

# AI- Enhanced Family and Action Centre



# Agenda for today

- Automation with artificial intelligence (AI)
- Introduction and update on the 20.4 features
  - AI Fabric
  - Computer Vision
  - Document Understanding
  - Action Centre
- Demo
- UiPath Resources
- Q&A session



Expedite automation time-to-value and ongoing ROI across the entire lifecycle

\$1 invested in UiPath can return  
**\$15 or more** in the same year

Build **millions of hours**  
of digital workforce capacity

Achieve **30-40% improvement**  
in operational metrics

## Discover

Discover automation opportunities powered by AI and your people

## Build

Build automations quickly, from the simple to the advanced

## Manage

Manage, deploy, and optimize automation at enterprise scale

## Run

Run automations through robots that work with your applications and data

## Engage

Engage people and robots as one team for seamless process collaboration

## Measure

Measure operations and performance to align with business outcomes

[Automation Hub](#)

[Task Capture](#)

[Process Mining](#)

[Task Mining](#) IN PREVIEW

[StudioX](#)

[Studio](#)

[Studio Pro](#)

[Document Understanding](#) ★

[Computer Vision](#) ★

[Automation Cloud](#)

[Orchestrator](#)

[AI Fabric](#) ★

[Test Manager](#)

[Attended Robots](#)

[Unattended Robots](#)

[Test Robots](#)

[API Integrations](#)

[Assistant](#)

[Action Center](#) ★

[Chatbots](#)

[Insights](#)



