



The Myth of Database Infrastructure That's Hurting Your Productivity, Performance, and Pace of Business



For decades, there's been a comfortable myth in database infrastructure – provision more instances to dedicate workloads to for performance and run them on faster hardware. CPUs do the work, and everything else just keeps up, right? That assumption no longer holds as databases have exploded in size, workloads are now bigger and more varied, and queries, pulling from multiple sources, are far more complex. And it breaks down completely when millions of queries generated make the human ability to performance tune timely, efficiently, and cost-effectively virtually impossible. Clearly, what got you here won't get you there.

The Query Performance Problem Hurts More Than You Think

All problems have a root cause. Databases are no different and all will suffer from poor query performance. It's inevitable, especially when constantly fed the “garbage in/garbage out” of badly coded SQL and inefficiently written, poorly executing queries. Nothing craters query performance faster and no amount of hardware – no matter how fast the CPUs – can fix that. This is when the user complaints start to mount and the troubleshooting surges. This is when productivity degrades, time to insights and important decisioning slows, and pace of business drags.

The instinctive response has been to upgrade hardware and overprovision to brute force with more/faster CPUs and cores, larger memory and cache footprints, and faster storage (HDD to SD, even NVMe). It doesn't work. It just busts budgets and you still have a bad SQL/bad query problem. Fix this and you'll benefit from enormous gains in efficiency and performance.

Enter HyperQuery™. The Solution Built for This Moment.

HyperQuery is an Agentic AI-powered query rewrite performance optimization “as-a-service” solution that enables anyone to optimize any query anywhere, on-premises or cloud, transactional or analytical, instantly and autonomically – no tuning.

Underpinning HyperQuery is our ASTRO AI, our 100% SQL-aware, 100% self-contained (no outside LLM calls, no hallucinations) Agentic AI/relational algebra/relational calculus rewrite engine comprised of 100s of analysis, inferencing, deduction, pattern matching, forward chaining, logic reduction, anti-SQL patterns algorithms – an ever-expanding “rules” library – that fires the precise number of rules needed to fully optimize a given query. All rewrites are guaranteed returned in the exact same order/# of rows, verifiable via mathematical proofs, with:

- syntactically correct PerfectSQL
- best cost-optimized execution efficiency for optimal execution plan decisioning
- orders of magnitude – 100s to 1,000s X – improved performance

HyperQuery is 100% web-based – no software to install/configure/manage/update – and no expensive licensing as pricing is simply pay-as-you-go per query. No long-term contracts, no unused subscriptions, no instance/user/query caps, no lock-in. Best of all, optimization is an easy friction-free and risk-free copy/paste motion:

1. upload query
2. select your database, data warehouse, or data lake platform and click “optimize”
3. see the rewrite with explanation (if we can't optimize better that what was uploaded, we tell you immediately upon analysis – no charge)
4. purchase the rewrite and download for use
5. all performed instantly and autonomically – no touch, no schema needed, no database changes, no app changes, no tuning, no additional hardware required



Better Efficiency, Better Performance, Lower Costs, Same Infrastructure, No Changes

100% of all stakeholders benefit 100% from better query performance with the speed they need to the vital insights that drive business.

The teams that optimize with HyperQuery solve their query performance problems proactively, not reactively. They stop playing defensive, serve more users with higher satisfaction, and do it with far less complexity and simplified operations at lower cost. Better efficiency and performance and lower TCO are not a tradeoff – with the breakthrough architecture/game-changer results of HyperQuery, they're the same outcome.

Simpler.... better.... faster... no other solution delivers query rewrite optimization performance more accurately, more efficiently, or more cost-effectively than HyperQuery. You simply can't optimize better or faster yourself for less.