Helping a client migrate from an On-Prem Analytic Platform to Cloud using Power BI

Our client is a consumer finance company specializing in providing a variety of personal loans, automobile loans, and retail merchant sales finance services. For a finance company one of the key parameters of success is the quality of their loan book. To analyse the quality of the lender, gauge the exposure and fix interest rates, the company had invested in analytics tools like Qlikview about 6-7 years back. To optimize the solution technically and commercially they were using a combination of tools like Pentaho, SSIS in conjunction with Qlikview.

With the availability of analytics with AI/ML capabilities, the ability to analyze both structured and unstructured data on the cloud and more cost effective pay-per-use model, the customer started evaluating options and finalized on Power BI on Azure.

The customer wanted us to help migrate the existing set of reports/dashboards on the earlier platforms to the cloud and then help build new functionality going forward.

Company Overview

Operating over 500 branches in 21 states with 425K+ customer count.

Climb to cure the goal of 10m customers by 2025

Customer serving the personal lending needs of customers

IT Environment

Multiple analytics applications

400 VMs, Windows & Linux

On-prem analytics tools

CHALLENGES

Lack of collaborating the static excels reports and making decisions.

Qlikview is an expensive solution to serve large number of users

High maintenance charge for using all these apps.

SOLUTIONS

Migrated existing on-prem application apps to Microsoft BI

Helped in architecting and commissioning of existing reports in Pentaho serving around 400+ branches, 20+ Qlikview.

Design and Development of the solution

IMPACT

Current solutions are being migrated from On-Prem to Azure Cloud.

The existing Qlik apps were modernized with higher performance.

Migrating to Power BI resulted in better utilization of advanced Analytical features

Case Study | Analytical Services

HELPING A CLIENT MIGRATE FROM AN ON-PREM ANALYTIC PLATFORM TO CLOUD USING POWER BI

CHALLENGES

- Disparate applications like Pentaho, SSIS and Qlikview were used to get the reports. Hence facing challenges in collaborating the static excel reports and making decisions.

- Qlikview is an expensive solution to serve large number of users.

- Limited utility and not scalable as it's not a cloud solution.

- High maintenance charge for using all these apps.

CHOOSING THE RIGHT SOLUTION AND MEETING THE DEADLINES

We defined and implemented a migration plan for the customer from existing On prem apps to Microsoft BI to ensure least amount of disruption in their running operations and achieve the customized reports for better decision making. We as a solution partner helped the customer in defining, architecting and commissioning of existing reports in Pentaho serving around 400+ branches. 20+ In conjunction with Data services team, we defined:

a. Architecture
   a. Architecture Design
      i. Development
      ii. Staging
      iii. Production
   b. Enterprise-wide architecting solution consisting of 1500+ users.
   c. Creation of Deployment pipelines.
b. Functional Requirements
   a. Meeting various departments for each app, gather requirements, pain points and wish list.
   b. Create BRD, technical documentation.

c. Review with Data services team, end users and approval.
d. Design and Development of the solution.
e. Trained internal users.

THE BENEFITS

- As an organization-wide requirement, all current solutions are being migrated from On-Prem to Azure Cloud. The Qlik apps are also set to migrate to the new Microsoft Power BI solution.

- The existing Qlik apps were modernized with higher performance, enhanced visualization and functionality, and certain redundant and unused features were removed in the new solution based on Power BI.

- Migrating to Power BI resulted in better utilization of advanced Analytical features, with availability of the reports and dashboards across all offices that resulted in better decision making for the stakeholders.

- In the roadmap is the plan to analyze unstructured data from different media to get even more insights to improve business decision making.