

# Db2 for z/OS Tool Replacement for UK Bank

As one of the UK's largest high-street banks, the client depends heavily on Db2 for z/OS for many of its critical IT systems with over 500 million CICS/Db2 transactions being executed in a typical day.

## Background

The bank had traditionally used a mixture of tooling from IBM/Rocket and BMC Software, but had become increasingly concerned about the timeliness of BMC's support for new features.

The priority was to close a Schema Change Backout Risk using the IBM Db2 Administration Tool for z/OS and IBM Object Comparison Tool for z/OS.

With this extra functionality and the performance of the IBM/Rocket products being comparable to the BMC equivalents, the bank decided to standardise on IBM/Rocket products.

A team was assembled for the conversion project, with representatives from the bank's DBAs and application teams, together with experienced specialist external resources provided by IBM and Rocket. Triton consultants were part of this external team and played a key role in the successful delivery of the conversion.

## Project objectives



### Primary deliverable

Seamless conversion to standardise on IBM Rocket products



### Technologies used

IBM Db2 Administration Tool for z/OS  
IBM Object Comparison Tool for z/OS  
IBM Db2 High Performance Unload  
IBM Db2 Automation Tool for z/OS



### Principal benefits

Cost effectiveness  
Product standardisation

# The Project



## Tool Replacement

Triton took responsibility for several important aspects of the technical work surrounding the Tool Replacement, including:

- **Installation and configuration** of the new IBM/Rocket toolset, including IBM Db2 Administration Tool for z/OS, IBM Object Comparison Tool for z/OS, IBM Db2 High Performance Unload and IBM Db2 Automation Tool for z/OS.
- **Development** of automated tooling to simplify maintenance of these tools across the bank's 60+ Db2 subsystems, allowing APARs and new releases to be rapidly rolled out across the Db2 estate with minimal risk. This automation was critical given the large number of problem fixes and product enhancements that had to be delivered during the conversion work.
- **Assistance** with the development of bespoke REXX automation to handle the bulk of the utility conversion, together with other code to assist with the generation of Db2 and sequential test data for utility conversion testing.
- **General Db2 consultancy** and support for the bank's in-house DBA and application staff to assist with the utility migration and testing process.

# Summary

The bank's conversion project was both complex and risky, with more than 40 separate product enhancements being delivered by IBM/Rocket in order to ensure a smooth transition to the new tooling.

## Outcome

# 1,646

utility jobs converted a month

- **85,055 Utility Steps Converted**
  - 46,828 Image Copies
  - 20,873 Unloads
  - 11,194 Loads
  - 6160 Reorgs
- **18,141 Lines Code Written**
  - 21 Rexxes written to automate much of the conversion, test data generation and QA checking.

As a result, the bank has now solved the Schema Change Backout risk and has also been able to take advantage of:



**Earlier access** to key new Db2 features



**Improved performance** for many critical batch operations



**a simplified** Db2 tooling landscape



significant licence **cost savings**

## Why choose Triton

**At Triton, we specialise in helping clients modernise their products. If you need to switch from one Db2 product or vendor to another, we can help you migrate all your utilities and operations without a hitch.**



As an IBM and Rocket business partner, Triton's in-depth Db2 technical knowledge and proven tools conversion experience were key factors in the success of this project."

**Patric Becker**

Senior Director, System Z  
Solutions Advisors EMEA

**We know tool replacement.** We are proven experts in tool replacement, having played a key role in many major projects. If you're considering a tool replacement project, we can help.

**We'll control cost.** Adopting new products can help to simplify Db2 tooling and improve performance for many critical batch operations – and deliver significant savings on licence costs too. We'll help you minimise the financial risks of the move and make sure you realise the savings you're looking for.

**You're in control.** We'll work with you to put the processes and protocols in place to help you achieve a smooth changeover in tooling with no disruption of your day-to-day operations.

**Future development.** We'll develop automated tooling to help simplify the maintenance of tools across multiple Db2 subsystems, allowing APARs and new releases to be rolled out rapidly and with minimal risk.

**Ongoing support.** As well as managing a smooth transition, we can also deliver ongoing management including technical support and training for staff on the new tooling.

**Talk to our expert team** about how modernising your applications could help reduce costs and increase flexibility.

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