GIGASPACES

HOW TO PERFECT YOUR LEGACY STRATEGY

SCALE. AGILITY. OPTIMIZED TCO

As businesses embark on digital transformation initiatives and continue to modernize their business operations, requirements are growing for enhancing workflow performance to better customer experience and to reduce costly operations. This is where new technologies can help accelerate innovation and optimize TCO.

GigaSpaces provides a solution for consuming legacy data and processes as digital assets in a modern, robust and secure in-memory application grid. You can scale data usage easily without relying on stale information or hard-to-manage data lakes while seamlessly connecting your mainframe to innovation.

- Dramatically lower TCO by up to 80% via reducing MIPS consumption with low-latency in-memory access to your data from any data store

- Modernize legacy stacks with elastic scale and microservices to accelerate time to market by 10X, and seamlessly handle peak loads

- Reduce the risk and simplify legacy to cloud migrations

GigaSpaces' enterprise software platform scales out stateful applications in high-performance and low-latency environments. It is designed to support high-throughput transactional applications unified with fast data analytics and machine learning. This combination powers instant insights on streaming, transactional and historical data with the ability to immediately leverage those insights within your applications and processes.

UP TO 100X FASTER RESPONSE TIME

UP TO 80% COST REDUCTION

10X FASTER TIME TO MARKET

"For many organizations, the core systems have been around for a long time, but fit and value — as well as technology fitness — deteriorate. At the same time, cost and risk are growing. This new demand for digital application services is forcing core systems to provide services they were not designed for, and at a higher pace of change"

Gartner
Choose the Right Approach to Modernize Your Legacy Systems

Morgan Stanley   BlueCross BlueShield   CSX   UBS   SITA   BNP PARIBAS

SOCIETE GENERALE   Goldman Sachs   Schneider Electric   charles SCHWAB   AVANZA BANK   Daiwa Capital Markets   SIG SUSQUEHANNA

Bank of America   CRÉDIT AGRICOLE   AVAYA   Deutsche Bank   FREQUENTIS   BANK OF CHINA

HOW TO PERFECT YOUR LEGACY STRATEGY WITH GIGASPACES

The following architecture diagram demonstrates how to:

1 Continuously integrate and capture the data from a Mainframe (DB2/VSAM) to GigaSpaces InsightEdge, a front end scalable & distributed data fabric

2 Unifying extreme transaction processing and fast analytics for business intelligence and digital applications with minimal latency

3 Automation of microservice-based APIs with modern SDKs triggering legacy COBOL or CICS applications
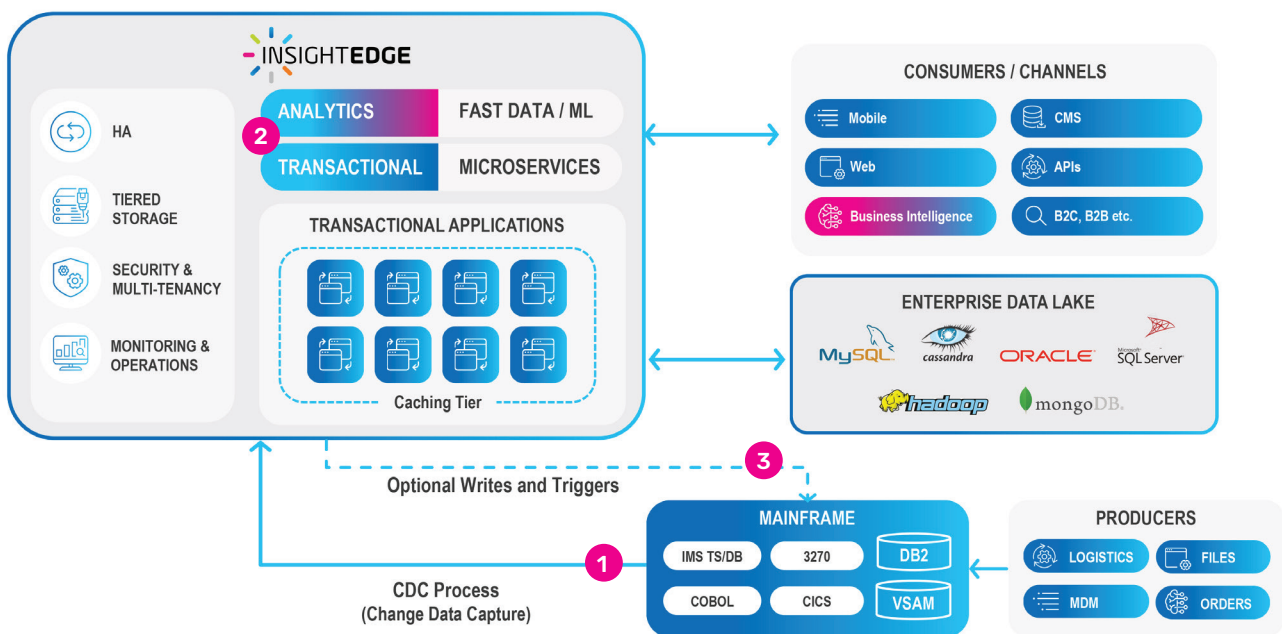

Figure 1: Architecture for modernizing legacy systems, with the ability to directly access all data components

REDUCE MIPS COSTS DRAMATICALLY

Today, mainframes are handling 87% of credit card transactions and 71% of the Fortune 500 companies are still using mainframes for their mission-critical applications. MIPS consumption is growing on a yearly basis due to higher demands, more users, regulations and new applications which rely on data within the mainframe.

