

A FirstEigen White Paper



Replacing Informatica Data Quality

Why Enterprises Are Standardizing on *DataBuck*
for Autonomous, Context-Aware Data Trust

A comprehensive analysis of how global enterprises are transforming their data quality strategy by replacing legacy Informatica systems with DataBuck's intelligent, autonomous platform for modern cloud data environments.



The Data Trust Challenge Facing Modern Enterprises

Enterprises have invested heavily in modern data platforms—Databricks, Snowflake, BigQuery, Azure Fabric, cloud data lakes and hybrid ecosystems. Yet despite the infrastructure transformation, a fundamental business challenge continues: leaders still struggle to trust the data feeding analytics, reporting and AI initiatives.

Legacy rule-driven data quality platforms like Informatica Data Quality were never designed for today's speed, volume, complexity and dynamic change. They depend on human engineering, create operational drag, and still fail to prevent costly business impact from data errors.

Global enterprises are now replacing Informatica with DataBuck—the autonomous, AI-driven, context-aware data trust platform built for modern data environments. DataBuck dramatically reduces human effort, improves detection accuracy, scales effortlessly and embeds trust directly into the data ecosystem.

40h

Manual effort per table

Average time required with Informatica's rule-based approach

6wk

DataBuck deployment

Time to protect 1,800+ tables with autonomous intelligence



Where Informatica Data Quality Falls Short

As data environments have evolved from on-premises warehouses to cloud-native architectures, the limitations of legacy data quality platforms have become increasingly apparent. Informatica's traditional approach creates significant operational friction and leaves critical gaps in coverage that expose enterprises to data trust failures.



Manual Rule-Driven Architecture

Informatica's architecture relies heavily on SMEs and engineers to manually analyze datasets, design data quality rules, maintain logic and tune thresholds.

- Requires extensive subject matter expertise
- Creates unsustainable bottlenecks at enterprise scale
- Causes delays and coverage gaps
- Results in outdated control frameworks



Slow Time-to-Trust

Organizations can realistically validate only a fraction of their total datasets using manual rule systems, allowing unknown risks to propagate downstream.

- Limited dataset coverage
- Analytics operate on untrusted data
- Regulatory submissions at risk
- AI models built on unreliable foundations



High Cost and Infrastructure Burden

Informatica typically requires dedicated servers or VMs, specialist administration, costly licensing and complex upgrades.

- Dedicated infrastructure investment
- Specialist administration overhead
- Complex upgrade cycles
- Limited innovation and scalability

📌 **Business Impact:** When data quality tools become operational bottlenecks rather than enablers, organizations face a critical choice—continue investing in legacy approaches or embrace autonomous, intelligent platforms designed for modern data environments.

