MegadataWeb

Unprecedented simplicity and performance

Advanced Web Technology
for Artificial Intelligence
Big Data Management, Analysis
and Knowledge Harvesting

George Toms, Ph.D.
President & CTO

Browser-Based Data Processors: A New Era in AI and Big Data Processing

Until now, existing browser applications, including those developed by industry giants like Microsoft (**Excel Online**) and Google (**Google Sheets**), have been unable to process data files larger than 100 megabytes.

We are thrilled to introduce **Megadata Web (MDW)** technology, which breaks this barrier. MDW enables the creation of browser-based data processors with the capability to handle **terabyte-sized data files**.

This revolutionary advancement opens new possibilities for AI and Big Data off-line processing directly within your browser.

Introducing Megadata Web Technology

We are excited to present Megadata Web (MDW) technology, a revolutionary suite of JavaScript libraries for building browser-based data processing applications.

Key Features of MDW

Large Data Processing:

MDW excels at handling extremely large datasets, far more efficiently than existing web solutions:

- **Alisa:** An MDW-based web application, similar to Microsoft Excel Online and Google Sheets, capable of managing tables with **over 250 million cells**.
- **Anastasia:** The world's most powerful MDW-based tool for Big Data Aggregation, Visualization, and Knowledge Harvesting. It can process CSV files up to 1,200+ GB, 10+ billion rows, and 100+ billion cells.

High Performance:

MDW leverages advanced data processing algorithms for sorting, searching, filtering, grouping, deduplication, and aggregation, processing millions of records significantly faster than other web technologies.

Features (continue)

Offline Data Processing: Unlike existing web data processing technologies, MDW processes Big Data entirely offline, without any server support.

Compact Data Formats and Minimized Bandwidth Usage: To optimize data processing for AI applications, we have developed highly efficient data formats that dramatically reduce memory usage for storage and transmission.

Advanced Data Processing Algorithms: MDW includes robust tools for sorting, filtering, aggregating, storing, representing, displaying, and analyzing data.

Quantum Leap Screen Rendering Performance: With advanced screen rendering tools, MDW allows users to visualize very large files quickly, without needing server support.

Unloading Web Server: MDW distributes the server load to thousands or even millions of users' computers, reducing the burden on any single server.

WYSIWYG (What You See Is What You Get) Editor: The platform features a powerful WYSIWYG editor, simplifying the development process and enabling the creation of complex applications without extensive programming knowledge.

Proof of Concept

Based on our cutting-edge MDW technology, we have developed Alisa, a web-based system for analyzing and visualizing large data tables.

