



Intelligent Automation

Technology Showcase

Introduction to K2



Foundational pillars of Intelligent Automation



Digital Process Automation (DPA)

“turning human-centric manual or paper processes into digital apps requiring compelling and informative user interfaces and continuous availability.”



Robotic Process Automation (RPA)

“the execution of repetitive, replicable tasks that humans would otherwise have to perform”



Artificial Intelligence (AI)

“broad term for technology that uses data to “think” more like humans, making sense of large streams of data”

K2 Process Automation Platform

Bringing IT and business together



Workflows

Powerful workflow without code



Forms

Feature-rich forms



Integration

Integrate with anything



Analytics

Deeper insight



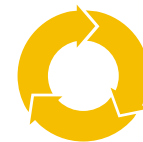
Mobile

Make Apps mobile



Security & Governance

Control and compliance



Deployment

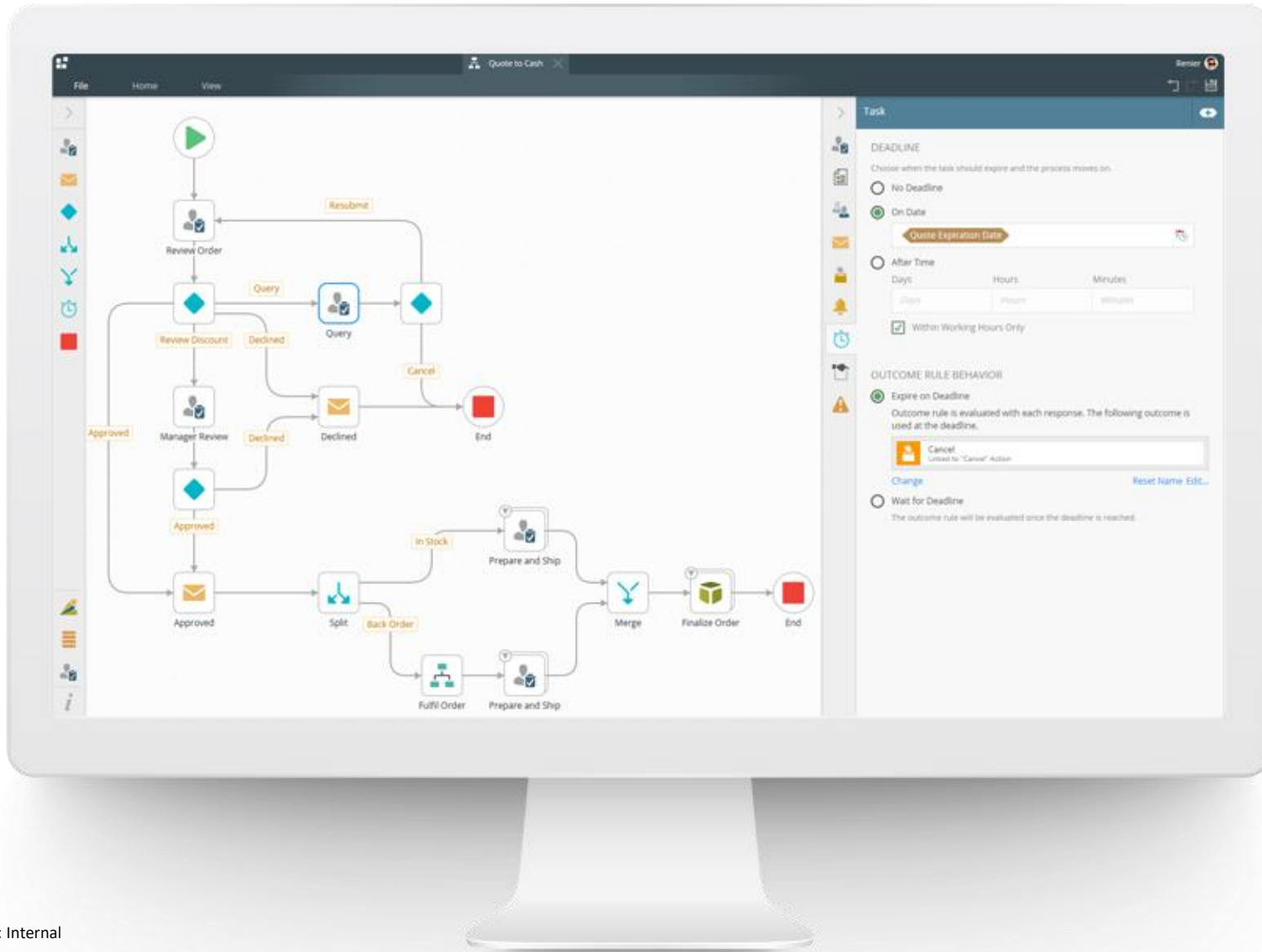
Choice of Deployment



Pre-built apps

Build Apps faster

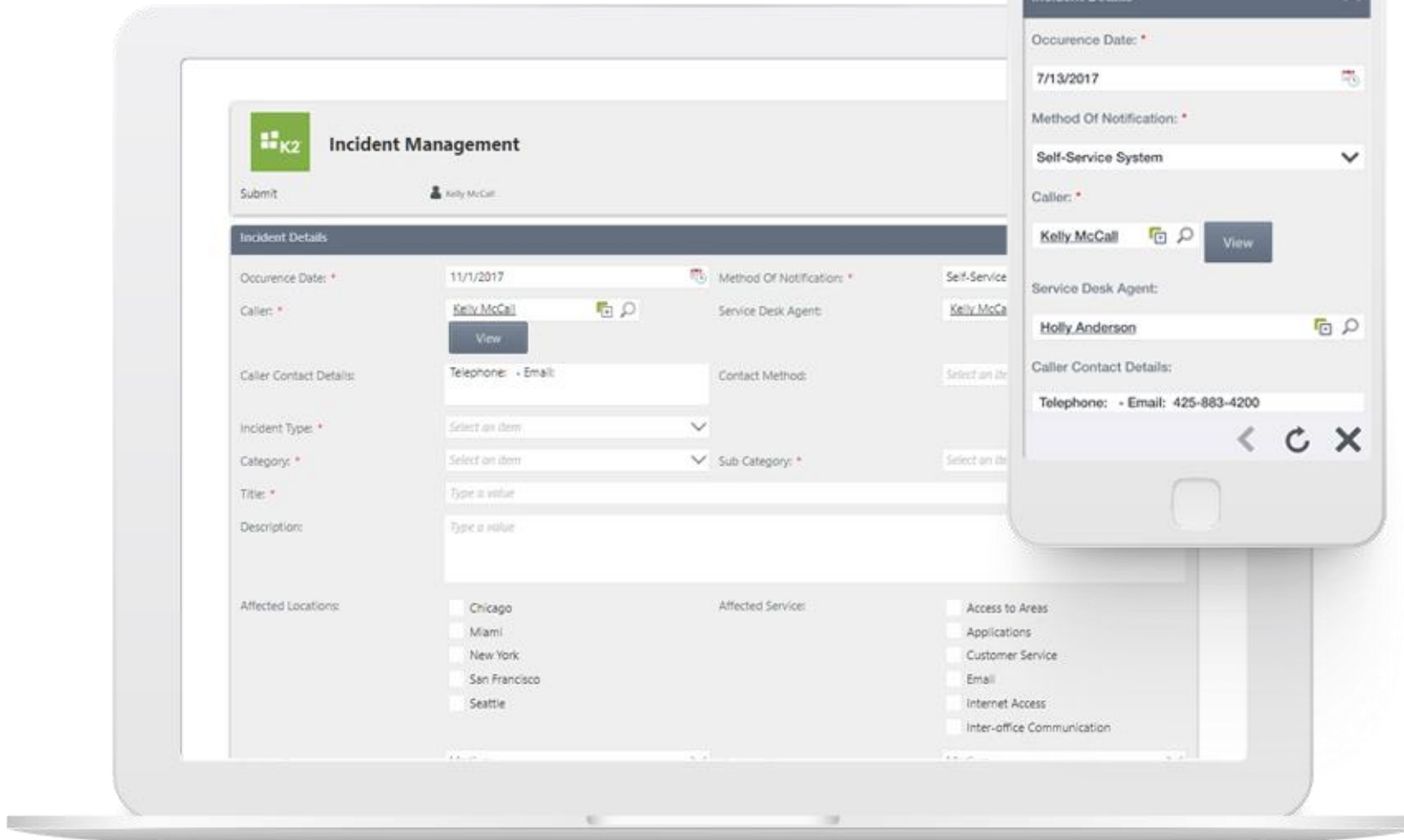
K2 CAPABILITIES



Workflow

- Visually design complex and simple workflows
- Rework, parallel approvals, sub processes and more
- Incorporate business rules
- Drive process with escalations and reminders
- Real-time workflow validation and SmartAssist that accelerates design
- Automatic version control

K2 CAPABILITIES



Modern User Experience

- Rich UX from multiple data sources
- Powerful business rules for data validation and dynamic display logic
- Build a form once, use on any device
- Embed within third-party solutions

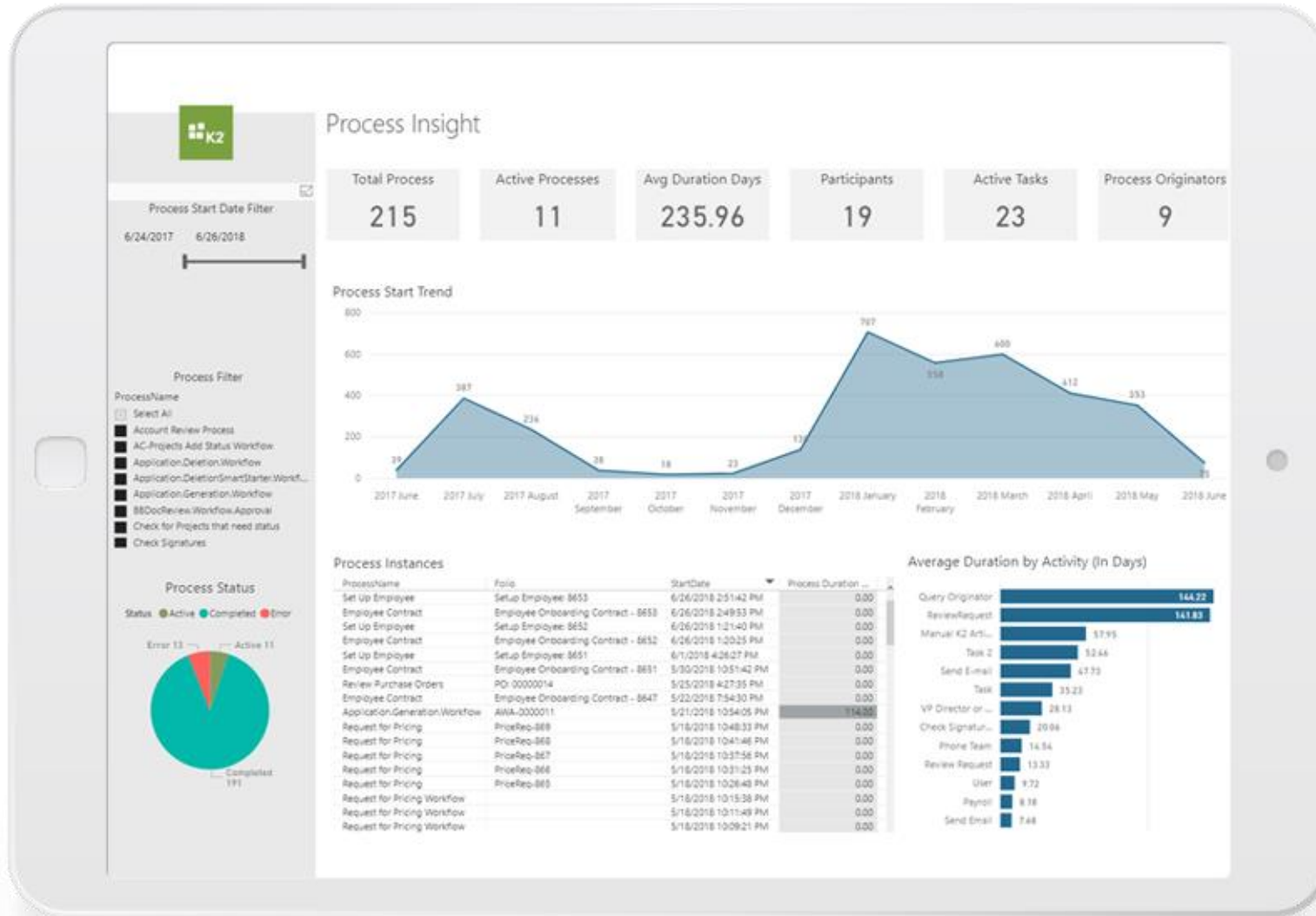
K2 CAPABILITIES



Integration

- Visually configurable connectors
- OOB integration with industry-leading solutions
- Leverage native security
- Aggregate data from multiple LOB systems
- APIs and SDKs for developers

