

## INDUSTRY

Financial

## CHALLENGE

Drive digital transformation by bringing the mainframe into its cross-functional Agile/DevOps strategy

## SOLUTION



## RESULTS

- Supports DevOps strategy
- Enables cross-organizational digital transformation
- Makes the mainframe accessible to inexperienced next-generation developers
- Saves costs by increasing quality and productivity of the mainframe workforce and reducing MIPS

# Topaz Helps Drive DevOps, Digital Transformation at International Bank

## BUSINESS CHALLENGE

When a large international bank needed to improve customer engagement, they began by initiating a digital transformation project. Core to success was empowering all 146,000 of its employees, roughly five percent of whom are in IT, with the right tools to drive modernization.

The bank began migrating its mainframe applications to distributed environments, before realizing the process was a futile attempt to bolster digital transformation and that the mainframe was the most reliable, securable and efficient platform for those business-critical applications to run on.

The bank then redirected its focus toward the mainframe. As constant pursuers of innovation, they were first in their country to adopt the IBM z13 mainframe, two of which now manage a variety of the bank's application types, including COBOL versions 4 and 5, DB2, DL1, CICS, IMS and more.

Now dedicating 60 percent of its IT investment in retail banking to the mainframe, the bank decided to place the platform at the core of its IT strategy. In doing so, it reworked its digital transformation project to include a heavy emphasis on mainframe investment.

Objectives included modernizing the bank's business-critical mainframe applications and safeguarding the ability of its mainframe team to:

- Re-energize its mainframe development environment
- Remove obsolete mainframe technology
- Transform its mainframe into a modern Agile/DevOps platform

This required a modern mainframe development tool that empowered the bank's development team to preserve and advance its mainframe assets, kick-starting the process of analyzing multiple mainframe IDEs, with the end goal of finding a solution that would:

- Improve developer productivity across numerous mainframe technologies and languages
- Ease next-generation developer adjustment to and understanding of mainframe systems
- Bring the platform into the company's overall Agile/DevOps strategy



## SOLUTIONS

In February 2016, the bank began a two-month Request for Information (RFI) analysis of potential IDE solutions to power its mainframe investment strategy.

### The Evaluation

These IDEs included:

- Compuware Topaz Workbench
- IBM RDz
- Micro Focus Enterprise Developer

After the bank's two test teams—20 developers, two team leaders and a mix of expert and next-generation mainframe developers—analyzed each potential solution, the bank found Compuware Topaz to be the superior IDE for helping it accomplish its mainframe investment goals. This decision was based on several aspects of Topaz Workbench, finding Compuware offered the best technology, easiest installation and implementation, and most responsive support.

### Why Topaz Workbench

The bank choose Topaz based on these characteristics:

- Integrated suite of tools, not just a set of features
- Complimentary access to Topaz Workbench
- Intuitive and adaptive to millennials
- Designed for Agile/DevOps teams
- Equipped with static and dynamic visualization capabilities, which help developers literally see program structures
- Integrates with leading mainframe and non-mainframe DevOps tools such as SonarSource and Jenkins

- Provides access to CA Endeavor functionality through Topaz Connect (a key adoption criterion for the bank)
- Open and customizable through APIs
- Easier to install, set up and start using
- Flexible with licensing

### Easiest Installation and Implementation

When it came to proof of concept, Topaz was installed by the bank's developers themselves within 30 minutes and was operational from day one. This was a major contrast to one of Compuware's competitors that took three hours to install and one month to become operational, and another competitor that was disqualified after one month of an unsuccessful setup.

### Superior Support

Compuware provided the bank's RFI teams with above-and-beyond assistance throughout the process, including training sessions; workshops; regular reviews with project team leaders; a user guide in the bank's domestic language customized to their context; and support and product management to fix cases.

### Results

Topaz is helping the bank achieve its digital transformation goals by enabling it to include the mainframe in its broader DevOps architecture. The modern, intuitive nature of Topaz will help the bank's incoming next-generation developers understand its business-critical mainframe applications, while also saving the bank money by increasing the quality of work and productivity of developers and reducing costs.

To learn more, please visit: [compuware.com/topaz](https://compuware.com/topaz).

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Compuware empowers the world's largest companies to excel in the digital economy by fully leveraging their high-value mainframe investments. We do this by delivering highly innovative solutions that uniquely enable IT professionals with mainstream skills to manage mainframe applications, data and platform operations.

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