

#UiPathForward

Welcome to UiPath Forward

UiPath Product Roadmap

Boris Krumrey, Chief Robotics Officer



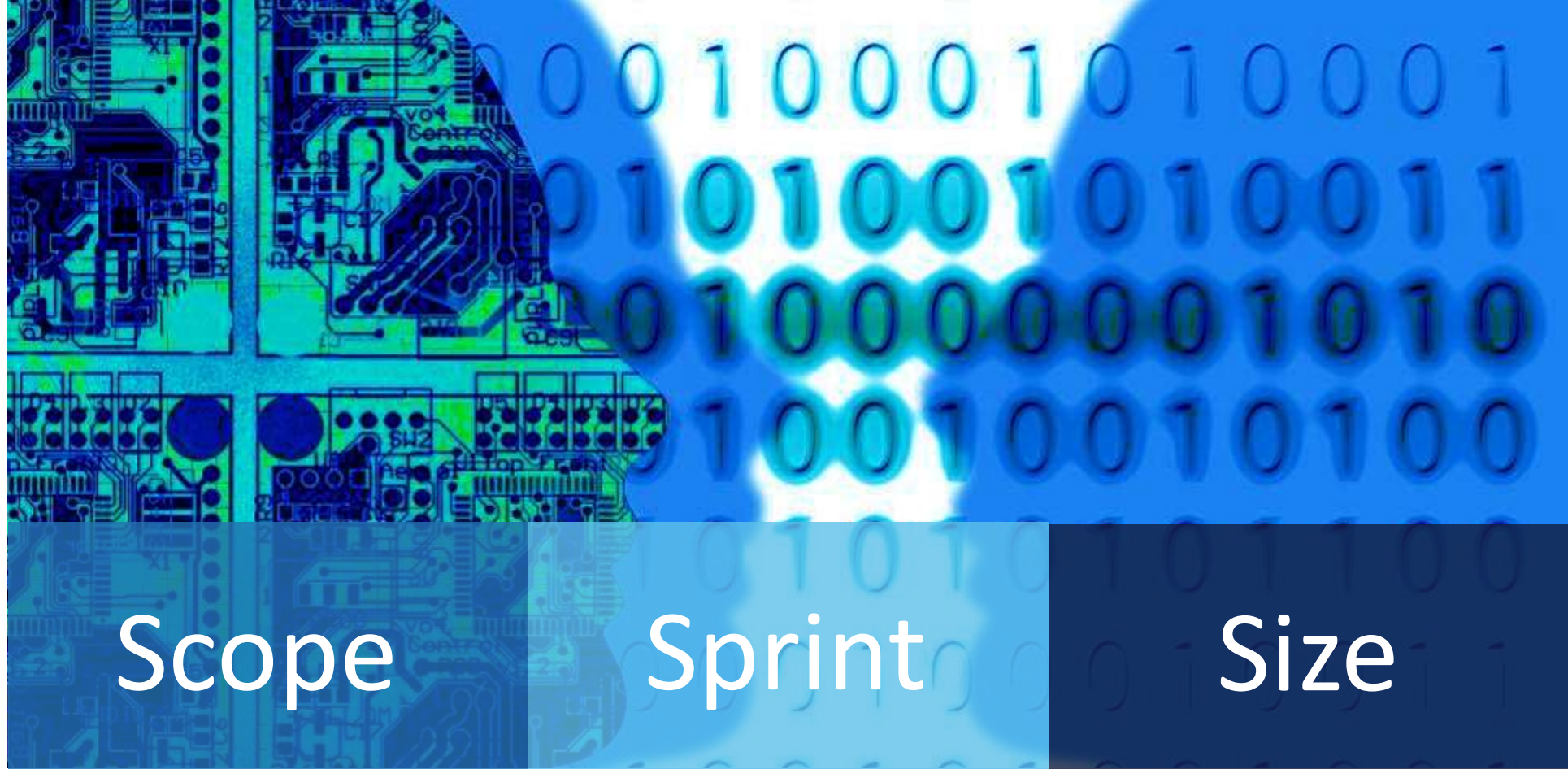
Our product vision

is to build the

Enterprise RPA Platform

for the

Digital Workforce



Scope

Sprint

Size

Capability

More process automation with
higher complexity

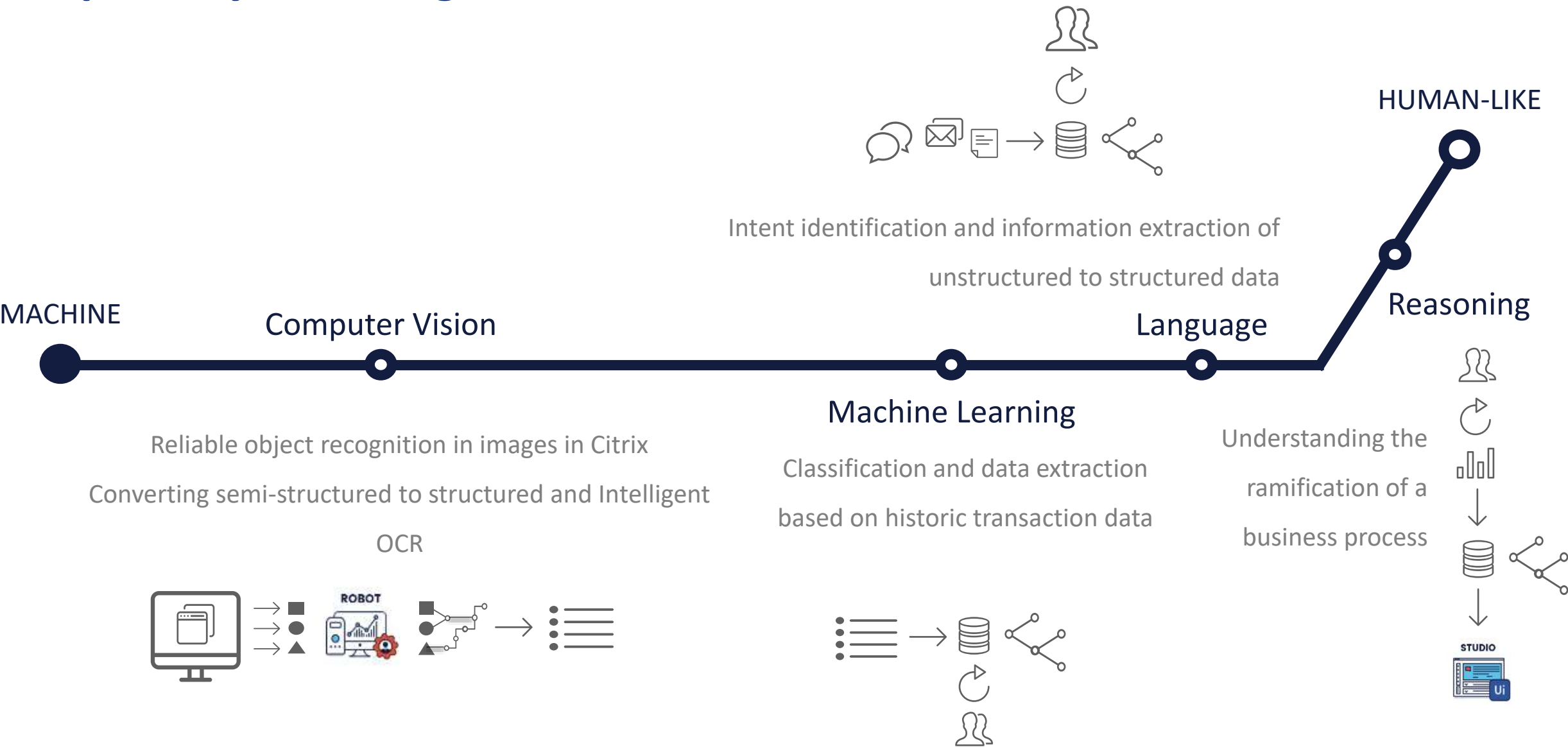
Agility

Faster realization, better
customer experience with less
effort

Scalability

Build and deploy for many process
automations at all Enterprise
Security and Risk Compliance
levels

Capability Challenges



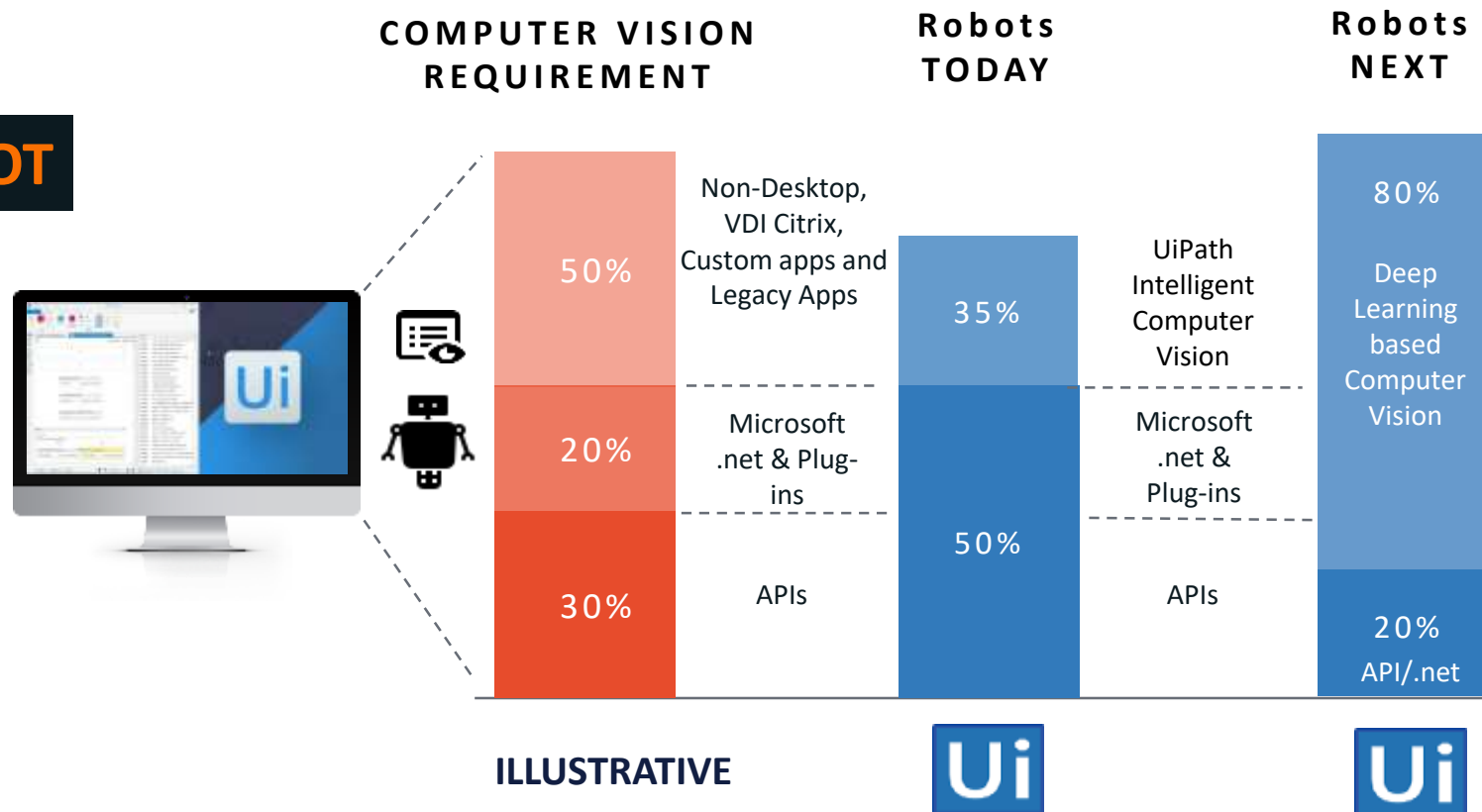
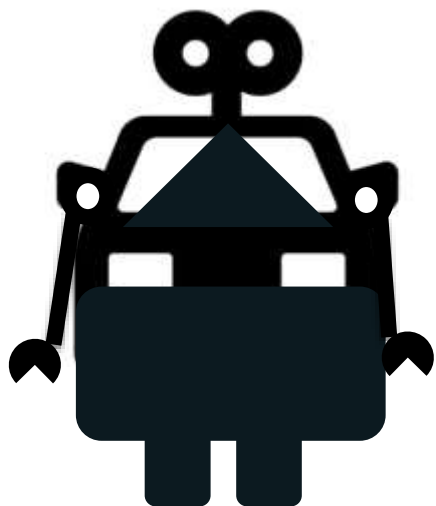
Computer Vision – Intelligent UI Automation

NEXT

Our future robots have in-built AI features with **Computer Vision with Deep Learning**

THE
SELF-DRIVING SOFTWARE ROBOT

HAS ARRIVED.



