

## Case Study Summary

### Key Facts

<b>Title</b>	Continuous Modernization of Business-Critical COBOL Systems
<b>Client</b>	Anonymous European Financial Service Vendor
<b>Number</b>	RETHINK IN ACTION #001
<b>Industry</b>	Confidential
<b>Application Origin</b>	Late 1970s / Early 1980s
<b>Core Technology</b>	COBOL
<b>Modernization Strategy</b>	Continuous Modernization
<b>Key Application Milestones</b>	Mainframe → Unix → Linux → AWS → Cloud → ARM64
<b>Current Architecture</b>	Parallelized cloud-native execution pipelines

### Executive Summary

<b>Customer and Application Profile</b>	A COBOL-based mission-critical financial processing application, conceived in the 1970s, operational for 4 decades, supporting millions of end-users.
<b>Scope and Strategy</b>	Managed by a central support team, the application originally deployed on an IBM mainframe, and progressively evolved through Unix, Linux and then cloud environments, without rewriting core business logic.
<b>Modernization Journey</b>	The application targeted AWS cloud deployment, using ARM64 processors, leveraging cost efficient, faster performance while preserving proven application behaviour. Execution pipeline was further remodelled to leverage elastic cloud infrastructure.
<b>Measured outcomes</b>	Execution times were reduced from minutes to seconds with no impact on operational integrity. Moving from Data Center to AWS was completed ahead of schedule. Overall, a decades-long program of continuous modernization has delivered operational improvements without any issues.
<b>CobolCloud Partnership</b>	Since 2013, CobolCloud (and its predecessor company) have supported the customer's gradual transformation from mainframe-based COBOL operations to a modern, cloud-ready environment, by preserving proven business logic across a series of modernization milestones (distributed, cloud, ARM64), using a customer-led continuous improvement model.