Process Analysts



RPA & Citizen Developers



IT Professionals

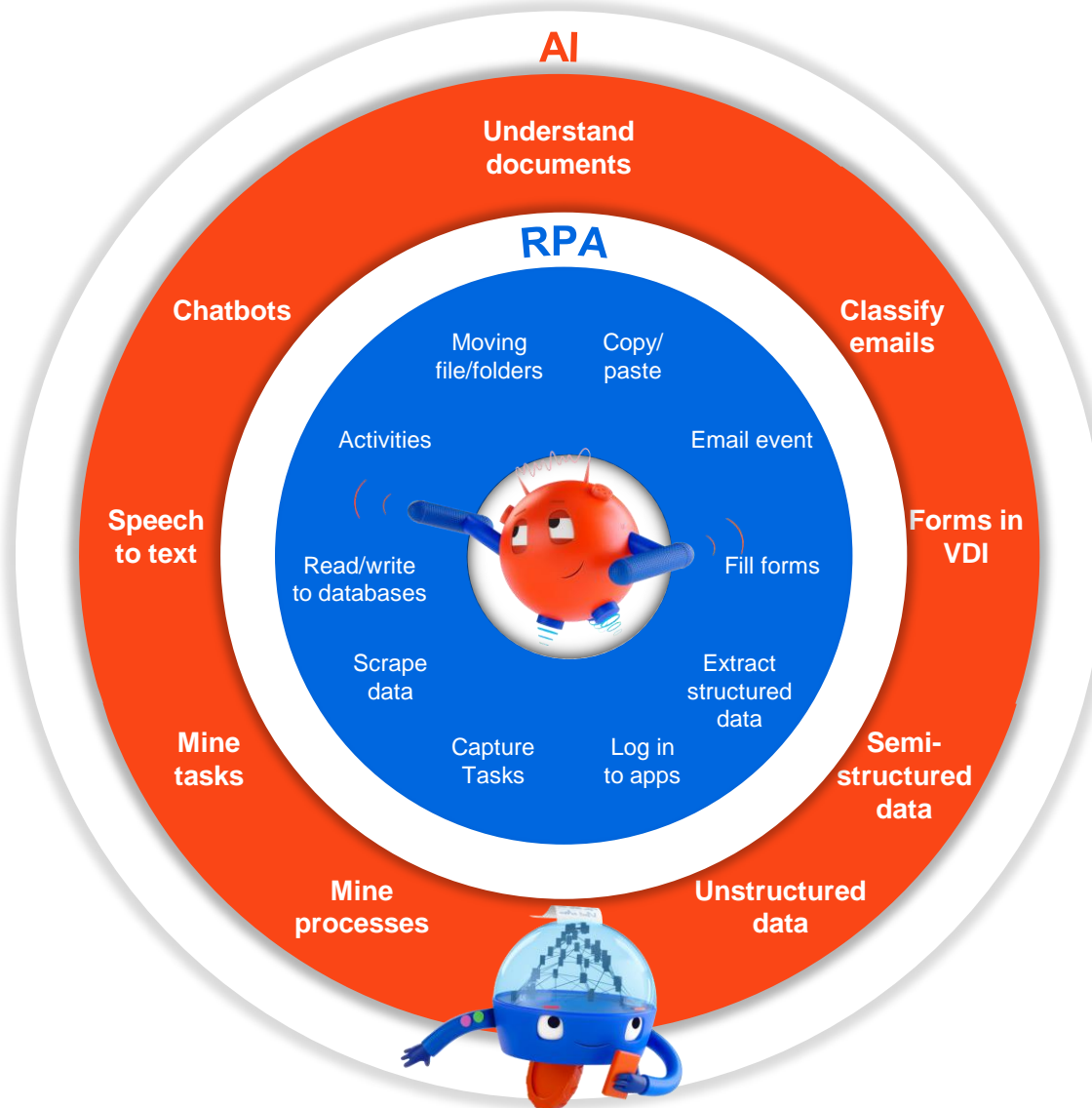


Automation Users



Business Analysts

# Automate more with the combination of RPA and AI



Assist humans and focus on “thinking”

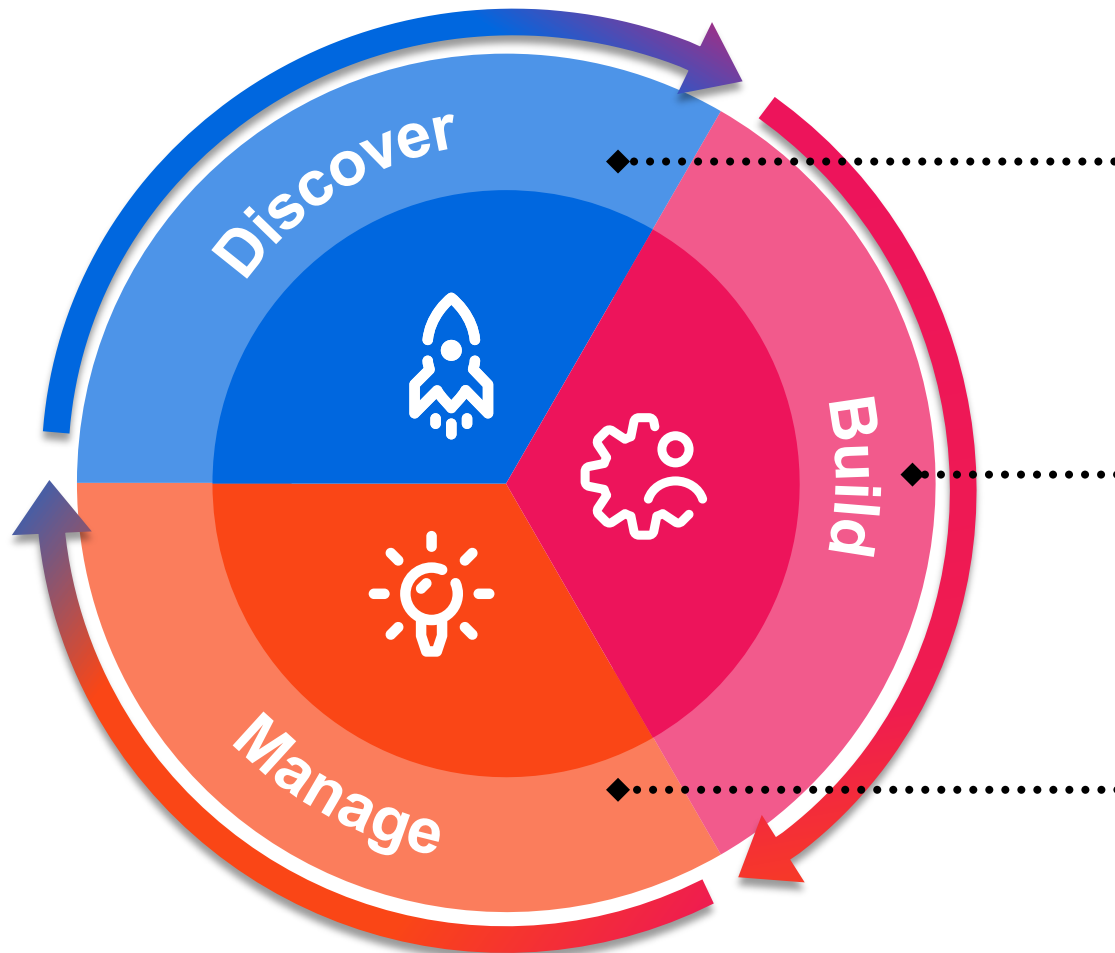
Increasingly cognitive and complex tasks

