



MuleSoft RPA

(Robotic Process Automation)

WHITEPAPER

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Overview

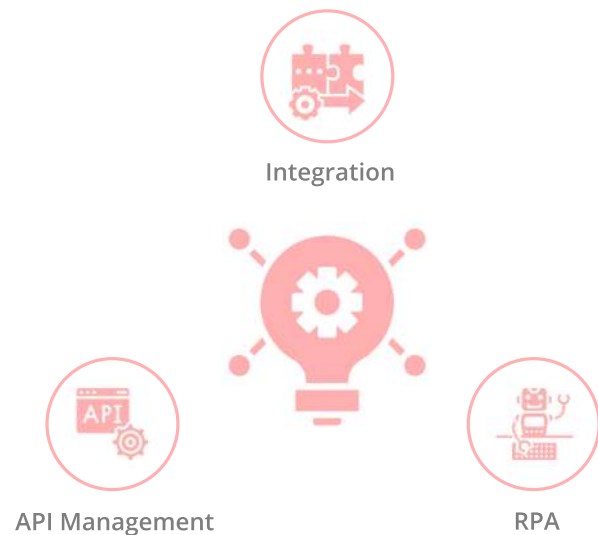
Robotic process automation (RPA) ascribes to a software technology designed around automation and robotics. It involves the use of software technologies to create robots or 'bots' powerful enough to mimic employees' digital actions. Unlike employees, RPA bots work around the clock and tend to be faster and more reliable and precise than employee's desktop actions. MuleSoft's RPA is best suited for repetitive and time-consuming tasks linked to human interactions with an interface, especially since digital processing functions benefits from RPA bot's repetitiousness. RPA software bots provide a way for businesses to automate repetitive tasks.

MuleSoft created MuleSoft RPA by acquiring Servicetrace, a leading provider of RPA. It is considered a software technology best-suited for customers interested in creating a unified platform for their repetitive business tasks or processes. The robotic repetitiousness of MuleSoft RPA bots make this possible.

About MuleSoft RPA – How it Works

Like other RPAs, MuleSoft RPA employs business logic and structured inputs when performing automated business processes. It brings together APIs, integration, and automation. It enables a business to perform transaction processing, data manipulation, trigger responses, and trigger

communication with digital systems using applications. MuleSoft RPA bots work replace repetitive tasks work for any system or application, ranging from spreadsheets and PDF documents to disconnected legacy systems.



A wide range of scenarios applies MuleSoft RPA bots, including simple tasks like generating automatic responses to e-mails and complicated tasks like task and process automation with ERP systems. Other tasks include intelligently entering data and processing documents. These tasks are performed with 100% reliability and precision.

RPA bots speed up workflows for businesses by taking advantage of robotic repetitiousness

Largely, businesses choose to automate repetitive and arduous business processes or tasks with RPA bots to allow humans to focus on more important tasks that require judgment, emotional intelligence, and reasoning that RPA bots lack. RPA bots speed up workflows for businesses by taking advantage of robotic repetitiousness

Basic MuleSoft RPA Functions

MuleSoft RPA scraps screens or the web for data that is then organized for future use using algorithms that are designed to work at nearly any task in multiple contexts. Automated data extraction, data entry, and processing make the use of RPA bots a worthwhile approach to data-driven decision-making.



