

Starburst Enterprise on Azure



Starburst Enterprise is a fully supported, production-tested, enterprise-grade distribution of the open source Trino MPP SQL query engine. Starburst integrates the scalable cloud storage and computing services provided by Azure with a more stable, secure, efficient, and cost-effective way to query all your enterprise data, wherever it resides.

Leading organizations across multiple industries rely on Starburst Enterprise on Azure.

Analytics Anywhere

Architected for the separation of storage and compute, it is ideal for querying data residing in multiple systems, from cloud data lakes to legacy data warehouses. Deployed via Azure Kubernetes Service (AKS), Starburst Enterprise on Azure enables the user to run analytic queries across Azure data sources and on-prem systems such as Teradata, Oracle, and others.

Within a single query, you can access multiple data stores, including Azure Blob Storage, Azure Data Lake Storage (ADLS), Azure SQL, SQL Server, plus Hadoop, Azure Synapse Analytics, IBM DB2, Cassandra, Databricks Delta Lake, and many others. In minutes, users are able to provision from small to large clusters of compute instances and leverage the power to analyze all enterprise data.

The Starburst Enterprise Difference

As organizations scale up, Starburst Enterprise on Azure drives better business outcomes, consistency, and reliability, delighting your data engineers and scientists. Teams look to Starburst Enterprise on Azure for expertise & constant fine-tuning that results in overall lower costs & faster time-to-insights:



Performance:

Includes the latest optimizations; caching available for frequently accessed data; stable code that minimizes failed queries.



Connectivity

40+ supported enterprise connectors; high performance connectors for Oracle, Teradata, Snowflake, IBM DB2, Databricks Delta Lake, and many more.



Security

Role-based access control (via Apache Ranger); Kerberos, OKTA, LDAP integration; data encryption & masking; query auditing to see who is doing what.



Management

Enhanced tools for configuration, autoscaling, and monitoring; high availability; easy deployment on Azure platforms.

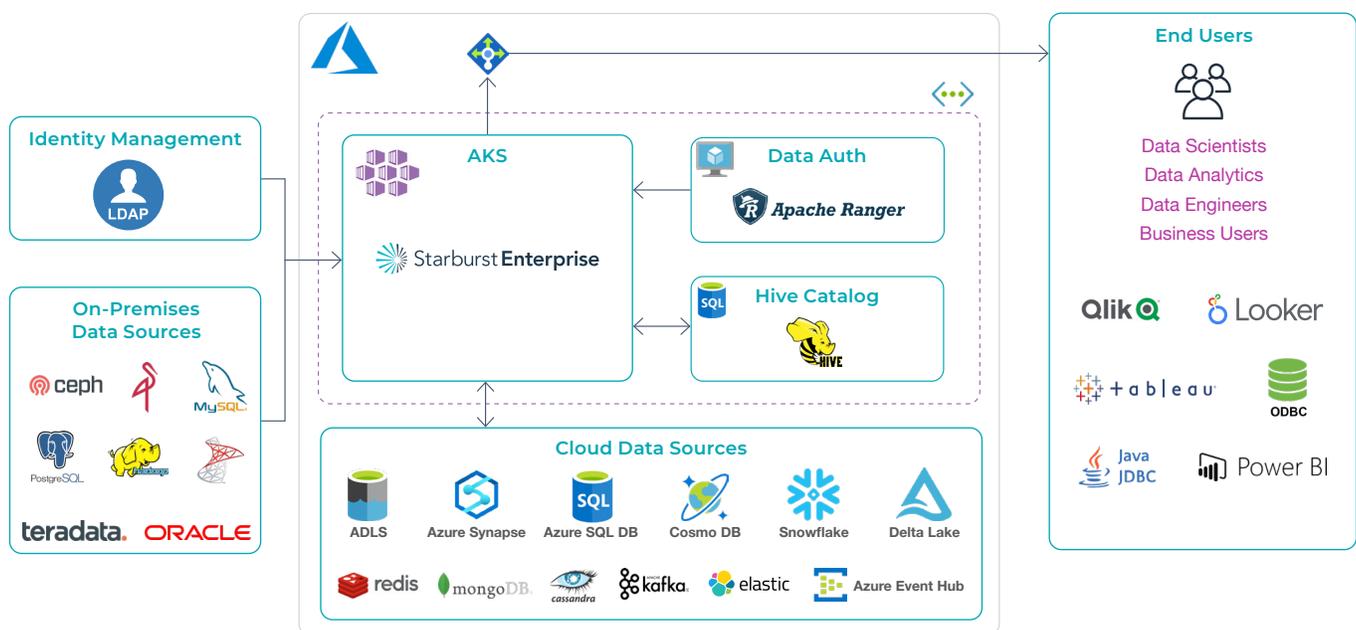


Support

24/7/365 enterprise-grade support from the largest team of Trino experts in the world; fully tested, stable releases; hot fixes & security patches.

What these and other features add up to is a more powerful, stable, cost-effective, and customizable query engine that drives adoption within organizations, enabling companies to generate more value from their Azure resources.

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Common Enterprise Use Cases

Organizations are using Starburst Enterprise on Azure in a variety of ways, but the following five use cases are the most popular.

Interactive Data Investigation

The Starburst platform allows for rapid ad hoc analysis and data exploration. Data scientists can use programming libraries such as R, Python and Java to examine data where it resides before running ETL jobs. Business analysts can quickly glean insights from data to find value in unexpected market disruptions or other time-sensitive events. Generally, end users can explore data in ways they were never able to previously.

BI Dashboard and Reports

Getting data to a dashboard typically demands a tough decision – you either suffer the latency or you sample a smaller, less accurate subset of your data to yield results faster. Starburst Enterprise gives customers access to all their data in a latency-free environment – ensuring faster, more accurate reporting and better results.

Data Science

Jobs that used to take hours or days to run can be shrunk down to minutes, which allows you to extract value out of your data faster and enables your data scientists to work at speed. Starburst Enterprise has libraries/package support for Java, Python, R, Spark, etc. – familiar data science tools such as Jupyter Notebook can talk directly to Starburst, which then queries data where it lies.

ETL

The Starburst platform can remove the need for ETL and the setup of data marts by querying data in place. But ETL is still essential in some cases. Many Starburst Enterprise customers enhance their large ETL jobs by eliminating the need to write data to a temporary area before moving it to the final destination, such as an Azure data lake. Instead, the ETL job writes a query to Starburst, which returns it as a consolidated set, then writes it directly to the target.

Data Lake Query Engine

A Starburst Enterprise deployment enhances Trino's functionality for the enterprise with role-based access control, autoscaling, high concurrency, ANSI SQL compatibility, and other benefits.

Business Outcomes

Overall, enterprises and large organizations that partner with Starburst to optimize their Azure investment benefit from:

Shorter

Time to Value

Improved

Price vs. Performance

Increased

User Adoption

Enhanced

Security

Companies using the Starburst Enterprise on Azure discover and extract value from data faster – and turn these insights into actionable business initiatives that drive significant revenue gains.

Unlock the value of your data
with Starburst and Azure today.

For more information, contact us at starburst.io.

