

Seamless Automation Management with MuleSoft Anypoint Connector for RPA Platform

Of a Leading RPA Software Company

Client Overview

The client is a global RPA (Robotic Process Automation) software company dedicated to enabling the Fully Automated Enterprise, that would deliver unlimited growth opportunities. They offer an end-to-end platform for automation, combining their leading RPA solution with a full suite of capabilities and technologies like AI, Process Mining, and Cloud for the rapid scaling of digital business operations.

The Business Situation

The client's RPA platform is very well-known and is widely used by enterprises across the globe. It helps replace manual digital processes in day-to-day work with automated scripts/software robots. The client wanted to empower their large number of onboarded customers with functionalities such as management of automation jobs configured on their platform, the scheduling of start jobs, and checking of statuses from MuleSoft Anypoint workflows. The client wanted to develop a connector that would help trigger and manage such automation as part of the larger processes of Enterprise Application Integrations (EAI) and also help extend the Anypoint platform's capabilities into their RPA platform. In short, they wanted a quick and easy solution to integrate their platform with the MuleSoft Anypoint

Challenges

- Absence of functionality for customers to manage their automation jobs from MuleSoft Anypoint Platform
- Immediate need for RPA platform connector to enable this from MuleSoft Anypoint workflows

Technical Challenges

After a detailed assessment, the team decided to use the REST SDK for connector development but was faced with several challenges since the REST SDK was very new and had some limitations.

Type of Service Provided

MuleSoft Connector Development, Anypoint Platform, MuleSoft REST SDK

The Solution

GS Lab | GAVS is an approved MuleSoft connector developer partner and has rich expertise and experience building and managing connectors using Java SDK as well as the newly introduced REST SDK for the Anypoint Platform. The team did a thorough analysis of the business challenges and desired outcomes and evaluated both the SDKs for suitability. Since the RPA platform had multiple available APIs that supported a connector build using REST SDK, the team finalized the same.

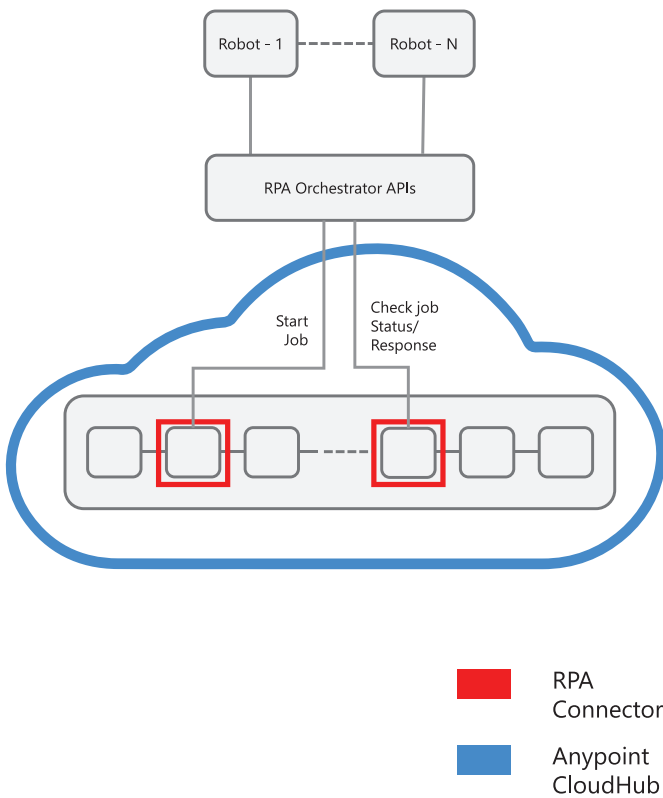
GS Lab | GAVS took complete ownership of the connector design, development, testing, documentation, and MuleSoft certification process. The team overcame the challenges with REST SDK and successfully delivered the certified connector that extended the capabilities of the RPA platform by making it easier to run digital automation as part of EAI. The connector enabled the following:

- Operations like getting processes, job queue items, job list, job status, starting and managing jobs on the RPA platform
- Executing RPA jobs as part of EAI from Anypoint Mule flows
- A generic operation that allowed performing any operation supported by the RPA platform

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Solution Highlights

- Thorough assessment based on existing APIs and use cases to provide all required functionality on the Anypoint Platform
- Rapid development of high-quality MuleSoft certified connector that can be used by any MuleSoft Enterprise customer
- Exploration and identification of all potential integrations and use cases using the RPA and Anypoint platforms

Solution Outcomes

- End-to-end automation of Enterprise Application Integrations
- Easy option for MuleSoft customers to include RPA jobs as part of their integration solutions
- Availability of the best of both worlds – RPA and iPaaS (Integration Platform as a Service)
- Reduced cost of ownership and faster time to market