**matilda cloud**

**CASE STUDY:**

# Migrating an Application from Pivotal Cloud Foundry (PCF) to AWS

**TOOLS**

Matilda Discover    Matilda Migrate    Matilda Orchestrate

Leading U.S. telecom provider with extensive legacy infrastructure and mission-critical applications.
Industry: **Telecommunications**
Location: **United States**

## THE CHALLENGE

The telecom company faced an urgent PCF license renewal deadline within six months, forcing a rapid migration of critical applications to modern infrastructure. Legacy applications were distributed across multiple providers, requiring containerization and migration to AWS EKS. Additionally, limited internal expertise in modernization and application management added complexity.

## KEY PROJECT DRIVERS

- Imminent PCF license renewal deadline
- High costs associated with legacy infrastructure
- Modernization goals to improve efficiency and compatibility with cloud-native solutions
- Need for accurate, timely migration to avoid service disruptions

## WHY MATILDA

- Proven experience in meeting critical project deadlines with accuracy
- Expertise in modernizing legacy applications and transitioning to cloud-native environments
- Comprehensive assessment and right-sizing for optimized cost and performance
- Support for PaaS service compatibility and Kubernetes (K8s) refactoring

## THE SOLUTION

Matilda Discover was used to map applications, group assets, right-size them, and ensure compatibility with PaaS services. Following assessment, Matilda Orchestrate facilitated landing zone creation and structured the migration of over 600 VMs, modernizing legacy applications like PCF, SAP, and VDIs to Kubernetes-compatible environments. Matilda Migrate enabled a highly automated migration process with minimized downtime, efficiently moving critical applications to AWS EKS.

## RESULTS

- Successfully modernized mission-critical applications, refactoring and replatforming them
- Containerized and migrated workloads to AWS EKS for scalability and performance
- Significant reductions in migration costs and annual operational costs

## WHY THEY CHOSE MATILDA CLOUD

Matilda Cloud was selected due to its AI-driven assessment and automation platform, which ensures

➤ **Deadline Compliance:** Timely execution to meet hard license deadline
➤ **Accuracy at Scale:** Accurate migration and modernization plans for over 500 servers
➤ **Expert Guidance:** Matilda's real-time insights and automation provided a clear modernization path for the telecom's critical workloads