Pattern recognition

Semi-structured and Unstructured data

Probabilistic and high-variability

# Practical AI enabled by UiPath hyperautomation platform



## Scientifically identify automation opportunities



Process Mining



Task Mining Preview

## Teach your robots new AI skills



Document Understanding



AI Computer Vision



Conversational Understanding



Custom skills



Ecosystem Skills

## Apply, scale, and manage AI



AI Fabric



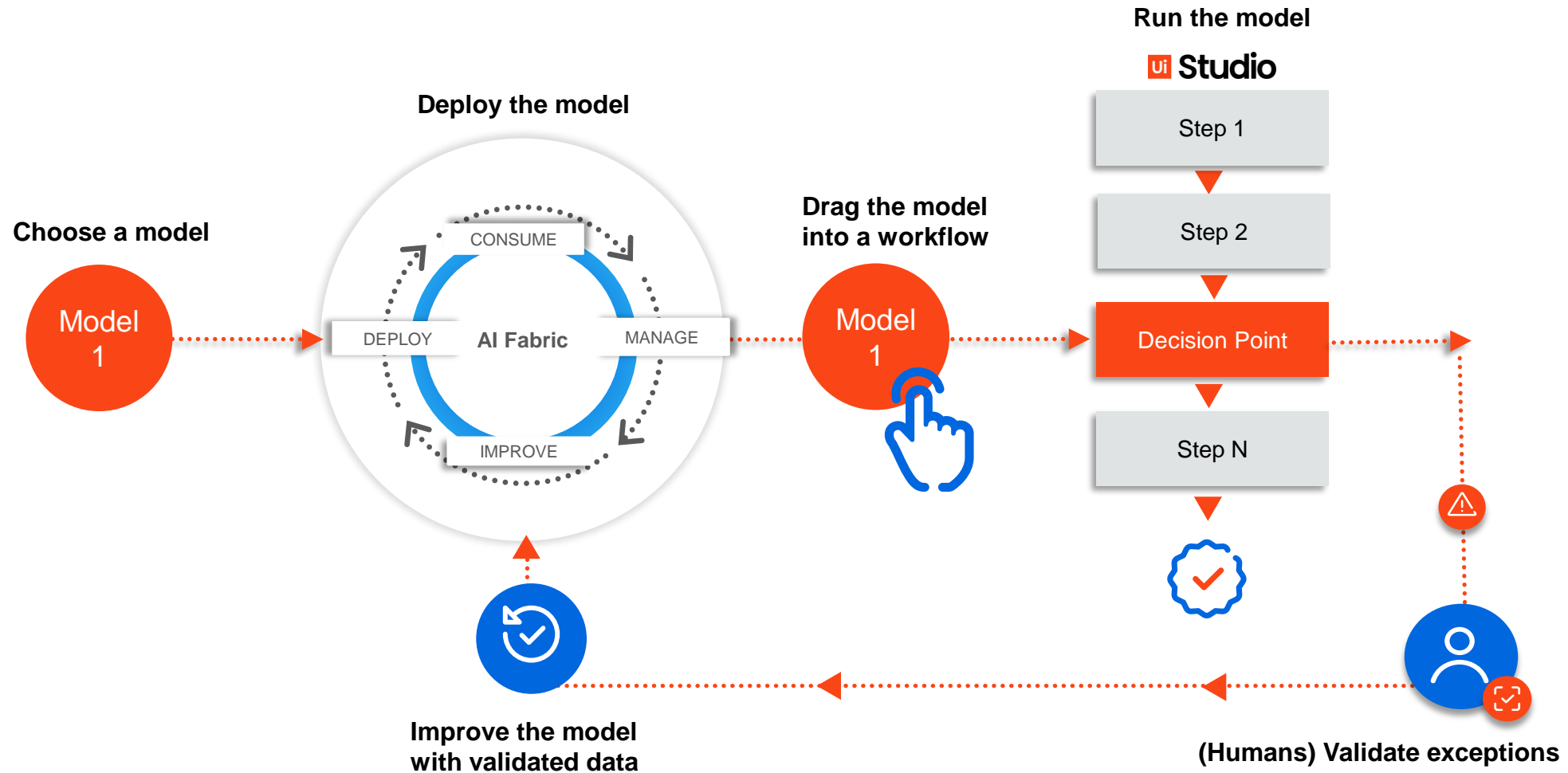
Action Center



A photograph of three business professionals in a modern office setting. In the foreground, a man with a beard and a light blue checkered shirt is seated, looking towards the left with a smile. Behind him, a woman with dark hair tied back is smiling. To the left, another man with glasses and a blue shirt is partially visible, looking towards the center. They appear to be in a collaborative meeting. The background shows large windows with a view of a city skyline.

# UiPath AI Fabric

# How AI Fabric works?



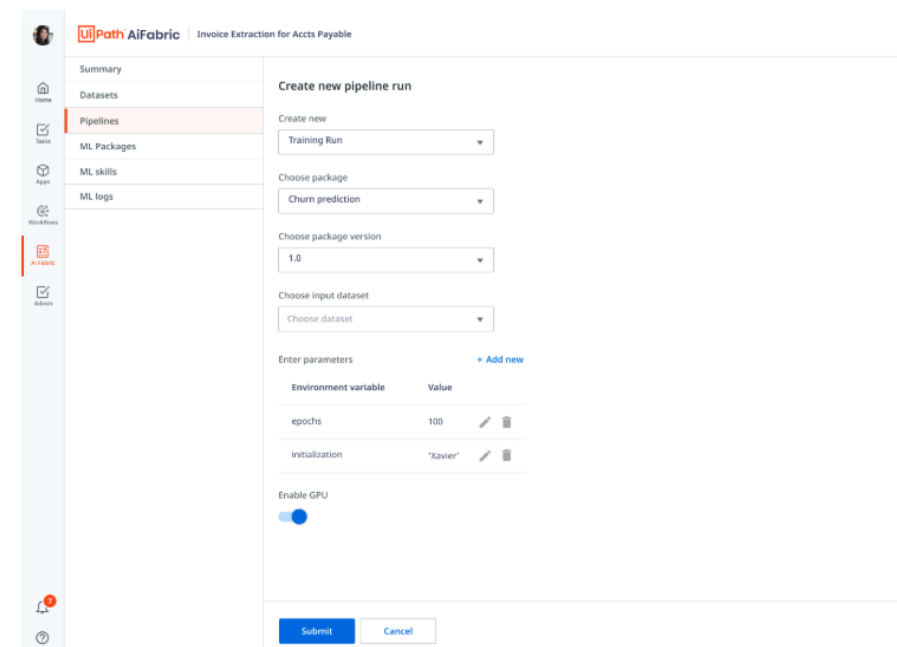
# 2020.4 UiPath AI Fabric Updates

## Apply AI To Your RPA Workflows In Minutes

- AI and RPA are coming together to accelerate your Automation First journey
- AI Fabric enables enterprises to apply the limitless cognitive power of AI to any automation. AI Fabric allows **data scientists** to easily deploy, monitor and constantly improve machine learning models. It enables **RPA developers** to seamlessly drag and drop AI skills suited to their needs to an RPA workflow.

## Highlights!

- **Model Retraining:** In 20.4, AI Fabric has been enhanced to include Model Retraining that allows exceptions and corrections to make the models better over time. This means the more you use AI Fabric, the harder it can work for you and your robots will learn from their mistakes and become better at their job over time.
- **Starter Models:** We are also delivering several pre-trained Starter Models for common use cases. These allows the Customers to easily get started with UiPath AI Fabric and automate more from day one. For example, our Language Identification model allows customer service teams to automate routing of tickets to specific departments. Our Sentiment Analysis model allows customer service teams to prioritize tickets that need urgent attention based on customer feedback.
- **On-Premises Support:** This release includes the first delivery of **AI Fabric on-premises**. It initially supports UiPath first-party models such as those used by UiPath Document Understanding. It will be enhanced over the months ahead to achieve parity with AI Fabric in the UiPath Automation Cloud. This will include support for capabilities such as custom model deployment, single click scalability, and high availability deployments options.



