



Step's Robotics' Test Automation Solution Accelerates Report Verification Testing for A Product Based Company

ABOUT CLIENT:

A Product based company help all kinds of organizations measure and manage their strategy, creating an impact all over the world. It makes complex management reporting easy.

REVENUE:
\$3.5M/Year

EMPLOYEES:
30

INDUSTRY:
Computer Software

REGION:
USA

BUSINESS NEED:
To validate the customers more than 500+ reports from one environment to another environment and provide verification test report in short span.

BUSINESS BENEFITS

01

Able to verify different Reports

Verifying the reports in Tabular and in non-Tabular format from one environment to another environment with provided detailed HTML Test Execution report where each report considering as one test case.

02

Within 5 Minutes able to develop Test Case W/O Coding

To create test case for a new report by just reusing same test case and with changing TC id and putting report details in test data excel sheet business user able to create their test case w/o any coding knowledge and within 5 minutes new Test Case is getting generated.

03

Very Minimal Time for Maintenance of Test Case:

Needed less time to repair the test cases those can also easily get done by Business Users team.

04

Accuracy & Relevance:

To eliminate manual intervention, which gave rise to issues related to accuracy and relevance as well as required multiple verification rounds for confirming authenticity and accuracy

STEP Robotics' SOLUTION

STEP deployed its Robotic Test Automation (RTA) solution, using UiPath Tool, for verifying 500+ Reports.

Some of the key highlights of the implementation are:

- Using STEP Proprietary RTA Framework Automation Developer can develop the Test case with high speed.
- Objects are managed in common repository if any objects will get change no need to fix those on every test case, only fixing in Repository location it will modify all test cases objects.
- Using UiPath, Data Scrapping module we can easily scrap reports either its in tabular format or in non-tabular format.
- Have built up dynamic Data scrapping so reports column will get added or decrease that's will not need to do any extra developing.
- Only 2 Test Cases has been designed as per 2 report types after that pending 498 TC getting generated by copy paste Original Test cases and renaming with their respective TC Id and maintaining Test Data for those Test Case's.
- In HTML report getting all test cases execution details with Testing Metrics, Dashboard, Test Cases execution step wise details with screenshots, logs etc.
- Able to create Testing Cycles and can add Test Cases which wanted to execute.
- While running Test cases exception handling also done like as Application, System wise so failure of Automation Execution will be less.
- Handling Selector, Objects with Dynamic ways, Delay/Timeout are also setup in dynamic way.
- Retrying test cases if gets failure with max retry count.
- For quick resolution automatically logging issue in Git for fail steps so developer can quick fix the issues.

TECHNOLOGIES

- RPA Tool/Platform: UiPath
- RPA execution infrastructure setup
- Web and Desktop software setup/integration
- RPA Processors configuration
- RPA Execution Orchestration configuration
- Software Bots configuration
- RPA Logs/Analytics
- Version Control integration