Case Study: Global Automotive Manufacturer

The Challenge

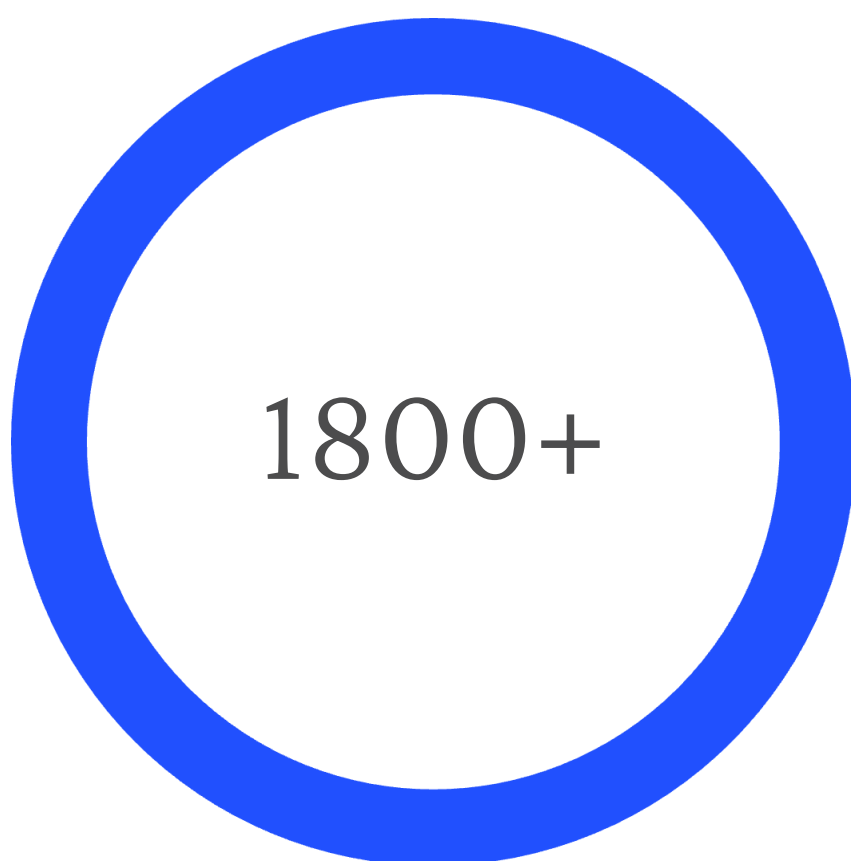
A global automotive manufacturer relied on Informatica for supply chain data validation. The manual rule-engineering process required almost 40 hours per table to design, implement and maintain quality controls. This meant only a limited set of mission-critical datasets could ever realistically be covered within available resources and timelines.

Root-cause analysis was entirely manual and reactive. When data quality issues were discovered, teams spent days tracing problems through complex data pipelines, often after business impact had already occurred. Coverage gaps left thousands of tables without any quality monitoring, creating blind spots in critical supply chain operations.

The DataBuck Solution

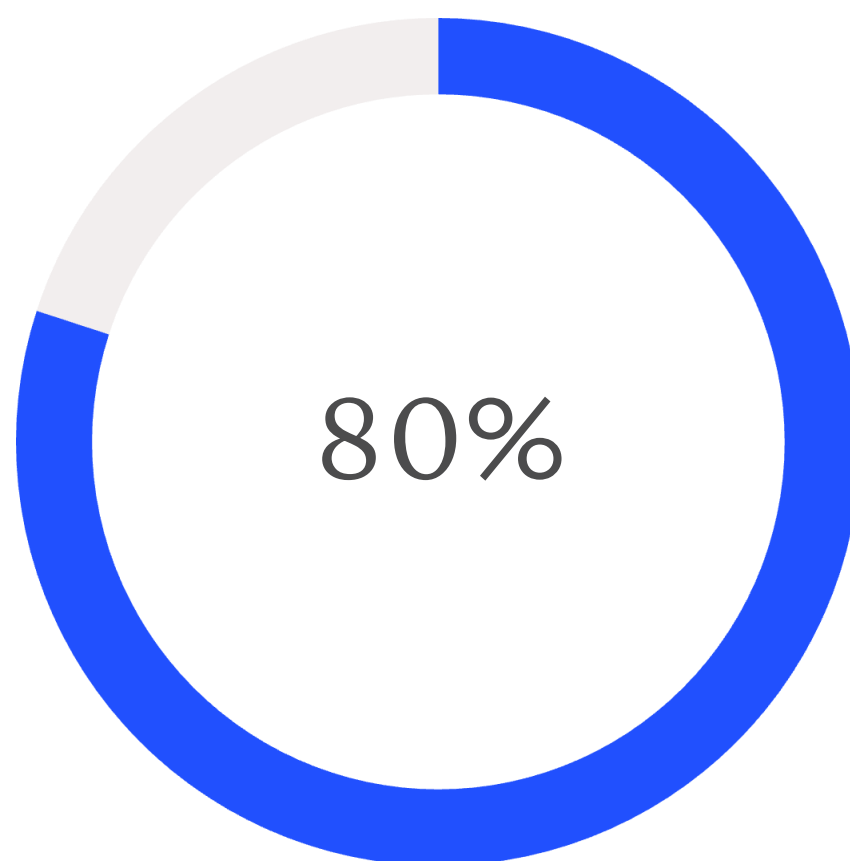
After replacing Informatica with DataBuck, the organization achieved transformational results. They protected over 1,800 tables in under six weeks, powered by elastic Databricks compute without requiring separate hardware infrastructure or dedicated servers.