The screenshot shows the 'UiPath AIFabric' interface for 'Invoice Extraction for Accts Payable'. The left sidebar contains a navigation menu with 'Summary', 'Datasets', 'Pipelines', 'ML Packages', 'ML skills', and 'ML logs'. The 'Pipelines' section is active. The main area is titled 'Create new pipeline run' and contains the following fields:

- Create new:** A dropdown menu with 'Training Run' selected.
- Choose package:** A dropdown menu with 'Churn prediction' selected.
- Choose package version:** A dropdown menu with '1.0' selected.
- Choose input dataset:** A dropdown menu with 'Choose dataset' selected.
- Enter parameters:** A table with two columns: 'Environment variable' and 'Value'. It contains two rows:
 

Environment variable	Value
epochs	100
initialization	"Xavier"
- Enable GPU:** A toggle switch that is currently turned on.

At the bottom of the form are 'Submit' and 'Cancel' buttons.



# Time for Demo



# Use UiPath starter models to start your first AI project. No data science background required!



## UiPath Document Understanding

Invoice extraction

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Receipt extraction

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Generic Semi-Structured Extraction

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Purchase Order Extraction\*

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Utility bills\*

## Open Source Language Analysis

Language Translation

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Language Detection

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Sentiment Analysis

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Named entity recognition

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## Open Source Language Comprehend

Question answering

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Text Classification

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Text Summarization

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## Open Source Others

Tabular data classification

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Image moderation

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Object detection

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Image segmentation

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Semantic similarity

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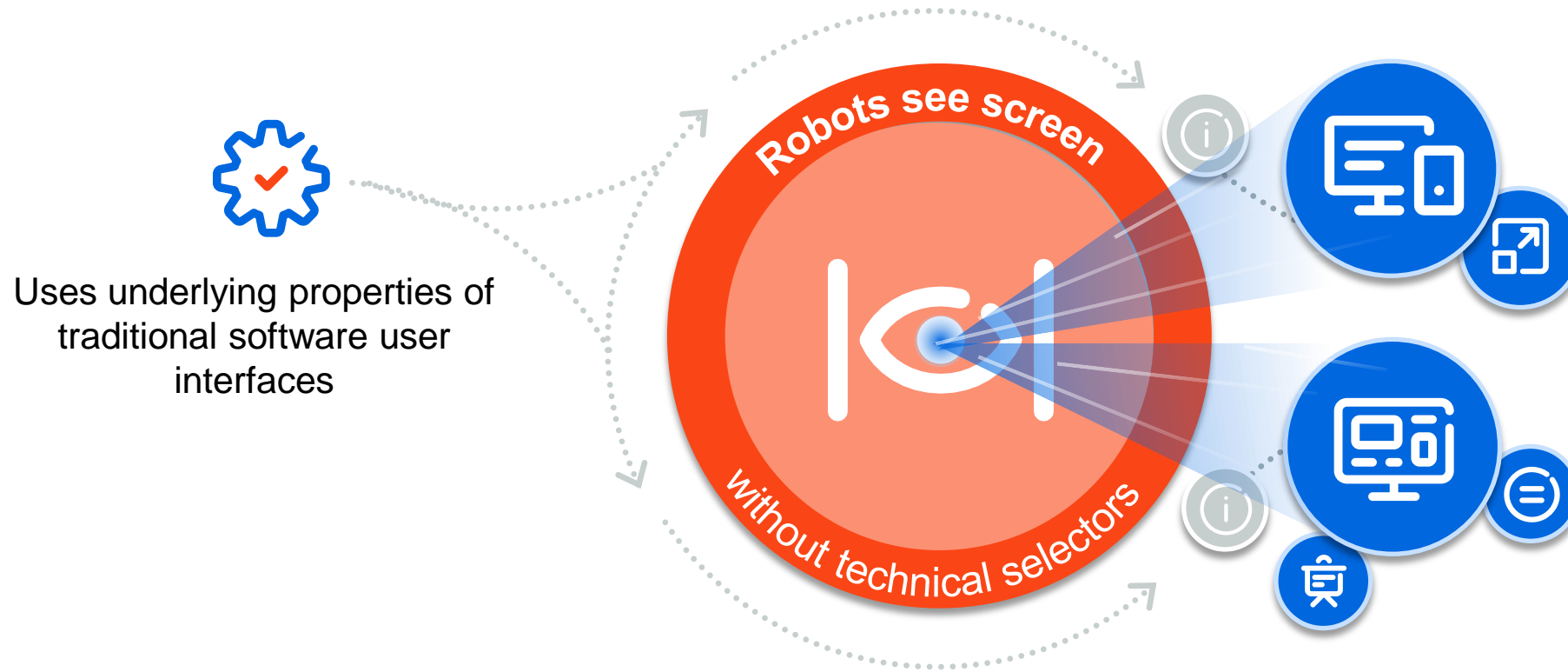
- [Blog link](#)
- [Out of the box documentation](#)