BUSINESS IMPACT



SCALABILITY

Can handle multiple Test Cases workload with increase or decrease in Bots



EFFICIENCY

70% Efficient than Scripting/ Open Source Automation tools and Frameworks



ACCURACY

98 % Accurate for Test Case execution



RELIABILITY

95% Reliable for Objects failure of object chances very less



SAVING

50%Cost Savings

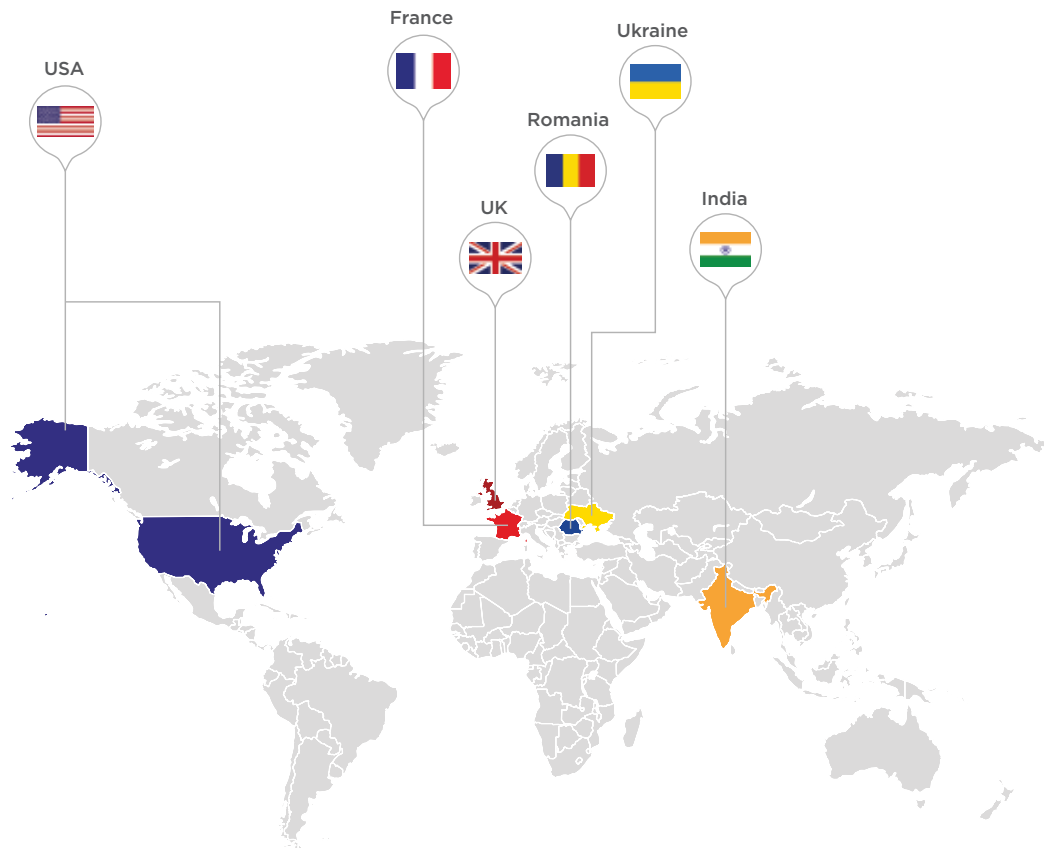
ABOUT

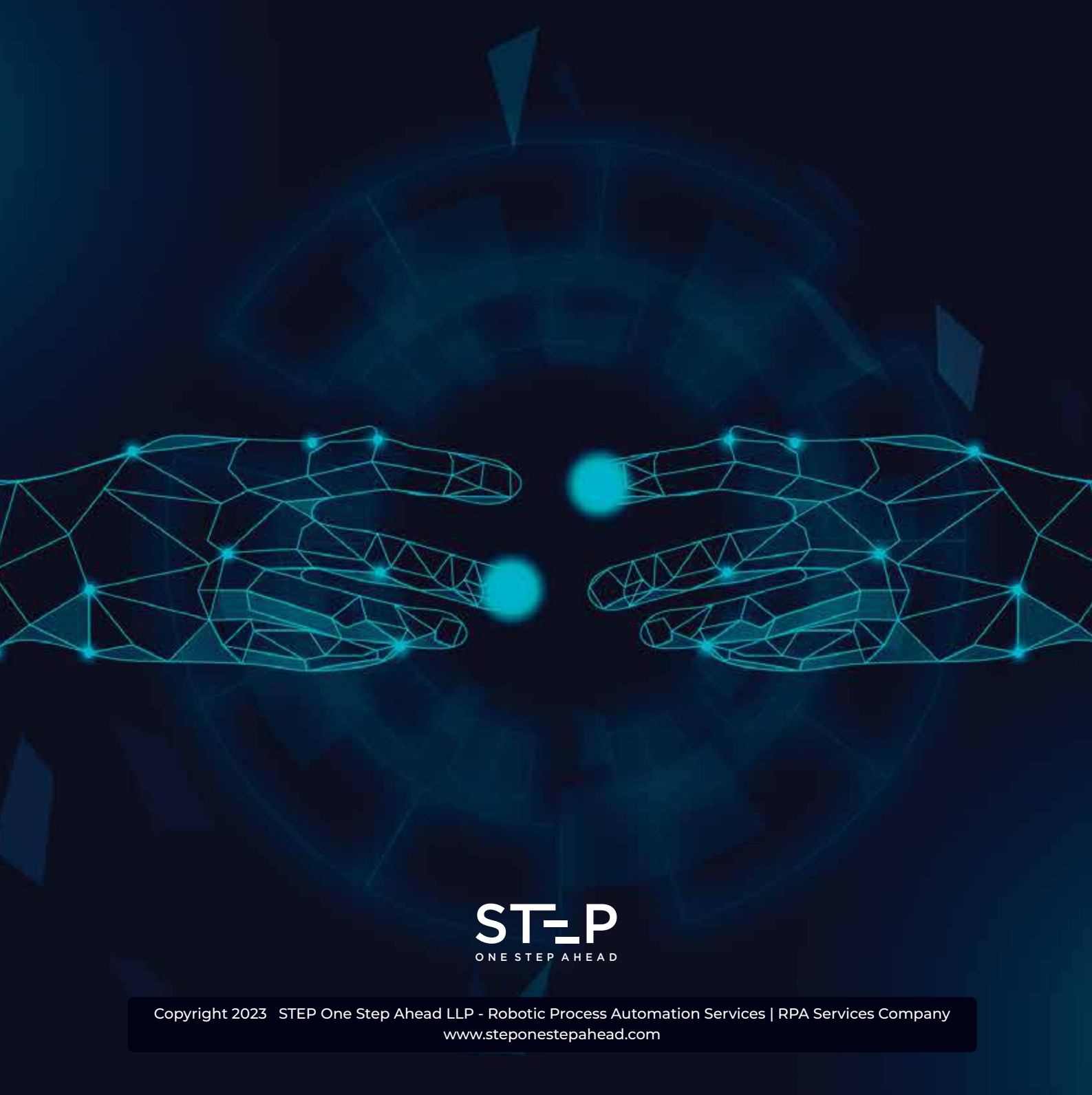
STEP one step ahead

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