

Shift Your Time from Data Preparation to Data Analytics

Automation of data reconciliation is more desirable than ever for big-data Business Intelligence solutions

Overview

Automated data reconciliation across an entire organization is essential for data integrity. Self-service automated business intelligence approaches can reduce the number of errors and optimize the effort required to perform data integrity tasks. Comparing datasets is tedious and time-consuming, but a well-prepared business intelligence solution will ensure the accuracy, consistency, and completeness of the process and will give time back to business users to perform more productive activities.

Using advanced tools it is possible to store, generate and mine significant volumes of data and enable the business to make better data driven decisions.



The Challenge

Our client manages multiple financial databases which are utilized by multiple end-users and departments. The integrity of data, which includes the same invoice numbers, date, and amount across all databases is critical. In the past, these business units were individually reconciling invoices from multiple ERPs and dealing with an endless stream of inconsistencies. Our challenge was to prepare a single automated platform to help with:

- Automating the reconciliation process of accounts payable and receivable entries for auditing purposes. This would remove the need to manually identify records with discrepancies between multiple ERPs
- Prepare a dashboard to identify matching, non-matching and missing data entries with the ability to leave comments

Company Bio

North American Midstream and Utilities Company

- **1,500+ Employees**
- **Offices across the continent**

100%

Automated Reconciliation and Certification Tool

480

Manhours Saved Per Year



Full Utilization of Microsoft Power Platform

The Solution

Raven Bay used Power Platform abilities to meet customer requirements for an automated solution:

- Power BI was used for ETL and visualization as well as creating an online report for easy access, resulting in an automated solution with the ability to give detailed summaries
- Integration of PowerApps into the Power BI dashboard to provide a channel for user commenting and manual certification abilities
- Power Automate to refresh data for most up-to-date data reconciliation

The Results

Raven Bay's innovative approach using a Power Platform driven solution now performs the following tasks:

- Fully automated, user friendly and SOX compliant reporting which is available online to reconcile financial ledgers for non-matching and non-existing entries
- One platform for reconciliation, commenting, and certification of financial entries. On-demand Data refresh with the click of a button
- Record keeping of all comments on the secured SOX compliant SharePoint Online site without writing to the actual database

“This will change the way we do things around here and will open up a lot of opportunities in reducing a lot of time devoted to tedious tasks and focus on analyzing the data instead”

Business User