



Data Observability Platform

Monitor, manage and optimize your data across its entire lifecycle with Industry's first remediation enabled data observability platform



PRODUCT SHEET

Is Data Observability Essential for Your Business?

Your business makes crucial decisions based on data, but what if that data is silently wrong? Unlike a crashing application with immediate user impact, bad data can silently wreak havoc for weeks or even months. A sales team might not know their dashboards are displaying inaccurate figures, or a marketing campaign might be targeting the wrong audience due to faulty data.

Traditional data monitoring tools are like security checking IDs at the door – they only identify known issues. They are limited by pre-defined parameters and struggle to navigate the emerging complex data landscape with many interacting systems in place.

As the complexity of your enterprise system architecture increases, you need a more proactive solution like data observability. It not only identifies known-unknown issues but also uses machine learning to predict and diagnose unexpected problems – the unknown-unknown issues.

So, data observability ensures your data pipelines are healthy by constantly scrutinizing them for anomalies and potential issues. They can even assess the impact of these issues and pinpoint their root causes, saving you valuable time and resources. It's like having a real-time map of your entire data ecosystem, allowing you to identify, control, and fix data-related issues before they cause problems. This translates to preventing data downtime, meeting data quality standards, and ultimately, building trust in the data that drives your business.



The Role of a Data Observability Tool

Data observability goes beyond simply monitoring pre-defined conditions. It provides insights into the root causes of issues and their potential impact on key business metrics, along with recommended solutions.

Here's what a data observability tool can do:



MONITOR DATA QUALITY

Continuous monitoring helps identify inconsistencies & faults in your data, ultimately improving its veracity & reliability.



TRACE DATA LINEAGE

Track data in real-time as it moves through the pipeline, ensuring transparency and catch problems as they occur.



PROVIDE REAL-TIME VISIBILITY

It offers real-time tracking of data as it moves through the pipeline, ensuring transparency and enabling you to catch problems as they occur.



MAINTAIN DATA CONSISTENCY

Proactive monitoring helps detect potential inconsistencies and allows you to implement regular checks to ensure data uniformity.



DETECT ANOMALIES & OUTLIERS

Data observability highlights unexpected data variations, smooth out data streams, and mitigates outliers on your overall analytics.



RECOMMEND SOLUTIONS

It provides insights into existing or potential data issues and recommend solutions to address them promptly.

DQLabs – A Data Observability Leader

DQLabs’ Data Observability platform helps modern data teams to make data-driven decisions with confidence, knowing your information is accurate, reliable, and ready for use using semantics and GenAI powered capabilities.



Our intuitive and user-friendly platform makes data observability accessible for both business as well as technical users. DQLabs helps you with proactive identification and remediation of issues with AI/ML, provide highest governance to ensure data integrity and leverage Gen AI for conversational data quality and observability. Some of our recognitions include:

2024 Gartner® Magic Quadrant™ for Augmented Data Quality Solutions

Rated 4.4/5 in Gartner Peer Insights Customer's Choice 2024™

Everest Group’s Data Observability Technology Provider PEAK Matrix® 2024

Key Features



DATA PIPELINE MANAGEMENT

Trace your data lineage, from creation to usage, with automated lineage tracking. This helps identify upstream/downstream impacts of changes, schema drift, and enables efficient data migration.



DATA FINOPS - DATA COST MANAGEMENT

Gain data cost insights with DQLabs' FinOps capabilities. Identify cost changes, analyze resource spending, and make cost-effective decisions with built-in validation rules.



DATA MONITORING & INCIDENT MANAGEMENT

Proactively monitor data quality with 250+ pre-built rules and manage incidents effectively. Integrate with existing tools and get intelligent recommendations for faster resolution.



DATA COMPLIANCE & SECURITY

Ensure regulatory compliance, monitor adherence to SLAs, and perform data risk assessments. Automated detection tools identify suspicious activity, and AI recommendations help fine-tune processes. Leverage bi-directional connectors for enhanced data protection and access control.



DATA QUALITY & RELIABILITY MANAGEMENT

Receive proactive alerts for data issues and perform root cause analysis. Ensure consistent and reliable data with time-series analysis and self-service data discovery.

DQLabs Platform

“Automation using AI helps data quality checks in no time. Convergence of Data Quality and Data Observability all in one platform.”



