

What is Robotic Process Automation (RPA)?

Robotic Process Automation (RPA) technology creates digital factories to automate and integrate any repetitive administrative task in order to take the mundane out of work.

"RPA is the application of technology that automates administrative task workflows and processes using software bots."

FORRESTER TECHRADAR

Automation Technologies, Robotics,
And AI In The Workforce
Q2 2017

RPA reduces labor-intensive processes by simulating human effort to complete tasks, thereby boosting the capabilities of companies that perform high-volume transactional processes. Operating non-invasively on the surface (UI layer) without compromising the underlying IT infrastructure, RPA bridges the technology gap between fragmented, semi-structured legacy systems.

Why Robotic Process Automation (RPA)?

Today's companies automate their time consuming, repetitive human tasks and replace them with RPA. What gets replaced?

- Logging in to applications
- Filling out forms
- Extracting structured data from sources
- Merging data from multiple sources
- Reformatting data for reports or dashboards
- Copying and pasting data
- Reading and writing to databases
- Connecting to system APIs
- Opening emails and attachments
- Moving files and folders
- Scraping data from the web
- Applying "if/then" decisions and rules
- Performing calculations

Harnessing RPA's capabilities to handle these mundane processes provides benefits such as:

- **Accelerated time to value:** Create, test, and deliver new automated processes in days or weeks.
- **Reduced human error:** Eliminate copy/paste mistakes introduced by workarounds and manual data entry.
- **Decreased costs:** Build automated processes quickly using simple record/playback functions.
- **Increased productivity:** Complete tasks in minutes or seconds, even after work hours.

How Does Robotic Process Automation (RPA) Work?

RPA has three functional components:

1. Business process management (process) for designing and/or recording automated processes
2. Software robot (bot) for interacting with business apps and executing automated processes
3. Robot controller (orchestrator) for scheduling, remote control, monitoring, and asset management

In a typical flow, a process specifies detailed instructions for bots to perform, and bots are "published" to the repository of the orchestrator. Each bot is then loaded on a client environment, which may be virtualized or physical, where it interacts directly with business applications. The orchestrator assigns jobs to the bots and monitors their activities, while users review and resolve any exceptions or escalations found in the process.

Solution Flyer

What is Robotic Process Automation (RPA)?

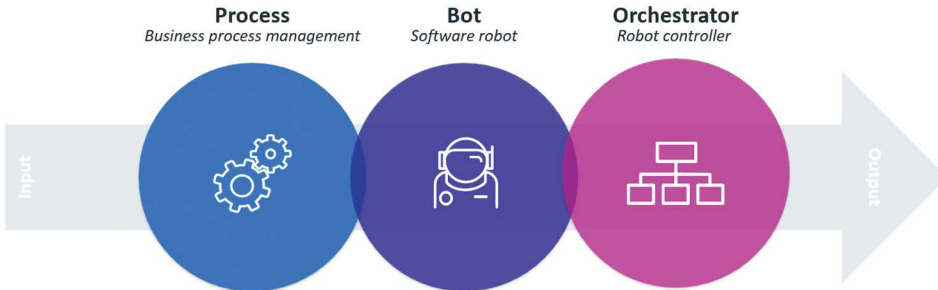


Figure 1. Designing, executing, and controlling the inputs and outputs of RPA flows

How Micro Focus Delivers RPA

Micro Focus® test automation solutions offer tools that allow companies to easily create bots to automate rule-driven business processes. Integrated with Micro Focus Operations Orchestration, complete actions are automated using workflows that link steps to standardize RPA processes.

- Rich out-of-the-box orchestration content for any use case, any technology, with more than 8,000 operations and workflows
- Extensible, open, vendor agnostic orchestrator to invoke from any place, integrate with anything using REST APIs, command line API, or integration wizards

- Secure, scalable, high-availability orchestration architecture

Our Solutions

Unified Functional Testing

Micro Focus Unified Functional Testing (UFT) provides the combustion for sophisticated process automation. Use it to mix-and-match recorded and scripted processes, or to run UFT “bots” on distributed infrastructures and Citrix/Virtual environments. Leverage UFT’s machine-driven features to “see” objects like humans do and to detect anomalies—latency issues, visual regressions, broken links, and more. UFT also supports the industry’s widest range of apps and environments for automating tasks, including web, Citrix, rich-client, terminal emulators, enterprise apps, and popular CI/CD tools.