\* Coming Soon

# UiPath Computer Vision



# UiPath AI Computer Vision enables Robots to “see” the screen





Neural Network



Screen Optical Character Recognition (OCR)



Text Fuzzy matching



Multi-anchoring system

AI-POWERED  
RECOGNITION



Cross Platform and VDI environments



Desktop and Web applications



Images including PDFs, Flash and Silverlight



Check and drop-down boxes

AUTOMATE  
MORE



**Improves automation resilience** in response to small changes in the UI



**Increased speed and reliability of RPA implementations** when automating within differing frameworks

RESILIENCE &  
RELIABILITY



# 2020.4 UiPath Computer Vision Updates











## Highlights!

### New Computer Vision Activities

- CV Check
- CV Dropdown Select
- Computer Vision On Prem Server
- Screen OCR

**Benefits:** The feature will help developer when working with check boxes by being able to specify actions like Check, Uncheck, Toggle without special validation needed

### Computer Vision

-  **CV Check**
-  **CV Click**
-  **CV Dropdown Select**
-  **CV Element Exists**
-  **CV Get Text**
-  **CV Highlight**
-  **CV Hover**
-  **CV Refresh**
-  **CV Screen Scope**
-  **CV Type Into**



# Time for Demo





# UiPath Document Understanding

# Introducing UiPath Document Understanding

Teach robots to process documents using AI

## INTELLIGENCE

Get documents processed intelligently

## FLEXIBILITY

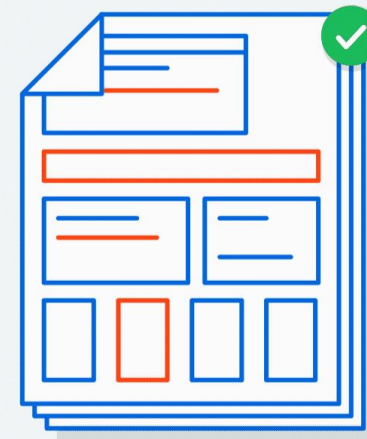
Process a wide range of documents

## ACCURACY

Mix & match different extraction technologies

## EFFICIENCY

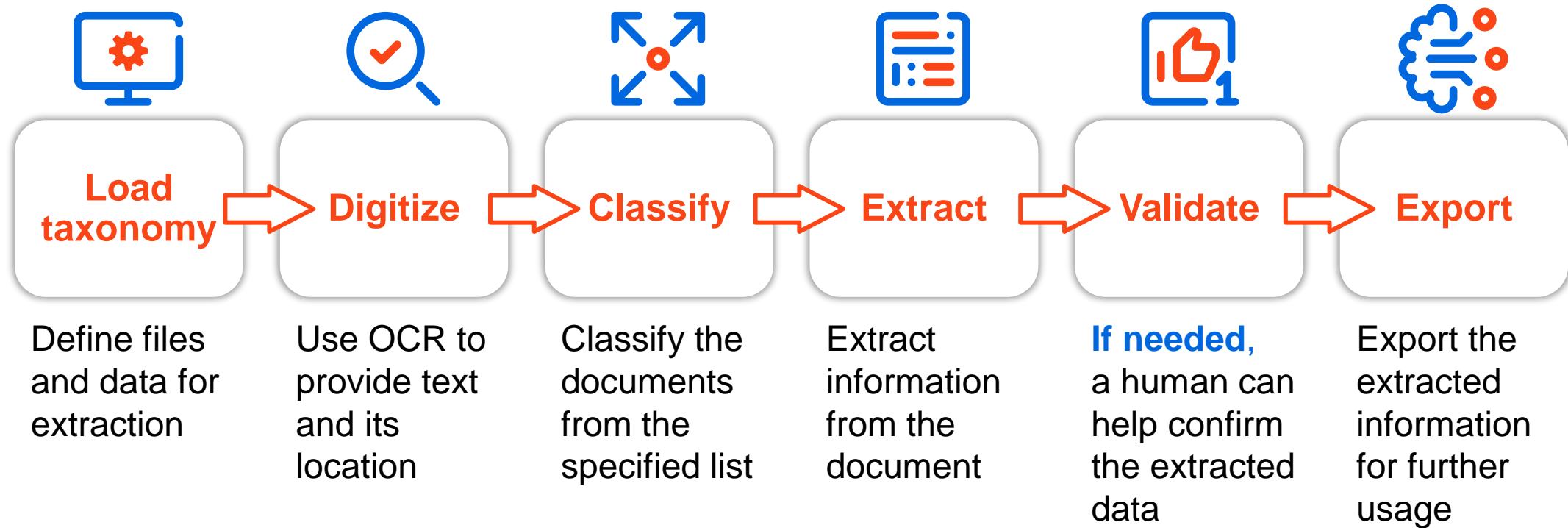
Save time with end-to-end automations



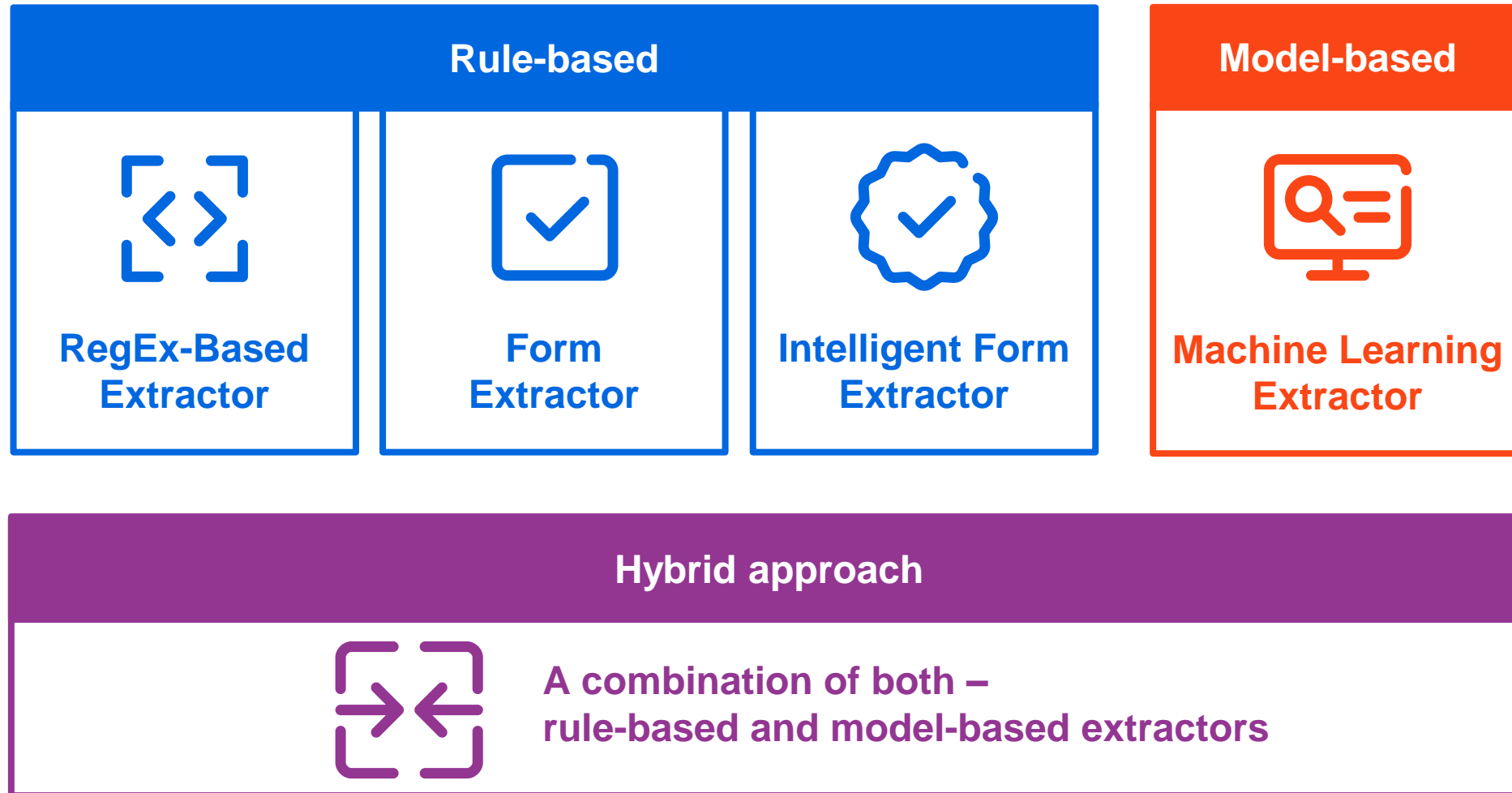
Varying templates



# UiPath Document Understanding Framework



# Data extraction – from rules to AI to a hybrid approach



# Time for Demo





A woman with dark hair, wearing a black sleeveless top and a red skirt, is leaning over a man. She is pointing at a tablet computer that the man is holding. The man has grey hair and a beard, and is wearing a grey suit, a white shirt, and a blue tie. He is looking at the tablet. The background is a blurred office setting with large windows. A large, semi-transparent orange banner is overlaid across the middle of the image, containing the text 'UiPath Action Center' in black.

