HCL Informix® Use Case Selection Guide

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The Application Use Cases Ebook

HCL Informix® delivers fast, reliable, and scalable transactions that drive mission-critical operations for small businesses and enterprises, reducing friction and increasing business productivity. HCL Informix helps data-driven organizations meet the needs of their most demanding application use cases from the edge, to on-premises, cloud and hybrid environments. Thousands of forward-thinking organizations around the globe trust the Informix brand to help them solve their toughest data challenges and transform how they power their businesses with data.

This ebook is designed for developers, database administrators, and application product leaders looking to use HCL Informix to address a wide range of powerful business use cases, or modernize their existing ones. The examples featured in this paper are taken from real-world customer experiences to serve as a guide for understanding what is possible with HCL Informix.

More detailed implementation guidance is available from Actian sales and technical teams. Please **contact us** to learn more or visit **www.actian.com**.

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Financial Accounting

Nearly **40% of CFOs** do not completely trust their organization's financial data.

BlackLine, "Beyond the Unexpected: Mastering Business Resilience in an Era of Uncertainty."

Challenge

Every organization faces the onerous task of ensuring the accuracy and integrity of financial records for taxation and investor reporting. Businesses need to keep track of all transactions so profit, loss, and payroll are accurately reported.

Why HCL Informix

HCL Informix is capable of handling millions of financial transactions per second, seamlessly integrating SQL and NoSQL data types. It employs ACID properties, cascade operations, and foreign keys to maintain transactional integrity and consistency, safeguarding data relationships and preventing errors.

Benefit

HCL Informix enables efficient business operations and regulatory compliance by keeping a consistent log of transactions. In case of an audit from investors or tax authorities, the database provides a reliable and time-bound record to support business practices.

Supporting Capabilities

- 2+ million transactions/ second
- Data integration
- ACID properties
- Cascade operations
- Foreign keys

Application Ecosystem

- Point of sale (POS) systems
- Online stores
- Accounts payable
- Payroll systems
- Taxation reporting software

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Financial Controlling

Today, **80% of business leaders say data is critical in decision-making** at their organization and **73% agree that data helps reduce uncertainty** and make more accurate decisions in business conversations.

Salesforce, "Untapped Data Research."

Challenge

Many organizations struggle with effective financial performance monitoring and analysis. This includes challenges in budget creation and allocation, tracking key performance indicators (KPIs), addressing spending variances, and mitigating financial risks to safeguard the company from adverse events and external factors.

Why HCL Informix

HCL Informix addresses financial control challenges by providing a unified, reliable ledger of all business transactions, regardless of volume. With strong data integration, real-time processing, and automated workflows, financial controllers can streamline financial data management to make better, more informed decisions.

Benefit

HCL Informix enhances the accuracy and efficiency of financial reporting and controlling, fostering greater trust in data and decisions while reducing manual effort. This increased trust and efficiency lead to improved resource management, timely detection and resolution of financial discrepancies, and overall enhanced financial performance.
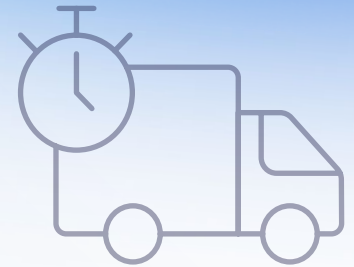
Supporting Capabilities

- High-performance transactional processing
- Automated data management
- Informix Warehouse Accelerator
- Multi-model native
- REST API

Application Ecosystem

- Enterprise resource planning
- Business intelligence tools
- Accounting software

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Retail & Supply Chain Management

44 % of supply chain leaders reported major challenges arising from their supply chain footprint that required them to make changes during the year.

McKinsey, "Tech and regionalization bolster supply chains, but complacency looms."

Challenge

Rapid changes in product supply and demand make it difficult to understand how much product to make or keep on hand at any point in time. Additionally, external factors such as weather, global health crises, and natural disasters can create sudden shifts in the supply chain that can be difficult to manage.

Why HCL Informix

With its lightweight footprint, HCL Informix is easy to deploy at every stage of the supply chain, from the manufacturer to the point of sale. It supports multiple data types, including geospatial data for location tracking, JSON files for photo proof of delivery, and in-store customer transactions. HCL Informix effectively unfies diverse needs across the entire supply chain.

