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Supercharging Google BigQuery with Kyvos Semantic Layer

3x
faster performance
for AI and BI

65%
lower BigQuery costs
with no performance slowdowns

500+
concurrent queries
without additional warehouse scaling

With Kyvos semantic layer on top of Google BigQuery, enterprises eliminate redundant compute consumption, reduce query cost and experience lightning-fast analytics at scale — even with hundreds of concurrent users.

What You Gain with Kyvos on BigQuery

Single Source of Semantic Truth

Metrics, dimensions and hierarchies are defined once and reused across BI and AI.

Instant Analytics

Kyvos builds smart aggregates, enabling sub-second results on billions of rows.

Lower Compute Costs

Eliminates repeated query pushdowns and reduces compute consumption.

High Concurrency

Fully distributed, elastic architecture to support thousands of users simultaneously.

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Semantic Layer

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Benchmarking Parameters

10TB	500	12-hour
Data Size	Concurrent Queries	Daily Querying Window

Querying Speed

	Google BigQuery	Supercharging BigQuery with Kyvos
Query Push-Down	Sends requests to the underlying table every time	Reads data only once from the source
Query Response Time	Can take 8-9 seconds	<3 sec ↓ 62.5%
Query Push-Down	Scans data every query	Reads once, serves from aggregates
Ad Hoc Queries	Slower with joins & aggregates	Fast, consistent performance

Querying Cost

	Google BigQuery	Supercharging BigQuery with Kyvos
BI Query Cost (Annual)	~$596,938	~$207,008 ↓ 65.3%
Source Read Cost	Per query — compute each time	$6,000/yr — only at model refresh

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