Available on the Google Cloud Marketplace, the Starburst Enterprise platform is a fully supported, production-tested, enterprise-grade distribution of the open source Trino MPP SQL query engine. Starburst integrates Google’s scalable cloud storage and computing services 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 and Google.

Analytics Anywhere

Designed for the separation of storage and compute, Trino is ideal for querying data residing in multiple systems, from cloud data lakes to legacy data warehouses. Deployed via Google Kubernetes Engine (GKE), Starburst Enterprise on Google Cloud enables the user to run analytic queries across Google Cloud data sources and on-prem systems such as Teradata, Oracle, and others via Trino clusters. Within a single query, you can access multiple data stores, including Google Cloud Storage (GCS), Cloud SQL, BigQuery, and others, plus Hadoop, Snowflake, IBM DB2, Cassandra, 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 Google Cloud drives better business outcomes, consistency, and reliability, delighting your data engineers and scientists. Teams look to Starburst Enterprise on Google Cloud for expertise & constant fine-tuning that results in overall lower costs & faster time-to-insights:

Performance:
Includes the latest optimizations; Starburst Cached Views 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, 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, auto scaling, and Starburst Insights monitoring dashboards; easy deployment on Google 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 Google resources.

Common Enterprise Use Cases

Organizations are using Starburst Enterprise on Google Cloud in a variety of ways. Starburst Enterprise leverages Google Kubernetes Engine (GKE) to meet cost and performance goals via dynamic autoscaling, with additional integrations into Google Cloud’s BigQuery, Dataproc, DataPlex and Looker. For customers that are looking for fast, cost effective, secure, simple SQL access to data stored in GCS, and also federated analytics across data sources in Google Cloud, on premise and multi cloud, Starburst Enterprise allows for:

Interactive Data Investigation

The Starburst platform allows for rapid ad hoc analysis and data exploration. Data scientists can 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. 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 sampled a smaller, less accurate subset of your data to yield results faster. Starburst 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 has package support for Java, Python, R, Spark, etc. — familiar data science tools such as Jupyter Notebook 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 Google Cloud Storage. 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, auto scaling, high concurrency, ANSI SQL compatibility, and other benefits.

Business Outcomes
Overall, enterprises and large organizations that partner with Starburst to optimize their Google Cloud investment benefit from:

- **Shorter Time to Value**
- **Improved Price vs. Performance**
- **Increased User Adoption**
- **Enhanced Security**

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