

A large, glowing blue cloud shape composed of a network of interconnected nodes and lines, centered in the upper half of the page.

PLATFORM MODERNIZATION AND ANALYTICS FOR IMPROVED BUSINESS INSIGHTS

CAPABILITIES SHOWN



Advisory
Services



Cloud
Migration



Digital
Transformation



Cloud
Engineering



Observability
& Monitoring

ABOUT THE COMPANY

We are an ISO 9001:2008, 9001:27001, 20000-1:2018, CMMI Level 3, EDWOSB providing superior, affordable and innovative business management and information technology services to federal and private sector clients nationwide. We specialize in Software Development, Business Intelligence (BI), Data Management, Data Governance, Cyber Security, Data Quality, Master Data Management, Advanced Data Analytics and Cloud Services.

ABOUT THE CUSTOMER – SECONDARY MORTGAGE COMPANY



The Financial Company is a leading source of mortgage financing in all markets and at all times. They ensure the availability of affordable mortgage loans. The financing solutions They develop make sustainable homeownership and workforce rental housing a reality for millions of people.

CUSTOMER MIGRATION TO PLATFORM MODERNIZATION AND ANALYTICS FOR IMPROVED BUSINESS INSIGHTS

Navitas worked with a leading secondary mortgage company to migration and modernization of their platform which included application re-architecture, refactoring, and migration to AWS.

Key Challenge

- ✔ Data was siloed and messy. Performance issues retrieving that data.
- ✔ Unsupported, legacy IT infrastructure with single points of failure increased the risk of downtime and data loss.
- ✔ Lack of Analytics hindered actionable insights into customer information.

SOLUTION



Financial providers' official Web-based application that provides the ability to submit loans for whole loan sale, mortgage-backed security (MBS) pools, and As Soon As Pooled Plus (ASAP Plus) loans.

A single source for data, reporting and analytics, providing full visibility into customer business transactions with the mortgage provider. It also provides raw data or dynamic dashboards, cutting-edge business intelligence that will help discover.

SERVICES USED



- ✔ AWS S3 (Simple Storage Service): Used for storing objects and data, including static resources and backups.
- ✔ Amazon RDS (Relational Database Service): Used for hosting databases, specifically Aurora and Postgres.
- ✔ Amazon ECS (Elastic Container Service): Used for deploying and managing containerized applications.
- ✔ AWS Fargate: Used for serverless container orchestration.
- ✔ AWS Lambda: Used for serverless functions and integration into the application.
- ✔ AWS EFS (Elastic File System): Used for shared file storage.
- ✔ Amazon AppStream: Used for delivering applications to users via streaming.
- ✔ AWS Secrets Manager: Used for managing application credentials and secrets.
- ✔ Amazon API Gateway: Used for managing APIs and routing requests to the appropriate services.

- ✔ AWS X-Ray: Used for monitoring and analyzing container workloads.
- ✔ AWS Inspector and GuardDuty: Used for security monitoring and threat detection.
- ✔ Amazon Route53: Used for DNS routing and traffic management.
- ✔ Amazon Redshift: Used for data warehousing and analytics.
- ✔ AWS Direct Connect: Used for connecting on-premises data centers to AWS.
- ✔ AWS Transit Gateway: Used for networking and connectivity.
- ✔ AWS KMS (Key Management Service): Used for managing encryption keys.
- ✔ AWS CloudFront: Used as a content delivery network (CDN) for internet-facing services.

THE BENEFITS

- ✔ **Data-Driven Visualizations:** Transformed complex data into actionable insights, resulting in a 25% reduction in decision-making time and a 20% increase in data-driven strategic initiatives.
- ✔ **Enhanced Data Accessibility:** Provided raw data for download in various formats and through API access, leading to a 30% increase in data utilization and enabling faster ad-hoc analysis.
- ✔ **Personalized Experience:** Offered customizable features, leading to a 15% improvement in user satisfaction and a 40% reduction in report customization time.
- ✔ **Continuous Availability:** Enabled 24/7 access to business-critical data, leading to a 15% increase in operational efficiency and timely financial reporting.
- ✔ **Benchmarking Advantage:** Allowed industry benchmarking, resulting in a 10% improvement in performance optimization efforts and strategic alignment.
- ✔ **Portfolio Optimization:** Unlocked insights for better portfolio management, resulting in a 12% increase in portfolio value and a 25% reduction in underperforming assets.