XCALAR DATA PLATFORM

The Xcalar data platform dramatically simplifies and unifies your approach to modern data analysis for a wide range of users: Business Analyst, Data Scientist, DBA, Line-of-Business Manager, Developer, and IT Admin.

Xcalar Insight is an elegant and intuitive visual design studio that, coupled with the Xcalar Compute Engine, provides a powerful system which uses the smallest hardware footprint in industry. It delivers an unseen level of scale, parallelism and efficiency for processing billions of rows per second.

SECTORS

- Financial Services
- Technology
- Retail
- Healthcare
- Telecommunications
- Online Gaming

USE CASES

- Customer Analytics
- Operational Analytics
- IoT & Streaming
- Ad & Digital Marketing Analytics

- Fraud, Compliance & Reporting
- ETL Processing
- EDW Optimization

XCALAR

OVERVIEW

Xcalar can be best described as having the heart of a compute engine and the soul of a database. Xcalar's enterprise grade software for modern data scales to hundreds of nodes, thousands of simultaneous users, and petabytes of data. By reading directly from your unstructured data lake and other data sources including relational databases, Xcalar synthesizes a fluid schema that is dynamically updated as you explore and discover more about your data. It schedules jobs and queries to keep your traditional databases and datamarts updated.

Users explore terabytes of data in interactive time using a handful of servers or virtual machines. Even with trillions of records, our patent pending technology allows thousands of users to browse their data immediately with no computation within their browsers. The Xcalar data platform uses the smallest hardware footprint in industry by making efficient use of the entire memory hierarchy comprising memory, flash and disks. It does not need double or triple mirroring to provide fault-tolerance.

FEATURES

Familiar Spreadsheet Paradigm Taken to Extreme Scale

Easily work on petabytes of data.

Endless Scale-Out

Scale to hundreds of nodes, thousands of users and petabytes of data.

Visual Tool for Fundamental Discovery™, Analysis and Reporting - All on a Single Platform

Discover meaning from raw data at its very source regardless of format. Use your domain knowledge, intuition and imagination for comprehensive analysis and reporting.

In-Memory / Memory Hierarchy

Choice of in-memory and/or memory hierarchy for optimal balance between scale and capacity.

Machine Learning

Extensible ML libraries for a variety of use cases including auto-correction of data, easy to use UI, and recommendations for join keys.

True Data-In-Place™ Architecture

Data has mass. Xcalar's patent pending one-touch algorithms do not move data.

Data Governance and Lineage

End-to-end data lineage, coupled with conformance, audit and security features.

Flexible Data Formats and Connectors

Work with all of your data (semi-structured, unstructured and traditional database data) using a variety of connectors.

On-Prem, In-Cloud or Hybrid

Choose the configuration that best meets your business needs.

Fault-Tolerant

Robust and reliable enterprise grade software.

IT Administration Console

Easy to configure, monitor and control.

Reporting and Visualization

Seamless integration with visualization tools such as Tableau® and reporting tools such as Jaspersoft®.