Screen object classification in images based on Deep Learning

Better 3rd party OCR 20% Built-in OCR accuracy improved

Machine Learning - UiPath Architecture

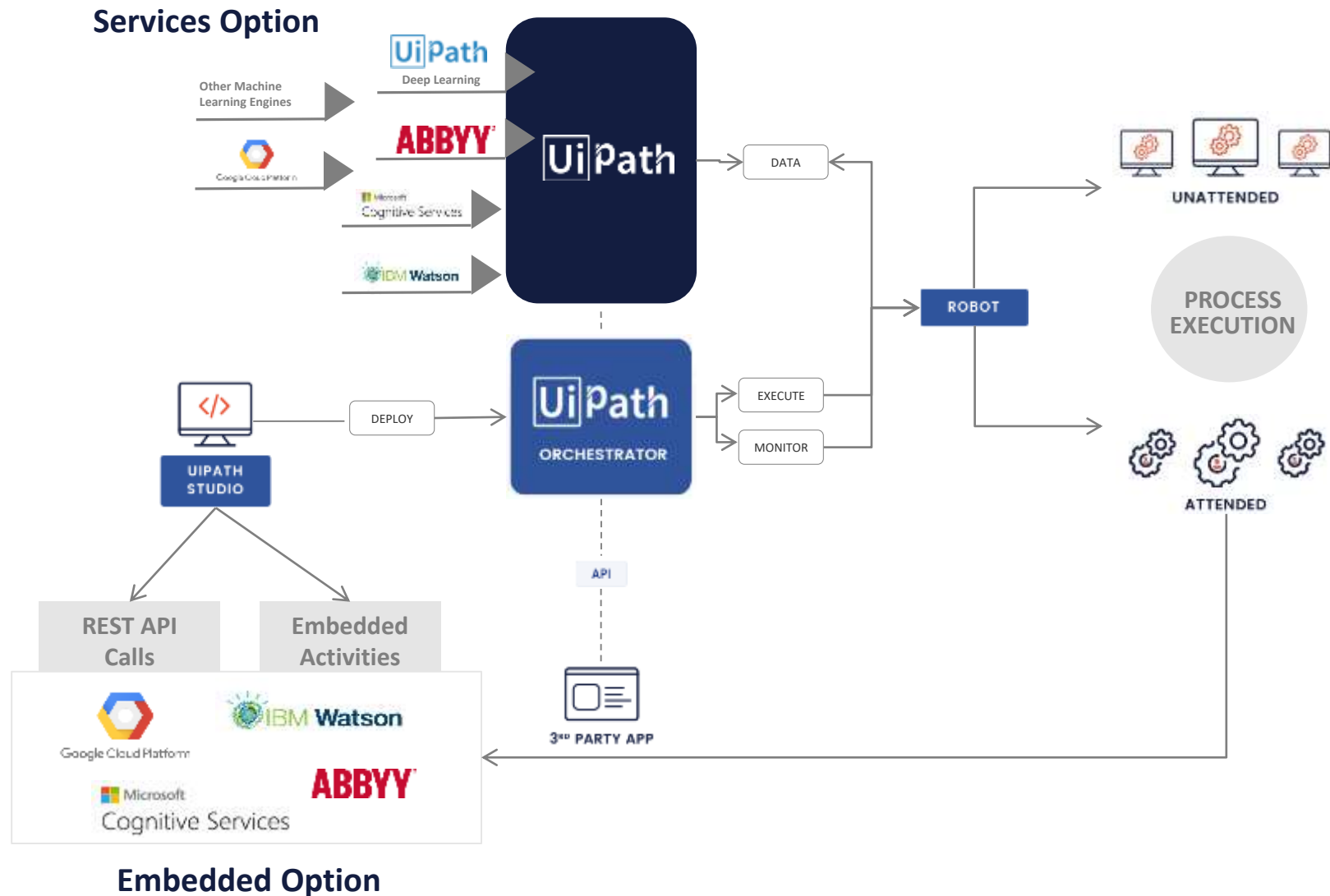
NEXT

Enterprise RPA for Decision Making, Human Supervision and NLP



Direct AI Services access by Robot or by 3rd party integrated AI Service

UiPath Deep Learning GPU for SW Robot



Computer Vision – Intelligent OCR

NEXT

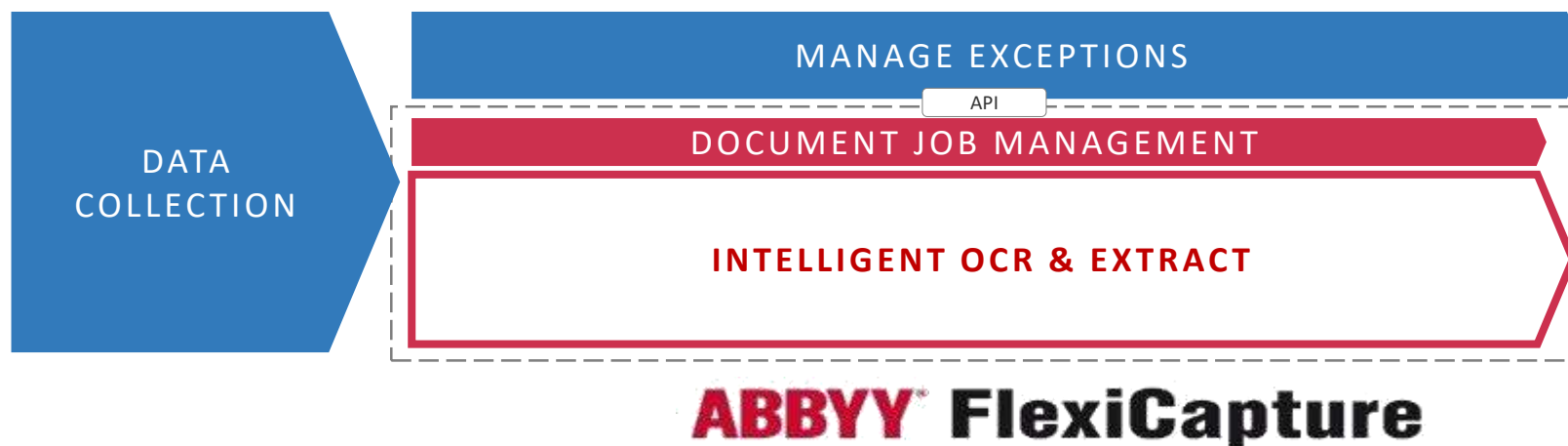
Embedding semi-structured to structure technologies and seamless into UiPath platform

HUMAN SUPERVISION



SUPERVISION AND TRAINING
(CREATE TEMPLATES AND VALIDATE CASE-BY-CASE)

ROBOTIC PROCESS AUTOMATION + INTELLIGENT PROCESS AUTOMATION SYSTEM



ABBYY Semi-Structured-to-structured is the leading robust and scalable Intelligent OCR Solution

- ✓ Up to 3.5 million images a day
- ✓ Up to 1000 scanning operators
- ✓ Up to 300 verification operators
- ✓ Scalable to meet growth needs

IT SYSTEM RESOURCES



FILES, TEMPLATES AND DATABASES



Machine Learning – Decision Making

NEXT

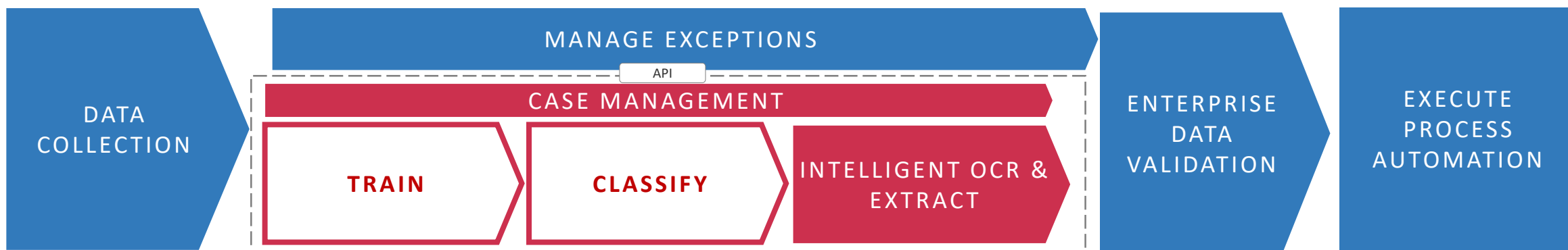
INTELLIGENT PROCESS AUTOMATION for Decision Making and Human Supervision

HUMAN SUPERVISION



SUPERVISION AND TRAINING
(TRAIN, VALIDATE CASES AND ASSIGNED ACTIONS)

ROBOTIC PROCESS AUTOMATION + INTELLIGENT PROCESS AUTOMATION SYSTEM



e.g. Google, Microsoft, IBM Watson, Nuance, **ABBYY**, etc.

IT SYSTEM RESOURCES



FILES, KNOWLEDGE GRAPHS, ONTOLOGIES AND DATABASES

Language – Intent Process Automation

NEXT INTELLIGENT PROCESS AUTOMATION for Human Language Intent Extraction

HUMAN SUPERVISION



SUPERVISION AND TRAINING
(TRAIN, VALIDATE CLASSIFICATION AND EXTRACTION)

ROBOTIC PROCESS AUTOMATION + INTELLIGENT PROCESS AUTOMATION SYSTEM



e.g. Google, Microsoft, IBM Watson, Nuance, **ABBYY**, etc.

