ViaSQL™

Easily access mainframe data with SQL and meet the demand for mobile, web and cloud applications.
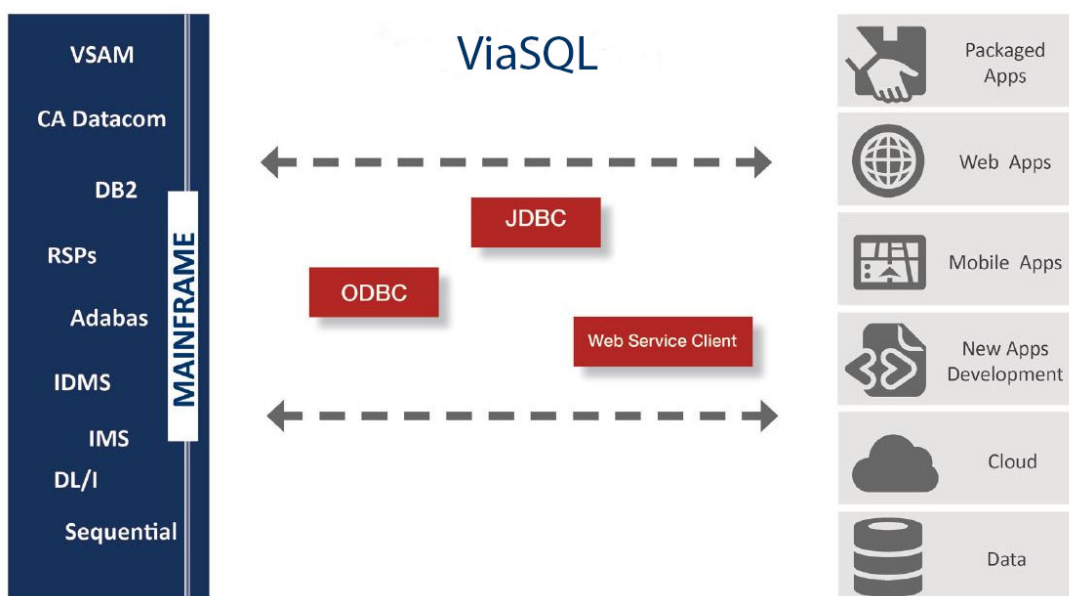
GTSoftware®

ViaSQL enables distributed clients or mid-tier servers to access data residing on the mainframe via standard SQL. Secure, reliable and performance driven, ViaSQL meets the most critical application deadlines to deliver in record time. That's because data access is quick and simple, and requires no changes to mainframe database systems or the underlying data.

The Challenge: Accelerating the Speed of Your Business

Today, organizations are faced with the rapid "consumerization" of technology, where users expect immediate results. To deliver the technology systems and information architectures needed to support new application requirements, organizations must be able to access and integrate information from multiple sources, including the notoriously hard-to-access mainframe data.

ViaSQL can solve mainframe challenges such as:

- The overwhelming demand to create high-value web and mobile applications
- The need to quickly access data trapped inside the mainframe
- The lack of skills and resources capable of accessing mainframe based data
- The desire to extend the value and investment of mainframe assets

Overview of the ViaSQL™

Key Benefits

> Provides standard SQL access to mainframe data in one tool
> Extends value and investment of the mainframe
> Is easy to install, administer and configure
> Enables agile deployment for rapid mobile, web, and cloud application development
> Allows creation of new business applications on any platform, leveraging existing mainframe assets
> Opens bi-directional access to non-mainframe data sources
> Adheres to standard mainframe security constructs
> Includes built-in load testing capability

Key Capabilities

SQL Access to Mainframe Data
Fast, easy access via ODBC/JDBC to data and applications on z/OS and z/VSE

SQL Access from CICS and Batch Programs
• Return result sets
• Perform special processing
• Execute important business logic
• Access/Update any data source

SQL Access to Other Types of Data
Access disparate data on both the mainframe and distributed based platforms. SQL-based queries can incorporate distributed data into mainframe applications. Distributed based data may be SQL Server, Oracle, Sybase, DB2 and others.

Data Transfer with Mainframe
Use the transfer function for data warehousing, data staging, near real-time replication or data migration

ViaSQL™ is…

Stronger

ViaSQL was built from the ground up to be a highly scalable data access solution. It has all the necessary attributes to support millions of transactions per day.

• High performance
• Security with control
• Strong management and
  monitoring

Better

ViaSQL has deeper, more robust capabilities, including:

• Better relational mapping
• Bi-directional support
• Multi-platform support
• Extended API support
• Advanced architecture that
  supports multi-tiered applications
• Broad support for industry
  standards

ViaSQL Server
The ViaSQL Server provides SQL access to mainframe data via ODBC or JDBC on z/OS and z/VSE.

Supported Data Sources

- DB2
- CA Datacom
- CICS/VSAM
- VSAM
- Sequential (flat files)
- IMS/DLI
- IMS/DB

ViaSQL for CSA Server
Windows x86 and x64 TCP/IP

- Outbound (SQL) access from CICS/COBOL
- Accepts client requests from a program running on the mainframe
- Submits the requests to the targeted LAN service
- Data conversion
- Windows Service
- TCP/IP only
- Batch and CICS support for CSAs

ViaSQL Transfer Server
ViaSQL Transfer Capability

- Data transfer with mainframe automatic, bi-directional tasks which move data between non mainframe and mainframe systems
- Deploys access directly or through a gateway
- Data conversion
- Windows Service
- TCP/IP only
- Batch and CICS support for CSAs

Distributed Databases Supported Include:

- SQL Server
- Oracle
- Sybase
- ODBC
- JOBC

ViaSQL – Technical Specs:

- **ViaSQL Supports:**
  - ADABAS
  - VSAM
  - CA IDMS
  - CA Datacom
  - IMS
  - DL/I
  - DB2
  - Sequential Datasets

The ViaSQL Hub Server Supports:

- z/OS
- VSE
- CICS
- Started Task

Partners