Modernized Architecture & Systems Integration

Challenge

Our client is a student education loan processing company leveraging a variety of programs (loans, scholarships, grants) to provide comprehensive financial aid services to students, helping them achieve their academic goals.

As they added partners, programs and services throughout the country, each one became its own point-to-point integration to their mainframe, resulting in an inefficient and incomplete flow of data, along with a costly, unmanageable architecture.

Solution

To reduce the architectural complexity and cost to support, Derive designed, developed and deployed an Enterprise Service Bus to replace all point-to-point interfaces to the mainframe, providing:

- A single integration point for all existing and future applications.

- A unified Service Oriented Architecture for efficient, streamlined integration and support.

- A scalable, high-performance, high-availability architecture, providing guaranteed data delivery, while ensuring data integrity.

Technology Used

MuleSoft   ActiveMQ

spring by Pivotal   ANGULARJS by Google

MySQL   IBM DB2

Microsoft SQL Server   IBM AS/400

Benefit

Derive delivered a state-of-the-art solution that reduced the complexity, time, effort and cost to manage existing programs, while making it significantly easier to implement and support new loan programs for their students.