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Real-time Inference for the Real World

A USE CASE SERIES

Athena Intelligence

Athena is an AI-native analytics platform and artificial employee built to accelerate analytics workflows.

AI business technologists - in enterprises, government, and other organizations - are asking their technology teams how recent AI breakthroughs can be applied to solve their biggest challenges and transform their businesses. How can we use AI to not just make our business more efficient, but to create a lasting competitive advantage? How can we make it a core part of our DNA?

Many AI solutions they envision require real-time performance or better. These co-pilots can help a wide variety of professionals work faster and better and expand their potential. Working in real-time, they enable users to stay in their flow (drafting a report, writing code for a task) rather than stopping everything to wait for the co-pilot.

This series from Groq® explores different types of real-time AI solutions in detail. Groq builds the world's fastest AI inference technology. The LPU™ Inference Engine by Groq is a hardware and software platform that delivers exceptional compute speed, quality, and energy efficiency.

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Large, multinational consumer goods companies have a constant and interesting challenge: What products should they launch in which markets, and when? Once those products have launched, how can they continuously adjust their go-to-market planning to optimize sales and profits? When they have a great or bad quarter, what were the drivers?

But what about all that unstructured, messy data that's lying around an organization? Slide decks, emails, spreadsheets, PDFs, all those big fat market reports that every company generates. What if data analysts could tap into that data for insights? Not just tap into it, but have a conversation with it?

This is the promise of the new AI-native analytics platform, Olympus, from Athena Intelligence. Powered by Groq to deliver "wow" fast interactivity, Olympus helps data scientists write the code and queries necessary to dive into their structured data. It enables data analysts to have in-depth conversations with their data - structured and unstructured. How well is this SKU doing? How much upside does it have? What can we do to get there? It allows all of these experts to ask more questions and go deeper into any given topic because of the instant responses they get.

As new insights and ideas emerge, the co-pilot helps the analyst quickly build executive-ready reports to convey their findings. Typically, a lot of the data analyst's work is consumed by the mundane tasks of creating charts and slides; the Olympus co-pilot automates much of this work, freeing up analysts to spend more time on finding new insights and thinking about other strategic opportunities.

As the expert analysts spend more time working with their Athena co-pilot, the co-pilot learns more about and ingests the analysts' typical workflows. Over time, it doesn't just react to an analyst's queries, it becomes smarter about the business and can proactively suggest workflows the analyst might want to pursue.

None of this works without the real-time performance powered by the LPU Inference Engine. An effective co-pilot must naturally interact with the analyst, which requires near-instant responses. Such interactivity creates a superior user experience, higher productivity, better reports, and deeper, more insightful recommendations.

The Athena Intelligence AI Analytics platform provides companies with a powerful platform to spur profits and innovation. It's just one example of how real-time AI, powered by Groq, will help organizations transform their business and tackle big challenges.