Moving folders & files



Email interaction



Preparing, manipulating, merging data



Logging in/out from apps



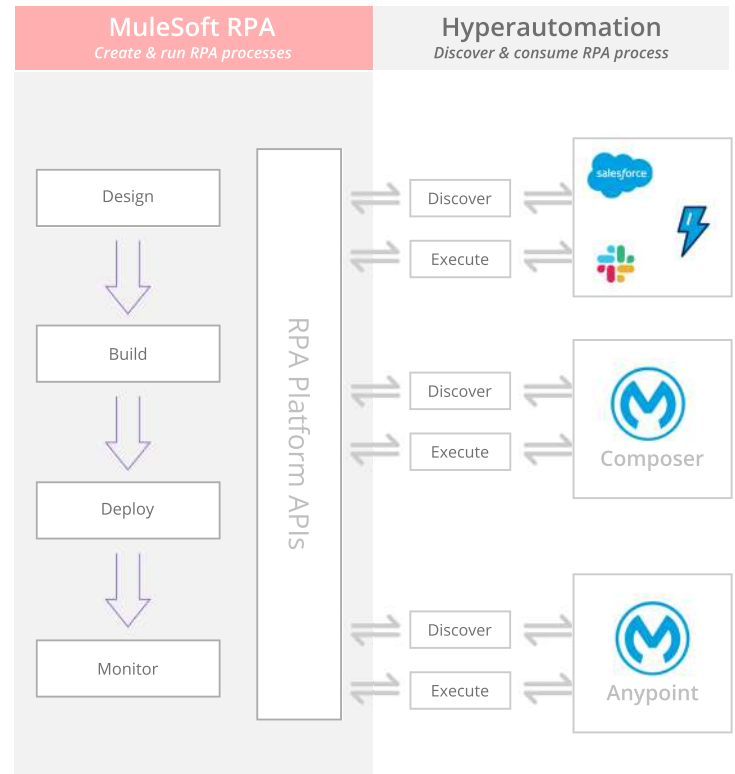
Filling out forms



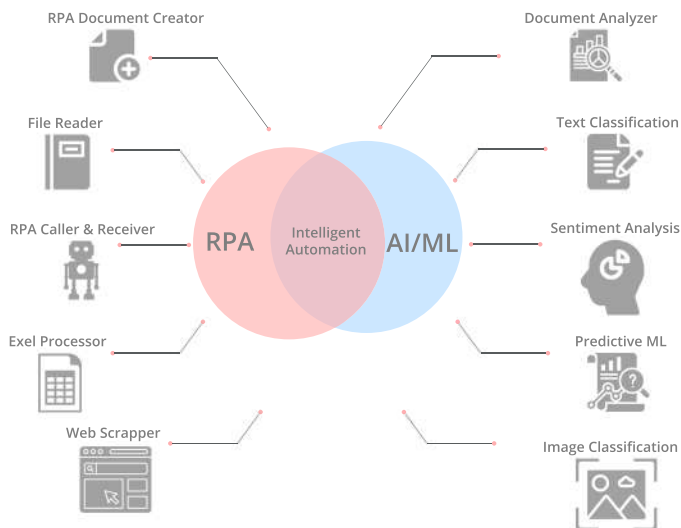
Remote desktop

RPA bots speed up workflows for businesses by taking advantage of robotic repetitiousness

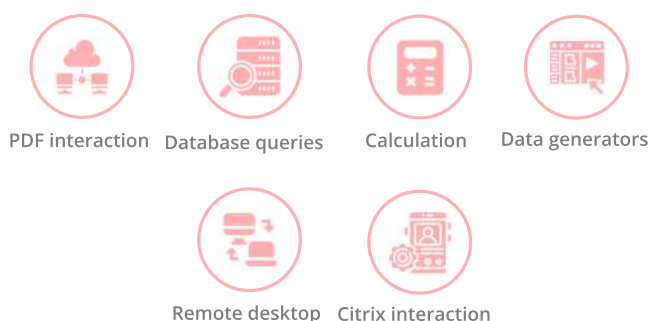
Programmable templates that are tailored to perform specific functions or click-based tasks can be used to allow users to deal with honed processes. Businesses can benefit from the MuleSoft RPA bot's capability to perform specific actions using programmable templates without having to invest in developing the programs needed to run the bots.