Alisa can handle tables with over 32,000,000 records, compared to Microsoft Excel's maximum of 1,048,576 records.
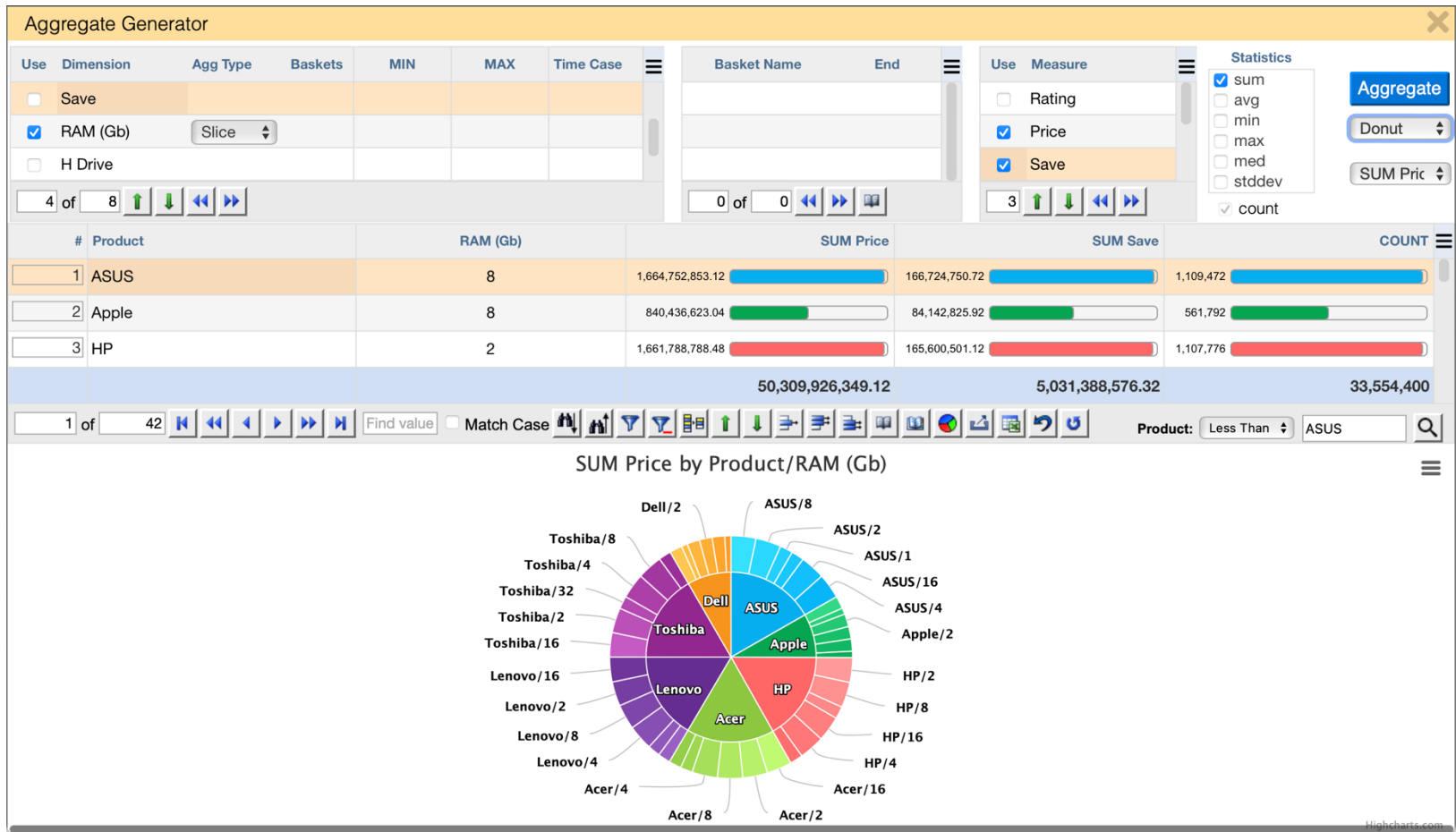
Proof of Concept (continue)

With the capability to process tables containing over 250 million cells, the MDW-based application Alisa outperforms Google Sheets' 10 million cell limit by more than 25 times and Microsoft Excel Online's 100MB limit (15 million cells) by over 16 times.

Competitive Advantages

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1st TO MARKET

In some cases, we don't have any competitors at all because other current Web technologies cannot begin to handle processing that much data.

SIMPLICITY

An advanced data processing engine was created with an emphasis on simplicity, usability, performance, and maximum functionality without the problems inherent with other solutions.

PERFORMANCE

Dramatic increase the amount of data/information that can be delivered in just a single web page and process it much faster than any other competitor on the market today.

SCALABILITY

Distributed computing - former server-side SQL tasks, like data sorting, indexing, and reporting, are now accomplished more efficiently on the end-user's browser-equipped PC, Mac, phone, iPad, or tablet.

BANDWITH

Reduces, by up to 98 percent the redundant and unnecessary network traffic associated with current database querying methods. This translates to increased network capacity for future expansion and lower maintenance expenses.

FLEXIBILITY

Megadata Web enables you to create portable, one page business applications with Web simplicity, desktop performance, and secure offline data processing based on the **user's needs** – not the application's limitations.

Market Evaluation

The market for AI data management is estimated to grow from USD 25.1 billion in 2023 to USD 70.2 billion by 2028, at a CAGR of 22.8% during the forecast period.

