MONZA Powered by KAINAM Augmented Performance Management

MONZA combines Relational and Multidimensional models. It is a Mondrian, Online Analytical Processing (OLAP) solution, enabling business users and analysts to explore and analyze large quantities of data in real time, using multidimensional queries.

Purpose-built for ultra-fast, scalable insights across massive datasets. Empowering users to easily slice, dice, drill, and generate reports, enabling fast, intuitive analytics.

MONZA leverages Relational and Multidimensional Architecture

An OLAP engine that is AI-Augmented, reporting tool agnostic, and can replace legacy OLAP tools with no-lock-in.

Here's how it works:

Relational OLAP (ROLAP):
MONZA reads data from KIMBALL and presents it in a multidimensional format, allowing users to slice, dice, drill down, and aggregate data across various dimensions (such as time, geography, product, etc.).

MDX-to-SQL Translation Layer:

Analysts can leverage MDX (Multidimensional Expressions) query language, which is standard for querying OLAP cubes and is available in MONZA platform.

Multidimensional Analysis:

Instead of just rows and columns, MONZA organizes data into "cubes" with axes (dimensions) and cells (measures), making it easier to analyze trends, patterns, and hierarchies.

Integration:

MONZA can integrate with various business intelligence tools and supports interfaces leveraging XMLA, making it flexible for different analytics environments.

Open Source & Extensible:

MONZA is open source and can been widely adopted in BI platforms. It can be extended or customized for specific analytics needs.

No ETL Bottlenecks:

Works directly on your native schema, eliminating the need to reshape or move data into cube-specific formats, saving time and reducing complexity.

Why is MONZA better than traditional OLAP cube technology?

MONZA is AI augmentation, vendor lock-in avoidance, scalability, integration, self-service, and cost efficiency.

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Traditional OLAP struggles with AI augmentation and scalability, with only moderate performance in architecture and integration.

Here's why MONZA stands out

We offer several advantages over traditional OLAP cube technology, making it modern, flexible, and scalable solution.

Criteria	Traditional OLAP Tools	MONZA
Relational and Multidimensional Architecture	Traditional OLAP cubes often require data to be pre-aggregated and stored in proprietary formats, which can limit flexibility and scalability.	**Combines the strengths of both relational and multidimensional models, allowing users to analyze massive datasets with ultra-fast performance.**
AI-Augmented and Reporting Tool Agnostic	Many OLAP tools lock users into specific platforms, limiting flexibility, integrations, and driving up licensing costs. This vendor lock-in makes it difficult for organizations to modernize their analytics or adopt new technologies without major disruption or expense.	**AI-augmented to optimize queries and automate complex analytics, while remaining reporting-tool agnostic for broad BI integration. Open-source and extensible, avoiding reliance on any single vendor or proprietary tech.**
Real-Time, Scalable Analytics	Traditional OLAP cubes can struggle with big data and real-time requirements due to their static nature and limited scalability.	**Designed for real-time analytics and can scale to handle billions of rows, supporting rapid growth and large-scale data needs.**
Flexible Integration	Traditional OLAP cubes often have limited integration capabilities and can be difficult to connect with modern cloud and API-based systems.	**Supports integration with various business intelligence tools and interfaces (such as XMLA), making it adaptable to different analytics environments.**
Self-Service and Business-Friendly	Traditional OLAP cubes typically require technical knowledge to query and maintain.	**Enables self-service analytics, allowing business users to easily slice, dice, drill, and generate reports without deep technical expertise.**
Lower Maintenance and Cost	Traditional OLAP cubes often require ongoing maintenance by experts, increasing total cost of ownership.	**With automated orchestration and self-service pipelines, MONZA reduces the need for specialized, expensive expertise and lowers operational costs.**
Cloud-Native and Modern Security	Traditional OLAP cubes struggle with cloud-native deployment and modern security, making it hard to scale workloads or use cloud services effectively. Many lack built-in encryption, advanced access controls, or compliance features, creating security risks and extra operational burden.	**MONZA is built for cloud-native or cloud-ready deployment, supporting seamless integration with public, private, and hybrid cloud environments. It also offers built-in security, encryption, and compliance features to meet modern regulatory requirements.**

MONZA

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Ready to Go Beyond Traditional Cubes?

MONZA redefines OLAP for the modern data era.

Visit kainam.ai and request a demo

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