

Improve performance with ABO



BBVA Francés, a major bank in Argentina, has successfully implemented the Automatic Binary Optimizer (ABO) in a portion of their production programs. These programs have seen performance improvements of 28%.

Implementing ABO: BBVA Francés



IN THE BEGINNING

The bank has applications in several versions of COBOL, 4.2, 3.2 etc. They were evaluating the migration to COBOL V6. They understand that it would be a significant effort for which very comprehensive testing is needed. They wanted their applications to take advantage of their new IBM z13[®] hardware, while defining a good migration plan to COBOL V6.



THE BIG IDEA

To avoid waiting until they could recompile with COBOL V6 and obtain the benefits from the new Z13 hardware, they decided to try ABO.

For the first stage of the ABO test, the bank chose the trial mode where the trial version is installed on premise.

Modules with high CPU consumption were selected. Tests were carried out on 15 modules, delivering an improvement of approx. 15% CPU reduction.



TAKING ACTION

In collaboration with IBM and the client, the plan was defined. To deploy ABO in production, a staged approach was chosen. Approximately 10 modules will be deployed every week until all COBOL modules have been optimized. The following plan was used:

- 10 batch programs that are CPU-intensive will be selected weekly and optimized in the development environment.
- Every Friday night, the optimized programs will be deployed to production.
- Contingency plans were put in place to account for any runtime problems or no measurable CPU savings



RESULT!

The 255 programs optimized with ABO had an average savings of 28%, or approximately 26 CPU hours per month.

This advantage allows the bank to reduce the batch window and use the CPU savings for other jobs.

The message? Using ABO can significantly reduce your CPU usage, helping you deliver improved performance and operational efficiency.