

Modernizing and Migrating Technology Assets of a Storied Financial Services Institution



Executive Summary

Acadian specializes in systematic investment strategies and risk-controlled portfolios managed on behalf of pension funds, endowments, foundations, governments, and other institutions globally.

Acadian developed their infrastructure software over the span of 40 years using the Microsoft technology stack, deployed in three on-premises data centers around the globe. It was time to modernize.

Client's Key Challenges

Working with Acadian, VividCloud developed a list of challenges to tackle:

- Acadian was experiencing the classic difficulties of aging software: difficult to maintain, difficult to enhance, and increasingly expensive to scale any further their on-premises data centers.
- Acadian's software included a complex SQL Server database, financial portfolio tracking and management applications, account tracking and management applications, regulatory compliance software, and much more.

VividCloud's Solution

Create a Migration Roadmap

VividCloud began with creating a Migration Roadmap, including a phased migration to the cloud, choosing AWS as the cloud platform.

VividCloud then developed a set of APIs on AWS to effectively encapsulate the aging SQL database and its tightly entwined business logic, providing the new cloud-native applications access to, and synchronization with, the legacy database.

Design for Acceleration

Since hundreds of new cloud-native applications are required to replace the legacy software, VividCloud helped Acadian get a running start by developing several Single Page Application templates in REACT to accelerate the replacement of the legacy C#/.NET application.

Results and Benefits

- Acadian was able to systematically migrate their business-critical applications to the cloud, and follow a measured plan to replace or modernize their many applications.
- As this work progressed, because of the systematic, Agile approach, Acadian was able to consistently service their clients without interruption.



Industry: FinTech

Location: Boston, MA

Website: www.acadian-asset.com/

A b o u t

Acadian Asset Management

Acadian Asset Management is a Boston-based institutional investment company with \$100B under management.

AWS Services

The following services and capabilities of AWS were used in this solution:

- AWS Lambda
- AWS Application Load Balancing (ALB)
- AWS Elastic Containers (ECR)
- AWS Batch
- AWS Data Migration Services (DMS)



About VividCloud

VividCloud is a software development company focused on cloud and IoT. AWS is our cloud platform of choice, and we are an Advanced Tier APN Consulting Partner. We bring fully managed teams that free our clients from day-to-day oversight responsibilities. VividCloud is based

