

Accelerating Trusted Data Delivery from Weeks to Hours

By standardizing data quality across complex research environments, the organization reduced manual effort by approximately 95% and delivered priority use cases in 60 days.

Impact at a glance



From 2-3 weeks to hours

Policy and asset promotion



~ 95% less effort

Policy and asset promotion



800+ governed policies

Created and promoted across environments

Executive Summary

A leading global biopharmaceutical company struggled to apply consistent data quality, reconciliation, and policy controls across Snowflake, S3, and Databricks. With Acceldata, prioritized use cases went live in 60 days. One observability layer now supports three production programs and more than 800 governed policies, reducing weeks of manual work to hours.

The Challenge

As the organization expanded across research, pharmaceutical sciences, and global data integrity programs, manual controls slowed delivery and weakened regulatory confidence.



Policy Promotion Friction

Different asset names across development, staging, and production meant policies had to be remapped or rebuilt for each environment.



Reactive Reporting

Trend analysis across more than 1,200 checks required ad hoc extraction and took days, limiting early visibility into recurring issues.



Configuration Bottlenecks

Recreating a data source took four to five hours, while large policy updates took days because settings were changed individually.

The Acceldata solution

Acceldata established an observability layer across the company's R&D data environment. Policies for data quality, reconciliation, freshness, anomaly detection, and schema drift were standardized across enterprise applications, object storage, cloud data platforms, and lakehouse environments. Alerts and circuit breakers helped prevent failed checks from quietly reaching downstream workflows.

Use cases deployed

 Business Data Assurance	 Enterprise Data Reconciliation	 Automated Pipeline Health Monitoring	 Policy Lifecycle Management
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Key workflows	What changed	Acceldata Impact
 Policy and asset promotion	A migration toolkit mapped environment names and moved policies and assets across development, staging, and production.	2-3 weeks to hours
 Automated summary reporting	Daily execution data was automatically prepared for trends, metrics, and operational KPIs.	Days to daily automated updates
 Data source migration	Reusable workflows moved and validated data source and asset configurations across environments.	4-5 hours to minutes
 Bulk configuration updates	Validated changes were applied to hundreds of policies with a complete audit trail.	Hours to minutes

Customer Quote

"As we continue to scale our R&D domains, Acceldata's consistent baseline quality metrics has helped us certify data products sooner and give agentic AI pipelines faster access to trusted, governed data."

Enterprise Data Governance & Global MDM Lead, Global Life Sciences Company

Source: [Fireside Chat, Autonomous'26](#)

About Acceldata: A leading Data and AI platform for autonomous enterprises with deep capabilities in data observability, data quality, and intelligent data operations. Acceldata enables organizations to proactively manage data across complex hybrid and cloud environments.

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