



Case Study

# Achieving a full hybrid architecture and multi-cloud strategy



Established in 1836, Legal & General is a leading financial services group and major global investor. OpenLegacy's relationship with Legal & General began with a project to convert an existing CICS Transaction Gateway (CTG) integration into a microservice. This fairly simple, one-to-one transformation was successfully deployed on OpenShift and AWS. A positive experience with this initial effort led Legal & General to invite OpenLegacy to participate in a large-scale transformation project.



## The Challenge

Legal & General wanted to separate applications they consider "softcore" ancillary systems, such as Document Management, from heavy applications and systems they consider "hardcore," such as Claims Processing. The goal was to migrate all softcore apps from their legacy IBM Mainframe machines to a modern environment, such as Microsoft Dynamics.

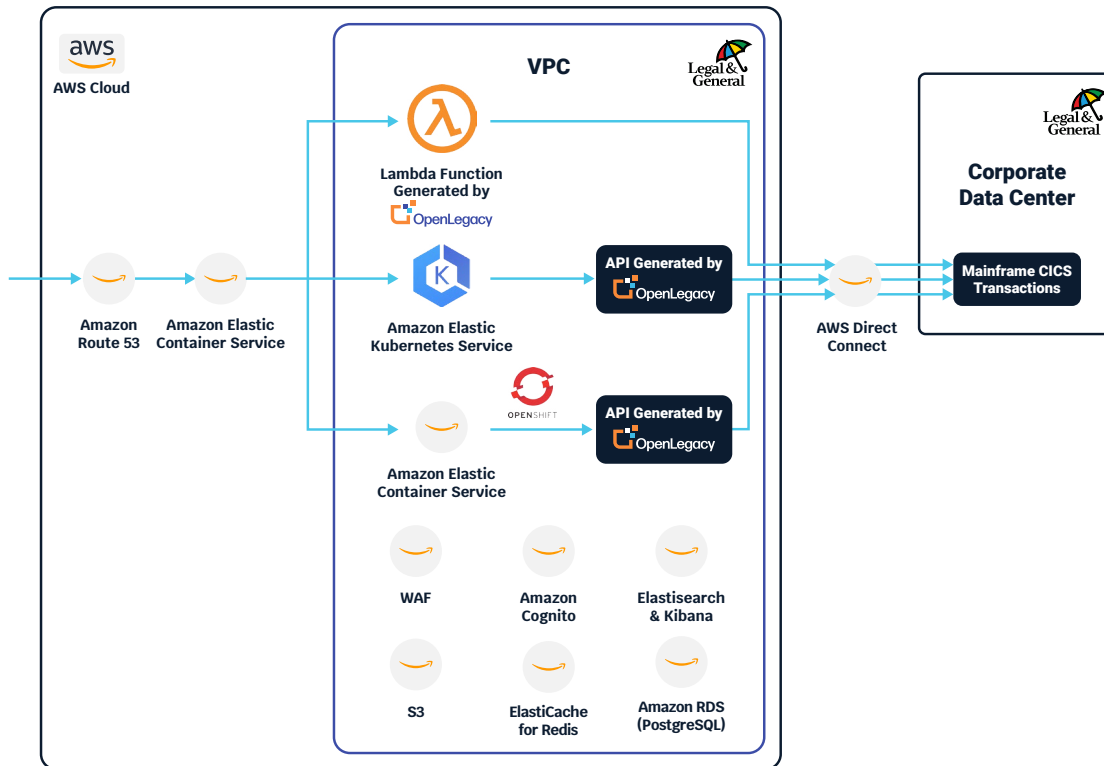
Legal & General also wanted to improve their claims processing systems by incorporating the capability to scale up and down as necessary using microservices, all while leaving their hardcore systems on the mainframe. Both efforts were part of Legal & General's long-term modernization and transformation plan, designed to take advantage of the benefits and efficiencies of moving to the cloud.



## The Solution

OpenLegacy Hub Platform was the key to a successful project execution. The platform contains native capabilities to expose hardcore systems on the mainframe to the outside world via the automatic generation of microservices-based APIs, easily meeting the scalability requirement. With the softcore systems migrated to the cloud, Hub can access the mainframe directly, making it possible for both hardcore and softcore to work in harmony, and using APIs that communicate with the OpenLegacy CICS adapter to completely bypass the CTG layer.

This transformation project capitalized on OpenLegacy's automatic generation of microservices and APIs to expose existing mainframe business logic and functionality, and streamline deployment capabilities



to any target architecture. This vital functionality allowed Legal & General to utilize a blended, multi-cloud architecture, which comprised OpenShift and Node/Lambda on AWS. The OpenLegacy Hub technology approach automatically deploys steady load operations to the configured selected environment chosen by Legal & General to OpenShift. Variable load operations are deployed to a serverless Node/Lambda environment.



## The Result

Legal & General has fully implemented the OpenLegacy Hub SaaS platform to perform as a strategic product in its operations. They now operate a full hybrid architecture and multi-cloud strategy, leveraging the best of all technologies: the mainframe as core, with both private and public cloud on the digital side, all working in harmony through OpenLegacy's cloud-native hybrid-integration platform. Now, all systems operate efficiently and effectively, streamlining processes and making the best use of each technology. The results include operational and cost efficiencies, streamlined time-to-market, and improved performance speed.

## About OpenLegacy

OpenLegacy offers a cloud-native hybrid integration platform. OpenLegacy Hub delivers a fast, simple, risk-free way to generate, extend and manage digital services from on-prem legacy and core systems to the cloud. It connects directly to virtually any core system, instantly generating microservice-based APIs that power exciting new digital services—making the cloud journey, not just possible but faster and more efficient than ever before.