IT SYSTEM RESOURCES

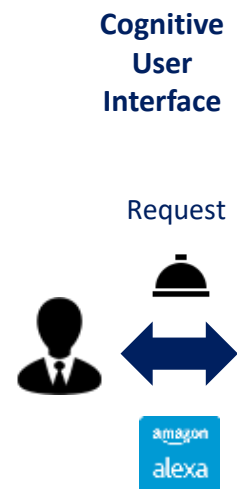
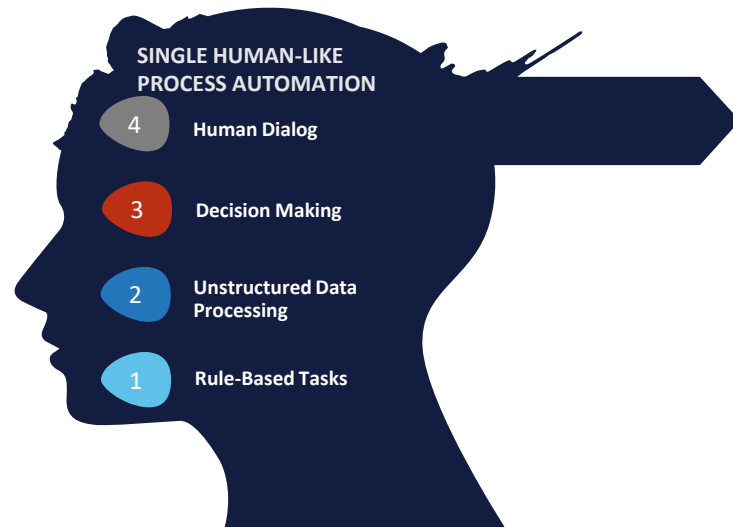


FILES, KNOWLEDGE GRAPHS, ONTOLOGIES AND DATABASES

Language – Human Dialog

NEXT

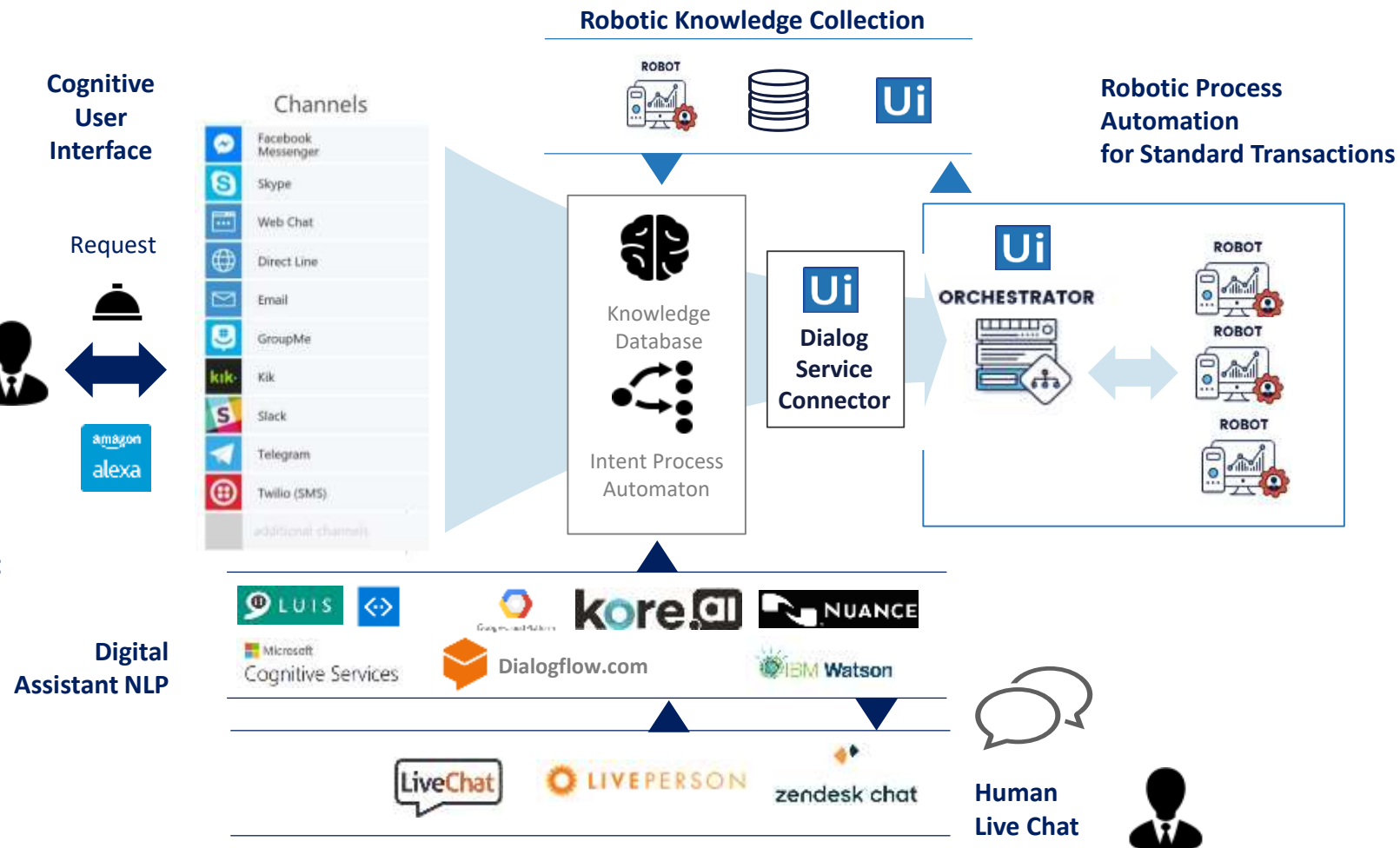
Integrated UiPath Solutions for a **Digital Assistants, Chatbots and Knowledge Databases**



Integration of 'Chat based' NLP technologies such as:

- Microsoft Bot-Framework,
- Google Cloud and Dialogflow.com
- Other kore.ai, Nuance, Watson

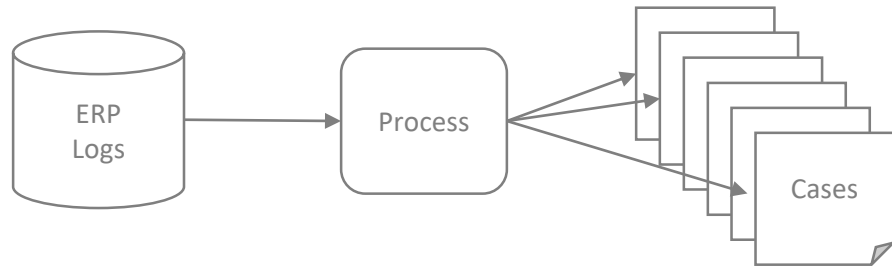
Robotic Knowledge Collection



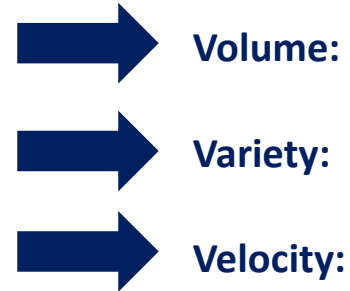
Reasoning – Process Mining

TODAY

Finding Process Automation Opportunities



3Vs



Automation Opportunities

low	high
low	high
slow	fast

VISUALIZATION OF
THE ACTUAL
PROCESSES

AI-POWERED
DETECTION OF
AUTOMATION
POTENTIAL

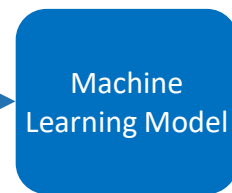


NEXT

UiPath Additional Process Mining Tools



App, Screens, Clicks,
Entry/Output Data



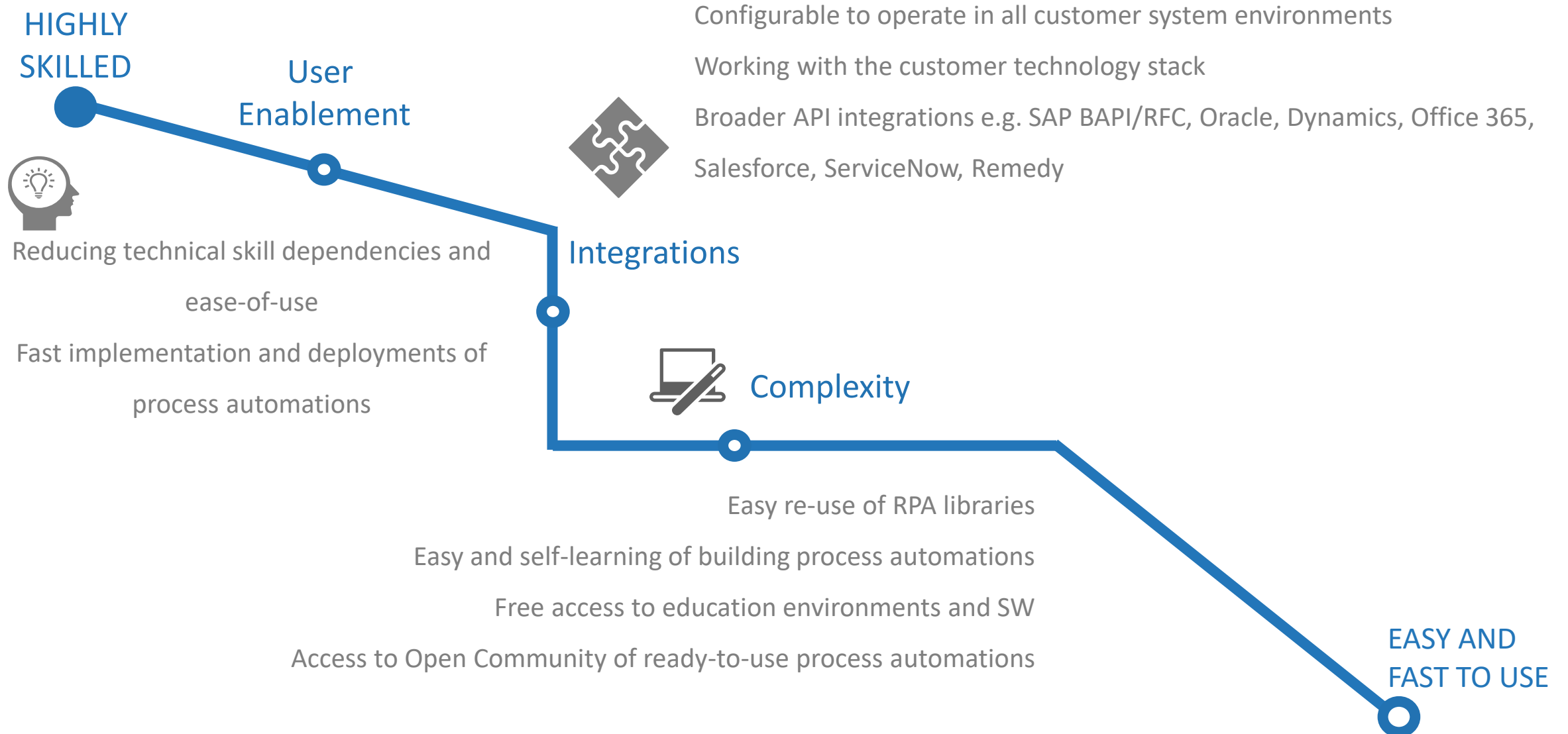
Process, Case-ID
+
App, Screens, Clicks,
Entry/Output Data

