SQREAM

SQream Technologies
The Data & Analytics Acceleration Platform

Harnessing the Power of Data,
via GPU acceleration

SQream makes it possible to get
unattainable insights from data and
compute-intensive workloads

"I have never seen such a solution, very fast queries and very good compression"

Head of Analytics,
Big National Bank

"Thanks to its data ingestion and ELT capabilities, SQream has multiple options for reducing time to insight. I recommend that organizations with large-scale analytics requirements should consider SQream in their evaluations of potential analytic data platform vendors."

VENTANA RESEARCH

Matt Aslet,
Ventana Research

Trusted By:

orange™   mobicom   SAMSUNG   AIS   LiveAction   sinch

PubMatic   LG Electronics   Alibaba Cloud   vodafone

SQream enables you to break through the toughest data limitations

As companies seek insights from their data, existing infrastructure can struggle to effectively handle increasingly large datasets, extensive data transformation tasks, and complex queries that push compute resources to their limits. When there are requirements for terabytes and petabytes of data, capacity constraints negatively impact the quality and usability of insights, hindering success.

The Pain Points

Cost
Your CFO needs to bring down costs.

Location
Your data engineers need a single source of truth.

Scale
Your head of IT needs a flexible solution.

Skill
Lack of skill among multiple roles. Your HR needs better talent.

Time
Your boss needs to make data-driven decisions faster.

Meaningful Insights

In the fast-paced landscape of data-driven decision making, one challenge remains constant: deriving actionable insights from large datasets, in a timely manner, and at a reasonable cost.

SQream's cutting-edge portfolio empowers your enterprise to unlock the full potential of its data:

SQreamDB
Petabyte-scale data warehouse

- Huge datasets, complex queries
- Faster, deeper, and affordable Big data analytics
- Enterprise customers

SQream Blue
Data preparation lakehouse

- Data preparation pipelines for analytics and ML
- Directly on cloud storage
- No excessive data copies

Panoply
No-code self-service data warehouse

- Fastest & easiest deployment of cloud data warehouse
- BI with no engineering needed
- Department/SMB customers

SQream is a data and analytics acceleration platform that leverages patented GPU-based technology to process and analyze large and complex datasets, enabling organizations to uncover meaningful patterns, trends, and insights for improved operational efficiency and strategic decision-making

Linear, limitless scalability

∞ Complex queries

Fastest preparation time

∞ Integrations

⅕ Total cost of ownership

SQreamDB: The only data analytics platform for which no dataset is too large and no query is too complex

SQreamDB is an SQL database that empowers organizations to query and perform analytics on complex, petabyte-scale datasets, and gain time-sensitive insights faster than ever and at one-tenth of the cost. With SQreamDB you can ingest and prepare data, or instantly create ad-hoc queries using the capabilities of the SQreamDB query engine. It enables you to get answers to key business and operational questions with accuracy and at any scale.

