

Modernizing complex, high-volume financial workflows

Major national investment company | Financial Services



Business opportunity

A company that manages more than USD 600 billion in funds for a nation state's pension plan faces continual pressure to lower operating costs. The company must run as lean as possible to maximize benefits for a growing pool of retirees, without sacrificing any stability, security, or flexibility in its operations.

To reduce expenses, boost IT agility and make it easier to deploy new analytics solutions, the company migrated most of its on-premises financial applications to Amazon Web Services (AWS). But the company needed an AWS services consultant and operations expert it could trust to run and continuously optimize its cloud landscape.

Technical challenge

With more than 840 virtual servers, 12 storage systems and more than 220 network devices across 9 AWS data centers on 4 continents, the company has a large and complex cloud environment. This AWS landscape is the bedrock of the company's financial operations. It includes systems for managing private equity, credit investing, real assets, investment accounting, NAV calculations, trade settlements, and performance measurement across multiple asset classes and currencies. It also runs real-time FX trade confirmation and matching services, an operational data pipeline responsible for generating and

transmitting trade settlement instructions, and a platform for real-estate and property management and related debt instruments.

In addition to ensuring smooth operations and responsive technical support for this landscape, the company needed a partner with expertise in serving the banking industry to:

- Finish migrating its on-premises estate.
- Enhance its AWS account structure for greater flexibility.
- Define and enforce secure design principles.
- Enhance the performance and cost-efficiency of migrated workloads.
- Develop a greenfield platform for cloud-native applications.
- Identify and execute transformation opportunities.

The company found that partner in Kyndryl.

Our solution

Together, Kyndryl and the company enhance the AWS landscape and build new services. Kyndryl manages the reliability, performance and efficiency of the infrastructure,

from provisioning and hardening new virtual servers to deploying upgrades and patches.

As the company transforms legacy software into cloud-native applications, migrating from VMware Cloud on AWS to AWS Cloud Foundation, Kyndryl provisions new resources in close collaboration with the internal DevOps team.

Kyndryl uses Red Hat Ansible playbooks with Kyndryl Bridge to significantly automate managing incidents, and runs an Amazon Machine Image (AMI) Factory, generating 30+ AMIs monthly for rollout across the landscape.

Kyndryl draws on its deep experience of serving the banking industry to help modernize and secure the company's financial operations running on AWS.

The power of partnership

The Kyndryl team works closely with AWS to optimize the cloud infrastructure and keep it aligned with Cloud Foundation governance and AWS Well-Architected Framework principles. Kyndryl's strong strategic alliance with AWS enhances service quality and reduces risk.

Amazon Web Services included in the solution:

- Amazon EC2 for flexible compute capacity
- Amazon Machine Image (AMI) Factory and related services for automating the consistent creation, management, and distribution of EC2s
- Amazon Elastic Kubernetes Service and AWS Lambda for (serverless systems)
- VMware Cloud on AWS
- Amazon S3 for scalable storage
- Amazon FSx for NetApp ONTAP for backups
- AWS Systems Manager

What progress looks like

Kyndryl keeps this financial services company's critical environment running around the clock, acting as the backbone of business-as-usual. By introducing Terraform infrastructure-as-code and a self-service AWS Cloud Foundation Platform, Kyndryl supports the client's ongoing innovation and growth, and continually provides recommendations for further improvements. Benefits to date include:

- Containerized workloads for lower costs.
- Enabled real-time trade feeds between systems.

- Enhanced low-latency reconciliation.
- AWS master account subdivided by application, enabling much more granular management, lower costs, and faster deployment.
- Enhanced the resiliency, scalability, and efficiency of the AWS infrastructure.
- Modernized backup and disaster recovery, accelerated migration, and enhanced security.
- Proactive monitoring and automation with Kyndryl Bridge.

What's your next digital business challenge?

Let's tackle it together. →

Meet the team

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