UiPath RPA Code Skeleton



ATTENDED
UNATTENDED

Agility Challenges

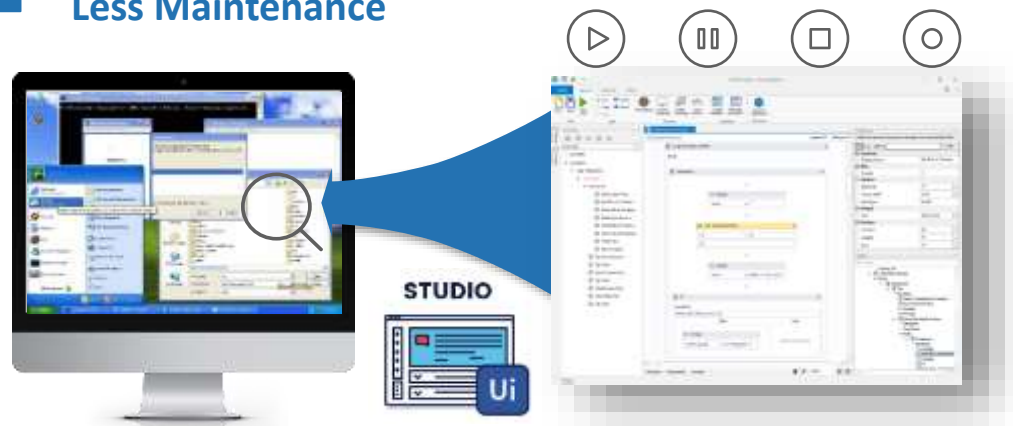




User Enablement

NEXT

Faster RPA Implementations –
Less Maintenance

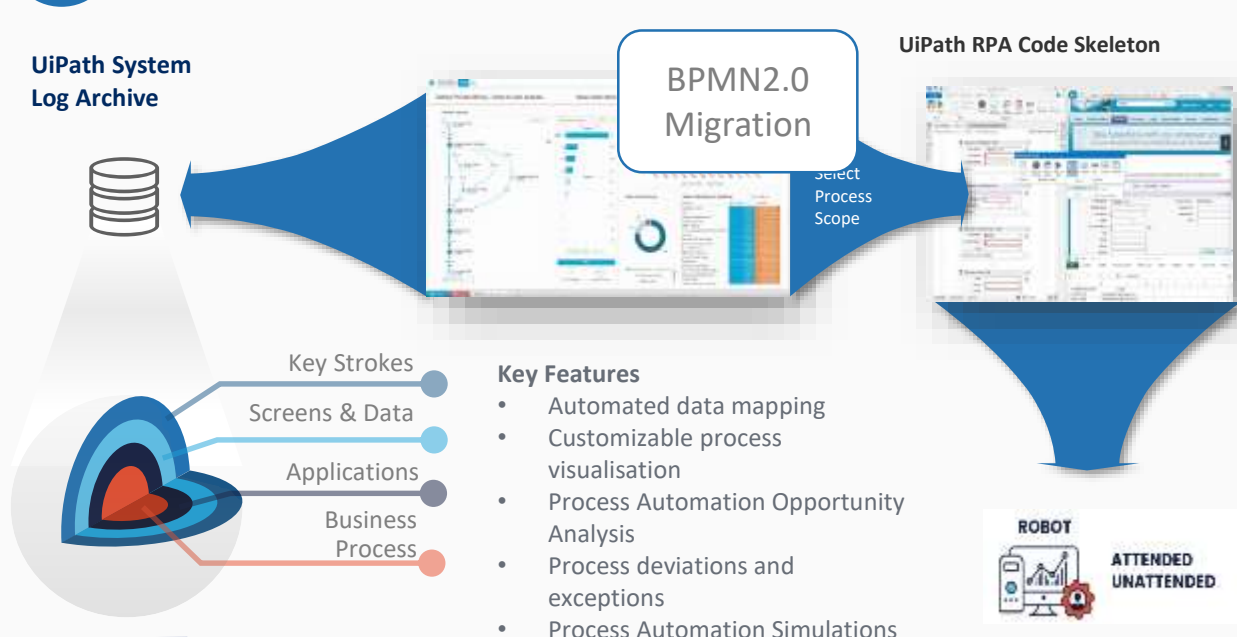


1 MORE USER ENABLEMENT FEATURES

- Simplify UI Automation Creation
- Contextual user guidance
- Process Migration Tool
- Academy Documentation in Japanese, French
- Entire Platform UIs in Japanese, Chinese, French, Spanish and German

2

SELF-GENERATING PROCESS AUTOMATION ACCELERATORS



3

ACADEMY 2 AND TRANSFORMATION TOOLS

RPA Navigator

RPA Journey Tool
(Discovery, Enable,
Support)

Test Drive

Orchestrator
Community Edition

Online
Training

UiPath Academy Self-
Learning Trainings

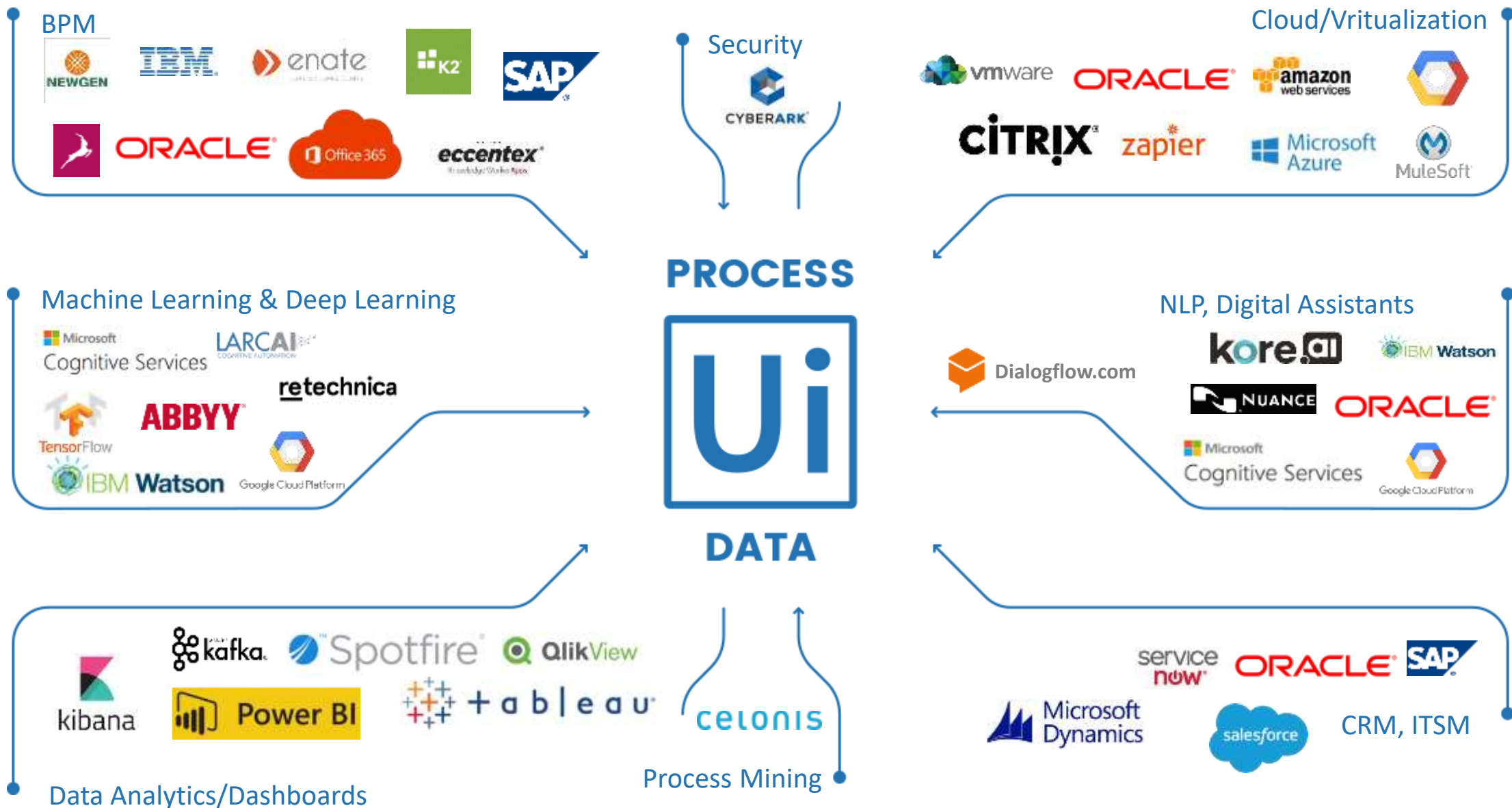




Integrations – A Solution Eco-System

NEXT

Integrations of strategic technology partners build the eco-system of the digital workforce

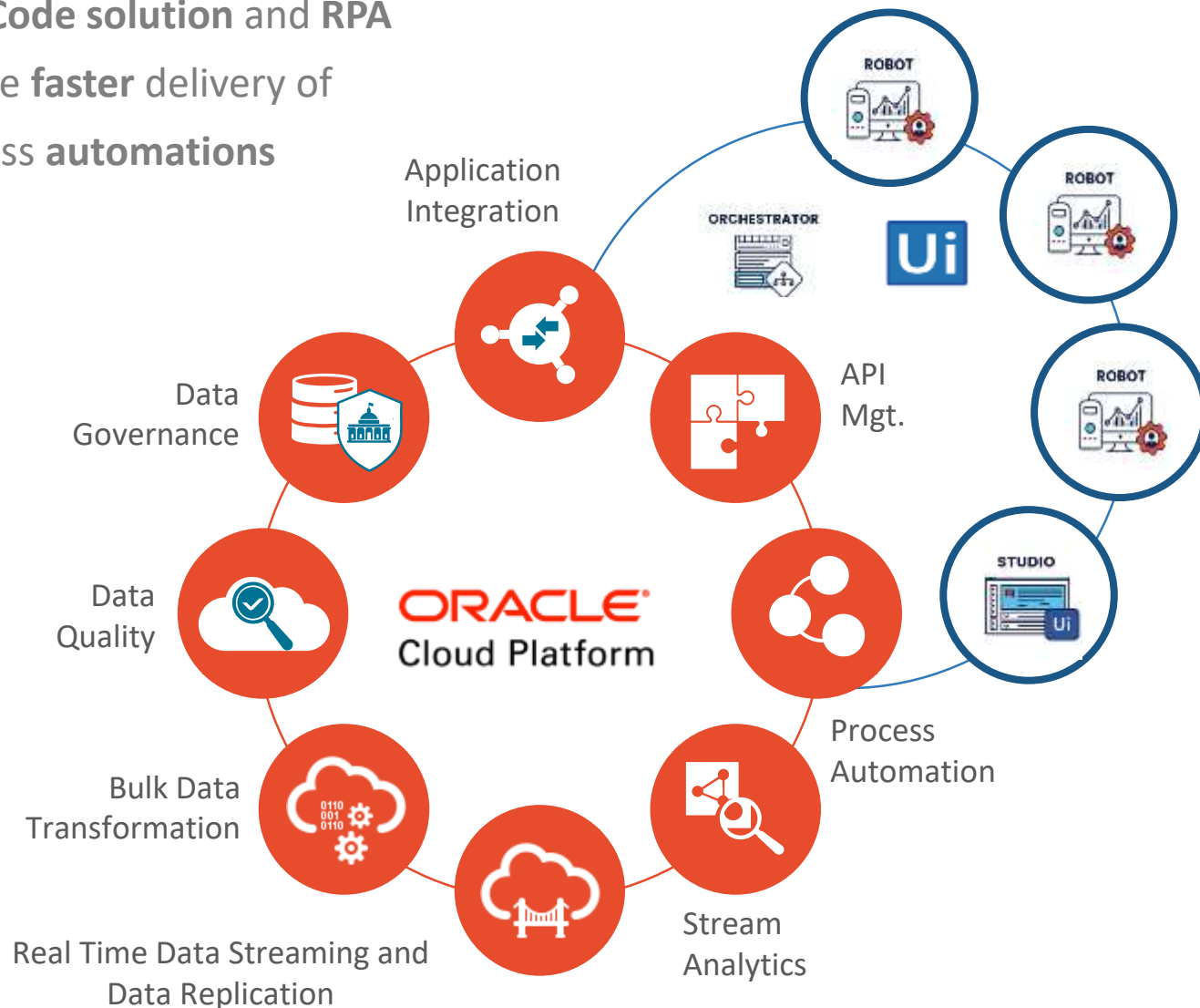




Integration – Oracle Cloud Services

NEXT

Low Code solution and RPA
enable **faster** delivery of
process **automations**



4. Self-Service Integrations
as Recipes realizing the
Digital-Worker-as-a-Service

3. Integration Cloud Service
100+ Adapters to leading Application
Services to UiPath RPA

2. Process Cloud Service
Process Automation Orchestration at
large scale and exception handling

1. UiPath Process Designer
Rapid Process Prototyping
Record and play modeling

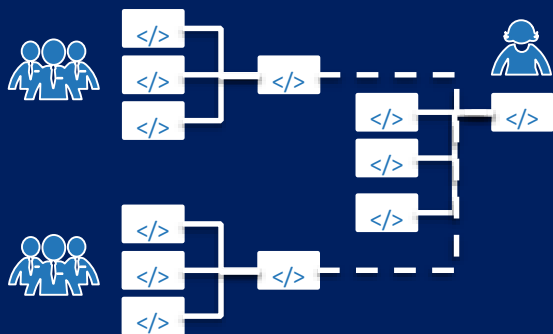


NEXT Shared best-practices and re-useable solutions in a UiPath Marketplace

1

Global Shared Activity Libraries

- re-usable of UiPath activities / processes / components libraries
- RPA Run Framework Additional Source Control Libraries (e.g. Github)