K2 CAPABILITIES



Reports and Analytics

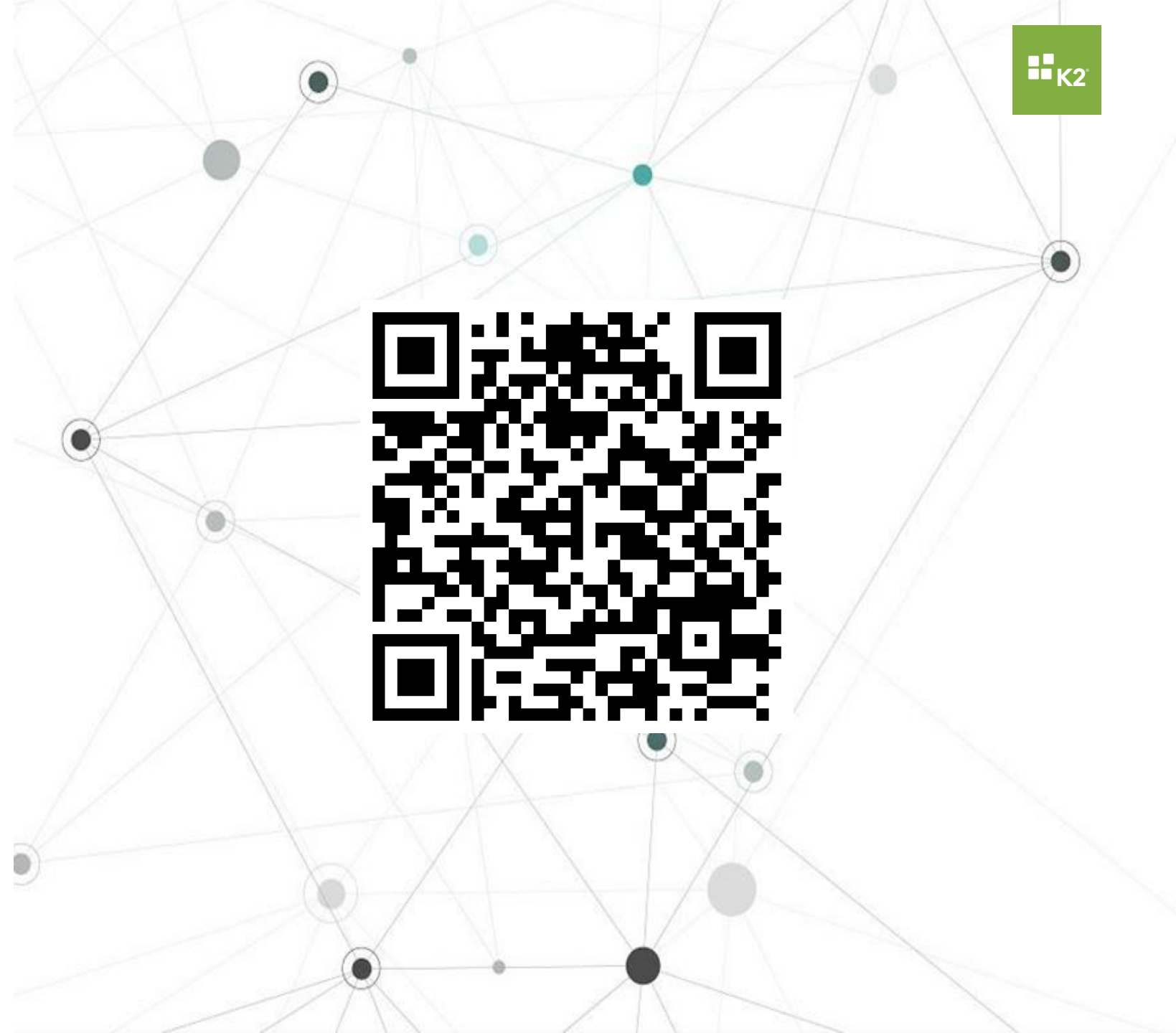
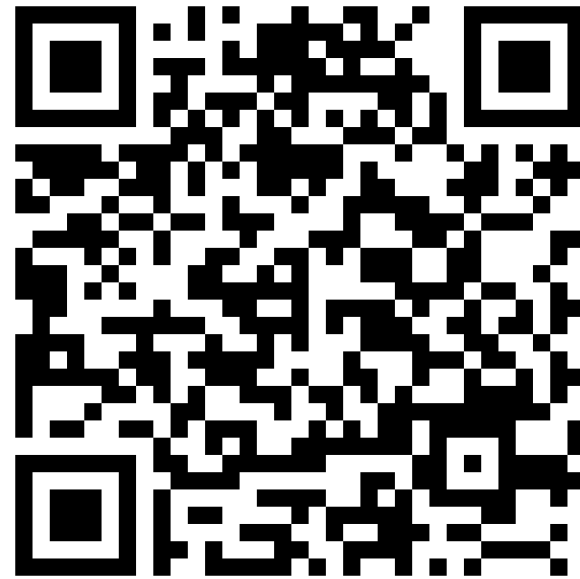
- Out-of-box process reports
- Real-time graphical insights
- Create reports using third-party tools like PowerBI
- Use third-party cognitive services and machine learning

Live build with K2





Intelligent Q+A



Introduction to UiPath

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Your Platform for End-to-End Automation

Let's call it *hyperautomation*



What is Robotic Process Orchestration?

Emulates the work of a human agent, using existing UIs to drive applications and execute system-based work.



It automates repetitive, rules-based tasks.