Global Pre-sales - Software

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Global Pre-sales in the Software Industry gives DQLabs Platform 5/5 Rating in Gartner Peer Insights™ Augmented Data Quality Solutions Market. [Read the full review.](#)

Product Capabilities

1. Ensure Data Integrity with Advanced Features

✓ FULL SPECTRUM SUPPORT

Keep bad data out of your modern data landscape with our comprehensive suite of 250+ automated data observability checks, supporting both shift-left and shift-right approaches.

🧠 AI-DRIVEN MONITORING

Minimize computational overheads and improve efficient rule execution with intelligent monitoring rules automatically generated by our algorithms.

🔍 DEEP DATA PROFILING

Guarantee clean data reaches your consumption zone through continuous, multi-level monitoring (field, pipeline, usage) powered by AI/ML.

🛡️ UNPARALLELED SECURITY

Maintain the highest level of governance with role-based access control and metadata encryption.



2. Proactive Issue Identification and Resolution



CIRCUIT BREAKER PROTECTION

Prevent downstream contamination with automatic intervention for dirty data.

BEST-IN-CLASS ANOMALY DETECTION

Identify data anomalies faster and minimize downtime with our superior algorithms.

DETAILED LINEAGE TRACKING

Gain complete visibility into your data pipelines with automated schema drift detection and impact analysis.

REAL-TIME DATA OBSERVABILITY

Stay informed of critical data trends with automatic discovery of business terms & changes in real-time using active metadata & AI/ML.

GENERATIVE AI & LLMs

Leverage generative AI and custom LLMs to generate automated business quality check recommendations, remediation plans, process workflows, automated incident responses and prevent data downtime or loss.

3. User-Friendly Experience



ALERT MANAGEMENT

Reduce alert fatigue and prioritize critical issues with user-defined rules and semantic filtering.



PRE-BUILT & CUSTOM DASHBOARDS

Gain insights into data health with interactive dashboards designed for different user roles.



INTUITIVE INTERFACE

Bridge the gap between technical and business users with a user-friendly interface that includes co-pilot and no-code features.



SEAMLESS INTEGRATIONS

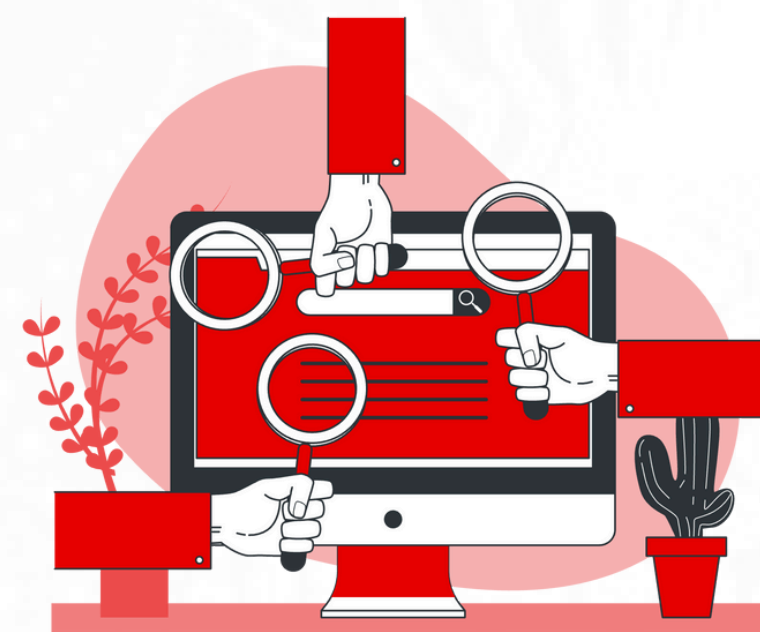
Our open APIs enable seamless integration with your existing systems and custom development tools, facilitating effortless data portability and wider adoption with flexibility.



Key Benefits



Improve data quality across all data stages.



Maintain high data integrity and enable data stakeholders to find insights faster.



Reduce downtime and ensure data quality issues are addressed quickly.



Highly scalable with minimum resource consumption.

