



## AS400 Integration with Mule ESB

*We help clients adopt technologies that  
make their business better!*

### Client Summary

- Client is based out of Richmond, Virginia involved in full service freight transportation has 160000 employees, 30,000 trailers
- Their annual turnover is US\$ 5 billion and employees over 10,000 people

## **Executive Summary:**

This project is to streamline the multi-technology integration process and track the audit of data transfer.

## **Problem Statement:**

- The AS400 applications are integrated with third-party applications. Those applications are rapidly integrated without the standards.
- It increases the load in AS400 servers and applications to handle the user request.

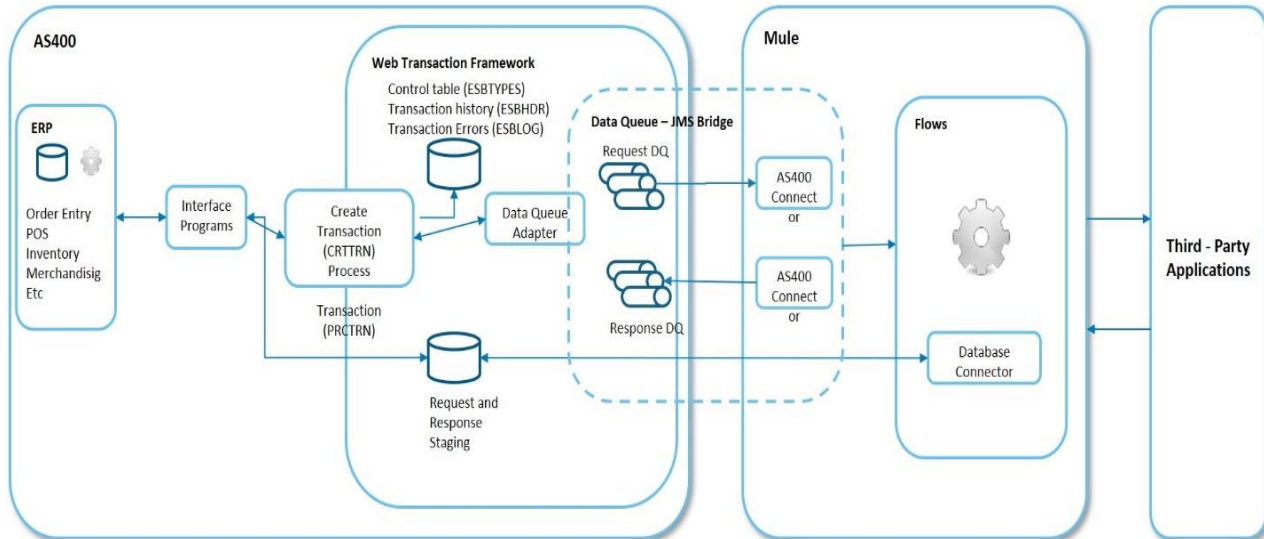
## **Solution:**

- The higher-level architecture for the AS400 - Mule interface consists of three parts:
- AS400 application trigger event - The business flow present in the AS400 application would trigger the event to transform data through Mule into the third-party application.
- Transaction interface - The interface with Mule would be at a transaction level with control data indicating the type of transaction
- Data Queues indexed by the transaction number would act as a trigger to indicate a transaction is available for pickup/delivery.
- Customized staging tables would store the data for each transaction type for Mule to refer.
- Mule - Mule will act as a carrier to pick up transactions, send the data, receive the response and relay back the information to the triggering application.

## **Business Benefits:**

- No business rules would be present in the Mule layer – the rules will be handled in the triggering and the receiving applications.
- A sequential transaction number would be the key for all three systems involved – this enables the same Business logic to be re-triggered if required.

- Intermediate staging tables and Data Queues will be used for Mule to refer to – thus not impacting the Master database and speeding up the time taken for a transaction to be completed.



**To know more about our IT services and solutions:**

Reach us at +1-614-333-5277

[sales@srinsofftech.com](mailto:sales@srinsofftech.com)

[www.srinsofftech.com](http://www.srinsofftech.com)