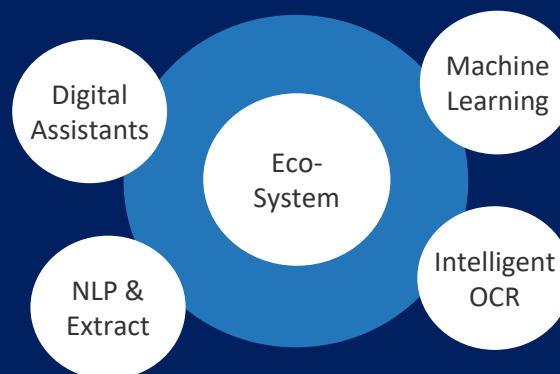


2

UiPath Eco-System Marketplace

RPA Solution Store

- AI Technology Solutions
- BPM and DPA Systems
- ITSM Solutions e.g. Servicenow

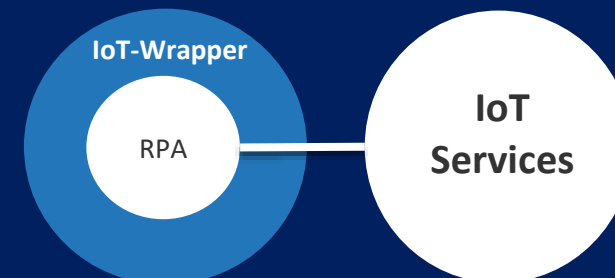


3

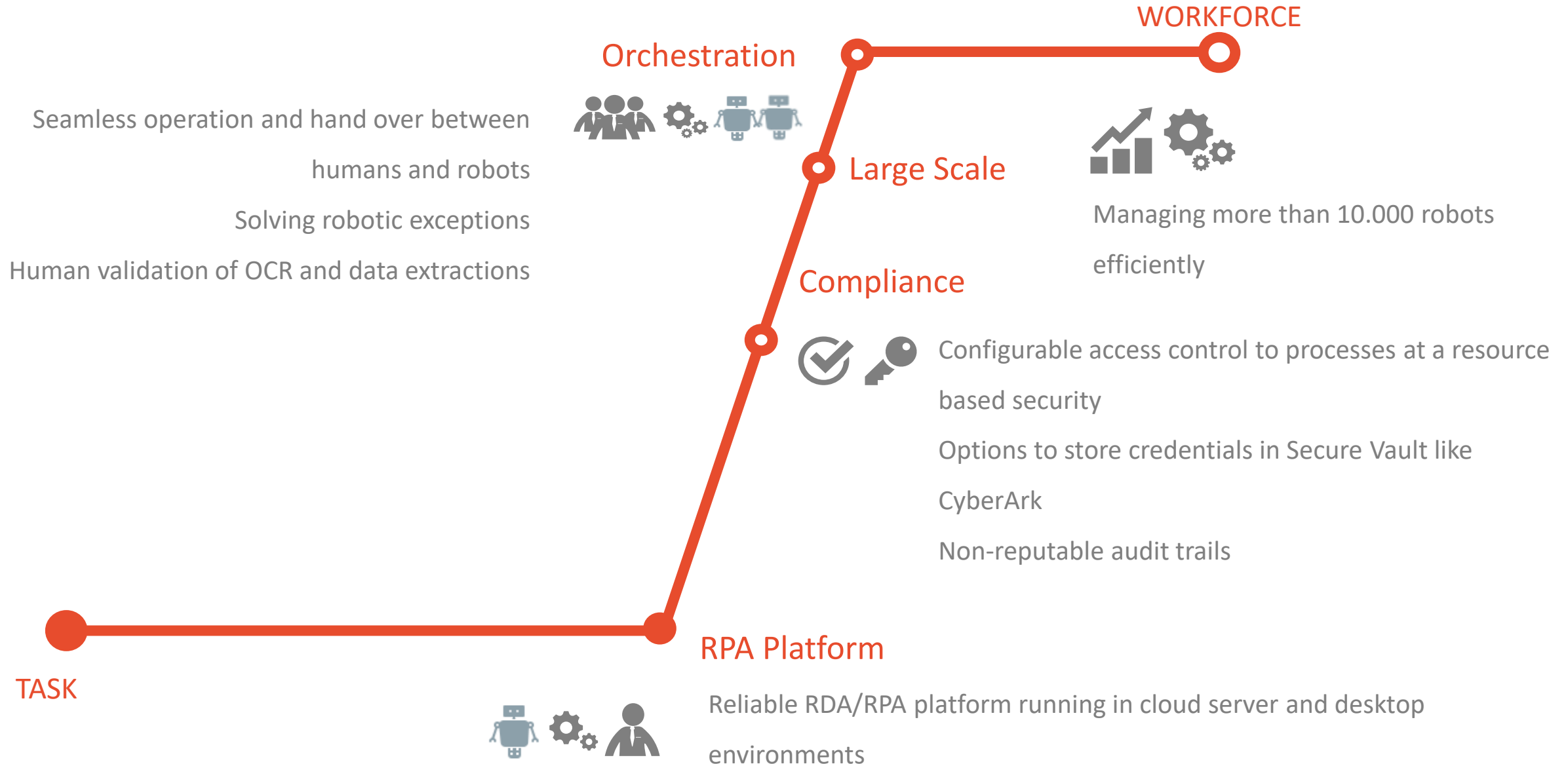
UiPath RPA/ IoT Solutions

Digital Process Service

- Oracle Self-Service Integrations
- Oracle Integration Cloud
- NodeRed, Zapier, Mulesoft



Scalability Challenges



Compliance

NEXT

Stronger Risk and Compliance

Security Manual & FAQ to address
Enterprise IT security

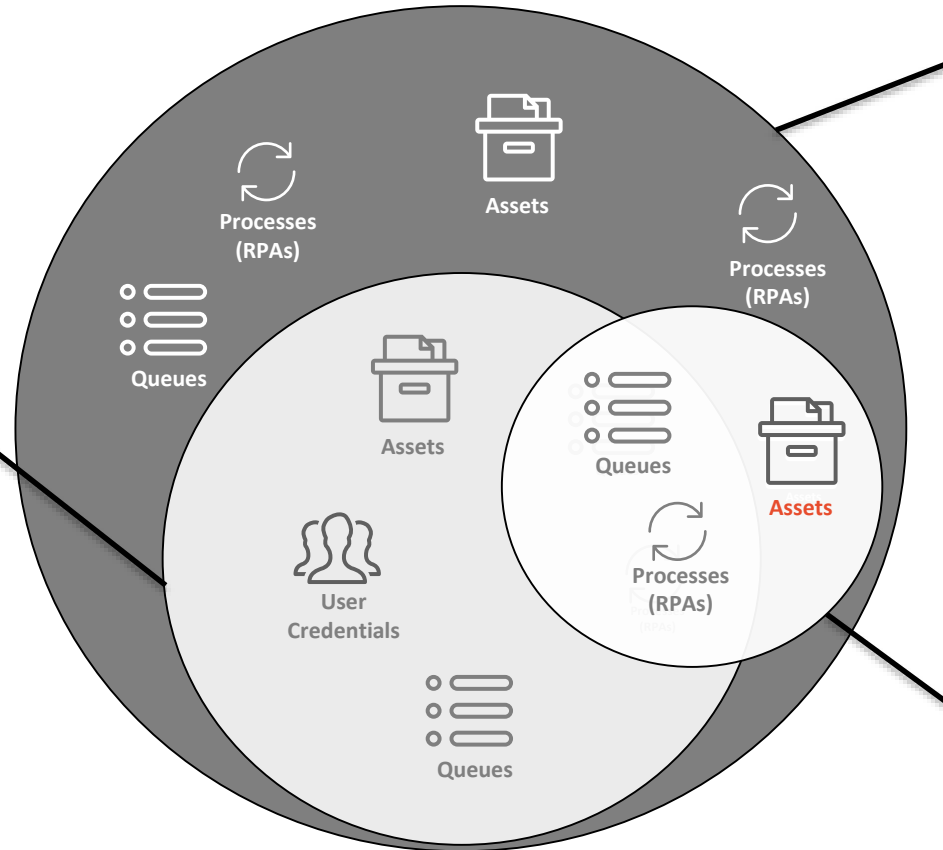
Beyond role-based
security enablement



ROLE



Audit penetration tested
(AUJA, LFAB, SonarQube,
Veracode) already!



