

Document Cognition SmartLabTest

UiPath

Report Abstract

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Who is This Vendor Assessment For?

NelsonHall's UiPath document cognition benchmark report is a functional "lab" test evaluation of the Entity Extractor document cognition platform, designed for:

- Sourcing managers monitoring the capabilities of existing suppliers of Document Cognition platforms and identifying vendor suitability for document cognition RFPs
- RPA and intelligent automation center of excellence personnel evaluating document cognition platform capability
- Vendor marketing, sales, and business managers looking to benchmark their platforms against their peers
- Financial analysts and investors covering intelligent automation and Document Cognition platforms.

Key Findings & Highlights

This NelsonHall vendor assessment tested UiPath's capabilities in ingesting and interpreting:

- Structured documents such as mortgage applications and ACORD filings
- Semi-structured documents such as invoices and purchase orders
- Highly unstructured documents such as resumes.

The KPIs assessed for each document type included:

- Proportion of fields correctly recognized
- Accuracy of extraction of recognized fields
- Proportion of fields overall that 100% accurate and require no manual intervention.

NelsonHall developed the bot using UiPath Studio 2019.12.0-beta.61's drag-and-drop functionality to build the workflow using preconfigured functions. These drag and drop functions included calls to digitize a document and perform API calls to OCR and image recognition engines.

Within Studio, RegEx builder can be used to define regular expression search criteria. It contains a text editor, called Test Text, which can test search criteria choose against a test selection of text. Below the text editor, the user can choose the type, value, and quantifiers of the expressions to be matched against. The RegEx builder allows users to select pre-generated expressions, with options including emails, URLs, U.S. date, U.S. phone number, whitespace, digit, and "starts with". A full expression text box below the wizard displays the current RegEx expression in its raw form.

In addition to RegEx, digitized documents can be analyzed against document object models, more useful when handling more structured documents with templates.

Scope of the Report

The report provides a comprehensive and objective analysis of UiPath's capabilities, including:

- Designing the document cognition models
- Document Ingestion
- Document verification
- Testing.

This report provides the quantitative results of the SmartLabTest comparing the platform's performance for each document type. This report includes:

- The SmartLabTest results
- Analysis of the platform's strengths & weaknesses
- Identification of the key features of each platform
- An evaluation of comparative platform maturity

Document Cognition Vendor Assessments also Available for:

ABBYY, AntWorks, Automation Anywhere, LTI

About The Author

Mike is a Senior Analyst at NelsonHall, focusing on intelligent automation and digital technologies.

Mike's main research focus is on digital transformation technologies, including RPA, blockchain, IoT, artificial intelligence, cognitive, and machine learning.

Highly regarded for his analytical talents, Mike also leads data modeling and analytics initiatives in support of NelsonHall's ITS and BPS market forecasts and market surveys. He was responsible for transforming NelsonHall's extensive global market forecast engine, including the introduction of NelsonHall's unique interactive Self-Forecasting Tool



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About NelsonHall

NelsonHall is the leading global analyst firm dedicated to helping organizations understand the 'art of the possible' in digital operations transformation. With analysts in the U.S., U.K., and Continental Europe, NelsonHall provides buy-side organizations with detailed, critical information on markets and vendors (including NEAT assessments) that helps them make fast and highly informed sourcing decisions. And for vendors, NelsonHall provides deep knowledge of market dynamics and user requirements to help them hone their go-to-market strategies. NelsonHall's research is based on rigorous, primary research, and is widely respected for the quality, depth and insight of its analysis.

We would be pleased to discuss how we can bring benefit to your organization. You can contact us via the following relationship manager: Guy Saunders at guy.saunders@nelson-hall.com

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