SQreamDB is unique in that it doesn't take the typical approach of distributed data processing which causes cluster latency and bottlenecks.
Instead, it takes a proprietary approach of leveraging the parallel data processing of the GPU. Thus, by splitting large tasks into smaller processes, SQreamDB distributes operations between multiple GPU and CPU cores . Now you can dig deeper into your data to uncover more meaningful and impactful insights, and go faster to get these insights sooner and more cost effectively.
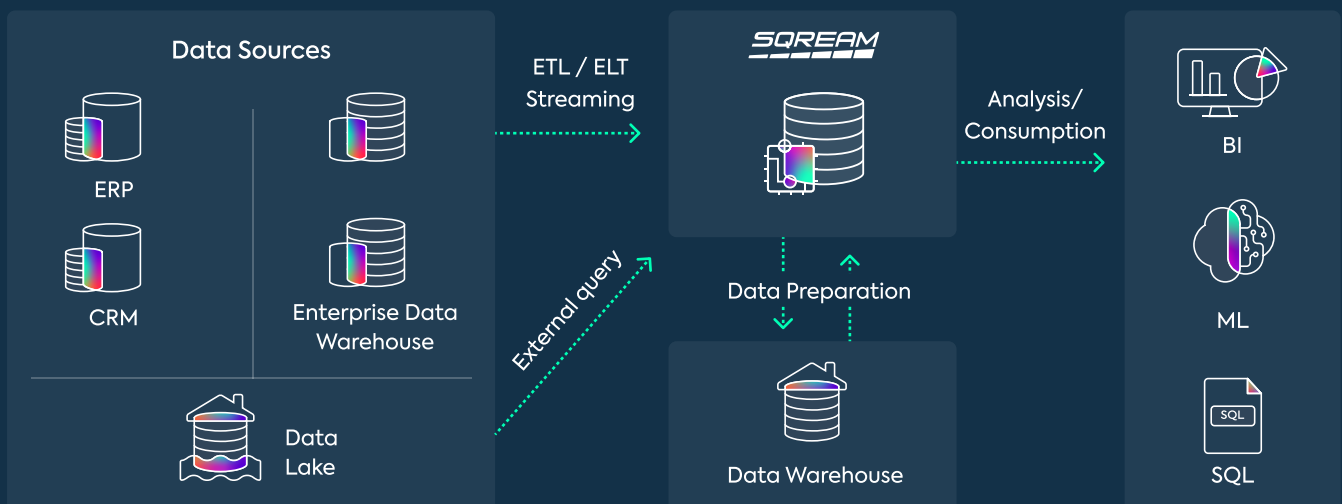
Solution highlights

Query – Processing is performed with the ANSI-SQL syntax, where queries can run through the built-in SQream Acceleration Studio or through a third-party BI tool.

Architecture – Compute and storage are completely separated, without any processing performed in memory. Multiple compute units run in parallel, storing and retrieving data from a single or multiple storage sources, delivering greater flexibility, and allowing for easy scalability.

Connectivity – Solution integrates into existing ecosystems and supports industry-standard ODBC and JDBC connectors, as well as Python and C#, .Net, Java, and others.

Compression – All ingested data is automatically compressed, at a 5:1 ratio, on average

SQreamDB Workflow Architecture

SQream Blue:
Data Preparation Lakehouse

SQreamBlue is a cloud-native, fully-managed data lakehouse built for fast, reliable, and cost-effective data usage utilizing a patented GPU optimization engine. The platform enables easy data preparation and transformation to and from the data lake for faster analytics.

