

# Mainframe Performance Solutions from DataKinetics

## Highlights

Three of the four largest credit card companies in the world use tableBASE in their transaction processing.

tableBASE in-memory calls can run from 10 to 100 times faster than your current DB2 calls.

tableBASE table access is three to four times faster than optimized CICS Datatables access.

Today, tableBASE helps mainframes perform 40 billion data accesses per hour— and that's just one client.

If your typical transactions include five accesses— four reads and a write, tableBASE can offer you a 60% performance improvement.

## Mainframe performance problems?

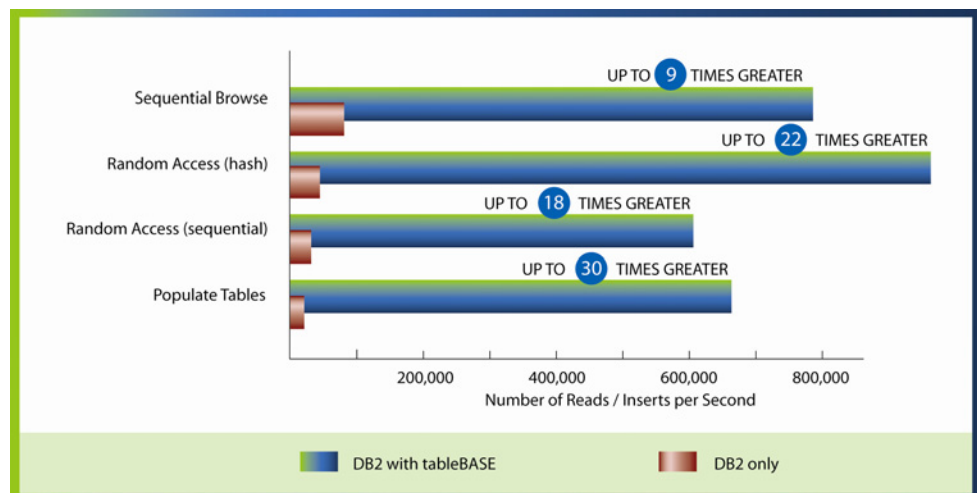
Large organizations that regularly churn data at rates of 10,000 MIPS and more have faced the reality that their mainframe systems are here to stay for some time— five years; probably ten. For these organizations, there is just no alternative technology that can handle the throughput. In fact, many organizations are continuing to rebuild and extend their mainframe applications, and in some cases, even creating new ones.

When you're at the point where you must once again consider hardware and software upgrades, or upgrades to your applications, you should determine if there is cost-effective way to control the spending—or even if there is a solution that could reduce costs and increase your mainframe performance.

## The solution: DataKinetics tableBASE®

tableBASE is a proven and powerful in-memory data-management application for enhancing online transaction processing environments, batch applications, and DB2 stored procedures running on IBM-compatible mainframes.

With tableBASE, you can improve mainframe performance in almost any environment. The figure below shows the difference between different types of DB2 search operations and the same operations using tableBASE to bolster DB2 performance.



### Performance improvements realized using tableBASE\*

In many cases, the performance improvement is even more pronounced. Use tableBASE to run your transactions more efficiently, at memory speed—significantly increasing the performance of your transaction-processing environment.

\* (Data derived from tests conducted by IBM at the IBM zSeries Benchmark Center in Poughkeepsie, NY.)

## Highlights

Saves on CPU cycles, memory usage and system cache usage.

Tailored for both the IMS and CICS online environments.

Update data in the background, and then switch it to your production environment without interrupting ongoing transactions.

Virtually eliminate load-time for your production data.

Edit your data in memory, in real time, without DASD access.

DataKinetics provides consulting services to help determine needs, provide training, and help with upgrades and installations.

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## Share table data

You can share your table data between regions. Normally, each region uses memory space to load its own version of a table; now with tableBASE VTS, a single shared table is accessed by all regions, reducing memory resource usage, I/O usage and CPU usage, and dramatically reducing the time needed for table loading.

## Manage shared tables

The tableBASE Process Manager product allows you to manage shared tables. Table data can be updated in the background, and then switched live in real time, without the need for halting ongoing transactions. Sysplex operation is supported.

## CICS and IMS/TM interfaces

The tableBASE core product comes with a full-function batch interface. Also available are an IMS/TM interface—providing compatibility for increased-throughput IMS online applications, and a CICS interface—providing compatibility for CPU-cycle and I/O-operation efficient CICS online applications.

## Direct access to table data

The tablesONLINE products allow you to directly manipulate your table data in memory, in real time, while in your production environment.

## The DataKinetics tableBASE advantage...

Organizations like yours, with investments in mainframe infrastructure, will continue to invest—in applications upgrades and extensions, in extending usage of mainframe data to the web or intranet, in ways to manage a continuing growth in transaction load.

A Data Kinetics tableBASE solution will reduce your costs, and increase your mainframe performance. ROI can be achieved within a calendar year, and benefits will be realized every year going forward—an advantage that you owe to yourself to investigate.

## About DataKinetics

DataKinetics®, the leader in critical information systems optimization, enables data centers within IBM zSeries Mainframe (z/OS) environments to achieve superior performance gains, capacity, and scale using existing applications and hardware. DataKinetics delivers distinct competitive advantage to global Fortune 500 companies to keep them a step ahead of the competition. For 30 years DataKinetics products have been enhancing hundreds of thousands of mission-critical transactions per second every day for banking, insurance, credit card, brokerage house, and retail industries—without fail. Visit [www.dkl.com](http://www.dkl.com) for more information.

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