

Groupe BPCE

Modernizing data integration and streamlining workflows with Semarchy xDI

Financial Services | Worldwide

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As BPCE SI worked to modernize infrastructure across both Banque Populaire and Caisse d'Épargne networks, outdated integration tools became a bottleneck.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- **Developer Experience Constraints:** Steep learning curves, limited automation, and outdated UIs slowed onboarding and innovation.

"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."

Arnaud 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

Reduced technical debt and improved developer efficiency

with intuitive tooling and modular integration flows

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.

Solutions

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.

Semarchy transforms enterprise data into actionable insights for smarter decisions, faster growth, and measurable outcomes. Our unified data platform simplifies discovering, governing, integrating, and visualizing critical information across applications, enabling businesses to modernize workflows, accelerate AI initiatives, and achieve data-driven success.

Founded in 2011 by passionate data experts, Semarchy supports over 400 clients worldwide, including Fortune 500 leaders, with headquarters in Arizona and global offices in France, the UK, and India. Available on-premises or through major cloud marketplaces like Amazon Web Services (AWS), Microsoft Azure, and Google Cloud Platform (GCP), Semarchy delivers scalable, adaptive solutions with proven ROI in as little as 12 weeks.