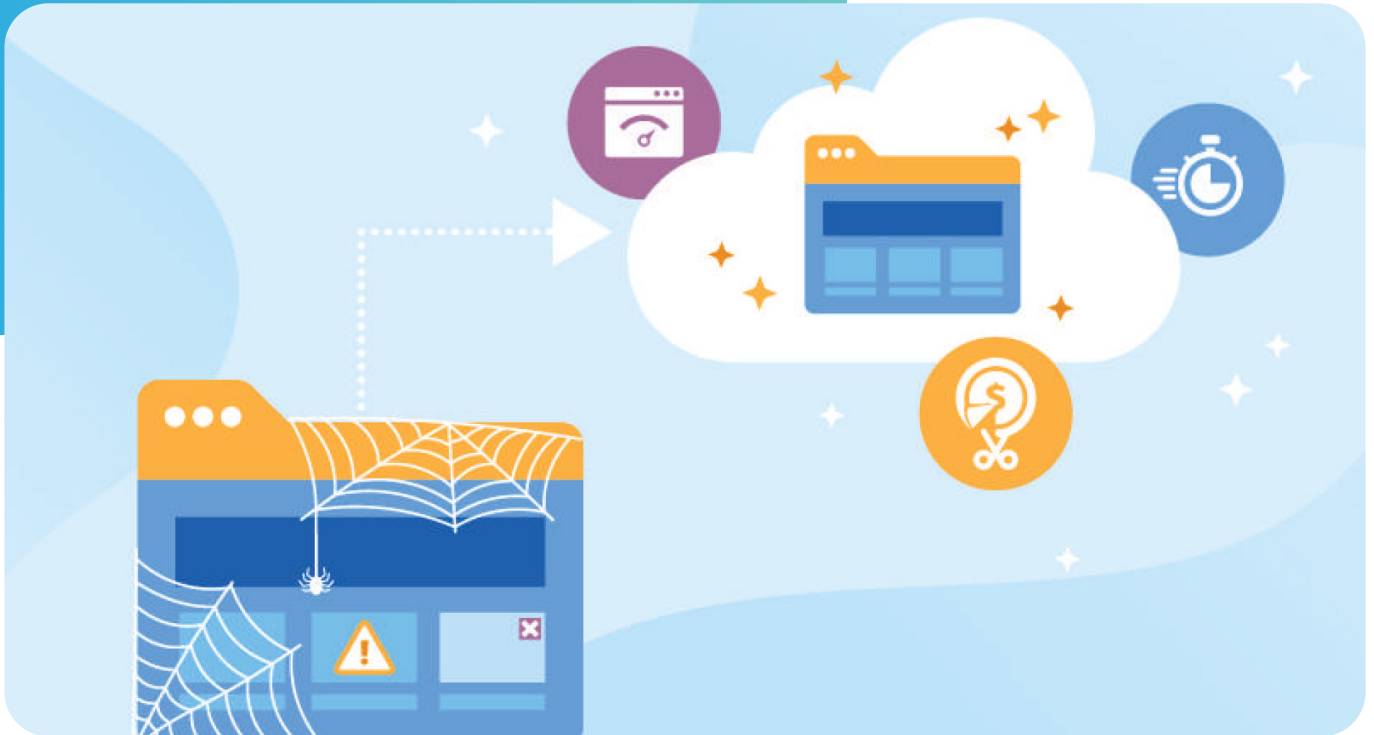# LEGACY .NET APPLICATION MIGRATION TO MENDIX

PROJECT OVERVIEW

Indium developed a solution which helped the client to migrate their legacy sales & service .Net application to the Mendix low code platform. The application is used by all the Sales Managers, Technicians, Service Admins across countries that helped to maintain the sales and service information of Equipment, Parts and Buildings.

CLIENT DOMAIN

Manufacturing

SOLUTION DELIVERED

Low Code App Development

KEY HIGHLIGHTS

- 50% improvement in process time Self-service capabilities through BI Publisher

- Multi-lingual setup across 12 languages & 30 countries

ABOUT CLIENT

The client is a leading manufacturer of Industry-grade equipment like central heaters, air conditioners, electric vehicles, air cleaners, fluid handling products, and more, servicing customers across the globe.

BUSINESS REQUIREMENTS

- Generate dynamic templates for each country specific to their sales and service setup.
- Ability to manage and maintain the large volumes of data generated.
- Secure and efficient storage of customer - specific data.
- Data import via Excel from the legacy applications.

SOLUTION HIGHLIGHTS

- Utilized ElasticSearch to retrieve the large data volume and improve its performance. The data was stored in Mendix Installed-base. Each time data is saved, or updated, it will be transmitted to AWS ElasticSearch and stored as a searchable document.
- Utilized AWS S3 module from Mendix App Store to communicate and transmit data between S3 and Mendix.
- Created a service configuration module to store the end point and resources details to execute API calls dynamically in the application. Services are stored as key-value pair and each module service has a unique name to get the API details when executing REST API calls. This ensures seamlessly maintenance of the API configurations in the App.
- Integrated BIPublisher for templates which are generated dynamically with an internally configured XML in OAC (Oracle Analytics).
- Implemented JavaScript to handle the number of object creations, to overcome the performance issues in Mendix default widget components.

BUSINESS IMPACT

- Nearly 50% improvement in process time by migrating from legacy applications to Mendix.
- Multi-lingual capabilities for users across 12 different languages & 30 different countries.
- Self-service capabilities for the end user through the configuration of BIPublisher.

TECH STACK

mendix

PostgreSQL

Amazon S3

Amazon API Gateway

amazon Elasticsearch Service

ORACLE BI Publisher

ABOUT INDIUM

Indium Software is a fast-growing Digital Engineering company, focused on building modern solutions across Applications, Data, and Gaming for its clients. With deep expertise in next-gen offerings combining data and applications, Indium offers a wide range of services including Product Engineering, Low-Code development, Data Engineering, Ai/ML, Digital Assurance, and end-to-end Gaming services.

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