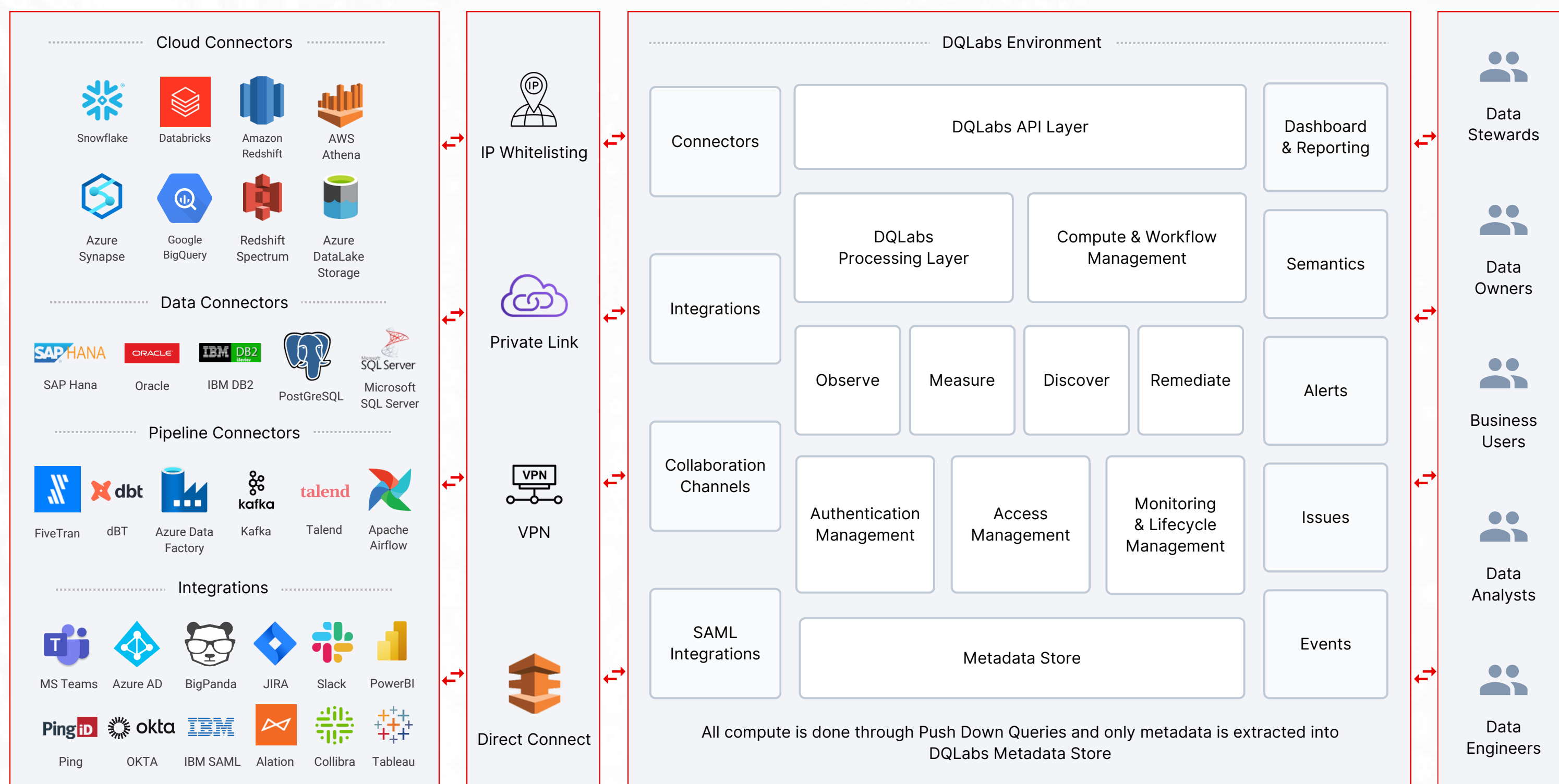


Optimize data storage & processing costs.



Mitigate data security risks and ensure regulatory adherence.

How DQLabs Works?