Micro Focus supports and extends typical RPA capabilities with:

- A proven automation engine with a wide array of powerful recording options
- Seamless failure management through recovery procedures
- Reliable UI automation with more than 40 technologies, including SAP, Web, WPF, .NET, and Java
- Pure image-based object recognition (e.g., Flash, Citrix)
- Reusable business process description-based automation
- Custom libraries for UI, API, and CLI (command-line interface) business actions with predefined connectors for automation
- High level summaries, and deep technical reports for error root-cause analysis and resolution
- Encoding methods designed to ensure the security and integrity of passwords

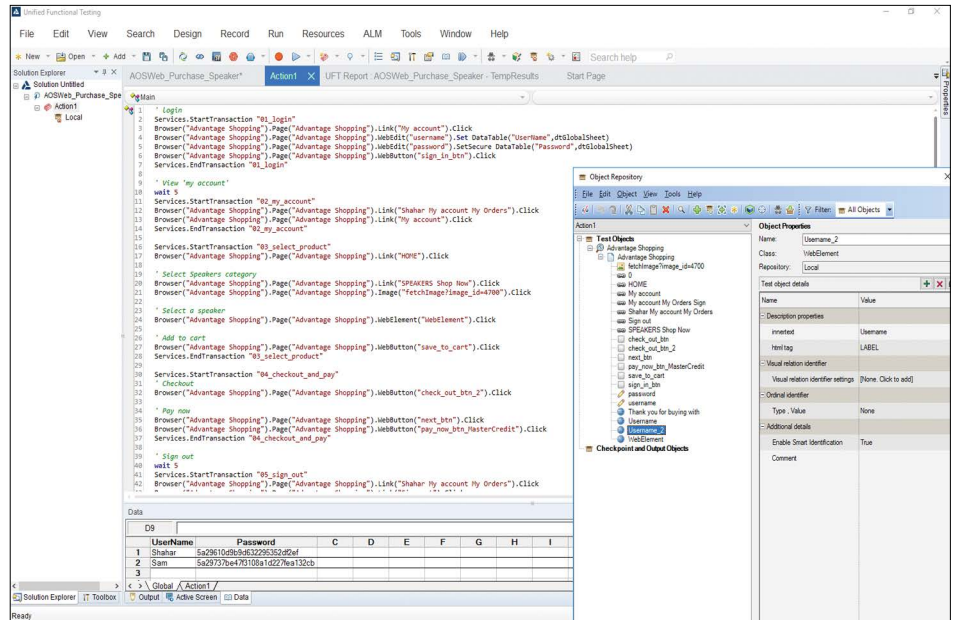


Figure 2. Unified Functional Testing

“RPA provides dramatic improvements in accuracy and cycle time and increased productivity in transaction processing while it elevates the nature of work by removing people from dull, repetitive tasks.”

INSTITUTE FOR ROBOTIC PROCESS AUTOMATION & ARTIFICIAL INTELLIGENCE (IRPAAI)

Contact us at:
www.microfocus.com

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“By 2021, Forrester estimates there will be more than 4 million robots doing office and administrative work as well as sales and related tasks.”

FORRESTER

Forrester Wave: Robotic Process Automation, Q2 '18, 2018

Operations Orchestration

Micro Focus Operations Orchestration automates complete actions using workflows that link steps to standardize any process at enterprise scale. With Operation Orchestration you can automate end to end process with a proven, enterprise-grade orchestration engine that provides extensive out-of-the-box content and open APIs to integrate across traditional and hybrid IT ecosystems, teams and tools. Automate processes easily with the intuitive workflow designer and execution engine.

“Gartner forecasts the robotic process automation software market will grow by 41% year over year to 2020.”

GARTNER

Forecast Snapshot: Robotic Process Automation, Worldwide, 2017

Learn more at
<https://microfocus.com/rpa>

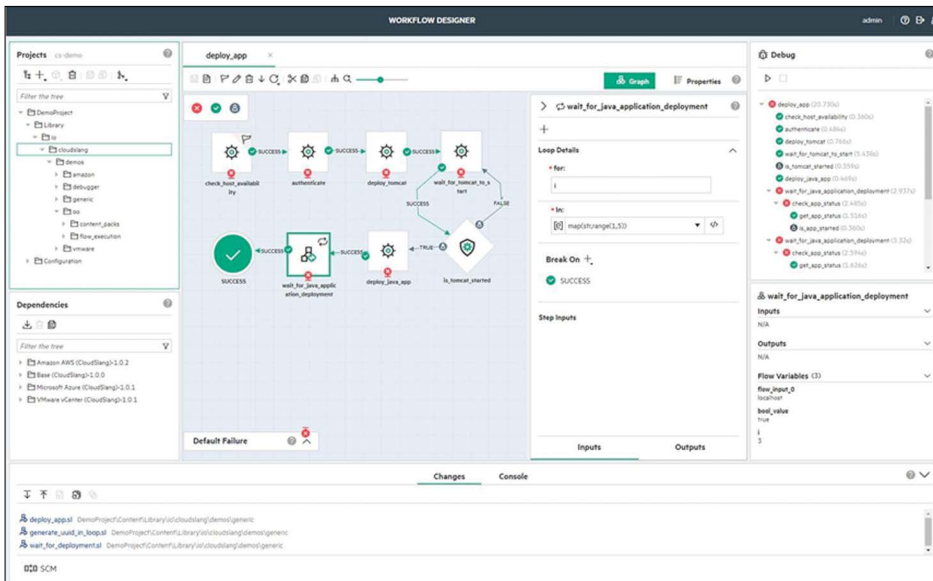


Figure 3. Operations Orchestration