MuleSoft RPA broaden the scale of automation. Scalable as well as reusable corporate functions can benefit from MuleSoft RPA bots that integrates AI and machine learning (ML), which is the essence of hyperautomation (shown above). AI- and ML-enabled MuleSoft RPA bots can be used by large corporations to manage a broad spectrum of new processes by predicting and actuating new processes based on lessons from past actions.



A majority of large enterprises are expected to adhere to industry-specific rules and regulations, and it is imperative to note that industry-specific programming achieved using RPA allows compliance with these dictates. RPA can automate foundational works associated with internal processes like data generation and database queries to conform to industry-specific rules and regulations. Improving compliance is critical to preventing the costs that come with noncompliance.



Common MuleSoft RPA Use Cases

MuleSoft RPA is used across many industries to complete a wide range of tasks, especially tasks linked to repetitive business processes. Common use cases of RPA encompass tedious and manual tasks associated with business functions and

roles and business units in a wide range of industries, such as healthcare, insurance, and banking.

Industries already engaged with RPA treat it as an indispensable component of data management activities.

1. RPA in Healthcare

There are many application in which Robotic Process Automation(RPA) can help healthcare organizations increase operational efficiency, lower costs and limit the possibility of human error when processing information including:



Healthcare is a rule-based industry by design, which makes it the most suitable industry for MuleSoft RPA. This is attributed to how healthcare practices are repetitive in nature, as dictated by the global medical communities like the International Classification of Diseases. Considering how RPA can perform repetitive tasks with 100% reliability and precision, it can save healthcare organizations time and money. Processes around inquiries are abundant in healthcare and can be automated using RPA bots, such as chatbots that answer customers' inquiries based on existing or data extracted from multiple sources. Reduced response time improves the customer experience.

2. RPA in Finance

MuleSoft RPA is most useful in finance organizations that perform repeatable tasks that are highly regulated. Companies in the industry are faced with accuracy and compliance challenges that arise from several threats in different business environments and the heavily regulated nature of the industry. RPA design and implementation can allow data extraction, data entry, and processing across multiple financial processes, which reduces the risk of enterprise-wide noncompliance.

Part of financial management systems used by modern organizations involves rethinking repeatable value-driving tasks to consistently maximize profits while driving down costs. Programming ensures every transaction is compliant with new and existing laws and regulations. The resulting documentation tends to be consistently accurate and reliable when RPA is integrated into an organization's finance function.

3. RPA in Manufacturing

RPA is ranked a key enabler of processing automation in the manufacturing industry. It has an immense capability to optimize agility, speed, and quality and improve the core manufacturing operations. Although MuleSoft RPA bots are not new in this industry, they solve manufacturing challenges for nearly every manufacturer by speeding and increasing the efficiency of billable processes. Major manufacturers have reported up to a 20% reduction in the cost of manufacturing when RPA is integrated into core processes.

86% need to save time when conducting regular finance processes

4. RPA in Energy & Utilities

Companies in the utilities sector can use RPA to reduce the number of employees required to manage billing. Seamless integration reduces errors and the time of validation, besides error detection. Automation of these processes reduces the risk of errors that are common in manual processes, including reducing workload and boosting employee morale. Programmable validators ensure compliance with established requirements and a variety of laws and regulations in the industry.

MuleSoft RPA is expected to transform how companies in the utilities sector will manage compliance with existing and new laws and regulations through easily programmable bots. Tedious processes can be simplified and optimized through the integration of RPA while significantly increasing process efficiency. Companies in the industry stand to benefit significantly from RPA's potential to enhance the functioning of the current computer systems.

5. RPA in Retail

Digital transformation is critical to success in the retail industry. It is considered the most disruptive industry, and MuleSoft RPA has made disruption more dominant in this increasingly competitive industry. This technology is used to perform high-volume IT functions. System-wide integration of RPA promises to enhance retailers' financial management and transparency capacities. It improves the shop floor and augments human resource management activities. In a recent report, 77% of multinational corporations believe that automation through RPA integration is critical to digital transformation.