Unmatched scale
Petabyte-scale
data pipelines

Lowest
at 50% of other
offerings

Speed
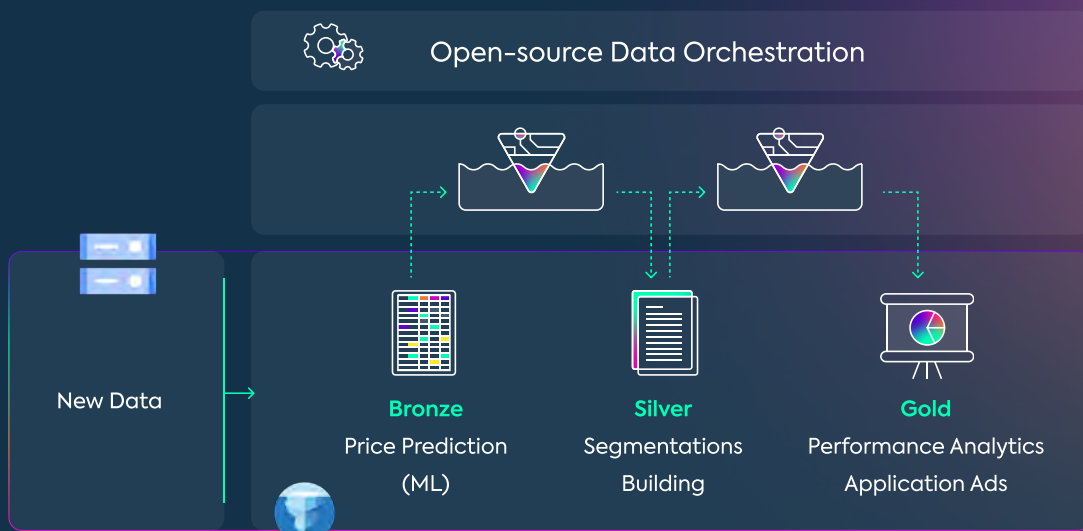2x faster for data
preparation

Solution highlights

GPU processing engine – Blue's performance leans on patented GPU-acceleration, synchronizing all available resources (CPU, GPU, RAM) and using the brute force of the GPU for the most complex analytical tasks. Blue uses the GPU to achieve parallel data processing

Architecture – SQream Blue doesn't require ingestion or data movement and relies on direct access to data in open-standard formats. Through the entire data preparation cycle, all data remains at the customer's low-cost cloud storage, maintaining privacy and ownership at best, while preserving a single source of truth and eliminating the need for data duplication.

Connectivity – Blue easily integrates with common open-source workflow management and orchestration tools (Apache Airflow, Dgaster, Prefect), along with support for industry-standard ODBC, JDBC, and Python connectors. Moreover, Blue's cluster management has a REST API.

Columnar optimization – Blue's processing engine utilizes Apache Parquet's column-oriented structure and metadata by saving unnecessary data read.

Open-source Data Orchestration

New Data

Bronze
Price Prediction
(ML)

Silver
Segmentations
Building

Gold
Performance Analytics
Application Ads

Panoply: Empowering Businesses with One Source of Truth

A managed low-code ELT and analytics platform with data connectors enables users to sync, store, and access all their business data.

> *"With Panoply, we only need two data analysts to manage 30 Tableau dashboards."*

SAUCEY   ESPORTS TECHNOLOGIES   motivate   Park Dental   Shinesty   Symphony CARE NETWORK

Revolutionizing E-Commerce and Retail Data Analytics

The modern e-commerce and retail arena generate a myriad of real-time data points from customer behavior, sales, inventory, and supply chain interactions. Panoply's platform enables non-technical business managers to synthesize data from these disparate sources into a single source of truth, allowing for more streamlined decision-making and strategic planning, without the need for extensive engineering support.

Low-Code Analytics for Data-Powered Dominance

Panoply eliminates the friction between data and insights, by providing a low-code environment that places the power of big data analytics directly in the hands of e-commerce and retail leaders. With an intuitive interface and simplified processes, you can effortlessly generate visualizations, create comprehensive reports, and unearth new avenues for growth — all without requiring advanced engineering skills or dedicated IT support.