Built-in lineage intelligence enabled proactive detection and true root-cause visibility. Quality issues were identified before impacting downstream business processes, with automatic tracing to origination points. The platform prevented downstream business disruption while simultaneously reducing both cost and operational effort by over 80%.



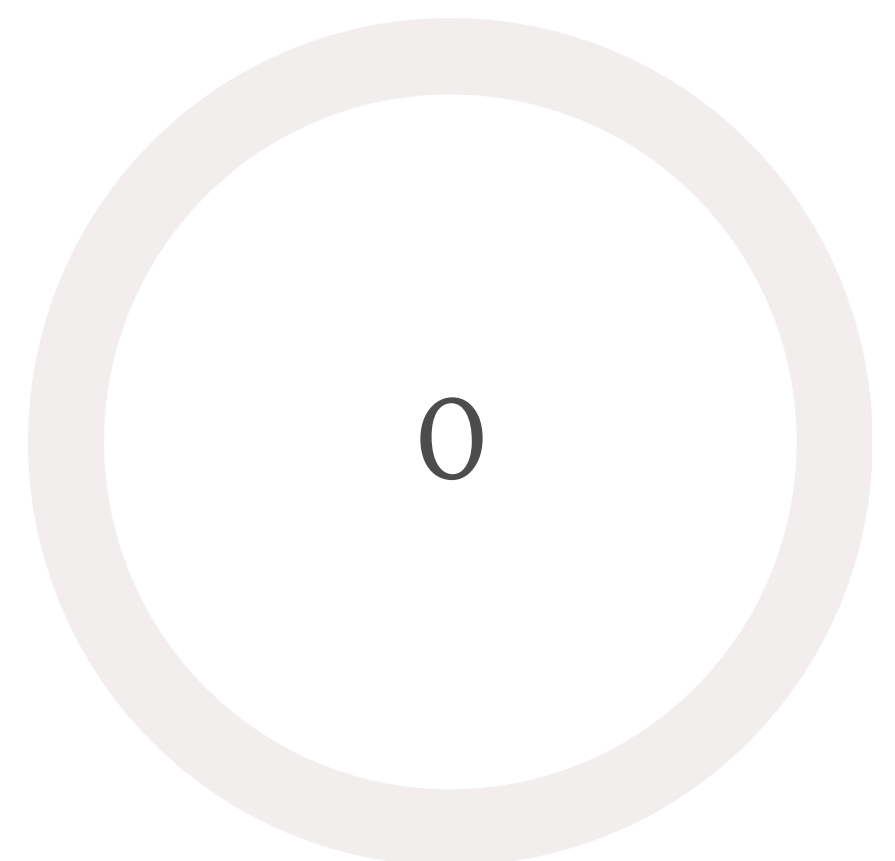
Tables Protected

Comprehensive coverage achieved in six weeks



Effort Reduction

Decrease in operational overhead and costs



Hardware Required

Cloud-native elastic compute eliminates infrastructure

The DataBuck Advantage: Intelligent, Autonomous Data Trust

DataBuck represents a fundamental paradigm shift from rule-based monitoring to intelligent, context-aware data trust. Built specifically for modern cloud data platforms, DataBuck combines advanced AI, deep lineage intelligence, and autonomous operations to deliver unprecedented accuracy, coverage and efficiency.



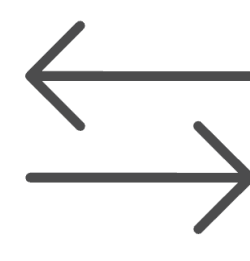
Context-Aware Intelligence

DataBuck goes beyond rule checking. It understands business domains, regulatory expectations, use-case behavior and enterprise governance policies. This allows it to provide highly relevant quality insights while dramatically reducing false alerts and noise that plague traditional systems.



