



Efficient and hassle-free migration of on-premises Windows based applications to the cloud for high reliability and scalability

Client: Telecom
Location: Dallas, Texas
Industry: 12 weeks



Introduction:

Want to migrate your on-premises applications to the cloud but apprehensive of the many challenges ahead of you?

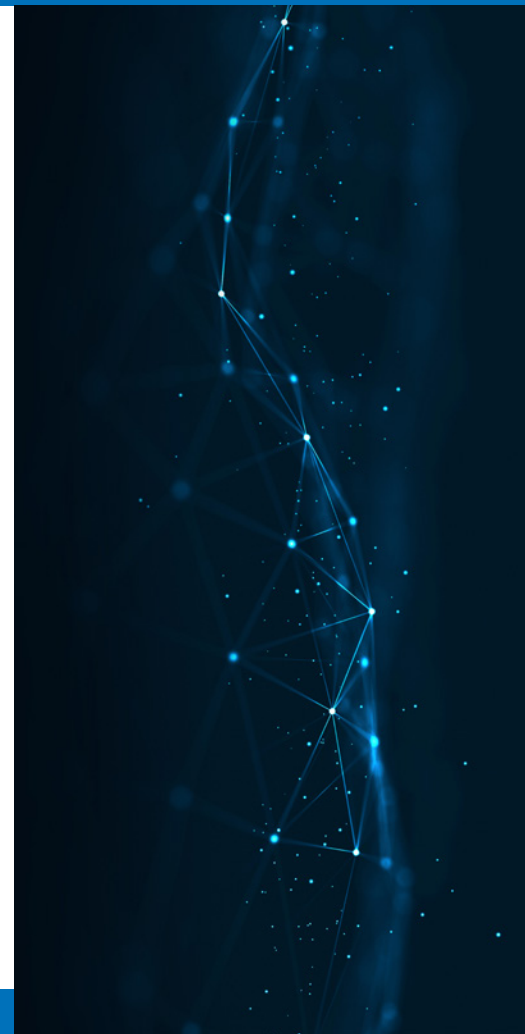
One of the critical applications responsible for transactional analysis is a Legacy Application based on Windows stack. Application software services were at end of the life cycle (EOSL) and migration to AWS required a full task upgrade. This transactional based application demanding of critical design requiring meeting appropriate scaling and failover requirements. This legacy application was lacking suitable CI/CD standard, needing the Client highly benefiting from the end-to-end automated deployment as a part of migration.

Customer Profile:

Our client is one of the largest Telecom providers in the United States, renowned for delivering comprehensive communications and technology solutions that improve the customers' journey.

Business Requirement:

The Legacy Application was primarily a Windows based, having three tier architectures with integrations to the external vendors. All application requests needed to go through firewall to meet the security requirements. Migrating this application to the cloud and meeting the latest enterprise-level security guidelines would require complete application modernization. The application also needed to have applicable CI/CD automation to meet the 90-day rehydration policy for all cloud resources.



Suggested Solution:

Matilda Cloud advocates Legacy Application Modernization with container support and lifecycle management. The solution suggested using the Matilda Discovery module to run a preliminary Assessment of the Application Infrastructure and Services needed to help design the target state environment. Matilda Discovery provides detailed application analysis in terms of End of Life, Dependencies and usage of Resources. Matilda Migrate module has the ability to automate the migration processes by analyzing Discovery output and generating Cloud Formation Templates for the target system. Matilda Migrate Templates successfully integrates with security tools of enterprise systems ensuring all the target deployments meet security and governance guidelines.

Challenges:

- To migrate the legacy application to the cloud in a hassle-free and secure way
- To carry out an evaluation of the current application and design a suitable target system
- To fully automate the application deployments and incorporate a dynamic workflow
- Ensure application meets scalability and performance requirements

Highlights:

- Matilda platform ensured all the foundation blocks were available and adhered to the security standard of AWS and Customers to migrate applications seamlessly
- Successfully migrated applications within the planned time & modernized the applications
- Matilda platform enabled the automation of all CI/CD deployment steps were to achieve zero-click rehydration process
- Properly designed and utilized various AWS services to meet application performance requirements
- Automated Cloud Formation Template generation aided seamless security process integration with Migration

Matilda capabilities:

- **Cloud Management:** Seamlessly migrate between clouds with our cloud-agnostic platform that creates and manages virtual resources in minutes.
- **Application/Service Management:** Automatically deploy a full solution stack using a workflow-driven self-service catalog that supports DevOps efficiencies.
- **Operations Management:** Monitor the environment to understand capacity demands and outages, proactively act when the alerts are received.
- **Container Management:** Enable legacy application modernization with Kubernetes container support and lifecycle management.
- **Cost Management:** Use analytics to understand cloud usage and cost and dynamically rebalance workloads across cloud providers.

End Result:

Application was successfully migrated to the cloud without any significant issues and deployment was carried out within the scheduled timelines. Matilda Cloud reduced the total time taken to deploy the application from weeks to matter of hours. The manual effort was decreased by more than 80% by automating the necessary processes. As a result, the application's performance is enhanced on the cloud.


Why Matilda Cloud?

In today's age of digital transformation, any company needs the ability to rapidly build and deploy new processes, features, and security enhancements. With a platform or customized automation, this journey can be challenging; hence, building full automation is the key to ensure initial, and ongoing success of the application deployment. Enterprises are curious to adopt substitute options to eliminate the hurdles in the process, but it could be challenging to find the right service provider to match the real-world requirement of application deployment. We, at Matilda Cloud, understand the required process and technology to move an application from on-premises into a cloud-based environment and empower businesses to reduce cloud migration time, and expense. We accelerate application delivery to launch new products and drive digital evolution through cutting-edge solutions.

Contact us for more information

 855-234-6627 | 972-525-2300

 info@matildacloud.com

 www.matildacloud.com

