

CIBTP AUTOMATES AND SECURES ITS MULTI-PLATFORM DEPLOYMENTS USING DROPS



The customer

In July 2017, the CIBTP Group initiated the Sirius programme, with the goal of developing a single, dedicated information system for CIBTP agencies whose role is to ensure pension scheme management and payment of paid leave for employees in the construction industry.

The CIBTP Group is a national operation run by entrepreneurs serving 220,000 companies and craftsmen and 1.4 million employees in the construction industry. Currently the network comprises thirteen agencies throughout France.

The IT team responsible for the Sirius programme consists of 90 members distributed across 4 sites (Lyon, Nantes, Bordeaux and Paris).

Context

The goal of the Siris programme is to modernize and migrate all CIBTP agencies into a common, secured information system, managed centrally in order to share costs and standardize working practices across the group.

The target architecture consists of:

- A core business application accessible remotely via a Java/Linux/Tomcat Web client

- An Extranet application accessible via a Web client C#/Windows/IIS
- Other peripheral applications including an EDM/ADL and an infocenter involving SSIS, DAX, Power BI, etc.

Business data is managed in a DB2 database hosted on IBM i. Other data is managed using SQL Server.

The business application was developed using the Adelia Cloud Studio tool from Hardis.

To be able to offer enhanced services to users, a driving objective of the project was to refocus the information system around functional requirements rather than technical constraints.

A primary goal was to drastically reduce the time elapsed between development of a feature and its availability for the end user. To accelerate the delivery of enhancements and corrections to the application, the team needed to automate both their delivery and validation processes.

The solution

While seeking to maximize automation in application deployment, the CIBTP team faced the challenge of their disparate mix of development and operating platforms. Given the wide range of technologies used, it became a priority to select a multi-platform Release Automation solution able to deploy heterogenous application components in a synchronous manner.



Automated: To perform rapid deployments and meet the demands of the business, the CIBTP team needed to drastically reduce the time between development of a feature and its provision to the end user. Maximal automation was therefore a key factor in its choice of a new solution.

Secure: Given the critical nature of the CIBTP application and the potential costs of downtime, it was vital to eliminate any risk from hasty changes made by the developers at production level. The release automation solution chosen must be able to 'rollback' the application to a previous stable version in case of an incident.

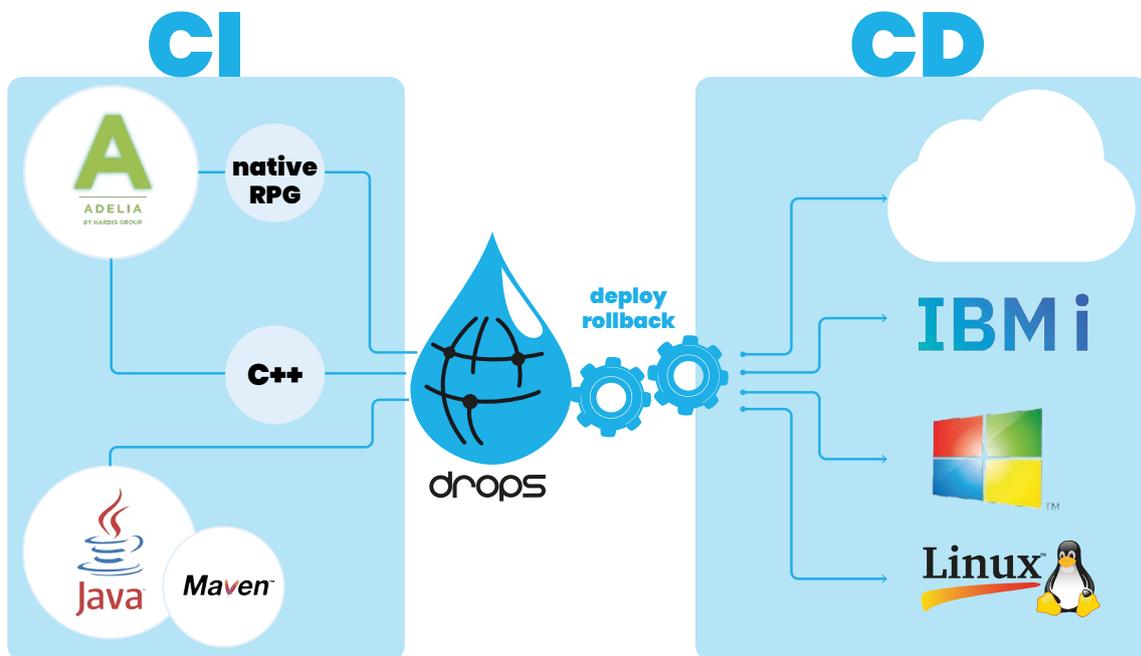
Multi-platform: To handle the mix of platforms in use, CIBTP needed a solution able to automate the deployment of multi-technology artifacts using a single, common tool across all platforms - including IBM i. In addition, to pilot their deployments more easily, they required full real-time visibility over the end-to-end deployment process.

"ARCAD Software is recognized by its peers as an expert in the IBM i world. Its partnership and privileged relationship with IBM helps us guarantee the future and security of our applications at CIBTP."

Caroline ANNEZ de TABOADA, IT Director and SIRIUS Programme Manager at CIBTP

Benefits

- **Unification of heterogeneous systems** into a single Continuous Delivery solution
- **Synchronized deployment** on multiple platform types
- **Full traceability/compliance** of transfers to production
- **Automatic rollback** in case of error
- **Reduced risk** of production downtime
- **Reduced deployment time**
- **Secure database** updates on DB2 for i
- **Management of specific Adelia components** in synchronization with standard artifacts



"I appreciate the value, expertise and reactivity of ARCAD Software. **We have the same mindset:** excellence in addressing the needs of our clients and end users."

Caroline ANNEZ de TABOADA, IT Director and SIRIUS Programme Manager