Cloud Assessment of a major German Bank

Case Study

Situation

The client was a major German bank located in 50 different countries. Due to the wide geographical distribution of the individual locations, the bank's IT landscape was very complex, consisting of over 1.000 applications. Together with our system integrator partner and the Txture Cloud Transformation Platform the client aimed to assess all applications for the cloud readiness and disposition along their multi-cloud strategy. Their very ambitious goal is to have moved 80% of the current on premise IT landscape to the cloud within the next few years. Because of time and cost constraints the overall project time span for this assessment was limited to three months.

Objectives

Create transparency for the entire application and infrastructure landscape
The goal is to support decision making and improve quality and efficiency of identifying cloud migration candidates

Detailed assessment of cloud readiness, migration risk and cloud benefits
Four categories - application complexity, technical configuration, business perspective and data risk - were investigated in detail to better understand and argue strategic cloud decisions

Establishment of a transparent migration process and central knowledge base
Continuous progress tracking and reports should be available to the team and all relevant stakeholders to keep everyone in the loop and ensure transparent and efficient communication

Approach

To achieve the goal of understanding the application landscape and determine cloud readiness, a detailed application assessment was conducted following a three-level approach.

1. Data Collection
In the first step, available information was collected and consolidated to develop a consistent data basis in Txture. The platform offers several ways to connect existing data sources for data collection, for instance generic sources like text files, REST-API or user scripts, but also vendor specific sources such as on-premise hypervisors.

2. High-level Assessment
As a next step, the quality and quantity of the information used to analyze the application's cloud readiness and recommend migration strategies was improved by using Txture's survey and reporting capabilities. The consulting partner managed the data collection process and provided excellent support in the process of customizing and automating the data collection surveys within Txture to accelerate the assessment and ensure that a most accurate internal organization structure is reflected.

3. Detailed Assessment
Finally, a subset of applications was analyzed in detail to identify application-specific complexity drivers and qualitative, as well as quantitative cloud benefits. Based on previously defined assessment rules the Txture platform calculated scores that determine the cloud readiness, cloud benefit, migration risk and overall data completeness of each application. The consulting partner provided strong guidance in framing the assessment rules, cloud preferences and technical configurations to evaluate cloud readiness and provide hints on data completeness problems.

Finance Processing ✏️

Application Migration State
Assessment completed

Migration Strategy
Replatform ✓

Provider
Google Cloud ☁️ ✓

Close asset ⊗

Cloud Readiness Assessment

🖨 Print Assessment

Data Completeness **Medium**   Cloud Readiness 95 / 100   Cloud Benefit 47 / 100   Migration Risk 42 / 100

Recommendations

Migration Strategy **REPLATFORM**   Migration Timing **Medium term**   Landing Zone **Prefer private cloud**

Assessment Preferences   ❯ Edit Preferences

Manage your rule set, based on which your applications are assessed.

Make your selection

Migrate

| Rehost | Replatform | Repurchase | Refactor |

Other

| Retire | Retain |

Cloud Migration Timing

Medium Term ⌄   ✕

▶ Select

Project Results

The first phase of the project resulted in a consolidated and profound information basis to enable the client to make well informed cloud migration decisions. Data from the existing data sources and additional information collected from the surveys were consolidated by the Txture Cloud Transformation Platform within a matter of days. By using one central platform with survey capabilities, the data collection process resulted in huge time and resource savings for the client as compared to traditional data collection methods.

Based on this holistic information basis more than 900 applications were segmented by their 6R migration strategy and attributed application specific cloud migration metrics. Within the project time span of three months more than 500 applications have been put in scope for a migration to the cloud and more than 300 decommission or replacement candidates have been identified.

For the selected applications a detailed migration strategy recommendation was provided, including a cloud service provider validity check as reference for similar applications. Additionally, with the Txture platform cloud service provider specific migration blueprints for the most relevant cloud technologies were generated.

Based on the analysis results of Txture, the consulting partner together with the client was able to identify client-specific qualitative cloud migration complexity drivers and qualitative cloud benefits to calculate realistic migration effort and identify clear priorities.

Overall, the automated and standardized assessment process with the Txture Cloud Transformation Platform helped the client to speed up their cloud migration process and save resources by taking out the guesswork of application assessment and enabling profound cloud migration

Key Facts

🔍   16 existing data sources

🔗   > 1.600 applications consolidated

📍   > 900 applications assigned with migration strategy

☁️   > 500 applications identified for migration to cloud

🗑️   > 300 decommissioning or replacement candidates identified

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