



Case Study

Ntirety Migrates Financial Services Firm's Application to a Scalable AWS Environment to Support Market Expansion Plans



OVERVIEW

Growing a business comes with plenty of expected challenges, but most organizations do not anticipate the IT challenges that come with rapid growth. Quickly outgrowing IT applications and infrastructure puts strain on resources, bandwidth, budget, and the ability to continue positive growth.

This was the case for one financial services firm. But with a strategic IT shift to a new Amazon Web Services (AWS) environment with the help of Ntirety's experts, scalability became possible.

Situation

After enjoying a third consecutive year of double-digit revenue growth, the financial services firm had added 2,000 new users to their application portfolio, while increasing headcount by 40% and expanding into new office space. With all the growth, the firm's IT had to make quick moves to keep up.

Originally, their application was designed to run on dedicated servers but then moved to a streaming application. The firm was facing a sprawling infrastructure and spiraling costs, as well as inconsistencies in deployment, configuration, and security policies.

Given the extreme growth the firm was experiencing, they needed to migrate the application to a cloud environment that could scale to manage their business growth in both the U.S. and other countries and, overall, to better service their customers.

Solution

Having been an Ntirety client for some time, the firm relied on Ntirety for assistance in migrating their application to AWS. With a cloud-based application, the financial services firm's customers could leverage timely, agile, and flexible budgeting and forecasting capabilities from anywhere, at any time, without the need for IT involvement.

For the initial build, the firm's requirements included an Apache Tomcat web tier and a MongoDB database tier (NoSQL). Ntirety worked with the firm to collect these and other requirements and created a reference architecture that worked with all the infrastructure pieces.

COMPANY TYPE
Financial Services Firm

INDUSTRY
Fintech

SOLUTIONS
Cloud Migration
AWS Cloud Formation
Virtual Desktop Infrastructure

Ntirety designed, built, and implemented an auto-scaling, security-focused design for their new application. This environment was designed entirely as code using AWS Cloud Formation and was implemented to be an auto-scaling, secure application.

The entire environment also connected back to their Virtual Desktop Infrastructure (VDI) environment via a Direct Connect link with a Virtual Private Network (VPN) Failback.

RESULTS

The design Ntirety implemented allowed the financial services firm to easily add customers on the fly in a matter of **minutes versus the 40-plus hours** it took to manually add a customer when the application was in the SaaS environment.

Together with Ntirety, the firm successfully moved their production workload over to the AWS model and began offering the platform to new customers. With plans to continue expanding globally, the AWS environment provided the flexible, scalable architecture the firm needed to support ongoing new growth.

The digital transformation did not end with migration but continued with Ntirety's trusted Managed Cloud solutions and GLAs—providing lasting support and optimization for the university's internal IT teams and letting them focus on continuously delivering academic excellence.



With over two decades of successfully operating, managing, and securing private, public, and hybrid cloud environments, Ntirety has led enterprises across industries through the volatile early days of data hosting into the world of 24x7 managed security with our premier Compliant Security solutions. Through cost effective and scalable solutions tailored to business-specific needs, Ntirety eliminates gaps in both security posture and compliance documentation by delivering solutions that cover the entire application, the entire compliance and security process, the entire time.

Schedule a consultation to see how compliant security will protect and optimize your business by visiting ntirety.com/get-started today.