

Google BigQuery

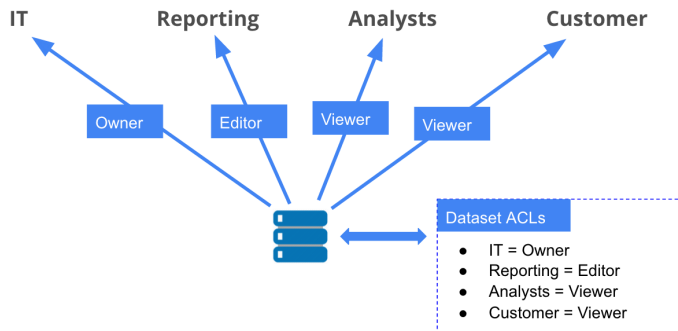
A fast, economical, and fully managed data warehouse for large-scale data analytics



Features & Benefits

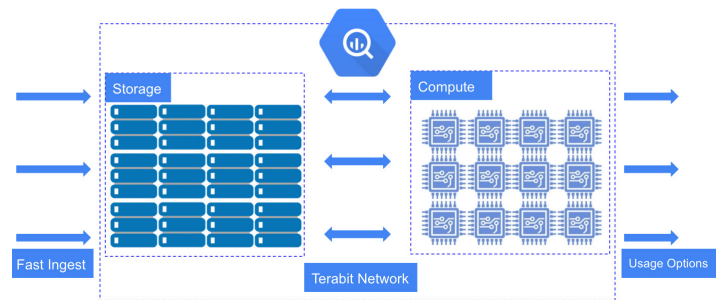
- 1 Fully managed by Google:**
- Google seamlessly deploys, maintains, and upgrades your database, Google is on-call to monitor uptime, and Google knows if your jobs fail - when they fail.

- 3 Multitenancy built-in:**
- No need to deploy multiple clusters and duplicate data into each one. Manage permissions on projects and datasets with Access Control Lists.



- 2 Easy to use:**
- Just upload your data and run SQL.
 - No cluster deployment, no virtual machines, no setting keys or indexes, and no software.

- 4 Seamlessly scales with usage:**
- Storage and Compute are separate.
 - Storage scales to Petabytes.
 - Compute scales with usage without cluster resizing.
 - Use thousands of cores per query.
 - Only pay for what you use, not what you deploy.



- 5 Highly available and durable out-of-the-box**
- Deployed across multiple data centers by default, with multiple factors of replication to optimize maximum data durability and service uptime.

- 6 Incredibly fast:**
- Analyze terabytes of data in seconds.
 - Stream millions of rows per second for real-time analysis.

- 7 The Google pedigree:**
- Powered by Dremel.
 - In production at Google since 2008.
 - BigQuery in production since 2012.
 - BigQuery and Dremel process exabytes of data every month.

```
1 SELECT language, S
2 FROM [helixdata2:b
3 WHERE REGEXP_MATCH
4 GROUP BY language
5 ORDER BY views desc;
```

25.5s elapsed, 3.70 TB processed

RUN QUERY Save Query Save View Format Query Show Options

Query complete (25.5s elapsed, 3.70 TB processed)

BigQuery top use cases:

- Gaming telemetry
- Retail and e-commerce
- IoT
- Log analytics

To get started with BigQuery:

Go to cloud.google.com/BigQuery

The first 1TB of data processed per month is free



Google Cloud Platform