

Achieving Data Personalization Leveraging TekLink's Custom Security Solution based on Power BI and Power App



Business Objective

- Implement row level security in their Power BI dashboards which can replace their existing SAP Business Objects Explorer Solution.
- Develop an interface with data personalization capability alike the SAP Business Objects explorer's functionality.
- Restrict user access to ensure users (salesperson) can only view and access aggregated data for their regions only.
- Limit Business user's dependency on IT for user management, i.e. to add, delete and edit user access, to reduce time expended in raising tickets, queue and resolution.

Client

Our client is a leading electrical and electronic products manufacturer for residential construction, industrial and utility applications

Industry

Manufacturing and Logistics

Function

Sales and CRM

Technology

Power Apps, Power BI, SAP HANA

The Solution

TekLink experts provided a bi-phased resolution which included Advisory services and Technical development of the recommended solution.

- Maintain two version of dashboards:
 - A regular Power BI dashboard
 - A Power BI dashboard with integrated Power APPs
- Retain user mapping data (to the regions) in Excel uploaded on SharePoint
- Develop user-friendly interface using Power App to access the data maintained in Excel
- Embed Power App in Power BI dashboard to make it available for management by Business Users
- Design dynamic row level security such that once mapping file is connected/loaded, all the aggregates reflected to individual users are as per the mapping defined in Excel.

The technical team executed the development of the solution that was recommended. Thus Power BI is used to do the analysis of their sales data and the embedded Power App interface enabled the same dashboard to do the personalization (add, delete and edit user's data level access).



Outcomes and Benefits

The implementation of the above solution helped client to achieve the following benefits:

- Simplified interface and back end with cost as their data visualization and data personalization requirements was being met by Power BI (with Power Apps embedded) itself, replacing SAP Business Objects Explorer
- Easy and improved onboarding of new users with no ambiguity in aggregates from other regional sales data
- Improved data security for sales team users
- Eliminated Business's dependency on IT for user access management
- No additional investment for new tool