



Where software concepts come alive™

Business Domain

FinTech

Project Type

AWS consultancy & support

Optimizing AWS Infrastructure for Financial Data Platforms Through Expert Cloud Consulting

Client

A US-based financial technology advisory firm specializing in data-driven profitability analytics for mortgage institutions. The company supports a broad network of lenders and banks across North America, delivering SaaS platforms and consulting services that optimize profitability intelligence, operational transparency, and compliance performance.

Project

A consulting and implementation engagement aimed at improving the client's AWS infrastructure posture, security compliance, and automation pipelines.

Objective

To optimize AWS infrastructure for security, resilience, and automation while improving deployment efficiency and compliance alignment across multi-account environments.

Team Reinforcement

The engagement was structured as an AWS consulting partnership focused on elevating the client's cloud strategy, operational efficiency, and security governance. Intetics provided expert advisory support and hands-on guidance across architecture planning, process optimization, and compliance alignment. The collaboration emphasized knowledge transfer and best-practice adoption, enabling the client's internal team to operate with greater confidence, agility, and long-term independence in managing their cloud environment.

Challenge

The client's internal DevOps team faced several obstacles in maintaining scalable, secure, and automated AWS infrastructure:

- Fragmented deployment workflows requiring manual intervention across multiple environments.

- Limited visibility into system compliance and threat detection across AWS accounts.

- Inconsistent backup strategies and lack of cross-region recovery readiness.

- Manual time-intensive updates to applications

- Need to enhance observability, configuration management, and policy enforcement without disrupting production operations.

Quick Facts

- ✓ Centralized compliance and threat detection across all AWS accounts.

- ✓ Reduced backup management overhead by 40%

- ✓ Strengthened governance across multi-account infrastructure

Technologies

AWS CloudFormation / CodePipeline / Bitbucket
OIDC / GuardDuty / Security Hub / AWS
Backup/ Systems Manager

Solution

★ 01

Consulted on improving AWS CloudFormation templates and CI/CD pipelines integrated with Bitbucket OIDC. Streamlined automation reduced manual deployment effort and improved rollout consistency.

★ 04

Guided the configuration of AWS Systems Manager for fleet control, including troubleshooting Run Command issues and improving node management for EC2 instances.

★ 02

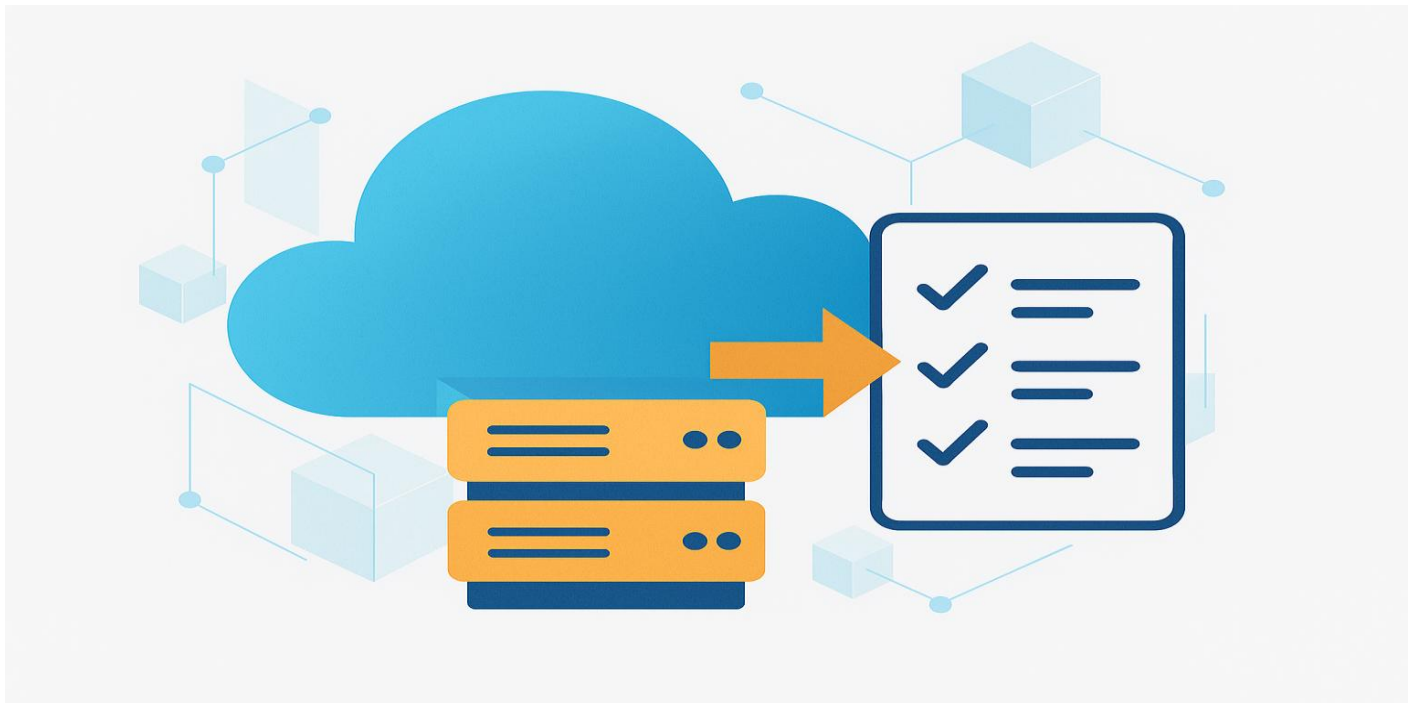
Enabled AWS Security Hub and GuardDuty for unified compliance and threat monitoring across multiple accounts. Established baseline tagging rules and policies to enhance visibility and auditability.

★ 05

Introduced methodology for assessing software and infrastructure quality, helping the client benchmark maintainability, performance, and security dimensions.

★ 03

Implemented a cross-region AWS Backup strategy and multi-account backup policy structure, ensuring data durability and recovery preparedness in compliance with financial regulations.



Client Reference



The AWS consultation helped us streamline deployment, improve visibility, and implement enterprise-level backup and security frameworks we couldn't achieve alone.

Benefits and Results

- ★ 30% improvement in deployment efficiency through enhanced CI/CD automation.
- ★ Improved disaster recovery readiness with cross-region replication.
- ★ Reduced manual administrative tasks through Systems Manager automation.
- ★ Simplified audit readiness and regulatory reporting for financial compliance.

Techstack:

AWS CloudFormation / CodePipeline /
Bitbucket OIDC / GuardDuty /
Security Hub / AWS Backup /
Systems Manager

Team:

Project Manager, AWS
Consultant/Engineer