



Ease the Migration of Your On-Premises Applications to the Cloud with an Effective Strategy



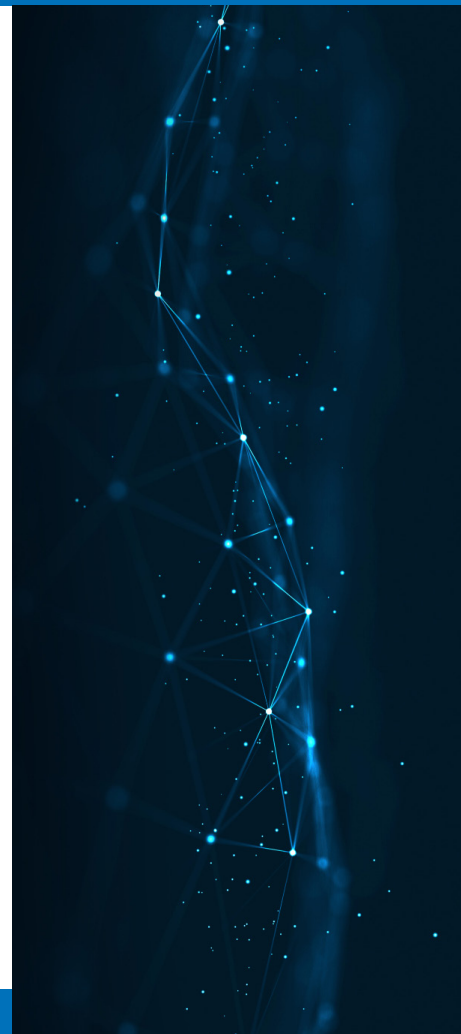
Client: A large distributors of electricity, based in Australia
Location: Australia
Industry: Energy
Duration: 10 Weeks



Challenges

The customer was seeking the best way forward to move their applications and workloads from on-premises to the Cloud. The combination of numerous data centers with legacy applications and the impending threat of different operating systems was confusing them. Add to that, the fact that many of their applications were neither getting service support or updates—the customer had a difficult road ahead of them.

The customer was facing numerous challenges due to their on-prem setup. They had many legacy Windows workloads—some of these were either at the end-of-support or at the end-of-service line. Their entire system was based on a mix of applications, and their IT team had minimal domain know-how. The customer had approached Matilda so that they could create the entire migration strategy, step-by-step plan, decide on priority tasks, the analysis of the total cost of ownership while keeping in mind the dependencies that applications may have with each other or other systems. The customer was seeking the way forward to automate the migration execution. The customer was keen to ensure that the entire plan would keep in mind the most advanced security and compliance guidelines. This problematic project would generally involve numerous manual tasks and could pose some dangers due to this. When it comes to assessing legacy applications, it is better to make it quick and, if possible, with automatic processes rather than manual efforts. The entire task would benefit from automation to decrease the applications' time-to-market while adhering to the planned timelines.



Some of the key challenges associated with this transformation were:

- Inherited outdated legacy systems and portion of the infrastructure with many unknowns; and the server hardware that supported them required replacement.
- Identified the applications that were on-premises within the infrastructure prior to the migration and then, designed a suitable target system.
- Provided a plan for migration that would be synchronized to include all the existing applications that were spread across numerous locations.
- Ensured that the existing applications were migrated to the Cloud without causing any stoppage in work and without compromising on security.
- Automated the application deployments completely and then incorporated them in a dynamic workflow.

How did Matilda help?

When the customer approached us with their requirement, our team at Matilda Cloud suggested that they should undertake the evaluation of their existing applications. This would be the first step after which they could modernize their older applications with container support and lifecycle management.

As per Matilda suggested plan, the client used the Matilda Discovery module to start with and carried out a first-level evaluation of the infrastructure on which their applications and services were based. These included two data centers. Once this was done, we then provided a blueprint design for the target environment.

- Enablement of a complete 360-degree visualization of production ready application environment on the AWS cloud.
- Matilda designed complete migration strategy that included the generation of Wave Groups and Application Groups. We based these on numerous possible scenarios that took into consideration by complexity, technology, application, and strategy.
- Matilda worked towards charting out the dependency of the various applications based out of the many data centers, followed by creating visualization charts.
- Matilda team also mapped the Dependencies of the client's Services and Infrastructure and aided the client with a complexity score for each node for better comprehensions purposes, at ease.
- Matilda team generated a report for sizing the compute and storages accurately, based on ARC with a projected savings of above 40%.
- Matilda also earmarked 28% end-of-life assets, which needed version uplift.
- Identified 45% application and database end-of-life services that required version uplift.
- Matilda conducted a total cost of ownership assessment to that included Cloud services for the overall level as well as at an individual application-level.

Business Value

- Matilda designed complete migration strategy that included the generation of Wave Groups and Application Groups. We based these on numerous possible scenarios that took into consideration by complexity, technology, application, and strategy.
- The client gained business value by Matilda's enablement of assessing and evaluating existing applications at a company-level as well as with an application view. The assessment period that continued over four weeks was as per the timelines agreed upon by the customer and Matilda.
- The client aided with seamless and a complete timeline-based guided step-by-step schedule. The strategy aimed to ensure that the moving of workloads to the Cloud happens impeccably.

Contact us for more information

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