# UiPath Action Center

# 2020.4 UiPath Action Center

## End-to-end business process automation through Human-Robot collaboration

- Automate more work from start to finish through a seamless Human-Robot collaboration from a single platform.
- Simplify collaboration with Robots via Action Center where any exceptions, escalations, validations and approvals can be handled by the user: Unattended Robots automatically create tasks and dynamically assigns tasks to the right user when human intervention is required and move on to the next job. Once the required help from the human is complete the Robots are notified and can resume the automation

## Highlights!

- **Enhanced Action Center:** Simple and intuitive User Access management and dynamic task assignment and Containerization of tasks through folders help delegate tasks to the respective user. Actions can be performed by the User anytime from anywhere by accessing the tasks through UiPath Mobile App. API based integration with external BPM and customized tools to take actions
- **Long Running Workflows:** Easy automation of end-to-end business processes with native long running activities in Studio that offers linking of processes, tracking them end-to-end and allows Robots to engage in new jobs while the process/ human task is pending. Validation Station integration to review and validate document classification and automatically extracted data
- **Process Monitoring:** Helps gain visibility across business silos by monitoring the long running workflow from start to finish, as a single job, and get consolidated view of the Robot logs and resource bottlenecks.

The screenshot displays the UiPath Action Center interface. On the left, a sidebar shows navigation options: Home, Actions, and Processes. The main area is titled 'UiPath Actions' and shows a list of pending tasks for 'Sales Quote Approval for Customer: ABC International'. The tasks are listed with their status (Critical), ID (#4530), and creation time (today, yesterday, 2 days ago, 13 days ago, 1 month ago, 6 months ago, 18 months ago). The right panel provides a detailed view of a selected task, including fields for Title, Quote Reference Number, Customer Details, and Country Code. Below these fields is a table for Product Specifications with columns for Product, Quantity, Colour, Size, Discount %, and Discount Price. The table lists two items: 'Brand White T-shirt' and 'Slimfit jeans'. At the bottom of the right panel, there are 'Approve' and 'Reject' buttons.

Product	Quantity	Colour	Size	Discount %	Discount Price
Brand White T-shirt	25	White	M	12%	\$400.00
Slimfit jeans	20	Denim	32	40%	\$280.00

# Time for Demo



# UiPath Resources



Community  
Forum



Documentation  
Portal



Release  
Notes



ReFramework



UiPath  
Academy



UiPath  
Certification









Webinars



Video  
Tutorials

# Transformative Thursday Upcoming Sessions

Here's a quick look at our schedule

Phase	Webinar Topics	Date
 Discover	Crowdsourcing ideas - Automation Hub and Task Capture	20th August, 2020 <a href="#">Register now</a>
	Deep dive into AI enabled discovery tools -Process Mining & Task Mining	27th August, 2020 <a href="#">Register now</a>
 Build	Explore the brand new Ui Studio experience –Studio, StudioX and Studio Pro	3rd September, 2020 <a href="#">Register now</a>
 Manage	Discover the latest in UiPath Orchestrator and Automation Cloud	10th September, 2020 <a href="#">Register now</a>
 Run	Accomplish More with More Accomplished Robots	17th September, 2020 <a href="#">Register now</a>
 AI Family/ Engages	Deep dive into our AI products – Document Understanding, AI Fabric and Computer Vision	24th September, 2020 <a href="#">Register now</a>
 Measure, Connectors	Explore new features in UiPath Insights and our latest ServiceNow Connector	1st October, 2020 <a href="#">Register now</a>





**Thank you  
Stay Safe and Stay  
Healthy**

