



**Industry:** Beverage, Food & Drinks

**Technology:** Power BI, Azure SQL, .NET Core Web API

**Country:** South Africa

## Client Profile:

The client is running a multinational drink and brewing company. It has a global functional management office in New York City and regional headquarters in Johannesburg, Sao Paulo, Mexico City, St. Louis, Bremen, etc. The company has approximately 630 beer brands in 150 countries across the globe.

## Challenges:

Previously, the client was managing the company data using Azure. But they were facing several issues while performing advanced analytics on their big data. The client reached us with a requirement to redevelop their data management system that has advanced analytics features. Our experts thoroughly analyzed the client's requirements and older system and found below listed challenges:

- The older system lacked the latest advanced analytics features
- The older system was unable to fetch data from Microsoft Azure and Excel files
- The previous system was also not competent enough to perform cleansing, filtering, and transformation in the staging layer
- The previous system faced hardships in inserting data into the SQL Data Warehouse staging layer

## Solution

- Our experts developed a dashboard that streamlined the client's data management activities
- We used the latest Power BI services by Microsoft for developing the dashboard
- The Power BI-enabled dashboard will help users in viewing reports across various platforms and devices
- The Power BI will help the dashboard in consolidating multiple data sources
- Using this dashboard, users can easily perform advanced analytics on a large volume of data with just a few clicks

- The use of Azure SQL Database eliminated the client's hardware as well as maintenance costs
- With the Azure SQL Database integration with the dashboard, users will get data in no time
- With the help of .NET Core Web API, our experts developed APIs that will support the dashboard in retrieving the data from Microsoft Azure Cloud.

## KCS Approach

Using the Power BI and Azure SQL Database, experts at KCS developed a powerful data management system for the clients. The system is capable of performing advanced analytics on big data within seconds. The use of Power BI helped the system in being user-friendly and the client can perform analytics simply by drag-and-drop functionality. The Azure SQL Database integration increased the speed of data retrieval. We developed APIs using .NET Core Web API that will help the system in retrieving the data from Microsoft Azure Cloud.

## Impact:

- Our solution to revamp the data management system created a huge impact on the client's business. The client has already rolled out the system within their business ecosystem and has shared positive reviews of the same
- Using this system, the client can fetch the Data from Microsoft Azure and Excel files
- Moreover, the client is now able to insert the data into SQL Data Warehouse Staging Layer
- They can also perform Cleansing, Filtering, Transformation in the Staging Layer
- Users from the client's business are now able to insert the Clean Data into Finish Data Layer at SQL Data Warehouse
- Using this dashboard, client can now see which VMs are not running, in which machines there are issues, etc.

## Tech Stack



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