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Supercharging Snowflake with Kyvos Semantic Layer

5x
faster performance
for AI and BI

~50%
lower query costs
through optimized compute usage

500+
concurrent users
without additional warehouse scaling

With Kyvos semantic layer on top of Snowflake, enterprises eliminate redundant query compute, reduce cloud spend and deliver instant analytics at high concurrency.

What You Gain with Kyvos on Snowflake

Single Source of Semantic Truth

Metrics, dimensions and hierarchies defined once, reused everywhere for consistent AI and BI.

Speed & Scale

Sub-5-second results on billions of rows for any number of concurrent users.

Cloud Savings

Smart aggregates eliminate repeated query pushdowns and reduce compute consumption.

Multidimensional Analytics

Support complex hierarchies like parent-child, ragged, alternate with advanced MDX functions and custom rollups.

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Semantic Layer

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Benchmarking Parameters

5M	500	12-hour	X-Large
Rows of Data	Concurrent Queries	Daily Querying Window	Snowflake Warehouse

Querying Speed

	Snowflake	Supercharging Snowflake with Kyvos
Average Query Response Time	15–20 seconds	**<5 sec** ↓ 66.7%
Max Concurrent Queries per Warehouse	60 queries (8 XL warehouses needed for 500 users)	500+ queries, single Kyvos cluster
Query Push-Down	Sends requests to underlying tables every time	Reads data once; serves from smart aggregates
Ad Hoc Query Speed	Slow — degrades with joins and aggregates at runtime	<2 seconds

Querying Cost

	Snowflake	Supercharging Snowflake with Kyvos
Hourly Compute Cost	$376 (8 × XL warehouses)	$24.640
Daily Cost	$4,512	~$296
Monthly Cost	$99,264	~$6,605 (incl. EBS storage)
Annual Total Cost	$1,191,168	**$585,260** ↓ ~51%
Source Read Cost	Per query — compute each time	$6,000/yr — only at model refresh

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