“RPA takes the robot out of the human”

Humans vs Robots



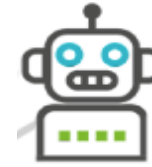
Creativity and
Innovation

Verbal Communication

Subjective Thought

Unstructured
Information

Emotions and
Compassion



Structured Work

Repetitive Tasks

Accuracy and
Consistency

Logical Processing

24/7 Operation

You're hyperautomation-ready with the **UiPath Platform**



Discover

Discover what to automate with process mining powered by AI



Build

Professional developers, citizen developers, and employees create automations



Manage

Securely deploy and manage automations from anywhere, at scale



Run

Robots work with your applications and your people to carry out automations



Engage

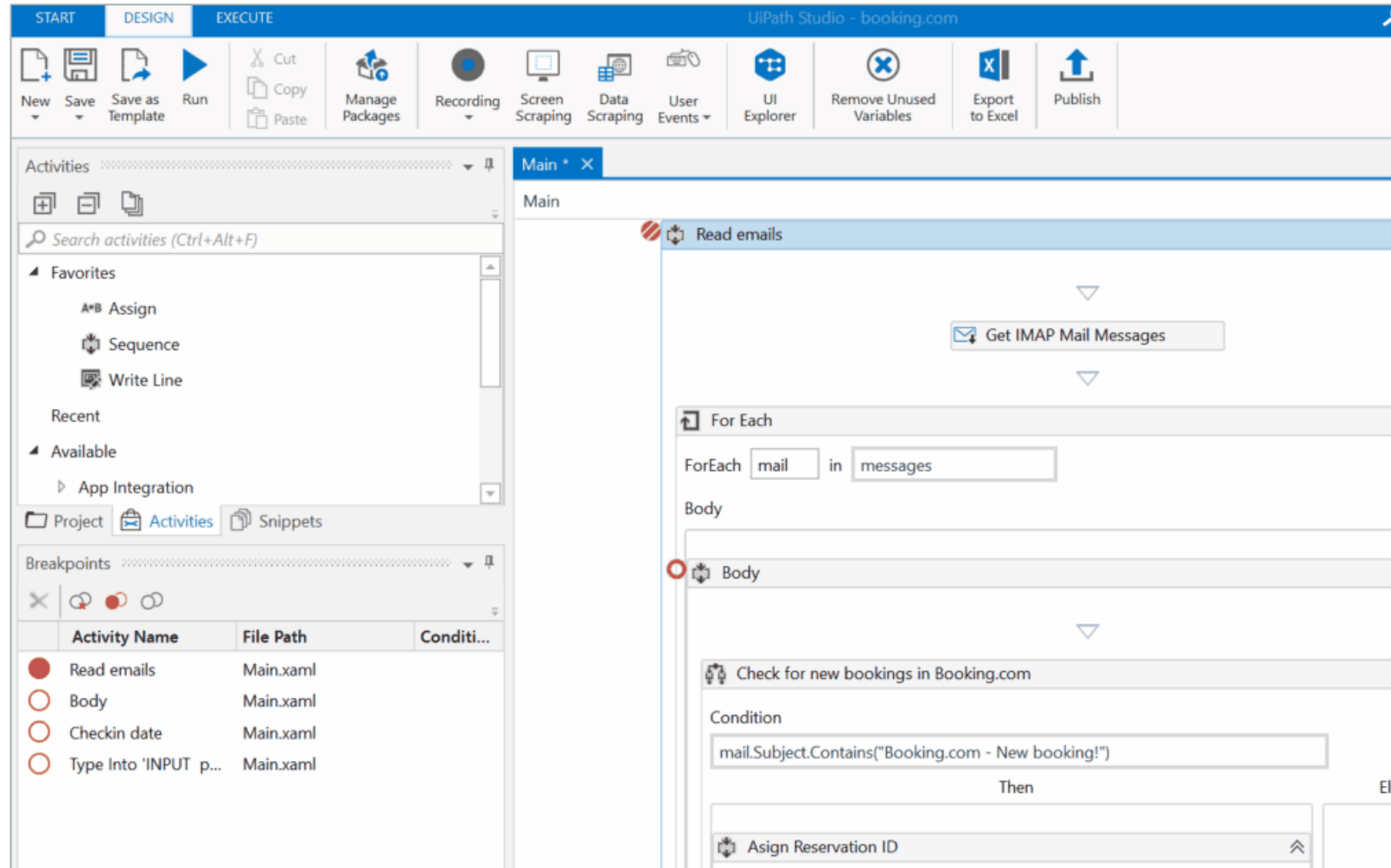
People and robots work together to automate complete processes



