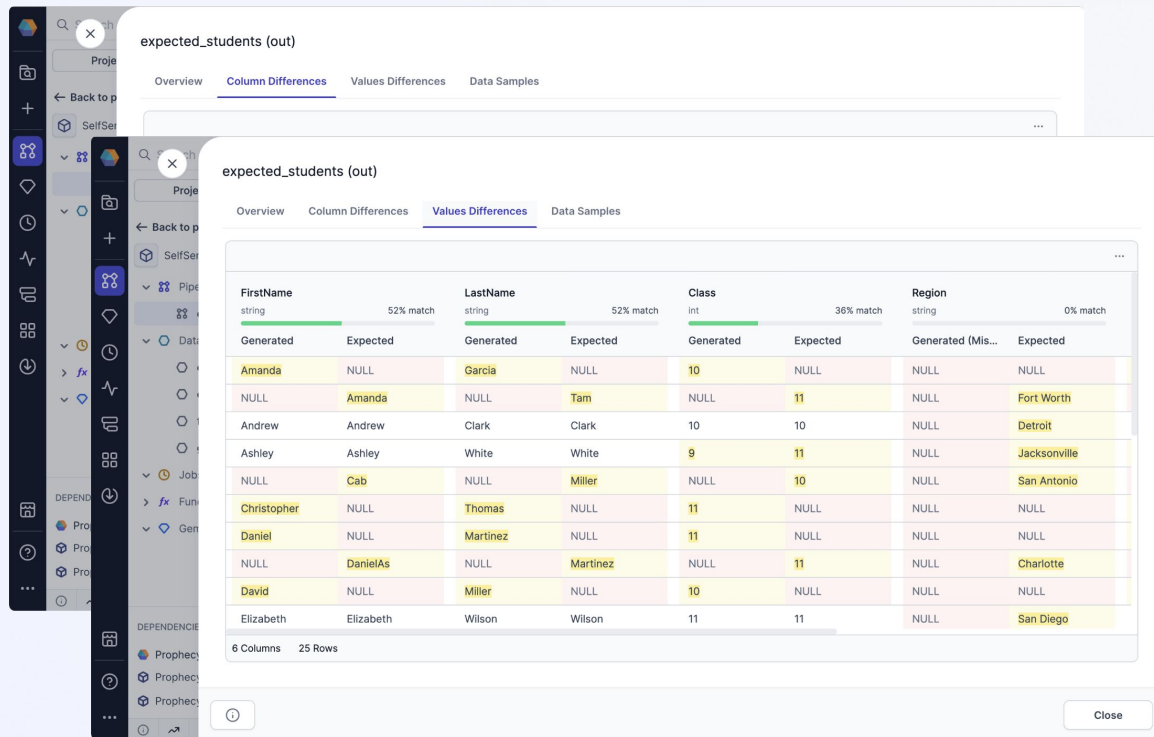
Validate Datasets using Data Diff



Higher quality

Compare generated and expected data.

- **At a glance comparison.** Quickly compare differences across columns and values.
- **Validate data at key steps.** Useful for promoting pipelines to production.
- **Migrate pipelines with confidence.** Easily validate logic by comparing datasets created across different systems.



The screenshot displays the Data Diff tool interface for a dataset named "expected_students (out)". The interface includes tabs for Overview, Column Differences, Values Differences, and Data Samples. The "Values Differences" tab is active, showing a table with 6 columns and 25 rows. The table compares generated data with expected data across four columns: FirstName, LastName, Class, and Region. Each column has a match percentage displayed above it: 52% for FirstName, 52% for LastName, 36% for Class, and 0% for Region. The table rows show specific data points, with some cells highlighted in yellow to indicate differences. A "Close" button is visible in the bottom right corner.

Generated	Expected	Generated	Expected	Generated	Expected	Generated (Mis...)	Expected
Amanda	NULL	Garcia	NULL	10	NULL	NULL	NULL
NULL	Amanda	NULL	Tam	NULL	11	NULL	Fort Worth
Andrew	Andrew	Clark	Clark	10	10	NULL	Detroit
Ashley	Ashley	White	White	9	11	NULL	Jacksonville
NULL	Cab	NULL	Miller	NULL	10	NULL	San Antonio
Christopher	NULL	Thomas	NULL	11	NULL	NULL	NULL
Daniel	NULL	Martinez	NULL	11	NULL	NULL	NULL
NULL	DanielAs	NULL	Martinez	NULL	11	NULL	Charlotte
David	NULL	Miller	NULL	10	NULL	NULL	NULL
Elizabeth	Elizabeth	Wilson	Wilson	11	11	NULL	San Diego