PROCESSES & DATA STRUCTURES

Government and

Resources with a higher granular level
of control

Additional **CyberArk** extensions

Additional **Audit Trails**

Data masking

Work Queue **Encryption**



Municipalities



RESOURCES

Large Scale

Industrial Scale Architecture

NEXT

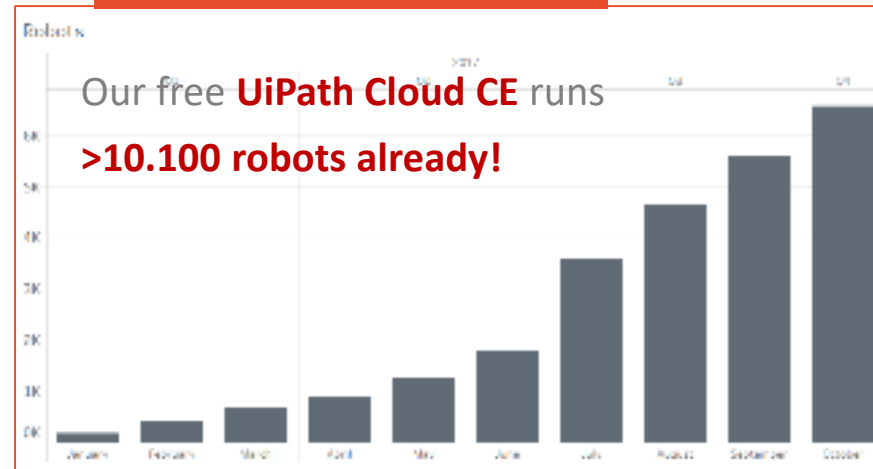
Automated **Intelligent scheduling** of process automations

Efficient utilization of the infrastructure

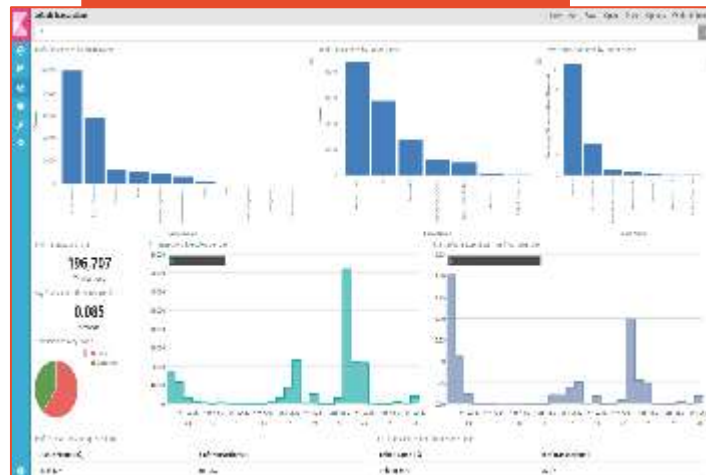
Automatic scalability to meet SLA using predictive analytics

Scale up/down the infrastructure on demand to optimize cost

Large Single Cloud Example



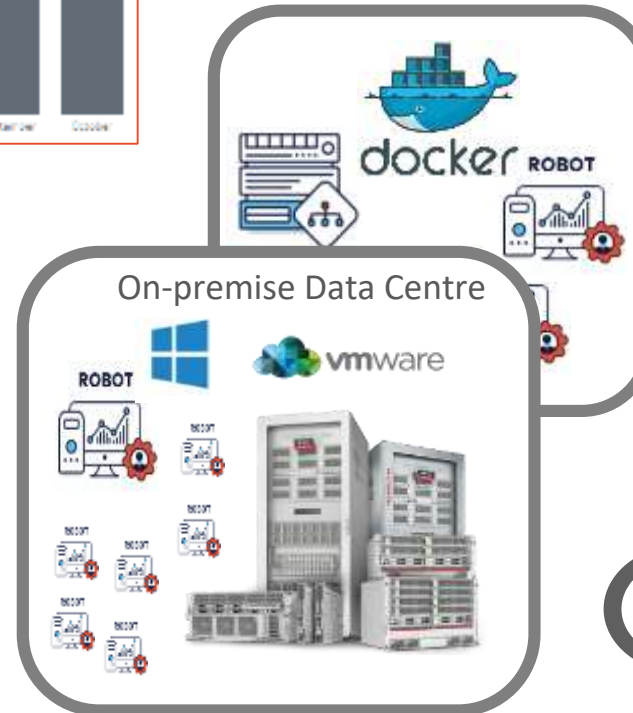
Monitoring & Alert



Integrated Infrastructure Virtualization



On-premise Data Centre



IaaS Ready

Since Rel. 2016.2





Orchestration

NEXT

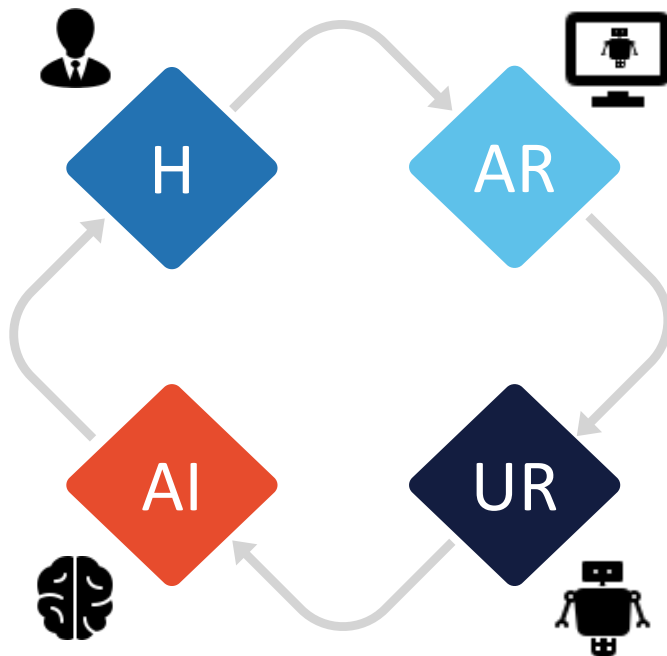
Dynamic Human, Robot and AI Orchestration at large scale

Human

Exception Management
Training of cognitive models
Advanced decision making

AI Platform

Unstructured to structured data
Decision making
Supervised learning from exceptions



Attended Robot

Virtual Assistant



Digital Process Automation of IoT and RPA Services



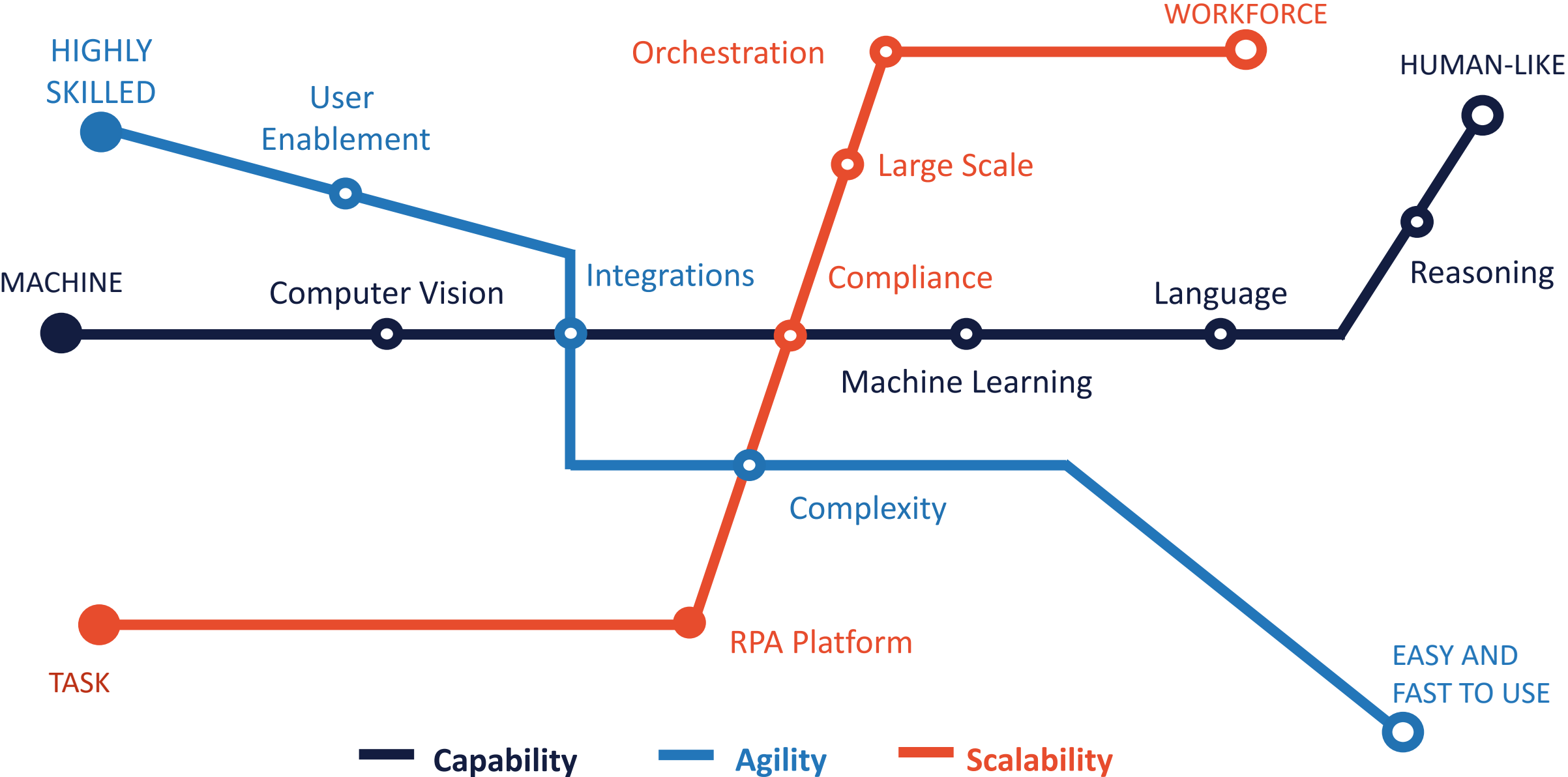
Unattended Robot

Transaction Processing

Task Collaboration & Case Management



The 'metro map' of RPA & AI Challenges



Roadmap Schedule

2017.1

Oct 2017

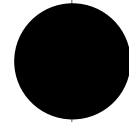


Large Scale Platform

Designed to scale in a resilient configuration & fastest to deploy and run process automations

2018.1

Q1 2018



Enterprise Growth Platform

Super scalable, highly secure and tightly integrated with Cognitive Services

Capability

- Enhanced OCR
- Japanese/OCR Kanji Support
- ABBYY FlexiCapture Integration
- Predefined RPA Dashboards (Kibana)

Agility

- [Robotic Service Orchestration](#) Integration (Enate)
- [UiPath Academy](#) in French
- [Flexible Licenseing Support](#)
- [BPM/Case Mgt. Integrations](#) (Oracle PCS, Newgen iBPS)
- [Best-Practice RPA Run-Framework](#) for large scale

Scalability

- [>10,000 Robot Configuration](#)
- [Extended Auditing Features](#)
- [Oracle UiPath Edition](#)
- [ElasticSearch Shield Support](#)
- [Hardened RPA Security Features](#)
- [Human-to-Robot Work queue Orchestration](#)

2017.1

Oct 2017



Large Scale Platform

Designed to scale in a resilient configuration & fastest to deploy and run process automations

2018.1

Q1 2018

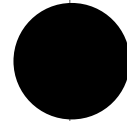


Enterprise Growth Platform

Super scalable, highly secure and tightly integrated with Cognitive Services

2018.2

Q3 2018



AI-Human-Robot Orchestration Platform

Expansion of Cognitive Services and enabling business users to work with intelligent robots

Capability

- Deep Learning Robot
- IPA System (Intelligent Process Automation System Version 1)
- AI/ML Activity Libraries
- Process Intelligence (PI) and UiPath Smart Recorder
- Localization Support
- Cognitive & Machine Learning Integrations (Google, IBM Watson, Microsoft, ABBYY)

Agility

- UiPath Marketplace supporting an AI Eco-System
- Digital Assistant Integrations
- Enhanced Academy Trainings
- More BPM/Case Mgt. Partners
- Best-Practice RPA and Activity Libraries
- IoT Service Connectors

Scalability

- MS SharePoint Case Mgt. Intro
- Oracle UiPath Edition Extensions (SSI, ICS, PCS Support)
- UiPath Managed Service Edition
- Data Analytics Enhancements
- Resource-Based Security
- Non-persistent VDI (Citrix, VMware, App-V, etc.)
- Intelligent process workload balancing

Roadmap Schedule

2017.1

Oct 2017



Large Scale Platform

Designed to scale in a resilient configuration & fastest to deploy and run process automations

2018.1

Q1 2018



Enterprise Growth Platform

Super scalable, highly secure and tightly integrated with Cognitive Services

2018.2

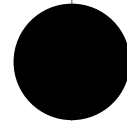
Q3 2018



AI-Human-Robot Orchestration Platform

Expansion of Cognitive Services and enabling business users to work with intelligent robots