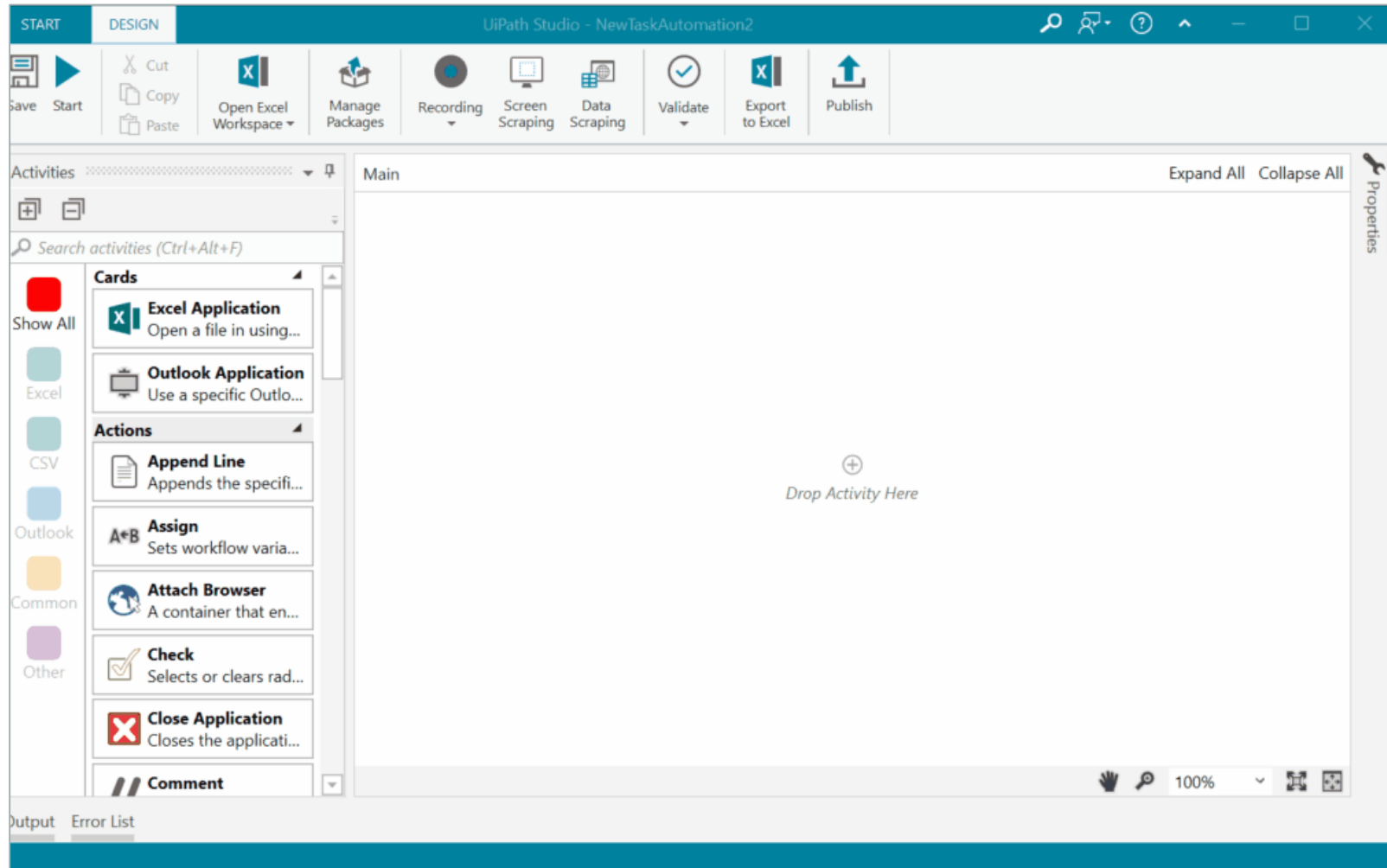
Measure

Embedded analytics give you deep insights into business metrics, not just robot metrics

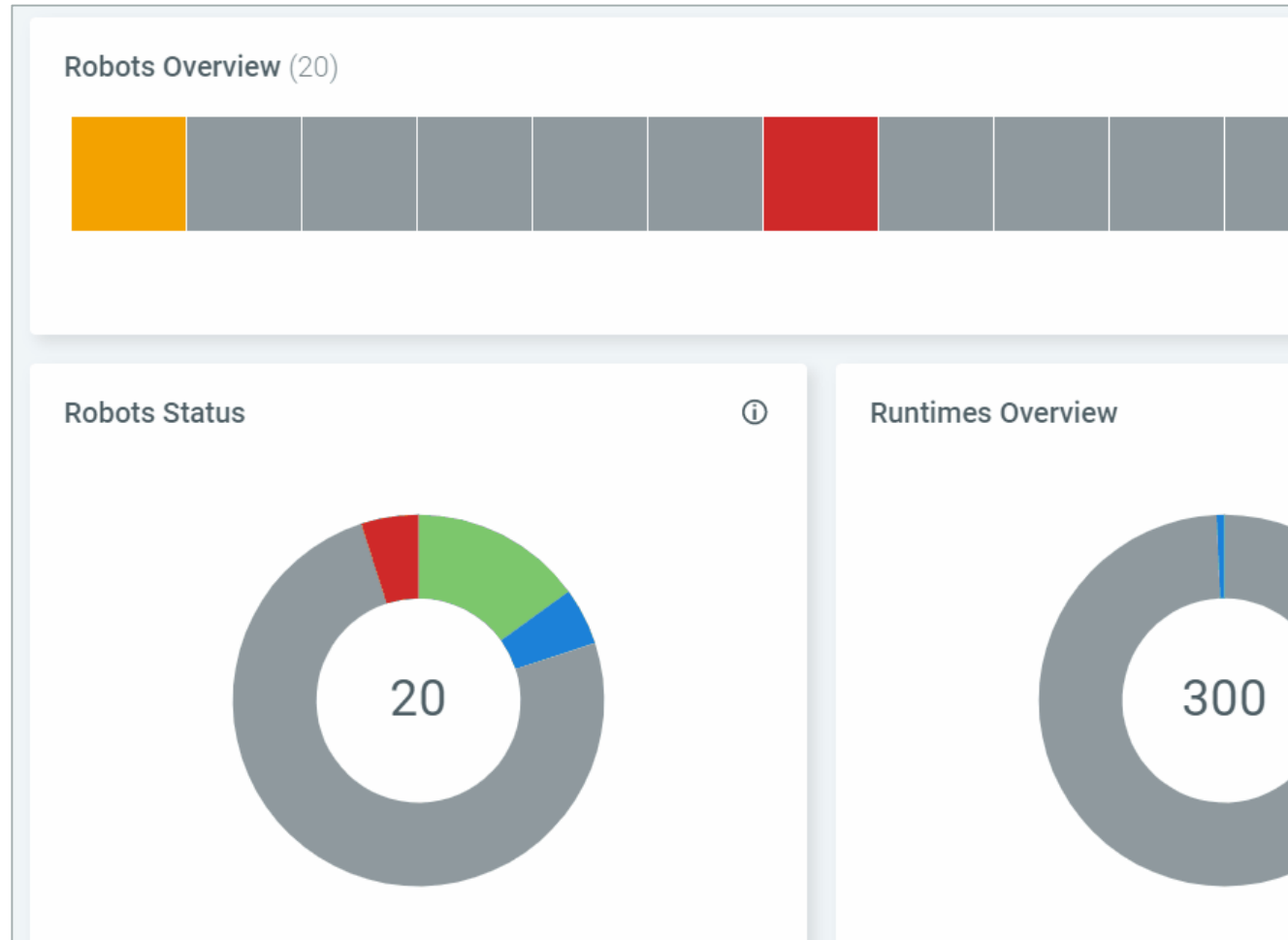
RPA Developers design automations visually in UiPath Studio



Employees chip in as Citizen Developers by automating their own Excel and Outlook tasks in **UiPath StudioX**



