

Enterprise Intelligence Dashboard using Troux REST API

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Sponsor

In 2014, Costco became the 2nd largest retail chain in the world operating with over 600 warehouses in 9 countries. Costco strives to continually provide its members with quality goods and services at the lowest possible prices.

Information Problem

Costco produces a vast amount of data throughout the organization storing it in all sorts of applications and repositories. For enterprise information, data is stored in a central repository which allows and helps Costco to make business decisions. Costco manages more than 15,000 components in its enterprise repository and due to the application's generic reporting feature, business decisions are not made in real time.

Project Description

Costco uses Troux Technologies Cloud application to gather information about the company's capabilities, business functions, applications, projects, plans and programs. Such components and their relationships align business and operational processes to provide solutions in terms of Enterprise Architecture and Strategic Planning. The challenges are:

1. Troux Architecture is robust but rather complex.
2. Troux is compatible with only one browser, Internet Explorer.
3. Out of the box reporting is generic and custom report development is needed to answer Costco critical business questions.
4. Troux ReST API is still under development phase.

Solution

Design an enterprise intelligence dashboard using Troux ReST API that will serve as a self-service information portal for Costco Executives, Enterprise and Solution Architects. This solution will increase the utilization of Troux as an information asset and also maintain the flow of information among departments to create effective and meaningful reports.

Future Work

1. Develop the Troux ReST API according to Costco's specifications.
2. Once the dashboard is fully implemented, it will serve as a Solution Architect Self-Service and it will also provided information pertaining to Costco Executives.
3. A Natural Language Processing system with Voice Recognition has been considered for Report Retrieval.