2019



The Digital Workforce Platform

A digital workforce platform as turn-key solution with initial self-learning capabilities

Capability

- IPA System with configurable 3rd Party AI Services
- UiPath “AI Studio”

Agility

- Activity Libraries for ERP/CRM Integrations Servicenow, SAP BAPIs, Salesforce
- Industry Solution RPA Bundles
- RPA Navigator launch

Scalability

- Infrastructure Virtualisation for Robots
- UiPath RPA Managed Services
- UiPath Oracle Cloud Edition (e.g. Oracle DIBAS)
- Intelligent Robot Scheduling
- Github Integration



Thank you

(email) boris.krumrey@uipath.com



UiPath 2018.1 Preview

JANUARY 2018

Andrew Rayner

UiPath Product Priorities for Enterprise RPA

The Leading Enterprise RPA Platform



Big Scale	Ready for enterprise-wide challenges
Security	Defense-grade security and auditing
Path to AI	Building-in learning, experience and sophistication into every process
Ease of Use	Rapid and intuitive design and implementation
Ecosystem	Supported by great partners implementing, training and integrating to the UiPath Platform

Big Scale

Security

Path to AI

Ease of Use

Ecosystem

2018.1 Scalability Features

KEY HIGHLIGHTS

- Centralized configuration management of attended and unattended robots
- Enhanced audit and added execution logging
- Human-to-Robot Work Queue Orchestration (comment, assign, history)
- 10K Platform



Big Scale

Security

Path to AI

Ease of Use

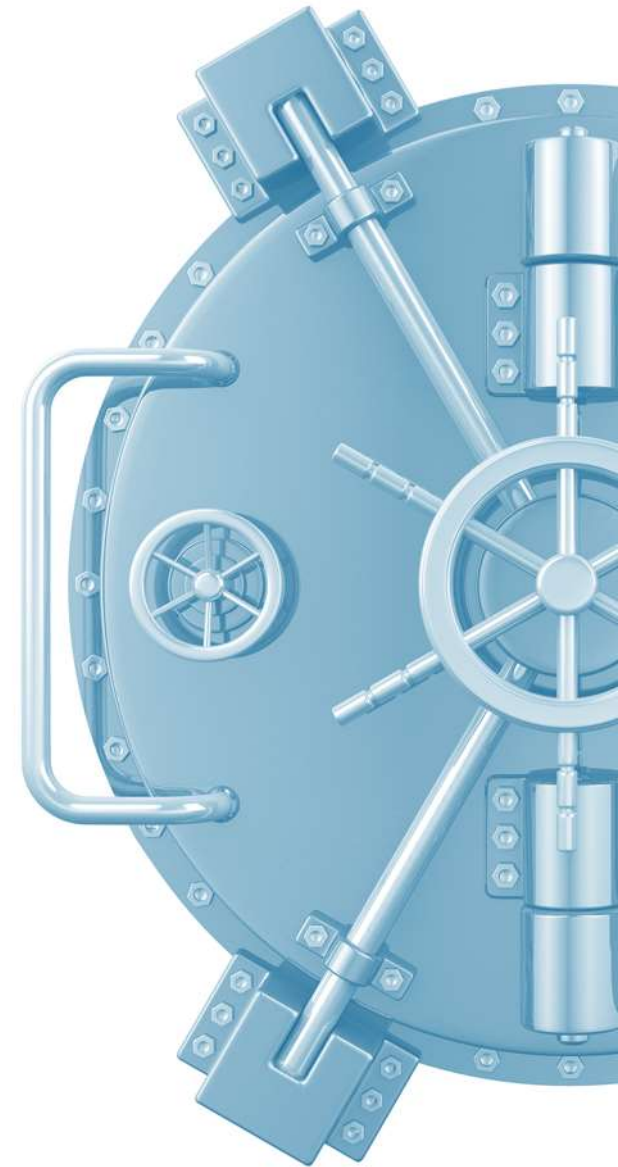
Ecosystem

2018.1 Security and Compliance Features

The Leading Enterprise RPA Platform

KEY HIGHLIGHTS

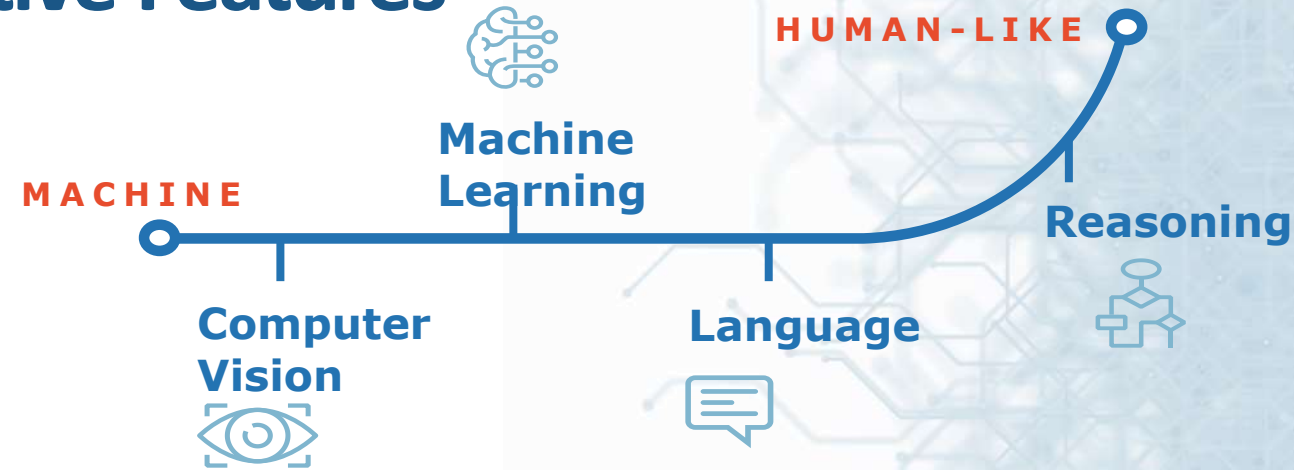
- Protection of Workflow Files
- Enhanced password policy and reset mechanism for Orchestrator
- Login History
- Improvement of Response and Security Headers
- Elastic Search Shield Integration



800-53 (Rev. 4)



2018.1 Cognitive Features



KEY HIGHLIGHTS

- Intelligent OCR with ABBYY FlexiCapture (18.1.1)
- Improved Computer Vision (Tesseract 4.0)



Big Scale

Security

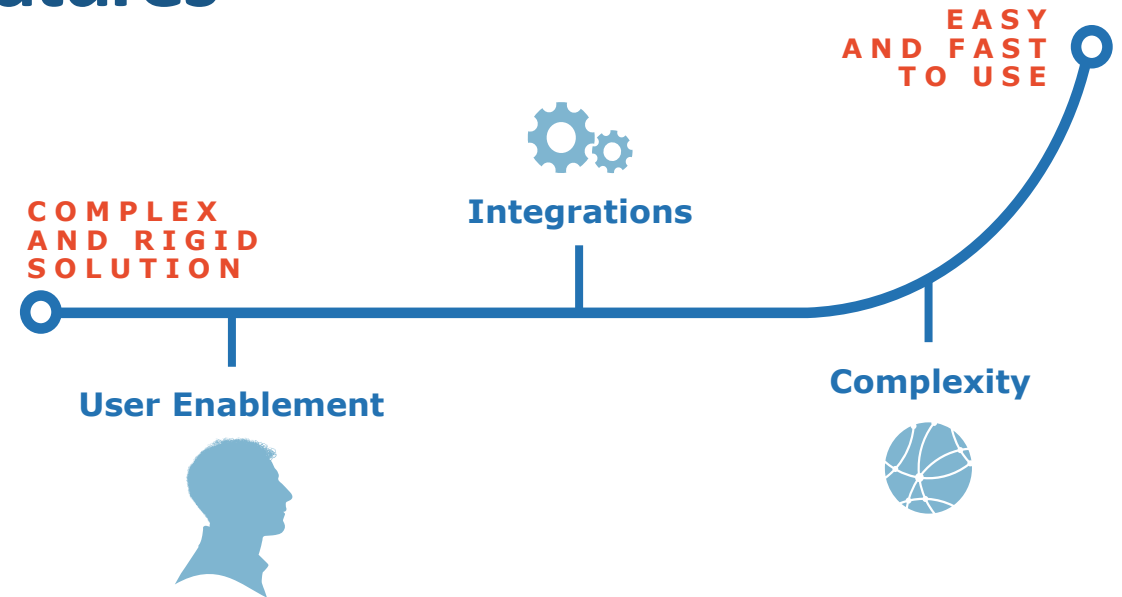
Path to AI

Ease of Use

Ecosystem

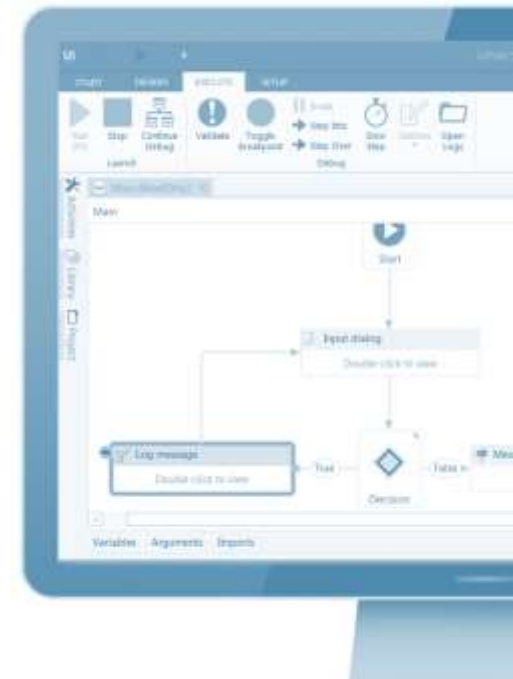
2018.1 Agility Features

The Leading Enterprise RPA Platform



KEY HIGHLIGHTS

- RPA Marketplace
- Improved Orchestrator Activity Pack
- Kanji Compliance
- Japanese Localisation
- Kibana Dashboards
- Screen Object Selector Features





Big Scale

Security

Path to AI

Ease of Use

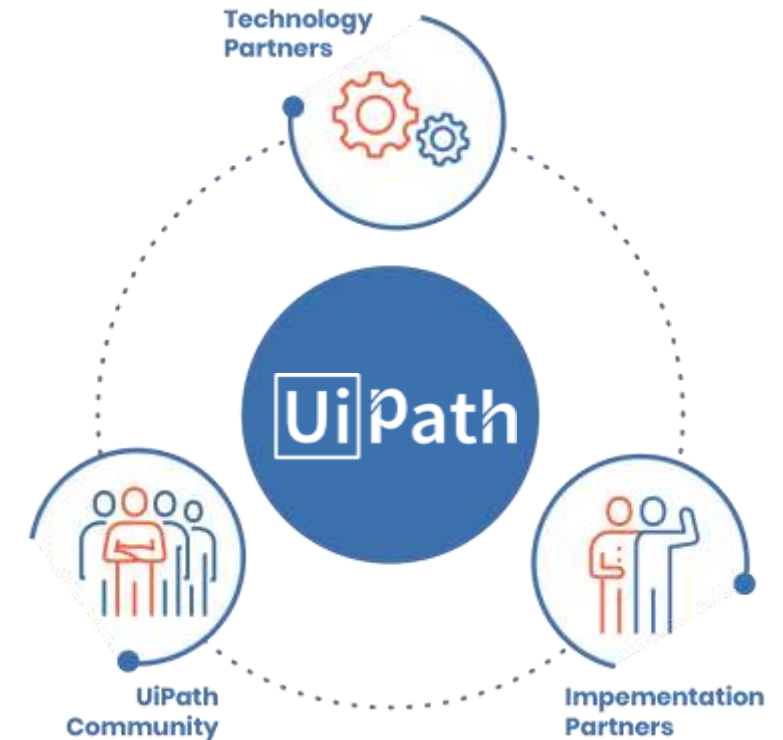
Ecosystem

2018.1 Capability and Integrations

KEY HIGHLIGHTS

- Orchestrator API Enhancement
- Newgensoft Integration
- Oracle Integration
- Enate Integration