Source: Artificial Intelligence (AI) Market Research Reports & Consulting

Target Clients
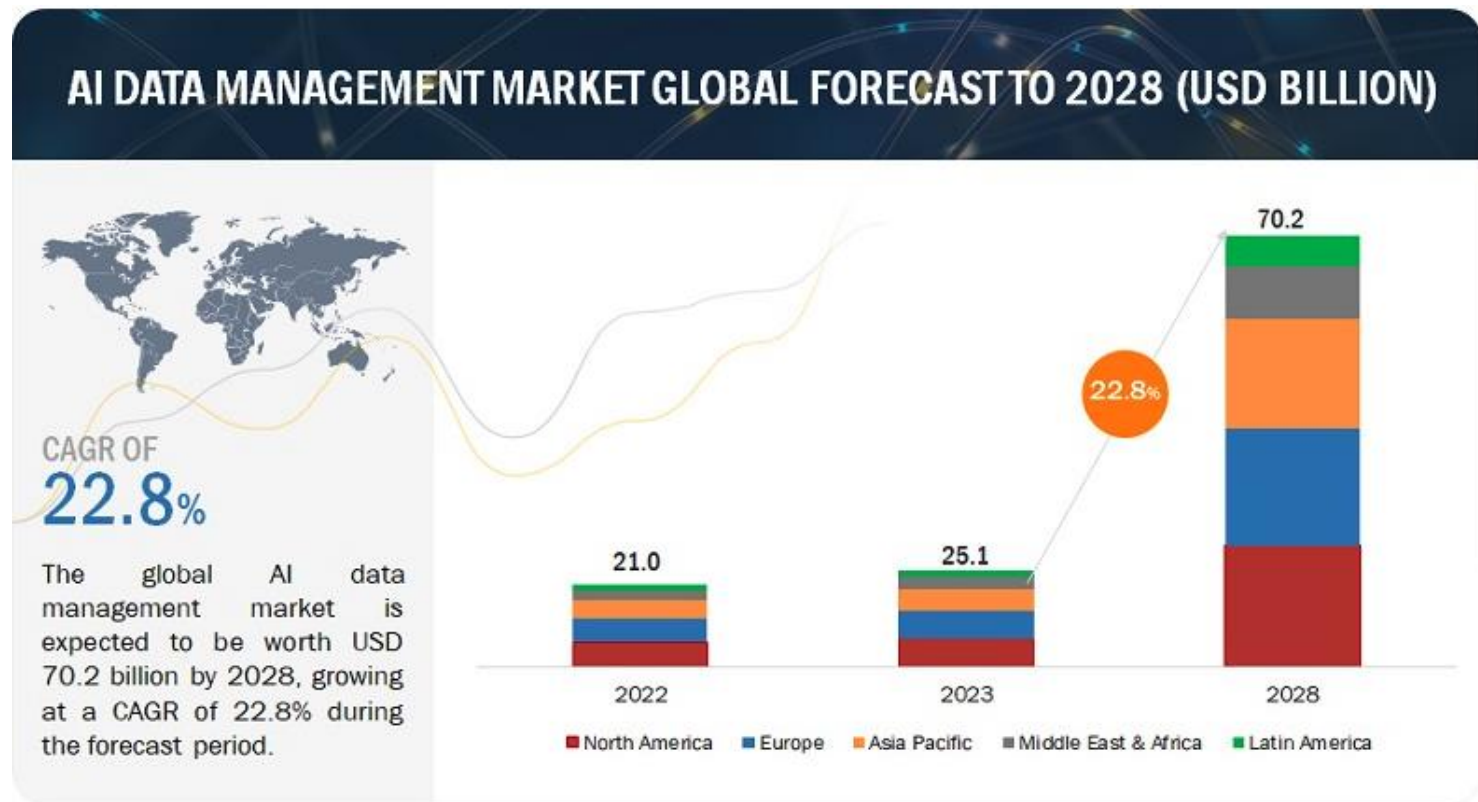
- All corporations for AI business analytics

- All major high-tech companies (Microsoft, Apple, Google, etc.)

- Banking, financial, and bookkeeping applications

- Credit card companies

- Internet stores

- Biotech industry for DNA/RNA processing

- IoT Industries: agriculture, defense, infrastructure, insurance, logistics, manufacturing, mining, retail, transportation, utilities...

- Health care, telecom, government, oil and gas, education, and life sciences

- Software for knowledge workers – analyst, engineers, scientist, planners, managers, salespeople, researchers, teachers, students, etc.

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George M. Toms, Ph.D.

President and Chief Technology Officer

Dr. Toms is an expert in distributed Web client (Browser) off-line data processing, Rich Internet Applications, software integration and internationalization, logic synthesis, algorithm optimization, mathematical logic, parallel Boolean data (vectors and matrices) computing, data sorting and searching, text parsing and processing, custom database optimization, and application acceleration.

Nikolai N. Pepik

Chief Executive Officer

Mr. Pepik has extensive experience in international business markets, which has equipped him with the skills to successfully manage and lead global companies.

Potential Acquisitors

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