Unlock the Full Power of Enterprise Data with Starburst and dbt

Address data complexity and accessibility with best-in-class tools that accelerate data transformation.

Organizations are now inundated with data from disparate sources. This information is often siloed in different environments in various formats, making it challenging for organizations to extract real value to drive their business.
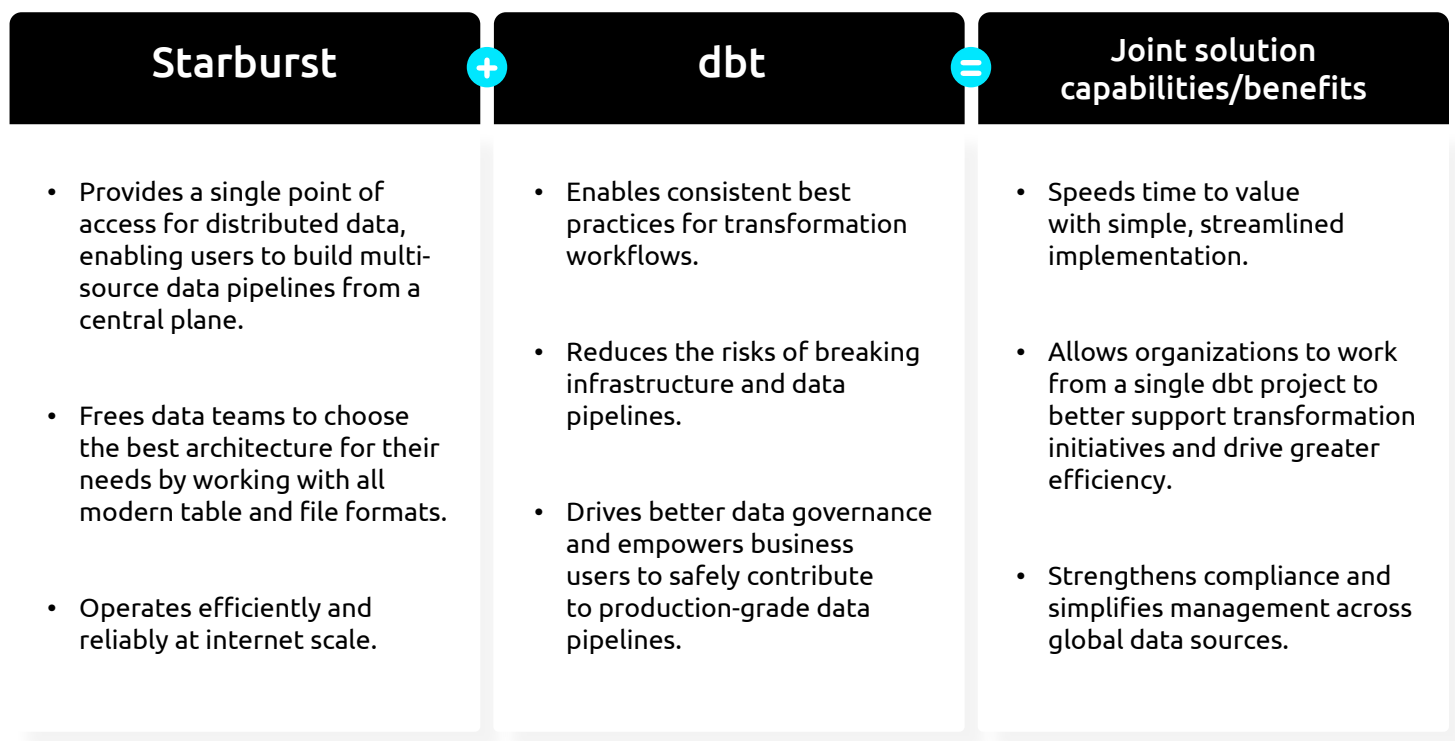
To federate their data, enterprises often turn to a cloud data warehouse or build their own data pipelines, but these approaches are expensive, time-consuming, and may only lead to more complexity. To truly drive their data transformation, organizations need scalable, open, and extensible data platforms that unify their data ecosystem, and put reliable, high-quality information into the hands of business users, developers, and other key stakeholders when they need it most.

Starburst ✕ **dbt**

Starburst and dbt: Transform data wherever it lives

Starburst's powerful data analytics capabilities combine with dbt Cloud to empower enterprise customers to transform data no matter where it lives. Extract, transform, and load (ETL) only the data you need after you know what you need. Starburst enables data engineers to explore data at the source and iterate on their ETL workloads in the data lake.

The solution unifies customers' data environment efficiently and securely and allows them to easily build data pipelines on one central plane for streamlined activation and improved collaboration across the enterprise.

Joint customers can harness Starburst and dbt to optimize data workflows, better protect data at the source, and support a variety of cloud-first use cases that fuel new business processes and innovations.

Starburst ➕	dbt ➡️	Joint solution capabilities/benefits
• Provides a single point of access for distributed data, enabling users to build multi-source data pipelines from a central plane.	• Enables consistent best practices for transformation workflows.	• Speeds time to value with simple, streamlined implementation.
• Frees data teams to choose the best architecture for their needs by working with all modern table and file formats.	• Reduces the risks of breaking infrastructure and data pipelines.	• Allows organizations to work from a single dbt project to better support transformation initiatives and drive greater efficiency.
• Operates efficiently and reliably at internet scale.	• Drives better data governance and empowers business users to safely contribute to production-grade data pipelines.	• Strengthens compliance and simplifies management across global data sources.

