OpenLegacy
Digital to the Core

Case Study

U.S. Bank Digitally Transforms Legacy System

With OpenLegacy, APIs can now be created in hours instead of weeks & months

Banking | Digital Transformation | API Caller | CICS | Mainframe | Kafka

This American full-service bank is one of the top 20 U.S. banks and part of the one of the biggest banking groups in the world. It offers personal, business, commercial, and private banking services in 398 branches across the western United States. The bank is actively pursuing several digital transformation initiatives, including seamlessly integrating its mainframe into its new digital platform.

The Challenge

Leverage the mainframe as a key part of the new digital environment

Incorporating significant mainframe workloads into the bank's new digital platform was the bank's biggest obstacle. With much of the target architecture already in place, the bank needed to implement a modern, cutting-edge, event-driven digital architecture and enable automated mainframe API creation and deployment. Due to layers of complex middleware, the project was expected to take months.

After finding other options to be complex, hard to install and maintain, the bank chose an event-driven architecture using Apache Kafka from which all platforms would send and receive.

The Solution

Maximize CICS investments.

OpenLegacy's specialty is helping companies quickly and easily leverage mainframe functionality in modern digital services. We immediately knew that by connecting directly to the CICS, bypassing middleware complexity, and automating much of the microservice and API creation, the client could more easily incorporate their CICS investments as part of their larger digital transformation process.

> *OpenLegacy liberated our legacy system from our middleware stack, resulting in a dramatically streamlined process and significant capital savings. From now on, when it comes to legacy integration, we're using the OpenLegacy platform for all our digital initiatives.*
>
> **IT Executive, Full-Sservice American Bank**

Transform the mainframe from a business burden to business enabler.

The bank partnered with OpenLegacy and, within a short two-week pilot, five different use cases were up and running, including the mainframe as a provider and consumer of Kafka events and REST APIs.

Use API Caller to enable the mainframe to contact external APIs.

With OpenLegacy's API Caller, the bank's system can directly call an external API from a CICS mainframe application. By using standard APIs to directly connect legacy systems to the digital world, OpenLegacy empowers the mainframe to fully participate with all modern digital architecture.

Create smooth communication to and from COBOL.

OpenLegacy's microservices-based API platform includes connectors that allow for quick and easy communication between the existing COBOL infrastructure and the new digital applications. The platform generates COBOL code for use on the back end and simplifies the process by analyzing the Swagger API definition and automatically generating the COBOL copybooks. Developers simply integrate the code into their COBOL applications, and the code takes care of initiating the call to the external API.

OpenLegacy initiates conversations both from the mainframe and digital sides of APIs. It flexibly handles Kafka and automatically generates direct connections.

The Result

The bank's new architecture was supported in record time.

OpenLegacy helped the bank accomplish their goals while also adhering to DevOps and agile principles.

Achieved faster API delivery.

OpenLegacy delivered 5 use cases in just two weeks, versus months.

Maximized value of existing hardware.

OpenLegacy helped the bank attain lower TCO and memory consumption than other solutions offered.

Affirmed the value of the OpenLegacy platform.

The bank will standardize by using Openlegacy as the platform for all digital initiatives.

About OpenLegacy

OpenLegacy's Digital-Driven Integration enables organizations with legacy systems to release new digital services faster and easier than ever before. Connecting directly to even the most complex core systems, OpenLegacy automatically generates the digital-ready components needed to integrate legacy assets into exciting new innovations. With OpenLegacy, industry-leading companies release new apps, features, and updates while spending a fraction of the time and resources, so they quickly and easily become digital to the core.