Manage and optimize your robot workforce with **UiPath Orchestrator**



On-Premises



Private
Cloud

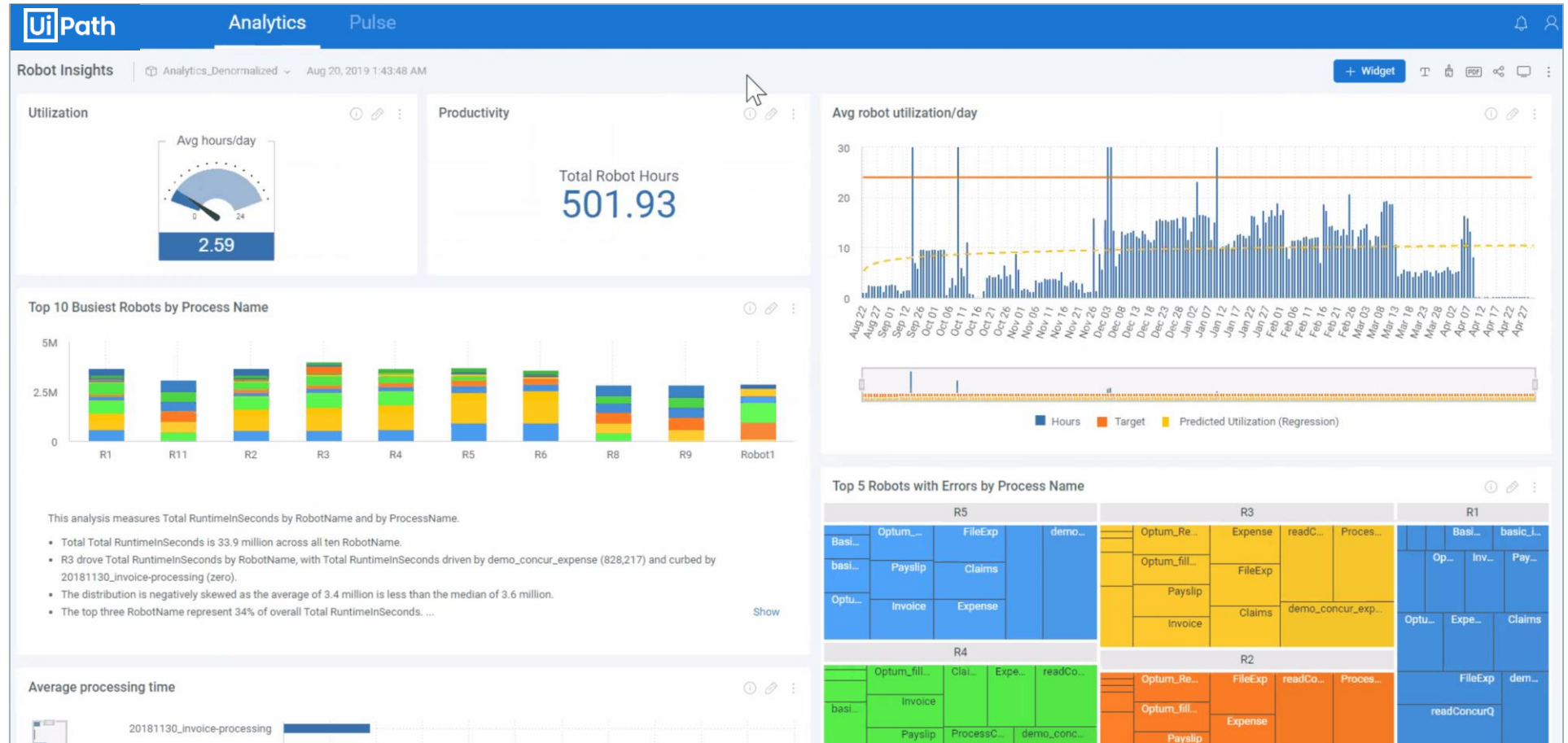


Public
Cloud



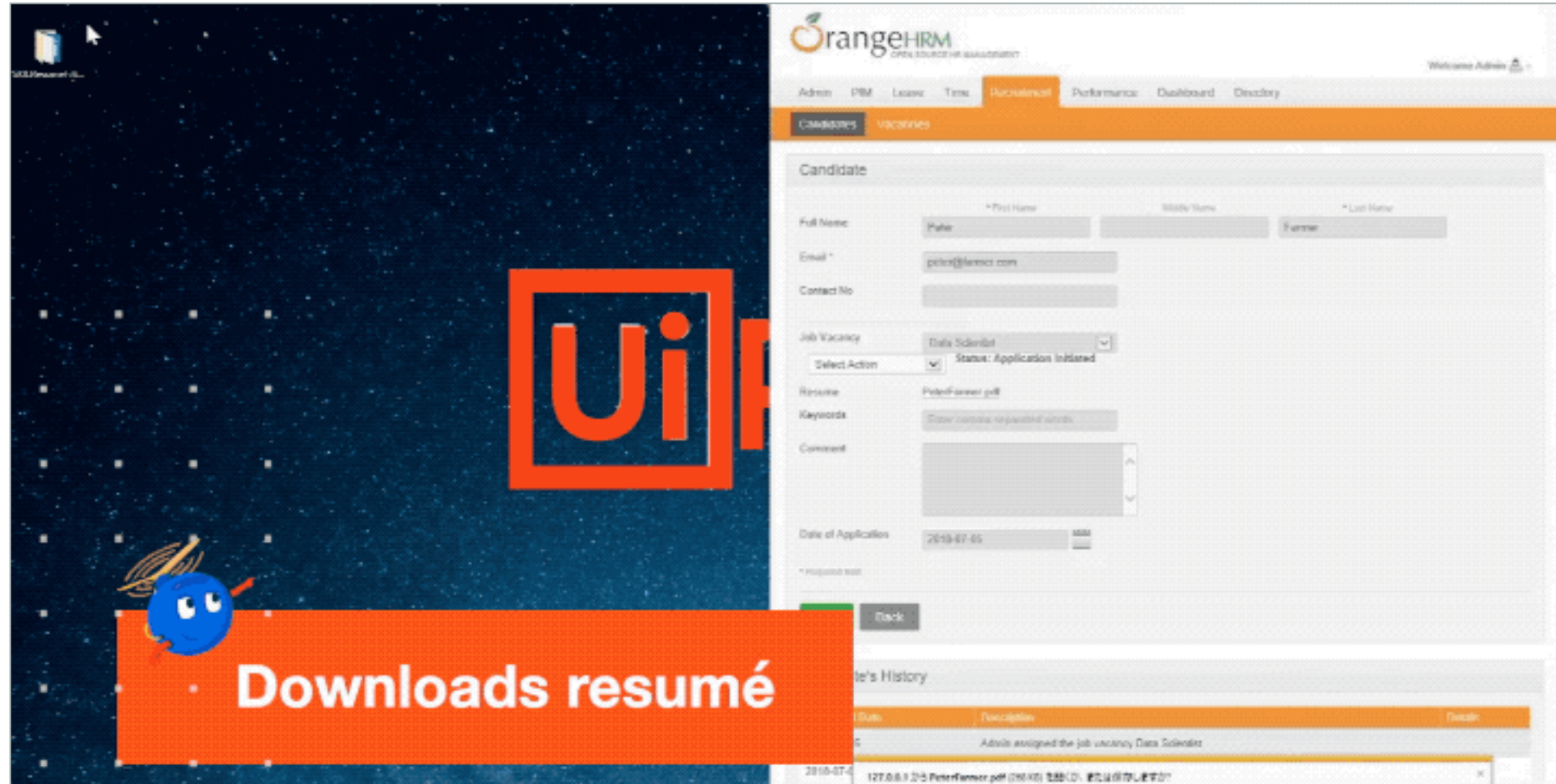
UiPath
Cloud

Measure and analyze automation performance with UiPath Insights



UiPath Robots run the automations you designed

UiPath
Reboot Work.™



The image is a composite graphic. On the left, a blue robot character with a red antenna is positioned on a dark blue space background with white stars. A large, orange-outlined 'Ui' logo is centered in the background. On the right, a screenshot of the OrangeHRM software interface is shown. The interface includes a navigation menu with 'Admin', 'PBM', 'Leave', 'Time', 'Recruitment', 'Performance', 'Dashboard', and 'Directory'. The 'Recruitment' section is active, showing 'Candidates' and 'Vacancies'. A 'Candidate' form is visible with fields for 'Full Name', 'Email', 'Contact No.', 'Job Vacancy', 'Resume', 'Keywords', 'Comment', and 'Date of Application'. A 'Downloads resumé' banner is overlaid on the bottom of the screenshot. The banner is orange with white text and a small robot icon on the left.

Downloads resumé

You decide how your robots work for you

Robots can work **independently**. They'll check in with you if there's a question or exception. We call this **unattended** automation.

Robots can work **under your supervision**. You decide when they stop, start, and wait for you. We call this **attended** automation.

Or use both, in a **hybrid** model.



Live build with UiPath





What about Artificial Intelligence?

