

# Connecting Partners' Applications with Product Platform of a Leading Tech Company for Real-time, Secure Data Access



## Client

Client is an American multinational technology conglomerate that develops, manufactures and sells networking hardware, telecommunications equipment and other high-technology services and products.

## Business Needs

Client had a need to allow their fulfillment partners (FedEx, DHL, USPS etc.) to integrate their custom applications with CISCO's Product platform and Oracle ERP efficiently in a secure way.

## Project Highlights

**Technologies:** MuleSoft AnyPoint Studio, RAML, MuleSoft Partner Manager, Mule API Gateway, Java, Oracle ERP, REST API

**Team size:** 5

**Duration:** 6 months

## Trantor Solution

Trantor designed reusable flows in MuleSoft to enable the Client's partners to gain secure and real-time access to data from its product platform.

## Business Benefits

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**2x** platform performance enhancement

**Real-time** data access

**10%** Reduction in IT overhead

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*“To address our key challenges Trantor brought not just MuleSoft expertise but intelligence too. This is a rare combination. They are our ‘go to’ team for all tech requirements.”*

- VP, Technology

## The Problem

- MuleSoft integration platform was required to be consumed by multiple partners using different protocols and the requirement was to invoke these flows on demand at runtime based on partner scenarios.
- Need was to develop a reusable template that can be used by various partners (current and future partners).
- OOB DB connector of MuleSoft did not support returning custom objects.

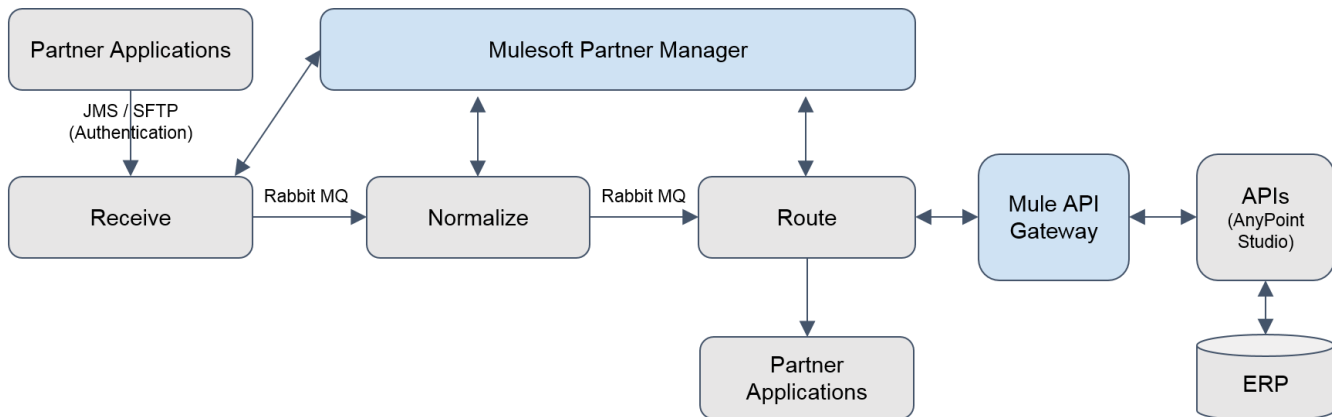
## The Trantor Approach

Trantor understood the client’s problem and its business implications. The goal was not only to solve the problem at hand but to make the solution scalable, robust and user-friendly.

## The Solution

Trantor designed dynamic flows in MuleSoft to enable the Client’s partners to access data from its CISCO product platform. Authentications were built using JMS and API gateway policies for partner applications to access data using different flows. Following are the key highlights of our solution:

- We developed a template having different logical flows based on partner needs. This template was parsed on demand and the flows were created dynamically. The flows were killed once their process were completed to ensure optimum utilization of memory.
- Custom DB connector was developed using MuleSoft DevKit (Java) as the OOB 3.7.3 DB connector did not allow returning the custom objects from database.
- Developed custom APIs with different contracts for consumption of those APIs.
- Developed custom authentication policies in MuleSoft API Gateway for providing authenticated access to APIs.



## The Benefits

- Efficient and secured access of Client’s data to partners’ applications
- Employment of exception strategies to detect errors in real time, leading to a faster implementation turnaround
- Real time data availability for Partners without manual steps
- Use of Dynamic flows instead of static flows resulted in less post production support needs

## About Trantor

Trantor delivers innovative technology solutions, which enable our clients to achieve their business objectives at reduced cost. With expertise in both Cloud-based and traditional applications, we understand all aspects and challenges of software development from product and feature definition to core product development and QA, deployment, and ongoing maintenance. Our deep experience in fintech, ecommerce, captive centers, and custom software development is unparalleled.

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