The Leading Enterprise RPA Platform

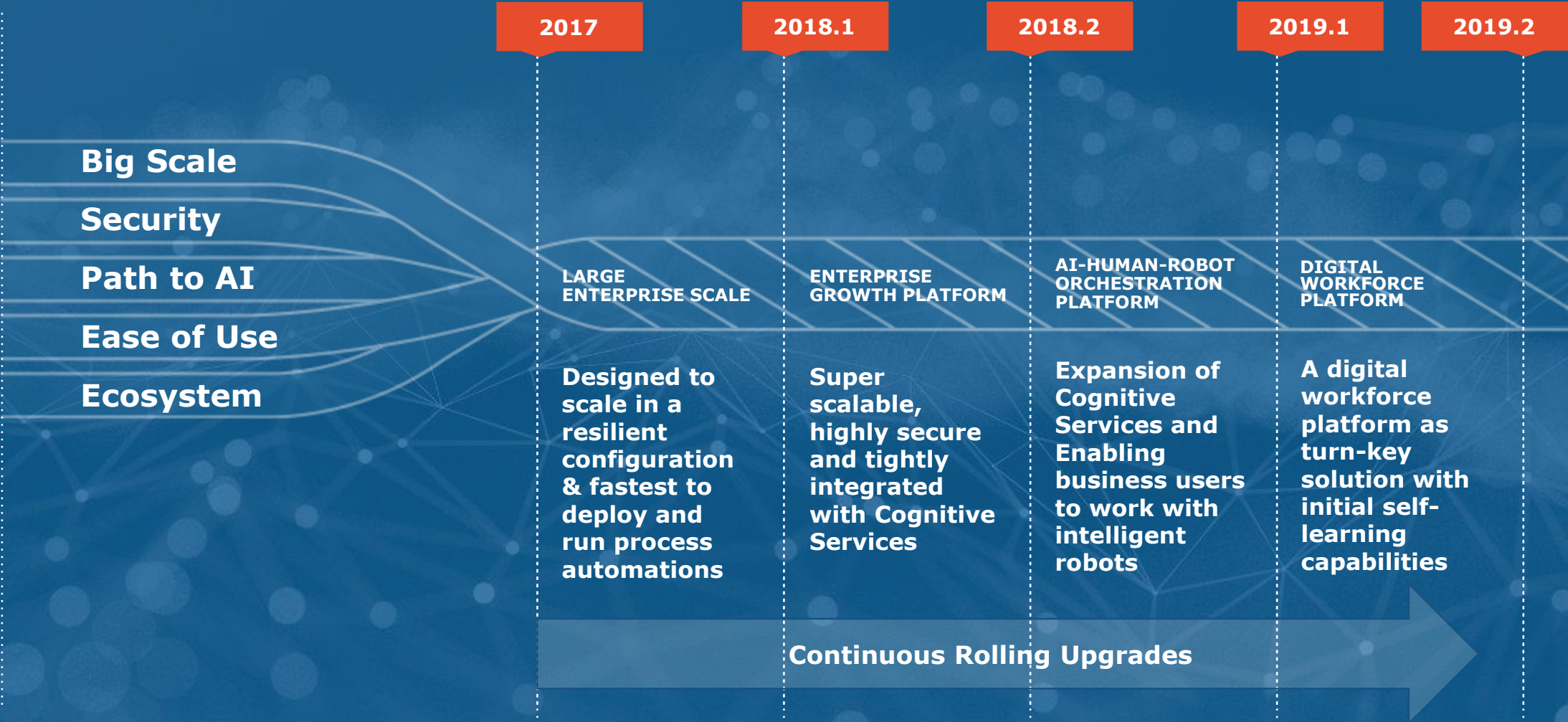


The Only Enterprise RPA Platform



Thank You

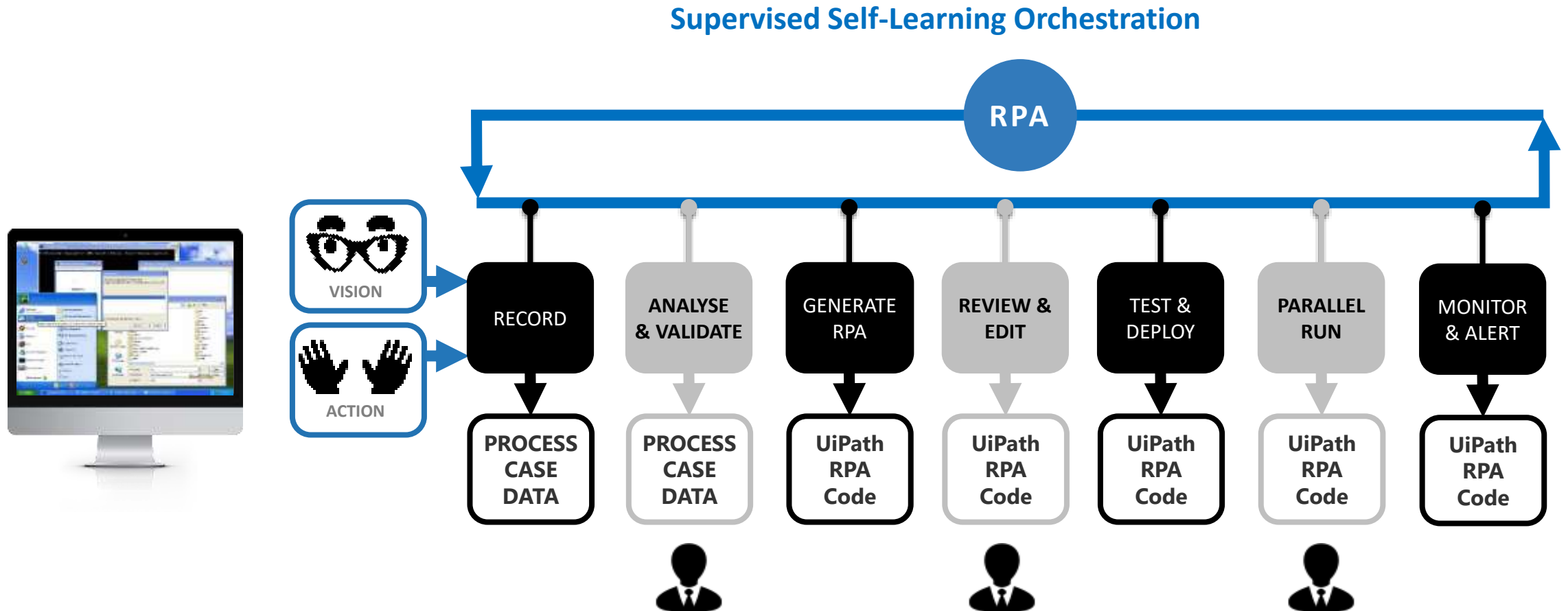
The UiPath Product Roadmap



Reasoning - A Supervised Self-Learning

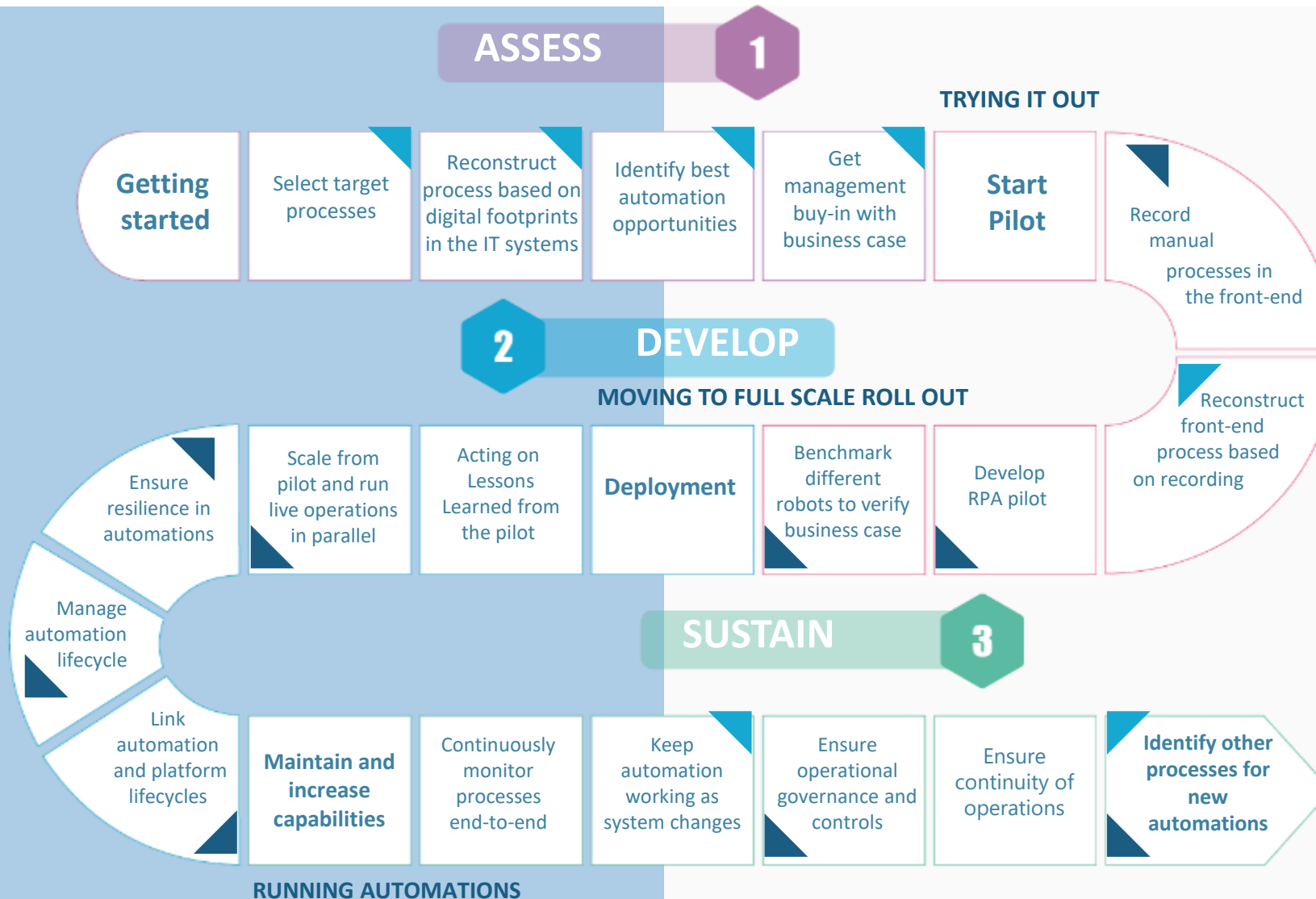
NEXT

Self-Generating Process Automation with the Human-in-the-Loop design the Supervision does not depend on Data Scientists but on Business Users and CoE Experts



Reasoning - A Supervised Self-Learning

The Fast Lane to RPA Success



Celonis supported

UiPath supported