TΣLMAI | Starburst

SOLUTION BRIEF

Unifying Data Trust and Access for Maximizing Business Value with Starburst and Telmai

telm.ai

Enterprise data is known for its siloed and complex data architectures, with a wide variety of data sources. As organizations drive advanced analytics and AI initiatives, data now needs to be accessed from a multitude of sources and systems spanning across on-prem, hybrid environments, and multiple clouds. While this federated approach offers flexibility and scalability, it introduces a critical challenge: how do you ensure low-latency and real-time access to validated data ?

Traditional data quality tools were designed for centralized environments and fail to provide the comprehensive visibility needed in today's distributed architectures. In federated environments, as data flows across autonomous systems, these challenges multiply exponentially with varying governance standards, creating cascading effects that compromise downstream analytics and business decisions. The legacy approach of reactive data quality management is no longer viable for enterprises that rely on timely, trusted intelligence.

As data becomes more distributed and dynamic, data validation and governance must be proactive and deeply embedded in every layer of the data stack. Organizations need a unified approach that combines real-time observability with federated access and governance. Only then can they deliver trusted insights at scale, reduce operational risk, and accelerate business impact.

Telmai + Starburst: Unifying Federated Access and End-to-End Data Observability

Telmai's AI-powered data observability platform, combined with Starburst's open data lakehouse platform powered by Trino, enables enterprise data teams to confidently query and analyze data across their entire federated ecosystem.

With Starburst and Telmai, organizations can unify access and observability across their on-prem, hybrid, and multi-cloud ecosystems. Starburst provides query access across 50+ enterprise data sources, eliminating the need for costly data movement or duplication. Telmai's advanced AI-driven observability engine continuously monitors and validates structured, semi-structured, and unstructured data at the data lake layer before it impacts downstream business processes. The result is a federated architecture where data reliability is assured at the source, without sacrificing the agility or performance required for modern analytics.

By bridging the gap between data observability and federated access, Joint customers benefit from accelerated time-to-value, reduced operational risk, and improved decision velocity,all powered by a data foundation that is both federated and trusted by design.

Telmai	Starburst	Joint Solution Brief
AI-powered, continuous data observability that learns your data's patterns to detect inconsistencies and anomalies across complex datasets	Provides a single point of access for distributed data, enabling users to build, govern, and secure multisource data pipelines from a central data plane	Real-time, trusted analytics across distributed environments
Plug and play with your existing data stack. Connects directly to data lakes and lakehouses. Supports any format, from raw files to curated tables	Frees data teams to choose the best architecture for their needs by working with all modern and open table and file formats	Architectural flexibility with end-to-end data quality embedded at the point of query
Automated issues detection and remediation through natural language interface powered by AI assistants providing plain-language root cause explanations and generating tailored validation rules for emerging issues.	Operates efficiently and reliably at internet scale	Accelerated time-to-insight and reduced operational risk across global data sources

Pillar 1

Establish Trust Across Distributed Environments

Ensure trusted insights with every query, regardless of where your data lives or who manages it. Customers can unify access and observability across disparate systems, eliminating blind spots while scaling trust in their most critical data assets.

With Starburst and Telmai, customers gain the flexibility to build and operate reliable, scalable data pipelines. While Starburst handles complex federated query access to over 50 enterprise data sources regardless of location (on-prem, cloud, cross-cloud or hybrid) with high performance, Telmai continuously monitors data for inconsistencies and anomalies, ensuring that downstream users operate on accurate, trustworthy data without moving data or increasing engineering overhead.

Together, they ensure that only trusted, up-to-date data is surfaced at the point of decision, empowering teams to act with confidence.

Pillar 2

Build with Flexibility, Govern with Confidence

With Starburst and Telmai, data and business teams can confidently deliver trusted, production-grade data pipelines and analytics without a steep learning curve or specialized expertise.

Starburst and Telmai together provide a modern, self-serve experience for enterprise-wide collaboration. Starburst enables teams to choose the best-fit architectures and table formats that best fits their needs while maintaining seamless access through a single query layer. Telmai extends that flexibility with native observability across those federated sources, allowing teams to apply prebuilt or custom data validation rules without writing code. Analysts and domain experts can continuously validate their data and collaborate across teams, without overloading central data engineering.

Pillar 3

Embed Intelligence and Control Across the Data Ecosystem

Beyond architectural flexibility, Starburst and Telmai embed automation and control directly into your enterprise data ecosystem.

Starburst provides fine-grained security controls on their data that let organizations govern access by user, team, or business unit , ensuring sensitive data is protected at every layer and is perfect for regulated industries. Telmai's AI-powered monitoring continuously learn from historical data patterns to adjust data thresholds and proactively flag anomalies, as well as trigger automated remediation workflows to maintain trust without manual intervention.

Together, Starburst and Telmai eliminate manual overhead while protecting and governing sensitive data and maintaining trust across every query, source, and system.

About Telmai

Telmai helps enterprises ensure their data is AI-ready across modern data lakes and AI pipelines. It continuously validates every dataset at ingestion as it lands in Iceberg or Delta Lakehouses, enriching it with quality context so both humans and AI agents can act on trusted data. Trusted by data teams at leading financial and insurance organizations, Telmai also maintains strong alliances with major cloud providers and technology leaders across the modern data ecosystem. Learn more at **telm.ai**.

About Starburst

Starburst is the flexible data platform built on Trino and Apache Iceberg, delivering fast, secure access to all your data wherever it lives. It unifies distributed data, across clouds, on-premises, and in hybrid environments, unleashing the full power of the data lakehouse for analytics and AI. From insights to action to AI, Starburst fuels transformation. Learn more at **starburst.ai**.