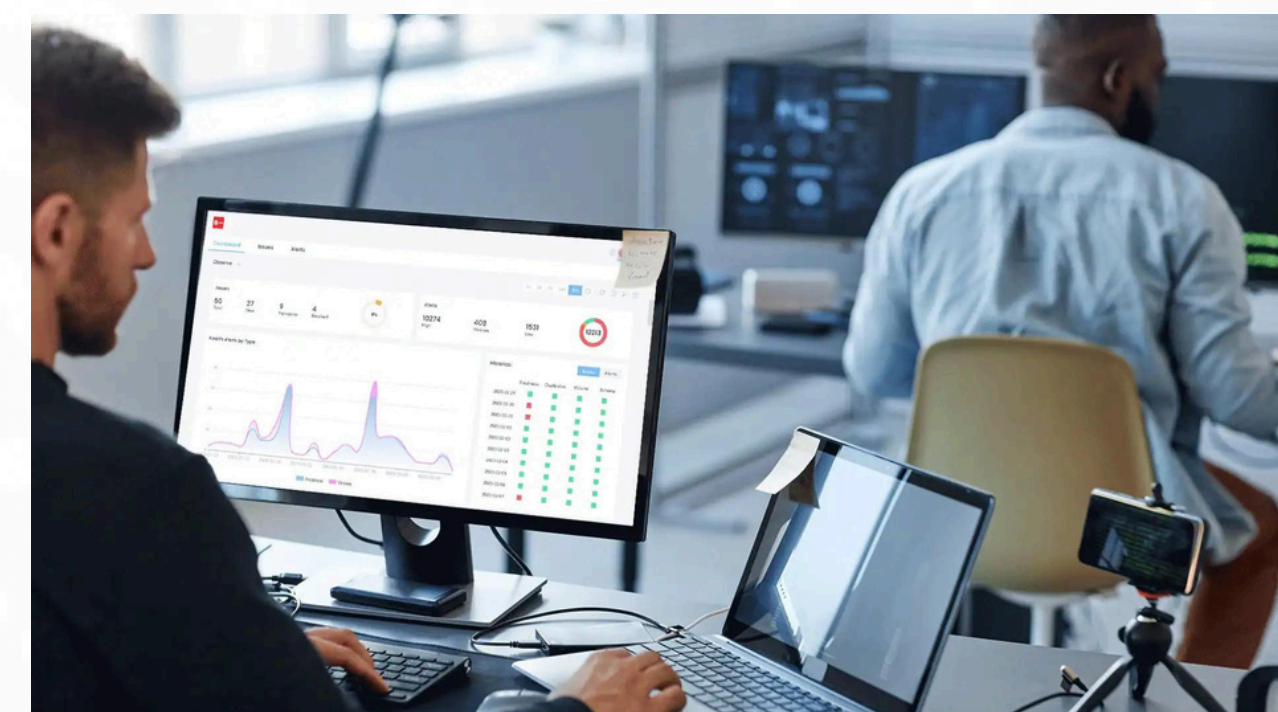
- **Data Integration:** Connect to an unlimited amount of data sources in any location.
- **Data Catalog:** Simplifies metadata management with ML.
- **Data Quality:** Ability to score by discovering patterns, insights, correlations in secs.
- **Data Curation:** Automatically curate data with reinforcement learning.
- **Master Data:** Easy entity definition and creation of master data.
- **Data Governance:** Understand, trust, comply and improve your business value.

Why DQLabs?

DQLabs envisions a revolution in Data Observability. Our end-to-end platform empowers organizations to not only observe, measure, and discover data issues, but also remediate them and optimize data health for long-term governance and maturity.

Designed for every data user, DQLabs offers a user-friendly, automated, no-code solution for tackling last-mile data prep challenges. This ensures reliable, accurate data for better business outcomes. DQLabs leverages advanced AI for semantic classification, enabling the creation of scalable, high-performing ML workflows with minimal maintenance. This translates to powerful features like anomaly detection, root cause analysis, and no-code business quality checks. By automating deep column profiling, business term matching, and impact/root cause analysis, DQLabs facilitates trust in data validity and accuracy.

The comprehensive suite, encompassing data observability, quality checks, and data discovery, empowers organizations to rapidly resolve data issues, strengthen governance, and achieve a 10x improvement in operational efficiency for reporting and analytics.





About

DQLabs is a Modern Data Quality Platform that enables organizations to observe, measure, discover, and remediate the data that matters. With an automation-first approach and self-learning capabilities, the DQLabs platform harnesses the combined power of Data Observability, Data Quality, and Data Discovery to enable data producers, consumers, and leaders to turn data into action faster, easier, and more collaboratively.

Observe – Measure – Discover – Remediate with DQLabs

Let one of our experts show you the combined power of **Data Observability**, **Data Quality**, and **Data Discovery** to get you AI ready.

[Request a Demo](#)

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