Case Study

gslab

Simplifying end user integration for a global payment processing platform

A leading payments processor empowers their end users to integrate their products and services seamlessly using MuleSoft Anypoint

Executive Summary

Our customer offers a mobile and web-based payment processing platform for global e-commerce companies. Many of their customers use MuleSoft Anypoint Platform for integration. Our customer wanted to develop a connector for MuleSoft Anypoint which could perform a variety of transactions without getting into nitty-gritties of their platform's APIs and SDKs. With deep understanding of the MuleSoft ecosystem and experience in developing connectors for Anypoint, GS Lab built a MuleSoft certified payment connector which supports various payment operations of the customer.

Overview

Our customer has a full stack payments platform which allows their customers to accept payments through various modes on their apps or websites. This platform eliminates the traditional requirement of having a separate payment gateway and a merchant account from different providers. It gives users a single touch payment option for accepting payments.

Many of customer's end users were using MuleSoft's AnyPoint platform for integration. Our customer wanted to provide end users with a connector that would allow them to use Anypoint platform without using platform APIs and SDKs.

Challenge

Before the connector was developed, our customers end users had to write custom code to process the transactions. This extended integration challenges for their payment partners due to dependencies on language-specific APIs and SDKs. It not only increased the integration time but also increased the customization required on the platform. To simplify the process for their end users, our customer wanted to build a connector for Mulesoft Anypoint.

The Mulesoft Anypoint connector had to:
- Perform a majority of the transactions on the server.
- Perform different payment operations like authentication and customer management.
- Integrate seamlessly.
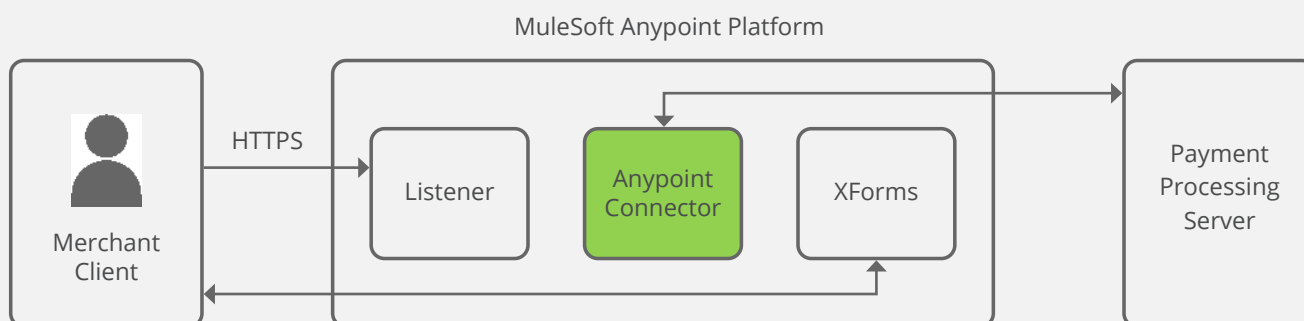- Support existing operations without disruption.

Solution

GS Lab is MuleSoft's connector development partner and has expertise in designing connectors for the Anypoint Platform. We leveraged this experience to design and develop Anypoint Connector which supported various operations, payment methods and transactions.

Solution Implemented

The connector was developed using the Mulesoft SDK. We adopted a 'no-code approach' to accommodate operations enabled by their language-specific SDKs. This allowed the customer to easily create use-cases using Mule flows without having to understand the APIs and SDKs workflows. This method saved a lot of time and resources for the customer. The connector was then certified by the MuleSoft team and published it on Anypoint Exchange.

Features

- The connector offers various operational parameters & configuration values.
- It supports server operations.
- It offers DataSense support for MuleSoft developers to quickly understand expected inputs & outputs for each operation.
- It offers detailed documentation with sample applications to understand the operations and configurations.

MuleSoft Anypoint Platform

Merchant Client

HTTPS

Listener

Anypoint Connector

XForms

Payment Processing Server

Solution architecture

Impact

**Secure
transactions**

**Seamless
integration**

**MuleSoft
certified**

- **Secure Payment Transaction -** The connector securely communicates with the payment processing servers using the same security level provided by payment services.
- **Seamless Integration -** The connector offers easy options for MuleSoft customers to integrate their products with payment processing services.
- **No code Design -** The 'no code' design approach enables customers to implement different use-cases with greater ease and speed.
- **Connector Certification -** The connector is certified by MuleSoft. Detailed documentation and Datasense support is available for the connector.

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