



Cloud Bigtable

Servicio de base de datos NoSQL escalable y totalmente gestionado para cargas de trabajo analíticas y operativas de gran tamaño con una disponibilidad de hasta el 99,999 %.

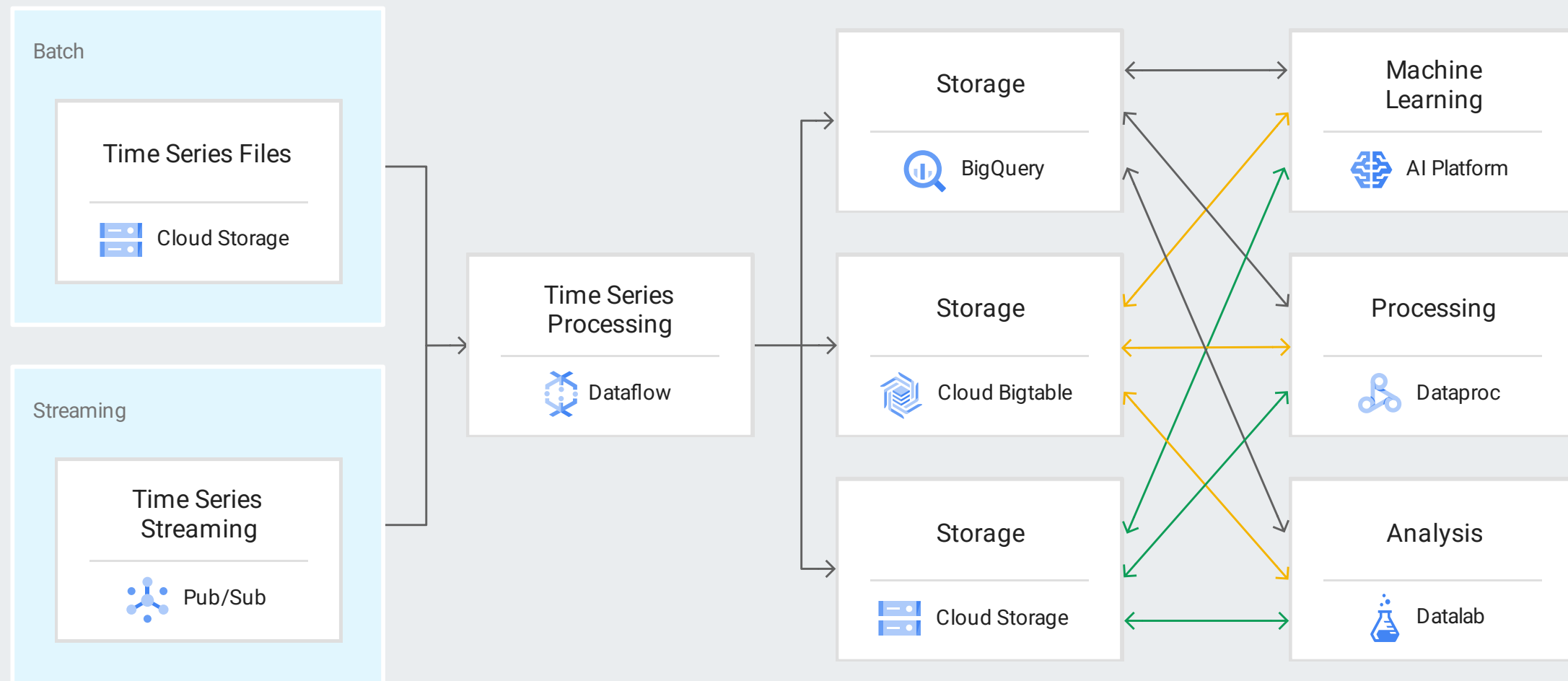


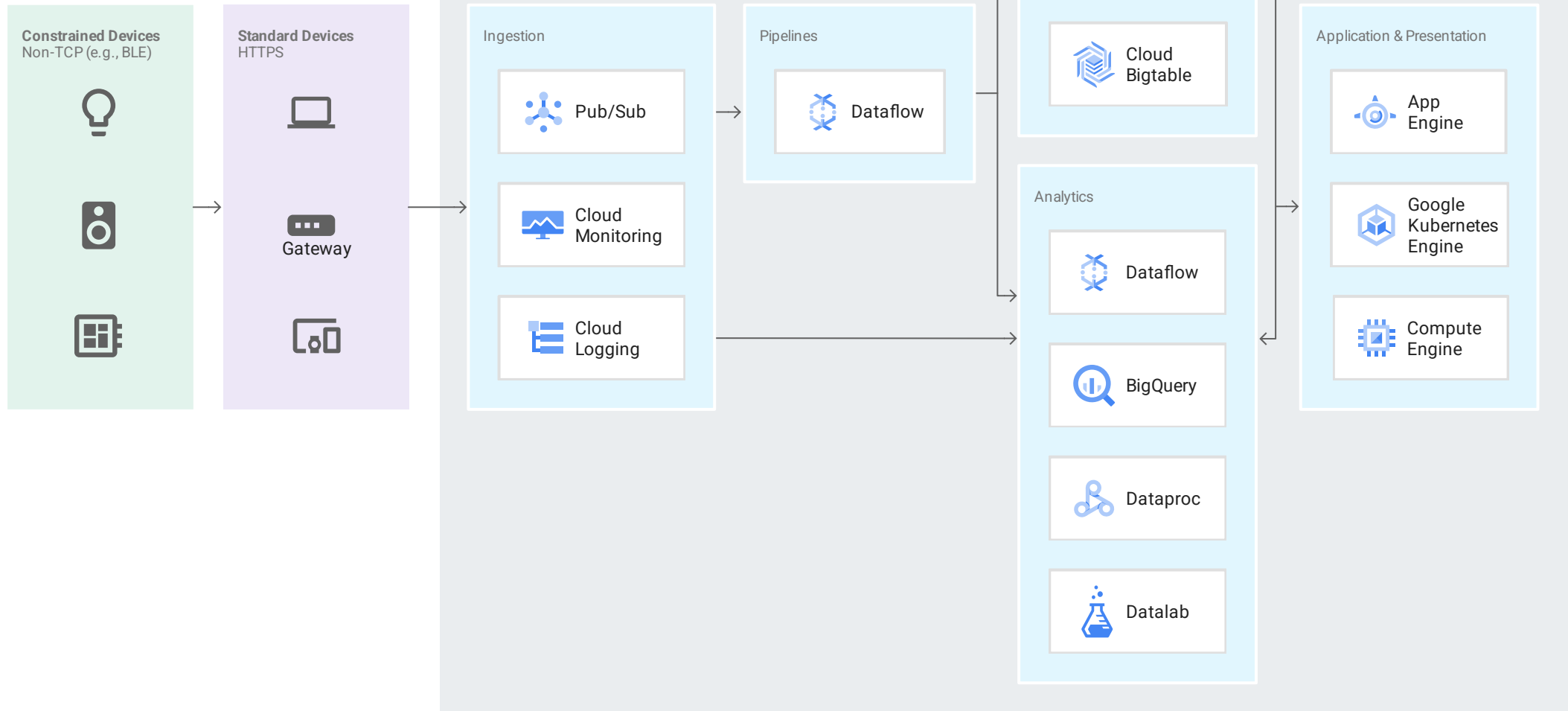
google-cloud-bigtable 2.7.1

```
pip install google-cloud-bigtable
```