The costs associated with maintaining and updating mainframes and can range from $100- $300M, according to Financial News.

How can you reduce your Mainframe costs?

GigaSpaces is not just a smart caching tier. It is a low-latency in-memory data fabric that continuously captures the mainframe data and significantly reduces MIPS consumption. This is done by shifting compute intensive workloads from the mainframe to run on GigaSpaces, while maintaining the original business logic.

MODERNIZE LEGACY STACKS

The agility to develop and deploy new products and offerings rapidly, reacting quickly and even being proactive in the market, is key for your enterprise to maintain a competitive advantage in today's market arena.

How can your legacy-based enterprise achieve the required agility?

With GigaSpaces, you can seamlessly innovate your legacy infrastructure with microservices-based APIs, event-driven fast analytics, Spark and BI. Your legacy data and processes can easily be consumed as digital assets on a low-latency, high performance application fabric which abstracts and simplifies the access to the data unifying your API and data strategies. Applications can scale indefinitely without increasing complexity.

You enjoy transparent communication between the GigaSpaces in-memory application fabric and virtually any type of back-end application or database system, supporting multi-cloud and hybrid-cloud deployments.

MOVE TO THE CLOUD WITH CONFIDENCE

If you are looking to the cloud for greater agility, scalability and cost-effectiveness, how can you optimally achieve migrating your legacy systems without the associated costs and risks?

Can you migrate legacy systems to the cloud in a gradual, data-led, and granular approach?

GigaSpaces powers the consumption of legacy data and processes as cloud-based digital assets, in stages that meet your business needs. With this continuous modernization approach, you can start without making any changes (keeping the same interfaces) and then gradually migrate data and processes, based on business priorities.

Continuous innovation while migrating to cloud, multicloud and hybrid environments

Data-first, granular migration approach

Low-risk, highly flexible approach, resilient to priority changes

CASE STUDY

Scalable Backbone for Credit Services
A Top 3 US & Multinational Bank Saves Over $20 Million a Year

Business Challenge

- Provide an always-on credit that is easy to use and access with low-latency response times for a superb customer experience from any device

- Reduce queries from mainframe, to lower TCO

- Be more agile to deliver new applications

Technical Challenge

- Millisecond business requirements

- Mission critical availability

- Elastic scalability

- Serving multiple applications

Results

- 35+ Million customers access service per day from any device

- 640 million transactions per day, burstable up to 1 billion transactions per day.

- Millisecond response for excellent customer experience

- Reduction of queries to their mainframe, reducing MIPS usage and costs by over $20M a year

- No Downtime

$20 MILLION COST REDUCTION

MILLISECOND RESPONSE

NO DOWNTIME

ABOUT GIGASPACES

GigaSpaces provides the fastest big data analytics processing platform to run services and machine learning models in production at scale. The in-memory software platform helps enterprises seamlessly introduce new applications that need to ingest, process and analyze huge amounts of data at extreme speeds, across any environment.

Hundreds of Tier-1 and Fortune-listed organizations worldwide across financial services, retail, transportation, telecom, healthcare, and more trust GigaSpaces for real-time decision making on streaming, transactional and historical data.

GigaSpaces offices are located in the US, Europe and Israel serving customers such as Morgan Stanley, Bank of America, CSX, Blue Cross Blue Shield, Bank of China, Daiwa Capital, Goldman Sachs, Société Générale, Crédit Agricole, Avanza Bank, SITA, Charles Schwab, Avaya, Deutsche Bank, Frequentis, UBS and more.

More at www.gigaspaces.com and www.gigaspaces.com/blog/

ABOUT OPENLEGACY

OpenLegacy accelerates delivery of innovative digital services from legacy systems in days or weeks versus months. Our microservices-based API integration and management software reduces manual effort by automating API creation, simplifies the process by avoiding layers of complexity, and improves staff efficiency and API performance. Our software directly accesses and extends business logic to web, mobile or cloud innovations in the form of Java objects, REST APIs or SOAP. Most importantly, this process is not only fast, easy and secure, but also does not require special staff skills or changes to existing systems or architecture. Together, business and IT teams can quickly, easily and securely meet consumer, partner or employee demands for digital services without altering or replacing core systems. Learn why leading companies choose OpenLegacy at www.openlegacy.com.