

# Data Analytics

Client is one of the world's leading consumer goods companies

## CHALLENGE

- Scattered data across multiple systems and dependency on the existing legacy on-premises platform to manage data ingestion, quality and transformation
- Client wanted to use data as key enabler to derive business decisions and leverage newer technologies (Cloud) to enable faster predictions to business for timely actions

## SOLUTION

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| <ul style="list-style-type: none"> <li>▪ Designed a data landscape on Azure and moved into Azure cloud solution to provide higher performance and better maintenance</li> </ul> | <ul style="list-style-type: none"> <li>▪ Remodeled &amp; re-architected the on-premises system with a unified data lake on Azure platform</li> </ul> | <ul style="list-style-type: none"> <li>▪ Developed and deployed unified framework on data ingestion, quality, and transformation on Azure cloud</li> </ul> | <ul style="list-style-type: none"> <li>▪ Developed appropriate machine learning algorithm using Azure ML to generate predictive insights seamlessly</li> </ul> | <p><b>Technology</b></p> <ul style="list-style-type: none"> <li>▪ PySpark, Python, Scala</li> <li>▪ Azure (ADF &amp; Databricks, Blob storage, AZURE DB and Azure Devops)</li> <li>▪ SQL DB</li> <li>▪ Alteryx</li> </ul> |
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## RESULTS

- End-to-end automation on Azure cloud and significant performance benefits
- **40%** effort reduction with seamless delivery of different projects across platform with high throughput
- Enhanced scalability and availability of platforms
- Centralized monitoring of different applications & efficient handover to support team
- Achieved consistent platform performance
- Ease of technology management and reduced dependency on internal infrastructure teams with Azure Managed Service

Client chose ITC Infotech to enable unified data technology landscape for efficient business analytics, high scalability, and enhanced performance. The optimized cloud solution needed to provide a single source of truth to manage redundancies and reduce internal IT efforts.

Effort reduction: **40%**

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