Seamless Data Integration with AI Flex Connector

Embodying the nexus of technology and ingenuity, Panoply's AI Flex Connector revolutionizes data integration. With the power of AI, it merges diverse data sources into one centralized platform, paving the way for streamlined, automated analytics. This is more than a tool – it's a transformative vision where data is your greatest asset.
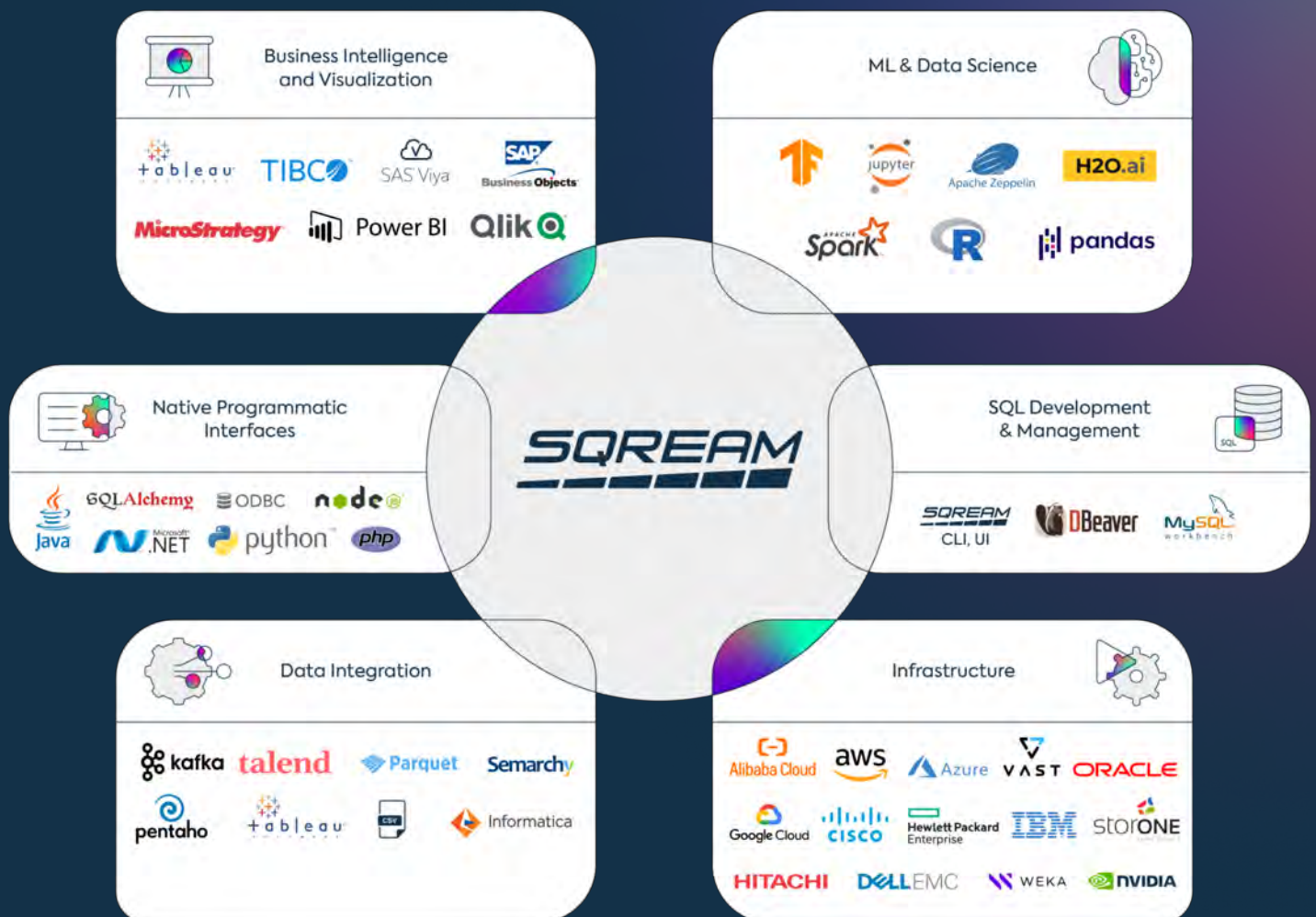
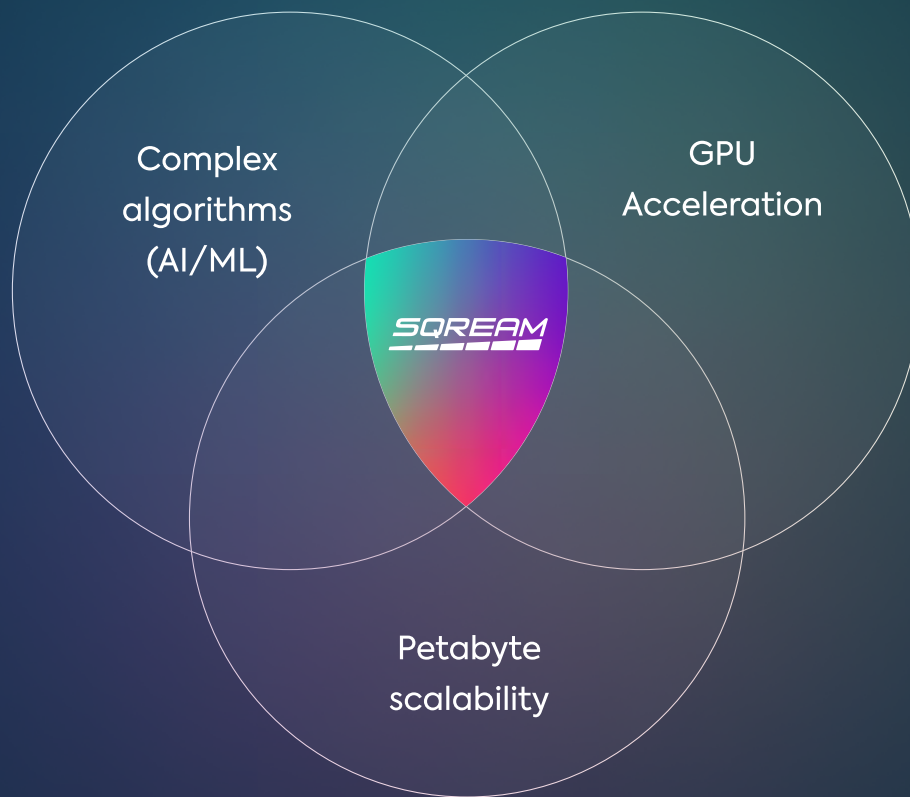High Performer Americas FALL 2023   Easiest Admin FALL 2023   And 9 more..