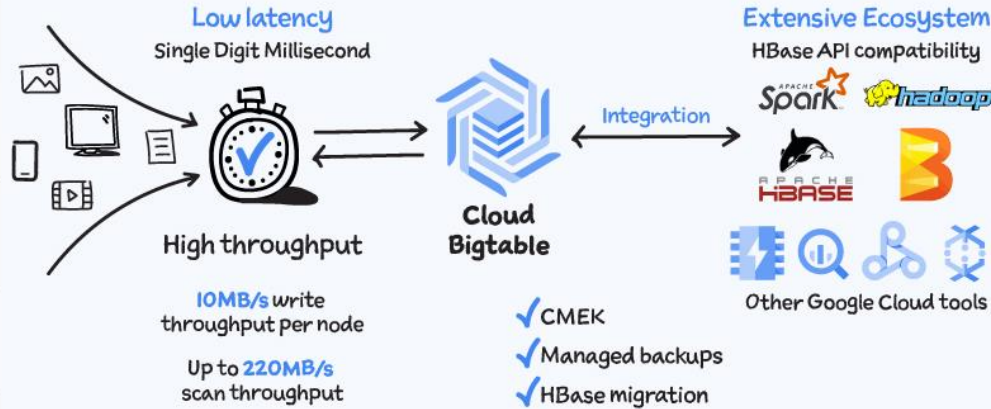




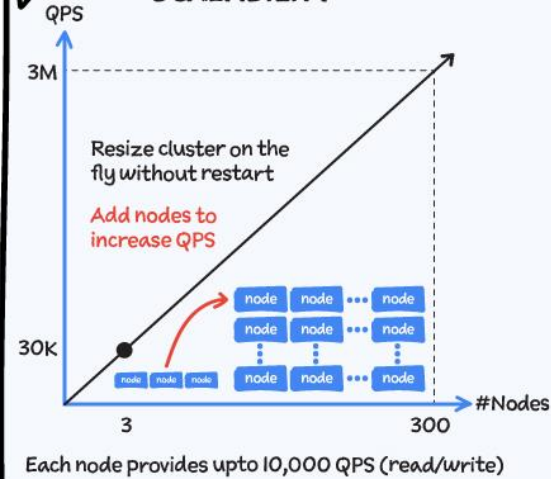


What is Cloud Bigtable?

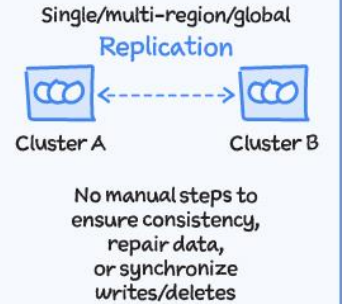
FULLY MANAGED **PETABYTE-SCALE** NOSQL DATABASE
For heavy reads/writes



SCALABILITY



FAILOVER FOR HIGH AVAILABILITY (HA)

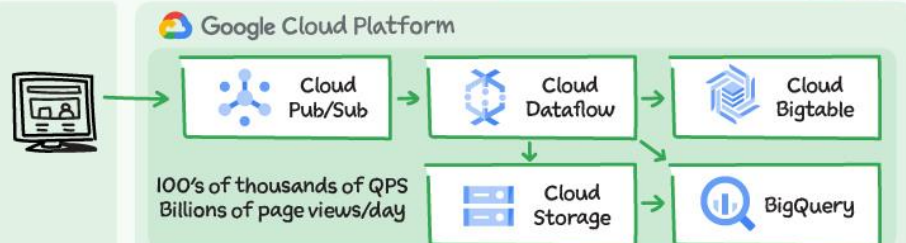


Cloud Bigtable «Use case examples»

REAL-TIME ANALYTICS FOR HUGE WORKLOADS



REAL-TIME AD BIDDING PLATFORM

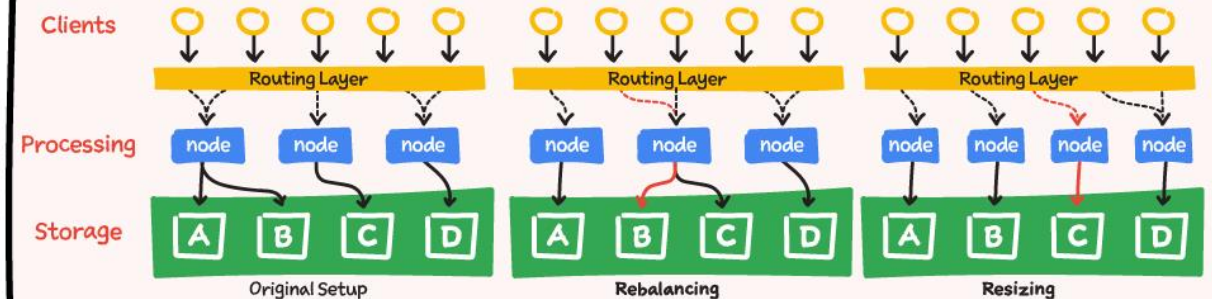


How does Cloud Bigtable Optimize throughput?

Cloud Bigtable separates processing from storage, each node has access to a group of database rows

Rebalance load automatically to improve performance

Resize nodes (with no downtime) for best overall throughput



SSTable Definition

Sorted Strings Table (SSTable) is a persistent file format used by Scylla, Apache Cassandra, and other NoSQL databases to take the in-memory data stored in memtables, order it for fast access, and store it on disk in a persistent, ordered, immutable set of files. Immutable means SSTables are never modified. They are later merged into new SSTables or deleted as data is updated.

