

# Make better decisions with fast, comprehensive data access

Starburst Enterprise with Red Hat OpenShift

Red Hat OpenShift automates the provisioning, management, and scaling of applications to help you focus on writing the code for your next big idea.



## Starburst

Starburst Enterprise lets organizations run analytics anywhere to make better business decisions.

### Stop moving data—and start unlocking its value

Making smart decisions based on data-driven insights is essential to remaining competitive. Many organizations rely on a combination of traditional and modern applications to run their business and make critical decisions. They combine traditional and modern data sources with data scattered across datacenter, cloud, and vendor environments.

For many of these enterprises, existing processes and data stacks cannot handle the sheer scale of incoming data. Traditional extract, transform, and load (ETL) processes that simply copy data from one or more sources into a database are inefficient and delay critical insights. A single source of the truth remains elusive, and development of machine learning (ML) and artificial intelligence (AI) applications—which require universal access to massive amounts of data from across the enterprise—is impeded.

### Access and analyze data from any data source

Analysts need reliable, consistent user and operational experiences that let them access and analyze data from diverse sources rapidly without having to worry about where data is stored, what form it is stored in, or whether it is in flight or at rest.

[Starburst Enterprise](#) gives analysts the freedom to query diverse data sets wherever they are, without building a data warehouse or creating copies. It provides instant and simultaneous access to multiple software-defined data storage platforms deployed with [Red Hat® OpenShift®](#)—such as a data lake, SQL database, or NoSQL database running on [Red Hat OpenShift Data Foundation](#)—or many other environments.

### Perform rapid reporting, analytics, and SQL queries on petabytes of data

Starburst Enterprise is built on the open source Trino distributed SQL query engine, designed for interactive analytic queries against data sources ranging from gigabytes to petabytes in size. However, operating Trino at scale can present challenges, especially when attempting to size and configure environments manually.

Starburst Enterprise with Red Hat OpenShift adds the tools and 24x7 support enterprises need for big data access at petabyte scale through a fully supported, production-tested enterprise distribution of Trino. Together, Starburst Enterprise with Red Hat OpenShift offers automation, high availability, elasticity, and monitoring capabilities for Trino clusters. In addition, a Kubernetes operator greatly simplifies administration of Starburst Enterprise clusters.

The benefits of these operators include:

- ▶ **Automation.** Red Hat OpenShift and Starburst Enterprise operators automate cluster provisioning, configuration, tuning, management, and updates.
- ▶ **High availability.** Load balancing can keep critical services in an always-on state.

Using Starburst Enterprise with Red Hat OpenShift Data Science helps data scientists rapidly ingest large volumes of source data to their tool or language of choice.

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- ▶ **Elastic scalability.** Automatically deploy, operate, and scale workloads in Kubernetes infrastructure.
- ▶ **Phased scale-down and decommissioning.** Free system resources from unused worker pods for other tasks without interrupting services.
- ▶ **Monitoring for all hardware and software layers.** Get metrics and alerts that populate the Red Hat OpenShift dashboard.
- ▶ **Support for Red Hat OpenShift AI.** With Starburst Enterprise, application developers can use SQL and NoSQL databases directly from Red Hat OpenShift Data Science. Business users can pull data from data lakes running on storage archives.

### Learn more about Starburst Enterprise with Red Hat OpenShift




Together, Red Hat OpenShift and Starburst Enterprise support better and more timely insights through rapid data analysis across multiple disparate and distributed data platforms. Red Hat customers can deploy Starburst Enterprise within their hybrid or multicloud environments to quickly access and analyze data across any data source.

Visit [Starburst in the Red Hat Ecosystem Catalog](#) to learn more.



### About Red Hat

Red Hat helps customers standardize across environments, develop cloud-native applications, and integrate, automate, secure, and manage complex environments with [award-winning](#) support, training, and consulting services.

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