

# Databricks on Google Cloud

An open source lakehouse in the data cloud



Databricks and Google Cloud deliver a shared vision of a simple, open lakehouse within a data cloud that supports all analytics and artificial intelligence (AI) use cases, empowering organizations to innovate faster.

Accelerate Databricks implementations by simplifying data access, gain powerful new ways to analyze data, and leverage our combined AI and machine learning (ML) capabilities to impact business outcomes.

## What is a data cloud?

A data cloud provides a comprehensive approach to cloud that embraces the full data lifecycle, from the systems that run your business and where data is born, to analytics that support decision-making and AI and ML that predict and automate the future.

With a data cloud, you can securely unify data across your entire organization, maximize value from that data, and support business transformation. Use a data cloud to break down silos, increase agility, and innovate faster.

## What is a lakehouse?

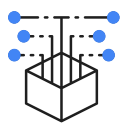
A lakehouse is a type of data architecture in the data cloud that combines the best of data lakes and data warehouses. Lakehouses deliver the data management and performance typically found in data warehouses with the low-cost, flexible object stores offered by data lakes.

The Databricks Lakehouse provides one simple platform to unify all your data, analytics and AI workloads. Delta Lake forms the foundation of this cost-effective, highly scalable lakehouse and offers robust reliability, performance, and governance.

## Better together

Databricks on Google Cloud brings an open source, open standards lakehouse to the open data cloud to unify data engineering, data science, and analytics. The solution integrates with Google Cloud services across the data cloud, making it simple to leverage the combined capabilities of both industry leaders.

## Why Databricks on Google Cloud



### Open

Databricks and Google Cloud share a commitment to open innovation and open source software. This approach assures interoperability and portability for enterprises, including those that want to use multiple public clouds and open source technology.



### Optimized

By adopting GKE as an operating environment, Databricks on Google Cloud is able to leverage managed services for security, network policy, and compute and as a result, provide customers with increased efficiency for global scale, price performance. Leveraging Kubernetes will allow you to deploy your Databricks clusters much faster and with higher performance and ROI.



### Integrated

Databricks integrates with Google Cloud Storage, Pub/Sub, BigQuery, Looker, Dataproc Metastore, and Google Kubernetes Engine. This unifies the experience and helps analytics teams build the applications they need to move the business forward faster.

Access Databricks from the Google Cloud console to get unified billing, monitoring, and access controls for streamlined management and a unified analytics infrastructure.

[Get started today](#)