



INTERSYSTEMS
SUCCESS STORIES

European Space Agency: Big Data



The European Space Agency uses InterSystems Data Platform with large amounts of satellite data on a billion stars.

Challenge:

To chart a three-dimensional map of the Milky Way, collecting data on a billion stars.

Outcome:

- One million gigabytes of data handled
- One billion celestial objects viewed
- Ten sweeps of the galaxy
- The application ingests and stores five billion discreet Java objects
- Running on one 8-core Intel 64-bit processor
- Scientists are able to learn about origin, structure, and the evolution history of our galaxy
- Processing of over 40 million observations a day



<https://www.intersystems.com/de/resources/detail/crunching-data-to-map-the-milky-way>

Belgian Police Force: Relies on Caché to Coordinate Activities



Caché was chosen because it provided the best combination of quality, reliability, performance, and price.

Challenge:

The federal police were tasked with creating a single computing hardware and software architecture that they, and agents in all 195 of Belgium's local police zones, would share.

Outcome:

- Caché provided the best combination of quality, reliability, performance, and price
- Migrate data, metadata, and stored procedures easily from Informix and Sybase
- 99% of the more than 2,700 stored procedures were converted automatically
- Combination of Caché on Intel-based hardware running Red Hat Linux proves to be exceptionally reliable and fast



<https://www.intersystems.com/de/resources/detail/40000-belgian-police-rely-on-caché-to-coordinate-activities/>

CFAO: a Single View of the Customer



A logistics company valued at €4.2 billion based in France that does business in 36 African countries and seven French overseas territories.

Challenge:

The company had to address multiple data management challenges spanning interoperability, customer experience, e-commerce, and supporting physical shopping malls.

Outcome:

- Unified commerce
- Improved customer satisfaction by providing a single view of the customer
- New revenue channels created from data intelligence
- Interoperability of existing applications and systems
- IT has become a key strategic contributor to the company's success



<https://www.intersystems.com/de/resources/detail/digital-transformation-cfao-improves-customer-satisfaction-creates-new-revenue-channels>

COMTRIX GmbH: Optimized EDI Platform



Automating data sharing to accelerate processing and reduce error rates.

Challenge:

Establishing an EDI platform for automatically processing an average of 30,000 incoming and outgoing messages per week.

Outcome:

- Fashionet and DTL have adopted InterSystems Ensemble® as their messaging engine
- The registration, management, and archiving of all messages takes place exclusively via the new platform. Automation has significantly reduced the error rate



<https://www.intersystems.com/isc-resources/resource/fashionet-and-dtl-automate-data-sharing-using-intersystems-data-platform-solutions/>

Mediterranean Shipping Company: High Volume Processing



MSC is the second-largest container shipping company in the world.

It annually transports more than 12 million containers that have to be loaded and cleared in more than 270 ports.

Challenge:

To process more than 300,000 electronic transactions a day in real time for customers to see the current status of their freight.

Outcome:

- Fast development time
- Ability for interoperability of different providers and agencies
- Processing of over 300,000 transactions a day in real time
- Point of action analytics dashboard

LIB-IT DMS: Sharding Empowers Scalability



LIB-IT DMS upgrades flagship product to potentially handle petabytes of data.

Challenge:

Future-proof an application to meet anticipated scalability needs.

Outcome:

- Migration of FILERO® enterprise information management system to InterSystems IRIS
- Initial work to take advantage of sharding indicates that FILERO will be able to handle terabytes, and even petabytes, of data



<https://www.intersystems.com/de/resources/detail/only-intersystems-data-platform-was-able-to-process-the-high-data-volumes-in-real-time/>



<https://www.intersystems.com/de/resources/detail/lib-it-dms-upgrades-flagship-product-to-potentially-handle-petabytes-of-data>

RIQI (Rhode Island Quality Institute): Real-time Clinical Alerts



Clinical alerts for family and friends improve transitions of care and enhance patient engagement.

Challenge:

Extend clinical alerts to the third leg of the patient care triad – family and friends – to improve outcomes, patient and family satisfaction, and save lives.

Outcome:

- Using InterSystems HealthShare, as soon as relevant admission, discharge, or transfer information is entered into any electronic medical record in any hospital throughout Rhode Island, the system alerts the patient’s designees
- Designees experience less confusion around transitions of care, and can intervene if it is necessary

Premera Blue Cross: a Regional Health Information Exchange



Combining claims and clinical data to improve care and business performance.

Challenge:

Find innovative ways to improve care and reduce costs by combining claims and a patient’s real-time clinical data from multiple sources.

Outcome:

- Real-time insight into members’ care, shared with providers
- A richer care experience by closing gaps in care
- Proper coding of high-risk members’ conditions for appropriate reimbursements



<https://www.intersystems.com/de/resources/detail/clinical-alerts-for-family-and-friends-improve-transitions-of-care-and-enhance-patient-engagement/>



<https://www.intersystems.com/de/resources/detail/premera-blue-cross-combines-claims-and-clinical-data-to-improve-care-and-business-performance/>

Global Sell-side Investment Bank: Disparate Data



50,000 employees – \$1 trillion assets under management.

Challenge:

A globally distributed system had to be designed to accommodate billions of daily orders with sufficient headroom to handle unexpected spikes in orders during periods of market volatility, while concurrently servicing analytic queries from 250 applications across the organization.

Outcome:

- 3-5x increase in throughput
- 10x increase in ingest performance
- 75% reduction in operation costs
- Concurrently servicing analytic queries from 250 applications across the organization
- Zero performance or reliability issues since deployment in 2008

MFS Investment Management: Real-time Compliance



\$410 billion in assets for retail and institutional clients globally.