SQREAM

Synergistic Alliances for an Empowered, Data-Driven Future:

In today's data-centric business landscape, SQream serves as a facilitator, optimising the collaborative exchanges amidst the diverse technologies of the modern data stack. We position ourselves not as competitors, but as value-additive, contributing bespoke solutions that enhance and harmonise with your existing systems. Our pioneering products - SQreamDB, SQream Blue, and Panoply - effortlessly integrate with your current operations. By bolstering your data analytics capabilities and streamlining data management processes, SQream empowers your business to drive down costs while unlocking superior performance levels. With SQream, your data stack is not just a requisite structure but a launchpad for insight-infused growth and meaningful innovation.

Moreover, SQream acknowledges the immense value brought on board by system integrators and value-added resellers. These seasoned professionals boast unparalleled industry knowledge, enabling SQream to deliver highly tailored, powerful data solutions that propel businesses forward.

SQream – at the convergence of technological tsunami

Complex algorithms (AI/ML)

GPU Acceleration

SQREAM

Petabyte scalability

> "Through SQream, we are doing things that we were incapable of doing before"

(Senior Director for IT Strategy, Electronics manufacturer, Fortune 500)

Wanted!
Design Partner

- ✓ Data pipelines require cost-preference optimization
- ✓ SQL-based data pipelines
- ✓ Cloud data lake architecture
- ✓ Handling data pipelines of 5TB+ per day
- ✓ Looking to reduce cloud analytics costs

SQream is a data analytics company that helps organizations break through barriers to ask the biggest, most important questions from their data. Our GPU-based technology empowers businesses to overcome dataset limits and query complexity to analyze exponentially more data, and get substantially faster insights at dramatic cost-savings. By leveraging SQream's advanced analytics capabilities for AI/ML, enterprises can stay ahead of their competitors while reducing hardware usage. If you want to take your data initiatives to the next level, Ask Bigger and unlock new opportunities with SQream. SQream is trusted by leading enterprises including Samsung, LiveAction, Sinch, Orange, AIS, LG and more. To learn more, visit sqream.com or follow us on Twitter @sqreamtech.

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