~~Task summary check~~ ✓



Artificial intelligence (AI), the ability of a digital computer or **computer-controlled robot** to perform tasks commonly associated with **intelligent** beings



HOW DO HUMANS MAKE DECISIONS?

We Observe

We Interpret

We Evaluate

Then we Decide

INTENT AND CONTEXT





FREE
HUGS



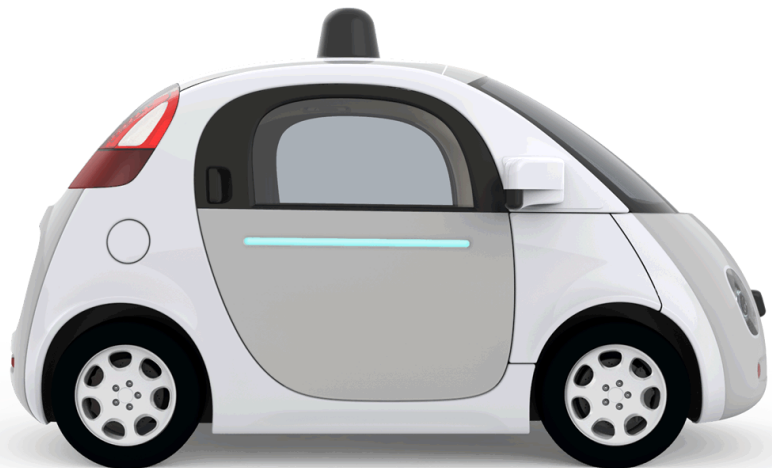
CATEGORIES OF AI

Computer vision
Machine learning
Natural language processing
Robotics



COMPUTER VISION

“Machine processing raw visual input, such as an image or video file, and using its intelligence to understand what it is seeing”



NATURAL LANGUAGE PROCESSING

“Natural language processing (NLP) the application of computational techniques to the analysis and synthesis of natural language and speech.”

Optical Character Recognition

Converting written or printed text into data.

Speech Recognition

Converting spoken words into data.

Machine Translation

Translating text from one language to another.

Natural Language Generation

Formatting information as a natural language.



Sentiment Analysis

Interpreting basic information from language e.g. topic or intent is positive or negative.

Semantic Search

Understanding and answering questions posed in a natural language.

Machine Learning

Using natural language to train artificial intelligence.

Natural Language Programming

Tools that allow end users to create or customize computer programs with natural language.



ARTIFICIALLY INTELLIGENT ROBOTS

“Artificially intelligent robots are the bridge between robotics and AI. These are robots which are controlled by AI programs.”



