



Migrating a large Telecom company to AWS Cloud with Matilda Cloud Solutions



Client: A large, US based Telecom company
Location: Dallas, TX
Industry: Telecom
Duration: 18 months



Executive Summary

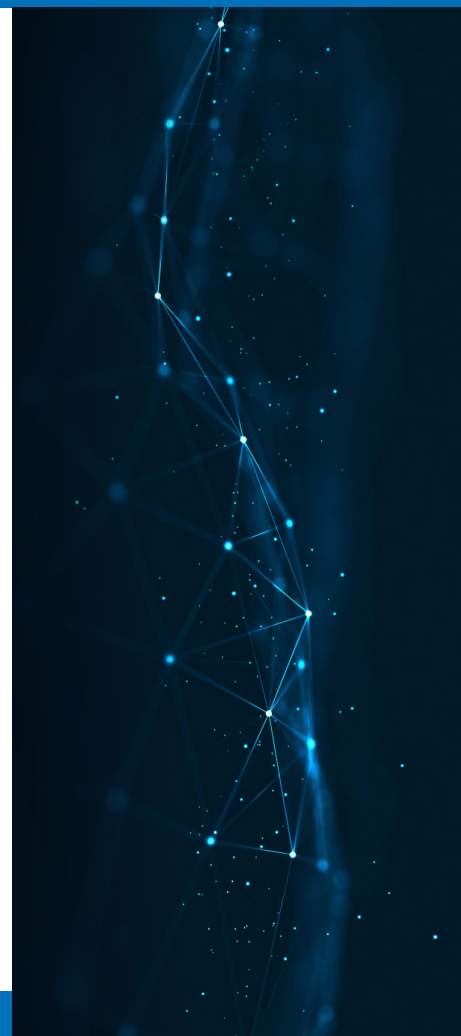
Their executives gave a large telecommunication customer team a mandate to move their applications to the cloud. After 18 months of working toward this goal, they did not see the progress they desired. They were running into issues with old versions of underlying software tools throughout their software stack and applications that had been around so long there was no longer the tribal knowledge, much less documentation. Additionally, mandatory security processes had to be applied to the applications before they could put into production. The customer was introduced to the Matilda Cloud Solutions offerings and set up a POC to try them out. A successful project convinced the customer to engage in further work.

Challenges

The customer's challenge included moving applications to Amazon Web Services (AWS) platform while supporting the security key refresh policies. Also, their current structure was focused on manual build and deploy processes, which added time to the process.

Two application types had proposed as part of the engagement:

- The Mainframe-based mission critical legacy application involved a full-stack upgrade for Microsoft Windows, IIS Server, JDK, WebSphere, DB2 Client, plus SSO and DNS configuration changes.
- High-volume legacy application suite using over 80 servers for 120 applications, requiring a Solaris to CentOS conversion, JDK and WebLogic upgrades, with over 10 data sources, 10 domains, and numerous third-party libraries.



How did Matilda help them?

Partnering with Matilda Cloud Solutions, the customer was able to use the Discovery module to identify the application environment, including the compute, storage, network, and service requirements for the applications. The customer also had to do significant work in adjusting verifying the applications would work with the required upgrades.

The initial phase was to migrate the applications to a non-production environment, as there needed to be extensive testing before moving further. Using the Matilda Cloud Solutions Migration module, they could migrate the applications in no time. After the quality validations were completed, phase two had executed to move the applications to production.

Since the refresh of the keys was not a one-time event, the customer needed a way to easily apply the security process every time a new image was built. The Matilda Cloud Solutions Release Automation module was employed to construct a workflow-driven process that the DevOps team could manage and ensure that the builds were compliant.

- Matilda recognized the client's unknowns in their portfolio quickly, and efficiently to accelerate their cloud migration move almost instantaneously.
- Matilda discovered expired, and expiring soon company's current software licensure cost, and empowered the client with an optimized multi-year plan for licensure savings in thousands of dollars.
- Matilda discovered operational cost of running their current datacenters and recommended a detailed breakdown of cost-savings solutions by migrated to the AWS.
- Matilda plugged in Host and Service Discovery Reports and emerged key information around system services and corresponding host counts, and availability percentages.
- Delivered successfully Inventory Reports, Cloud Dispositions Reports, Service Discovery Reports to name a few.

Business Value

- Discovered, assessed, and consolidated cloud-ready workloads for their IT's operational efficiency.
- Enabled the client with identifying new opportunities to right-size their AWS instances.
- Assisted with App-Infra mapping and surfaced indispensable dependencies.
- Discovered the customer's existing environment, including compute, storage, network, services, and applications.
- Migrated applications to AWS cloud, setting up the virtual infrastructure.
- Managed future releases and security requirements with release automation

Contact us for more information

 855-234-6627 | 972-525-2300

 info@matildacloud.com

 www.matildacloud.com

