

It was introduced by Google in 2010 as part of its Google Cloud Platform. Performance and Usability Improvements: Google continues to enhance BigQuery's performance, security, and usability, adding features like materialized views, improved query optimizations, and enhanced data governance capabilities. 2022–Present: Continued Innovation BigLake: Announced in 2022, BigLake is a storage engine that unifies data warehouses and lakes, enabling BigQuery to query data from different storage formats (like Parquet and ORC) and locations (such as Amazon S3 and Google Cloud Storage). BigQuery Omni: Launched in 2020, BigQuery Omni allows users to analyze data across multiple cloud environments (Google Cloud, AWS, and Azure) using a single interface, addressing the need for multi-cloud data analysis. 2016–2018: Enhancements and Expansion BigQuery Data Transfer Service: Introduced in 2017, this service automates the movement of data from various sources (like Google Ads, YouTube, and Google Analytics) to BigQuery, simplifying the ETL (extract, transform, load) process. BigQuery ML: Launched in 2018, BigQuery ML allows users to create and execute machine learning models using standard SQL queries, making machine learning more accessible to data analysts and developers. Dremel can query massive datasets in seconds using a distributed, columnar storage .format