Built-In Root Cause Analysis

Where legacy tools stop at simply reporting failures, DataBuck automatically leverages lineage intelligence to determine where an issue originated, which assets are affected and how to prevent future recurrence. This transforms reactive monitoring into proactive prevention.



Cross-Platform Reconciliation

DataBuck maintains truth and consistency across the data lifecycle—from source to staging, lake to warehouse, warehouse to BI and AI consumption. It handles schema integrity, fingerprint validation, aggregate checks and detailed reconciliation automatically.

Automated Data Remediation

Detection alone adds burden. DataBuck provides automated and guided remediation workflows, integrates approvals, ensures governance-controlled actions and maintains full audit traceability. Issues are resolved faster with complete compliance documentation.

Built for Modern Platforms

Cloud-native, elastic, API-driven and enterprise scalable, DataBuck works seamlessly across Databricks, Snowflake, BigQuery, Azure Fabric, cloud data lakes, hybrid environments and on-premises data platforms. No infrastructure overhead, no vendor lock-in.

Informatica vs. DataBuck: A Comprehensive Analysis

Understanding the fundamental differences between legacy rule-based systems and intelligent autonomous platforms is critical for making informed technology decisions. This comparison highlights how DataBuck's modern architecture delivers superior outcomes across every dimension that matters to enterprise data leaders.

Capability	Informatica Data Quality	DataBuck Platform
Quality Approach	Manual rule definition and maintenance	Autonomous AI-driven with context awareness
Time to Value	40+ hours per table, months for coverage	Minutes per table, weeks for enterprise scale
Infrastructure	Dedicated servers/VMs required	Cloud-native elastic compute, zero infrastructure
Root Cause Analysis	Manual investigation and tracing	Automatic lineage-based identification
Platform Support	Limited modern cloud integration	Native support for all major cloud platforms
Remediation	External manual processes	Automated workflows with governance controls
Operational Cost	High licensing, infrastructure, and labor costs	Consumption-based pricing, 80% cost reduction
Coverage	Limited to manually configured datasets	Comprehensive autonomous coverage at scale
False Positives	High noise from rigid rules	Minimal with context-aware intelligence
Business Impact Prevention	Reactive detection after issues occur	Proactive prevention before downstream impact

"DataBuck has fundamentally changed how we approach data trust. What used to take weeks now takes minutes, and we have confidence in data we couldn't even monitor before."

— VP of Data Engineering, Global Automotive Manufacturer



Transform Your Data Quality Strategy with DataBuck

The enterprise data landscape has evolved dramatically, but many organizations remain constrained by legacy data quality approaches that were designed for a different era. As data volumes grow, pipelines become more complex, and business demands for real-time insights accelerate, the limitations of manual rule-based systems become unsustainable.

DataBuck offers a proven alternative—an intelligent, autonomous platform that delivers comprehensive data trust at scale without the operational burden. Organizations replacing Informatica with DataBuck achieve better outcomes faster, with significantly lower cost and effort.



01

Assess Your Current State

Evaluate coverage gaps, operational costs and time-to-trust with existing tools

02

Experience DataBuck

See autonomous data trust in action with a personalized platform demonstration

03

Pilot on Real Data

Deploy DataBuck on critical datasets and measure the impact firsthand

04

Scale Enterprise-Wide

Expand coverage across all platforms and data domains with confidence

Ready to Replace Informatica and Transform Data Trust?

Join the global enterprises that have already made the transition to autonomous, intelligent data quality. Contact DataBuck today to schedule your personalized consultation and discover how context-aware data trust can accelerate your digital transformation initiatives while reducing cost and operational complexity.

Schedule a Demo

See DataBuck in action with your data and use cases

Request a Pilot

Deploy DataBuck on critical datasets and prove the value

Download Resources

Access technical whitepapers and implementation guides