



Seamless App Migration from PCF to Public Cloud Container Platform

Customer Information

Location: Dallas, TX
Industry: Telecom
Project Duration: 12 weeks

Business Requirement:

Customers objective was to accelerate the move of all workloads running in PCF to AWS and OCI efficiently and effectively.

PCF license renewal timeline was around the corner and it was a critical factor to migrate on time at scale with quality intact. Another key requirement was to ensure workloads running outside of PCF in Physical and Virtual machines and have dependency with the PCF workloads would also need to be part of the cut over.

All environments from DEV to Prod and DR are part of the Cloud strategy, planning and migration.

Customer wants to provide a complete Migration strategy, planning, prioritization, TCO analysis, Application dependency analysis. Customer would like to automate the migration execution adopting enterprise-level security guidelines.

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

Suggested Solution:

Matilda Cloud advocates legacy application modernization with container support and lifecycle management. The solution suggests using the Matilda Discovery module to run a preliminary assessment of the application infrastructure and service across data centers to provide a blueprint design for the target environment. Accelerated application deployment with Matilda Migrate to the cloud along with full support for release and orchestration features provided by Matilda Value Stream module to fix vulnerabilities is advised.

Challenges:

- Legacy applications with limited domain knowledge and security process
- Providing unified migration planning for all the legacy applications distributed across multiple regions.
- Identifying dependent applications, interfaces and right scale migration strategy for OCI and AWS.
- 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

Highlights:

Created a migration strategy and migration plan including generation of Wave Groups, Application groups based on multiple scenarios like complexity, technology, application, strategy.

Generated Application Dependency across data centers and generated visualization charts.

Generated Services and Infrastructure dependency mapping with complexity score for each node.

100% automated operations ensuring zero manual steps are involved for Day 2 operations

All applications are migrated to cloud within planned time

Reusable templates are automatically generated and can be leveraged for future migrations

All applications have fully built automated CI/CD pipeline with integrated Security and Governance controls

Automated configuration of Monitoring system like New Relic and Splunk and notification System

Matilda Cloud modules:



Matilda Discovery: Get an agentless 360-degree view of your applications—on-prem, hosted, and Cloud platforms—fully automated and in real-time.



Matilda Migrate: Migrate applications and existing workloads automatically to the environment of your choice in hours instead of days!



Matilda Value Stream: Map software value-flow and optimize your DevOps with value stream management to accelerate time-to-market.



Matilda Optimize: Understand Cloud usage and associated costs, and instantly optimize with an intelligent rebalancing of workloads.



Matilda AIOps: Leverage the AI Ops module to correlate, track, and automatically detect incidents in real-time.

End Result:

Legacy applications were successfully assessed with a complete enterprise level and application view. Assessment was done continuously for a period of 4 weeks at scheduled timelines. Matilda Cloud helped remove the guess work in migration planning and provided a complete strategy and plan for moving workloads optimally to Cloud.



Why Matilda Cloud?

Rapid Migration

The Matilda Cloud platform suite enables companies with high-risk legacy applications to realize real cost savings of hybrid public Cloud infrastructure in a shorter period.

Maintains or Enhances Service Levels in the Cloud

Our platform suite ensures that the service levels of high-risk legacy applications migrated to the Cloud either remain the same or perform at a better rate.

Monitoring and Remediation Capability for Hybrid Environments in Real-Time

Our platform suite delivers monitoring and remediation capability in real-time, which means service levels are monitored and maintained continually.

Contact us for more information

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