

Decision Management System for Risk & Fraud

CAPABILITIES SHOWN



Application
Modernization



Kubernetes
Service



Cloud
Engineering



Machine
Learning



Agile
Services

ABOUT THE COMPANY

Navitas Business Consulting is an award-winning, woman and minority-owned, SBA 8(a) certified IT Consulting & Solutions Company. We value passion, integrity, commitment, and collaboration, provide the perfect combination of technology, people, innovation, and expertise, and are committed to helping you improve speed, achieve desired outcomes, and reduce costs. Our core capabilities include multi-cloud enablement, digital transformation, and data and intelligence.



CUSTOMER CHALLENGE

Risk & Fraud Systems (RFS) need intelligent management tools, including investigative tools and case management systems. A federal agency needed an automated decision engine that offers decision-based routing of case management data between internal and external data partners. The Agency needed to be migrated from a Siebel database-based system to a microservices-based NexGen System. This migration would increase code quality and coverage through unit testing, allow for free-form text on investigative data searches, improve pipeline security tools, increase awareness of DevSecOps best practices, engage legacy team members to support modernization, and streamline single-click pipeline orchestration.

NAVITAS SOLUTION

Team Navitas built a decision management system for the Agency's Risk & Fraud division using microservices, containers, and case management on AWS. We used GitHub as a software repository, Nexus to provide secure access to shared libraries, Maven to build our code, and Jenkins to deploy the resulting software. These industries aligned open solutions and enabled agile development processes and migration to cloud service models.

We enabled self-service infrastructure & service provisioning by automating cloud provisioning processes and delivered them via a self-service portal in ServiceNow. We used Cloud Formation and Terraform to orchestrate the delivery of the infrastructure and services selected. We used Docker as a container management solution and Redhat OCP for container orchestration. The combined toolset enabled users to focus on the appropriate infrastructure patterns the solution, the resiliency, the capability, and the security needed to support them.

THE BENEFITS

45%

faster decision-making based on real-time insights

15

points increase in code quality and coverage (greater than 95%)

200%

increase in fraud identification after automated decision making.

30%

increase in operational processing with single-click orchestration and improved pipeline security tools

Improved

operational efficiency with end-to-end visibility of all transactions.