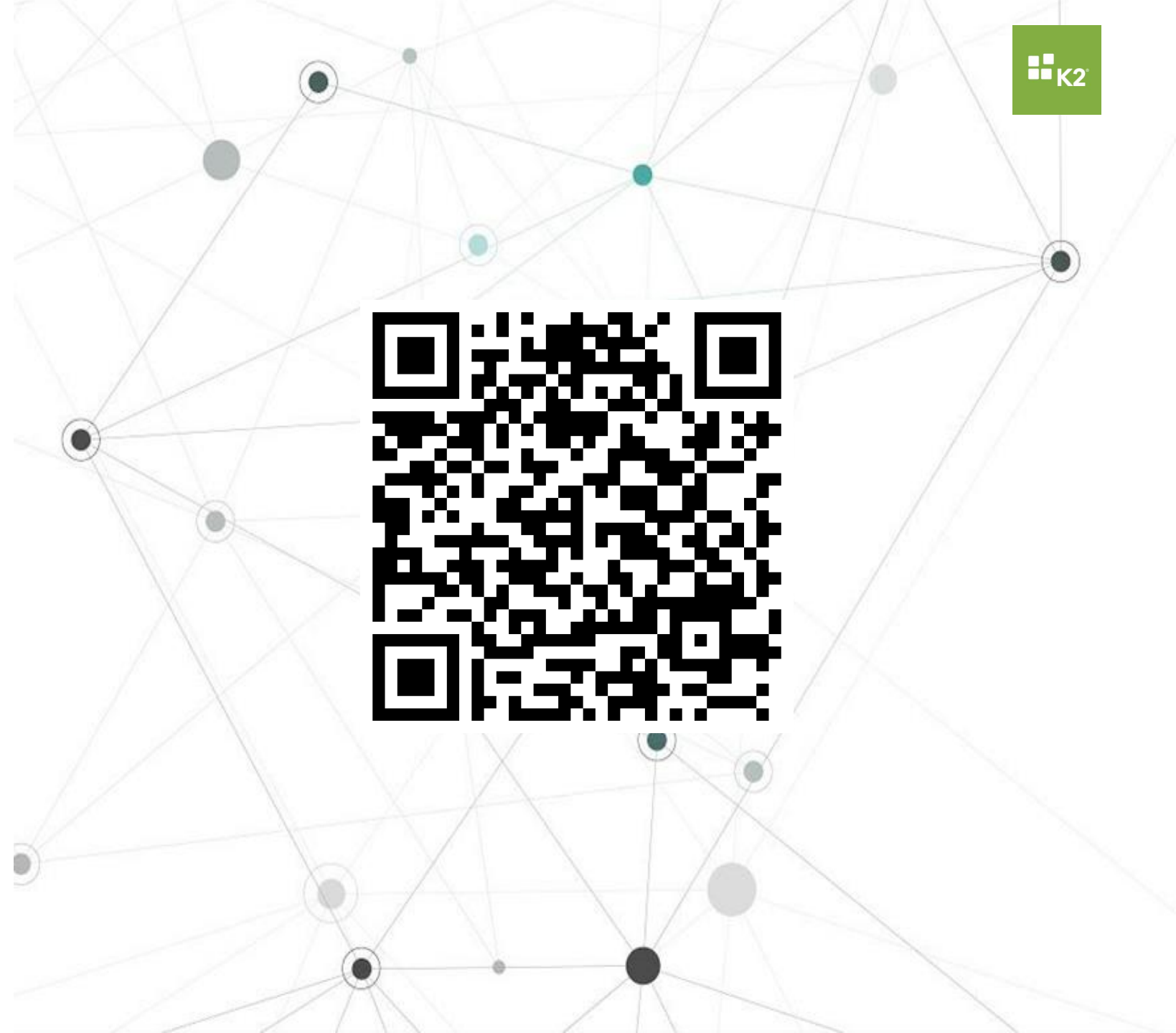
MACHINE LEARNING

“Machine learning is an application of artificial intelligence that provides systems the ability to automatically learn and improve from experience without being explicitly programmed”

Supervised learning We tell it what to think.		Unsupervised learning It thinks for itself.
Classification	Regression (prediction)	Clustering
Is email spam or not?	What is the price of house in a specific city?	Purchasing habits among demographics
Does patient require ICU admittance?	What is the value of the stock?	Grouping of documents
Credit rating, good, bad or grey?	Predicting the age of a person	Image recognition and object grouping
Astrology – object attribution		Association between products and / or services
Is this picture a cat or a dog or a tiger?		Grouping similar tweets



Intelligent Q+A



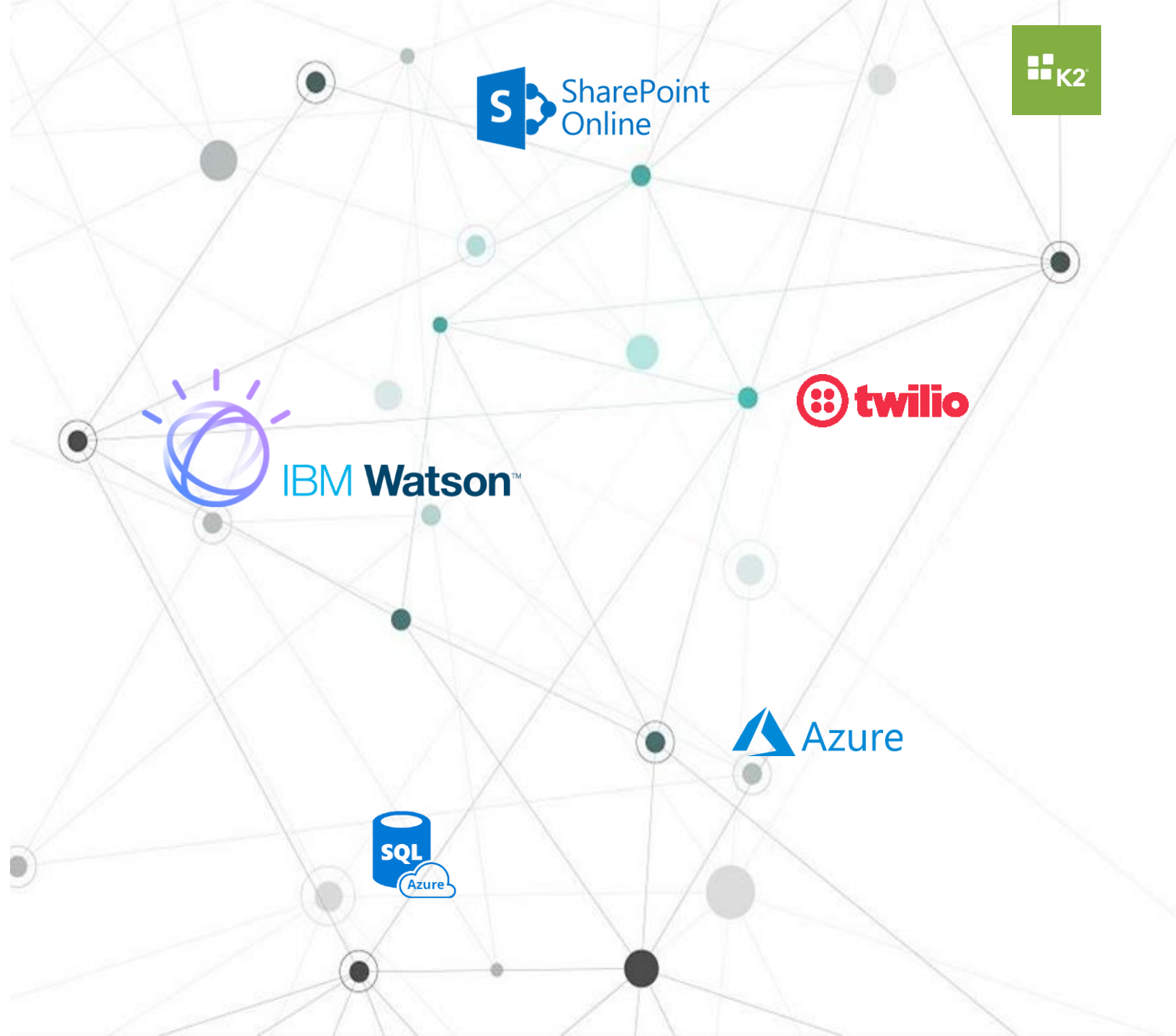
Let's bring it all together



EXAMPLE: CUSTOMER ONBOARDING



EXAMPLE: CLAIM MANAGEMENT





Intelligent Q+A