Pillars

Achieve a single pane-of-glass view

Transform data without friction, regardless of the source or storage mechanism. Customers can easily bring together disconnected data – from 40+ sources – safely and securely to increase its usability and value.

Starburst and dbt give customers the flexibility to create streamlined data pipelines in dbt and other data-oriented apps using Starburst as a single access point to all of their data — without a heavy IT lift. Starburst's MPP (massively parallel processing) architecture facilitates streamlined processing of complex queries and analytics, enabling organizations to gain deeper insight into their data.

Together, this joint solution empowers enterprises to reduce data complexity and convert data into a true strategic asset with real long-term value.
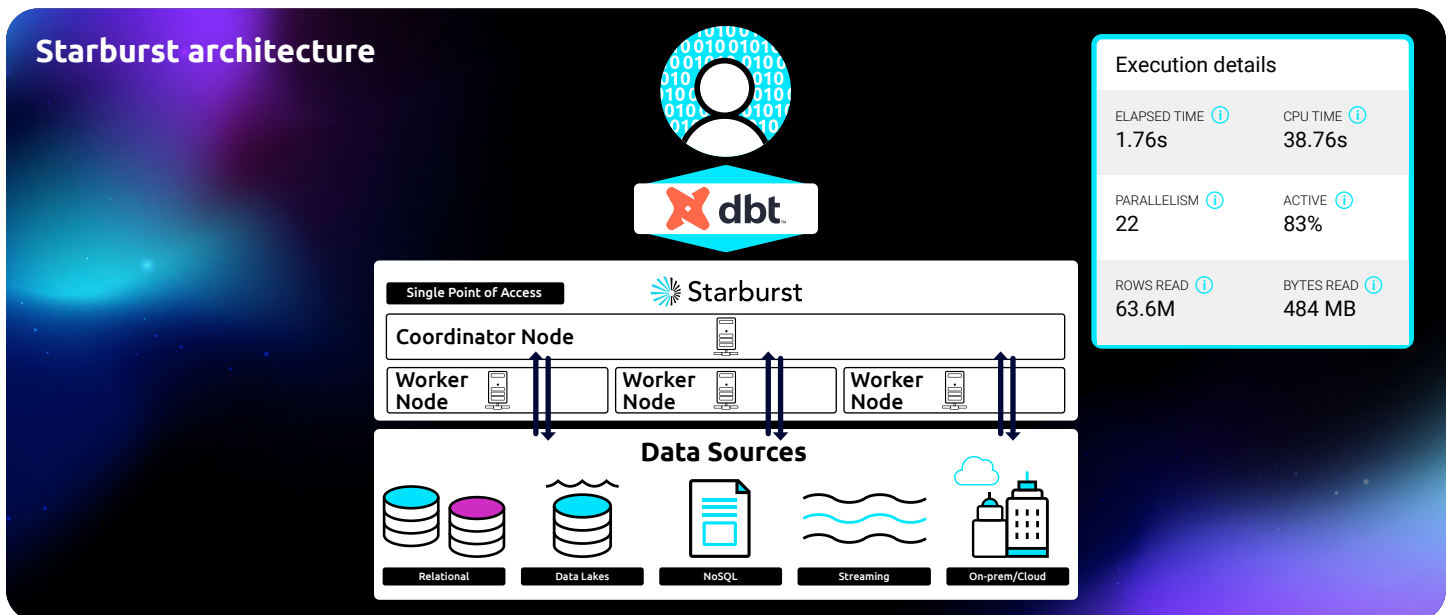
Safely democratize data

With Starburst and dbt, enterprise customers can increase data accessibility by enabling anyone on the data team to safely contribute to and collaborate on production-grade data pipelines.

The joint solution provides best-in-class, DevOps-style tools for better collaboration, including automated documentation and testing, Git-enabled version control, and CI/CD capabilities. Analysts and data scientists can work in SQL and access shared workspace and connected models to better coordinate and scale their efforts.

Starburst and dbt not only streamline data access and sharing, the joint solution also strengthens governance. Customers can govern access to data with fine-grained security controls and create a trail of validated assumptions for more trustworthy data, including auto-generated dependency graphics and dynamic data dictionaries.

Starburst architecture

Execution details

ELAPSED TIME ⓘ	CPU TIME ⓘ
1.76s	38.76s

PARALLELISM ⓘ	ACTIVE ⓘ
22	83%

ROWS READ ⓘ	BYTES READ ⓘ
63.6M	484 MB

Single Point of Access • Starburst

Coordinator Node

Worker Node Worker Node Worker Node

Data Sources

Relational Data Lakes NoSQL Streaming On-prem/Cloud

Scale and optimize data management

Starburst and dbt simplify data management for organizations and provide them with agility and scalability in data operations as their ecosystem grows.

Data engineers can explore data at the source and iterate on their ETL workloads in the data lake, only ETLing the data they know they need. Teams can also access data across regions while avoiding data sovereignty issues. They can also gain visibility into where data is stored and how it's used to drive further optimization and cost savings.

With Starburst and dbt, customers can break free of data silos and uncover new insights and use cases that increase their competitive advantage.

It's never been more important for organizations to make better use of their data. With Starburst and dbt, you can bring your data into a single pane to maximize its full potential — all while better protecting it and harnessing it to drive collaboration and innovation.

Explore how you can accelerate your data transformation with Starburst and dbt.

Starburst ✳ dbt