Semarchy

Groupe BPCE

Modernizing data integration and streamlining workflows with Semarchy xDI

BPCE SOLUTIONS INFORMATIQUES

Groupe BPCE, the fourth-largest banking group in France and one of the largest financial institutions in Europe, serves millions of customers through an expansive network of retail banks, insurance services, and investment products. With over 100,000 employees and operations in more than 50 countries, BPCE required a robust, modern data infrastructure to keep pace with digital innovation and support regulatory compliance across a decentralized banking environment.

Historically reliant on legacy ETL tools like Oracle Data Integrator (ODI) and OTIC, BPCE began to encounter growing limitations: rigid development processes, inefficient deployment cycles, and maintenance-heavy custom code. These constraints hindered the agility and scalability needed to modernize their enterprise systems.

To meet these challenges, BPCE launched a transformation initiative to centralize and modernize its data integration processes using Semarchy xDI, part of the broader Semarchy Data Platform. The group's IT division, BPCE SI, selected xDI for its native support of CI/CD pipelines, modular architecture, and ease of use for both legacy ETL developers and modern DevOps teams.

Challenges

As BPCE SI worked to modernize infrastructure across both Banque Populaire and Caisse d'Épargne networks, outdated integration tools became a bottleneck.

Key challenges included:

- **Heavy Technical Debt:** Legacy code in ODI and OTIC was complex to maintain and slow to adapt to changing business needs.

- **Inefficient Development Workflows:** Lack of integration with DevOps and CI/CD pipelines led to time-consuming manual deployments and error-prone handovers.

- **Fragmented Tooling:** Disparate practices across banking subsidiaries resulted in redundant effort and inconsistent standards.

- **Developer Experience Constraints:** Steep learning curves, limited automation, and outdated UIs slowed onboarding and innovation.

Business Drivers

Facing increasing pressure to modernize, BPCE SI defined a clear set of goals for its integration refresh:

- **Standardize Enterprise Data Integration:** Migrate ETL pipelines from ODI and OTIC to a unified platform for consistency and governance.

- **Accelerate Delivery with CI/CD:** Automate testing, packaging, and deployment through GitLab pipelines, Jenkins integrations, and more.

- **Reduce Maintenance Overhead:** Replace legacy code with modular, low-maintenance flows.

- **Enable Developer Agility:** Improve productivity and user experience for integration teams across entities. Become more attractive to young developers in employment recruitment with a more modern data stack.

> "The deployment of the platform now opens the way to new use cases, particularly in line with the move to cloud strategy initiated by the BPCE group. A first pilot is planned for 2023 in this new ecosystem. This will allow us to reach a different population of developers, profiles accustomed to working with Hadoop environments."

Arnauld Castex
Director of the Databases
& Solutions Domain at BPCE SI

Automated DevOps workflows

with CI/CD pipeline integration across GitLab, Jenkins, and more

Accelerated migration from legacy ETL tools

with standardized development patterns and reusable templates

Increased cross-sell and up-sell opportunities

with intuitive tooling and modular integration flows

BPCE SI chose Semarchy xDI as the cornerstone of its modern data integration strategy. The group began a phased migration from ODI (Caisse d'Épargne) and OTIC (Banque Populaire) to xDI, driven by the platform's flexibility, development speed, and compatibility with their DevOps tools.

Key solution components and benefits included:

- **Rapid Migration from ODI and OTIC:** Pre-built connectors and reusable patterns enabled faster replatforming without rewriting core logic.

- **CI/CD Automation:** xDI's native integration with DevOps tools (Git, Jenkins, XL Release, etc.) empowered teams to build, test, and deploy jobs within automated pipelines.

- **Unified Development Standards:** Centralized templates, metadata reuse, and flow modularity improved quality and governance across teams.

- **Improved Developer Experience:** BPCE SI teams noted easier onboarding, quicker builds, and stronger collaboration using the xDI visual interface and scripting tools.

- **Scalability Across Entities:** From small jobs to complex enterprise workflows, xDI handled diverse workloads with reduced complexity and runtime efficiency.

Award & Reviews

It's not what we say about Semarchy xDM and xDI that matters. It's the recognition of our industry and the success of our customers — from business leaders to data teams — that confirms our value

Q1 and Q4 2021
Gartner Magic Quadrant for
Master Data Management
Solutions

The Forrester Wave™:
Master Data Management
Solutions, Q4 2021

2020 Gartner Peer Insights
Customer Choice in
Master Data Management

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