Anomalo + **databricks**

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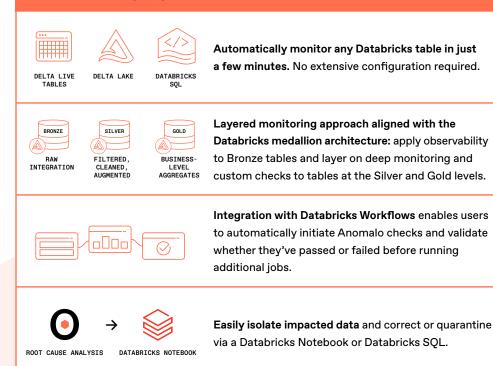# Automated data quality monitoring for the Databricks Intelligence Platform

Challenge

Databricks is transforming the way businesses use data, analytics, and AI to power decision-making and products. As a result, it is more important than ever to ensure data is correct and consistent. However, monitoring data manually is burdensome, expensive, and businesses can frequently miss data quality issues that can negatively impact internal decision-making and the customer experience.

Solution

Anomalo uses AI-powered monitoring to automatically detect data quality issues and their root causes before they affect BI dashboards and reports or downstream AI/ML models. Anomalo's deep integration with Databricks guarantees a high level of confidence in the quality of data across every layer of your stack.

Anomalo is purpose-built for the Databricks Platform

DELTA LIVE TABLES **DELTA LAKE** **DATABRICKS SQL**

Automatically monitor any Databricks table in just a few minutes. No extensive configuration required.

BRONZE **SILVER** **GOLD**
RAW INTEGRATION **FILTERED, CLEANED, AUGMENTED** **BUSINESS-LEVEL AGGREGATES**

Layered monitoring approach aligned with the Databricks medallion architecture: apply observability to Bronze tables and layer on deep monitoring and custom checks to tables at the Silver and Gold levels.

Integration with Databricks Workflows enables users to automatically initiate Anomalo checks and validate whether they've passed or failed before running additional jobs.

ROOT CAUSE ANALYSIS → **DATABRICKS NOTEBOOK**

Easily isolate impacted data and correct or quarantine via a Databricks Notebook or Databricks SQL.

Bidirectional integration with Unity Catalog:

→ COMPREHENSIVE COVERAGE
Anomalo uses UC metadata to perform hourly observability checks across a customer's entire Databricks Lakehouse.

→ TRUST SIGNALS
Anomalo pushes check results directly into UC's Data Explorer UI.

→ IMPACT ANALYSIS
Anomalo pulls lineage data from UC to help customers understand the impact of DQ issues and how to fix them.

→ UNIFIED ACCESS
Customers can set up access groups in UC, and replicate the same configuration in Anomalo.

"Anomalo has been the silver bullet in helping us promote trust in data across our organization. Since migrating to Anomalo, it is easy to detect false positives and has removed dependencies on data engineering. This makes both my data engineers and data consumers happy as it means less time fire-fighting issues, and more time using data to build products our customers love."

— Tim Ng, Data Products Engineering Lead, Block

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