Benefits of MuleSoft RPA

A company in virtually every industry can implement MuleSoft RPA in order to enjoy the benefits of a bot's repetitiousness, especially when managing tiresome and time-consuming tasks. A company that implements RPA stands to enjoy benefits like:

- » Greater productivity by accelerating workflows while making to execute repetitive and intensive processes in sectors like insurance and financial services.
- » Greater accuracy is attributed to an enhanced ability to guarantee compliance with strict standards, besides reducing the time wasted with rework due to human errors.
- » Ease of integration across platforms makes RPA appropriate because a business does not have to replace existing computing systems, particularly due to the elimination of technology siloes and seamless integration of software tools.
- » Companies can harness the power of RPA to enhance customer experiences, such as by deploying bots to address their inquiries and process their transactions faster and with greater accuracy and precision.
- » RPA can be combined with artificial intelligence (AI) to create more intelligent automation systems that make processes like invoice processing easier and more accurate.
- » Fast return on investment (ROI) is common in industries with zero tolerance for errors, such as the healthcare industry, by executing compliant processes repetitively.

- » High-volume business processes are possible with RPA because it can handle both planned and unplanned workloads.

Additional Benefits:

- » Speedy and accurate document generation
- » Payroll processing
- » Employee onboarding
- » Resume and candidate verification
- » Expense management
- » User configurations.



Scalability & Flexibility



Accuracy & Quality



Productivity & Efficiency



Advance Analytics & Security



Cost Saving

RPA bots speed up workflows for businesses by taking advantage of robotic repetitiousness

MuleSoft RPA Adoption Challenges

» Employee Resistance

Greater productivity by accelerating workflows while making to execute repetitive and intensive processes in sectors like insurance and financial services.

» Lacks intelligent capabilities

RPA bots lack judgment, emotional intelligence, and reasoning capabilities that human beings possess. This software technology only performs activities that do not require intelligent capabilities.

» Lack of RPA implementation teams

Most businesses lack effectively structured teams that would oversee RPA implementation. Lack of a properly structured team is an issue that arises due to insufficient knowledge about RPA bots.

» Project complexity

Coupled with the lack of properly structured teams, RPA projects can be quite complex and tend to have a relatively higher rate of failure before the benefits are realized. Complexity can also be exacerbated by technical and operational issues.

judgment, emotional intelligence, and reasoning that RPA bots lack. Basic RPA functions encompass automated data extraction, data entry, and processing; programmable templates can be tailored to perform specific functions and can be used to allow users to deal with honed processes; ML-enabled RPA bots like MuleSoft RPA bots can be used by large corporations to manage a broad spectrum of new processes; and improving compliance is critical to preventing the costs that come with non-compliance.

Common use cases of MuleSoft RPA bots encompass automating tedious and manual tasks associated with business functions and roles, and business units in a wide range of industries, such as healthcare, insurance, and banking. Notwithstanding challenges linked to lack of intelligence, employee resistance, and project complexity, RPA can be used to automate tedious and manual tasks associated with business functions and roles, and business units in a wide range of industries, such as healthcare, insurance, and banking. Notable benefits of RPA integration include improved productivity, accuracy, and lower costs. Companies trying to adopt RPA should consider training employees, managing change (communicating a clear vision), and engaging employees throughout the implementation process.

Summary & Recommendations


RPA involves the use of software technologies to create robots or 'bots' powerful enough to mimic employees' digital actions. MuleSoft RPA bots are considered appropriate for businesses that choose to automate repetitive and arduous business processes or tasks with bots to allow humans to focus on more important tasks that require

Basic RPA functions encompass automated data extraction, data entry, and processing; programmable templates can be tailored to perform specific functions and can be used to allow users to deal with honed processes

While MuleSoft makes it easy to unlock and integrate data from anywhere, with RPA, it will be incredibly easy for the line of business and knowledge workers to automate business processes and dramatically increase efficiency and speed.

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