Benefit

Managing inventory with HCL Informix empowers organizations to quickly adapt during times of crisis or ensure that they're maximizing revenue by staying on top of the latest consumer trends and mitigating supply chain disruptions.

Supporting Capabilities

- High-performance transactional processing
- Lightweight footprint
- Multi-model native
- Automated data management

Application Ecosystem

- Point of sale (POS) systems
- Online stores
- Supplier and customer relationship management (CRM)
- Warehouse management systems
- Order processing and tracking
- Smart sensors
- Accounts payable
- Taxation reporting software

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Quality Management

Companies that effectively implement quality management practices experience an average of **9% increase in sales** and a **26% increase in profitability**.

Forbes, "The Rising Economic Power of Quality."

Challenge

Quality management systems must quickly identify and remove defective items from production lines before shipment. These systems rely on precise business rules and automation, incorporating multiple factors such as photos, weight, and heat to detect defects within seconds.

Why HCL Informix

HCL Informix processes over 2 million transactions per second, supporting diverse data types such as JSON for photos and time series data for temperature analysis. Its lightweight design is ideal for edge deployment in factories, where smart triggers with defined business rules enable rapid product quality decisions.

Benefit

HCL Informix-powered quality management systems enhance operational efficiency, ensure regulatory compliance, boost customer satisfaction, and drive continuous improvement, ultimately leading to increased profitability and a stronger market position.

Supporting Capabilities

- High-performance transactional processing
- Multi-model native
- Smart triggers
- Lightweight footprint

Application Ecosystem

- Smart sensors
- Scanners
- REST API
- Connection Manager in Kubernetes

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Factory Maintenance

86% of manufacturing executives believe that smart factory solutions will be the **primary drivers of competitiveness** in the next five years.

Deloitte, "2024 manufacturing industry outlook."

Challenge

Factories rely on complex machinery and equipment to reach optimal productivity. Regular maintenance is crucial to prevent unexpected breakdowns, minimize downtime, and ensure optimal production.

Supporting Capabilities

- High-performance transactional processing
- Lightweight footprint
- Multi-model native
- Smart triggers

Why HCL Informix

HCL Informix helps organizations manage preventive maintenance scheduling by integrating sensors with machine equipment to measure temperature, vibration, and run-time data. When equipment performance deviates from the normal range, HCL Informix triggers alerts for equipment inspection and replacement.

Application Ecosystem

- Smart sensors
- Enterprise Resource Planning (ERP) systems

Benefit

HCL Informix streamlines monitoring at the edge, ensuring precise equipment tracking and maintenance detection. Now, manufacturers can better manage maintenance and resourcing across systems, reducing downtime and promoting cost-effective upkeep.

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Gaming & Gambling

Gambling revenue is expected to show an annual growth rate (CAGR 2024-2029) of 6.47%, resulting in a **projected market volume of US$132.90bn by 2029**.

Deloitte, "2024 manufacturing industry outlook."

Challenge

Online gaming and gambling operators must handle millions of transactions, particularly during peak events like races and tournaments. To ensure an accurate ledger of these transactions, the solution must efficiently manage high volumes of data while maintaining performance and accuracy.

Why HCL Informix

In the expanding gaming and gambling industries, data volume and distribution can be unpredictable. HCL Informix addresses these rapidly changing needs with dynamic scalability in both on-premises and cloud container environments, seamlessly processing millions of transactions per second while maintaining full data integrity.

Benefit

Online gaming and gambling platforms can rely on HCL Informix to meet their demands 24/7 with complete availability. With zero application downtime, operators can maximize revenue by promoting spur of the moment tournaments or challenges, while customers enjoy uninterrupted fun.

Supporting Capabilities

- 2+ million transactions/second
- High concurrency
- High availability
- On-demand scalability
- Informix Warehouse Accelerator

Application Ecosystem

- Authentication services
- Leaderboards
- Content management systems
- Analytics tools
- Cloud container deployments
- Hybrid deployments

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About Actian

Actian makes data easy. We deliver cloud, hybrid cloud, and on-premises data solutions that simplify how people connect, manage, and analyze data. We transform business by enabling customers to make confident, data-driven decisions that accelerate their organization's growth. Our data platform integrates seamlessly, performs reliably, and delivers at industry-leading speeds. Learn more about Actian, a division of HCLSoftware: **www.actian.com**

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