Challenge:

An integrated, technology-based solution required to generate and process global portfolio models for the investment and operational teams.

Outcome:

- Providing immediate feedback during decision-making prior to trade execution to ensure minimal operational risk
- In-memory database advantage
- Integrates within existing applications for a fast time-to-market
- Meets changing and growing regulatory requirements



<https://www.intersystems.com/de/resources/detail/global-investment-bank-speeds-equity-trading-system-intersystems-data-platform/>



<https://www.intersystems.com/resources/detail/mfs-investment-management-success-story/>

Eventsforce: Leveraging the Cloud



An application that scales up
– and down – as needed.

Challenge:

Event planning application needed to satisfy customers' widely varying and unpredictable usage patterns.

Outcome:

- Flexible scaling with capacity to be continuously adjusted as workloads change or demand increases
- Meets requirements for consistent innovation and capabilities
- Rapid deployment of upgrades
- Operating costs controlled with cloud deployment



<https://www.intersystems.com/de/resources/detail/eventsforce-uses-intersystems-cache-cloud-cost-effectively-satisfy-fluctuating-demand>

WS Trends: Smart Energy Management



Hybrid model – deploying on public
clouds but retaining critical data in on-
premises servers.

Challenge:

Adhering to regulations stating that energy must come from renewable sources. Technical challenges of integrating green energy into the overall energy distribution center, required an application to even out the level of power a plant provides.

Outcome:

- Real-time dashboards and alerts help energy consumers avoid monetary penalties
- Processes data from over one million smart meters
- Integrated with other IT systems providing extra value for customers
- AI allows for alerts for irregular, sudden, or unexpected situations in the energy distribution network
- Speed of deployment



<https://www.intersystems.com/de/resources/detail/ws-trends-builds-smart-energy-management-system-intersystems-technology/>



INTERSYSTEMS EARNS GARTNER PEER INSIGHTS CUSTOMERS' CHOICE RECOGNITION FOR 2019

**YOU CAN EXPECT MORE FROM US.
JUST ASK OUR CUSTOMERS.**

Gartner's Peer Insights is a platform of vendor ratings and reviews. This year, InterSystems was selected as one of only seven companies to earn a 2019 Gartner Peer Insights Customers' Choice recognition for high customer scores in the Operational Database Management Systems category.

In fact, we topped all the companies on the 2019 Gartner Magic Quadrant for Operational Database Management Solutions - with a score of **4.7 / 5.0** as of February 4, 2019.

Gartner analyzes more than 100,000 reviews across more than 300 markets posted to Gartner Peer Insights. These reviews are based on direct experience in purchasing, implementing, and operating a solution.

"LEADING EDGE SOFTWARE TECHNOLOGY THAT DELIVERS A ROCK-SOLID APPLICATION PLATFORM BACKED UP BY SOME OF THE BEST TECHNICAL SUPPORT IN THE INDUSTRY."

"EXPECT MORE THAN YOU ARE USED TO GETTING FROM OTHER COMPETING PRODUCTS."

"FAST, EFFICIENT, AND RELIABLE."

"PROFESSIONAL AND CUSTOMER-ORIENTED."

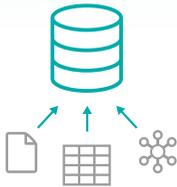
"FANTASTIC CUSTOMER SUPPORT."



InterSystems™

IRIS Data Platform

A complete data platform for combining high-performance database management, interoperability and analytics enabling the rapid development and deployment of data-rich, mission-critical applications.



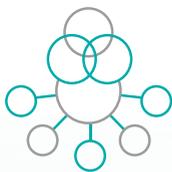
Data management

Simultaneously processes both transactional and analytic workloads in a single database at very high scale, eliminating latencies between event, insight, and action, and reducing the complexities associated with maintaining multiple databases.



Analytics

Ability to analyze real-time and batch data simultaneously at scale, including business intelligence, predictive analytics, distributed big data processing, real-time analytics, and machine learning, as well as providing natural language processing capabilities.



Interoperability

Application integration, data coordination, business process orchestration, composite application development, API management, and real-time monitoring and alerting capabilities.



Cloud deployment

Automated “cloud-first” deployment options simplify public cloud, private cloud, on-premises, and virtual machine deployments and updates.

IRIS Data Platform Benefits

Complete unified platform

All of the critical capabilities for building important, data-intensive applications are provided in a highly reliable unified platform spanning data management, interoperability, transaction processing, and analytics.

Concurrent transactional-analytic processing

Our ultra-high-performance database engine enables real-time transactional-analytic applications that eliminate latencies and deliver immediate insights and actions from transactional and contextual data.

Efficiency

InterSystems IRIS applications require less code, fewer system resources, do not require integrating multiple technologies, and require less maintenance.

Openness

InterSystems IRIS integrates seamlessly into existing infrastructures and with best-of-breed technologies to support the widest range of customer environments and application requirements.

Scalability

InterSystems IRIS seamlessly scales both vertically and horizontally to efficiently accommodate increasing workloads, data sizes, and user concurrency.

Flexible deployment

Deploy solutions in the cloud (via SaaS or by hosting), on-premises, or in hybrid architectures.

InterSystems support

Our worldwide, world-class, and 24/7 support teams consistently go “above and beyond” to ensure customers’ success.

Design principle

InterSystems IRIS Data Platform fully embodies our IRIS design principle – Intuitive, Reliable, Interoperable, and Scalable.



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