

## **AVISO CASE STUDY #3**

**Themes: Clojure, Docker/Devops, Financial Systems**

## **AVISO CASE STUDY - PROOF OF CONCEPT FINANCIAL SYSTEM**

### **Meet Aviso**

Aviso is an Irish financial services company that provides flexible EFT switching with its "Novate" product. Aviso and its parent company FEXCO provide their services to partners like Barclaycard, First Data and Global Payments.

Novate is a large financial switch with nearly 100k lines of code. It is built in Clojure, uses Postgres, and runs on the JVM.

### **The Project**

In early 2014, Aviso was seeking assistance building a proof-of-concept financial system for R&D. The project utilized new and emerging technologies like Clojure and AWS, and they needed expert assistance.

Aviso contracted Ryan Neufeld of Homegrown Labs to undertake the work.

### **The Work**

At the outset of the engagement, the team already had a prototype built using Clojure in place, but lacked a clear means of testing and deployment.

Over the course of 6-12 months, Ryan worked with the team to develop an entire delivery and deployment pipeline for the project.

- Unit, integration and load tests hosted on Bamboo
- Docker-based build—package once, run anywhere
- Push-button AWS deployment on top of CloudFormation, ECS, and other tools.

## **Results**

Over the course of the project, Aviso learned a lot about its market, its customers, and most importantly, how it wanted to deliver software.

In the years to come, Homegrown Labs would work with Aviso to further refine these ideas into what would become the company's production delivery pipeline.