

How to build RPA solutions with UI Flows

Timo Pertilä

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Hello!

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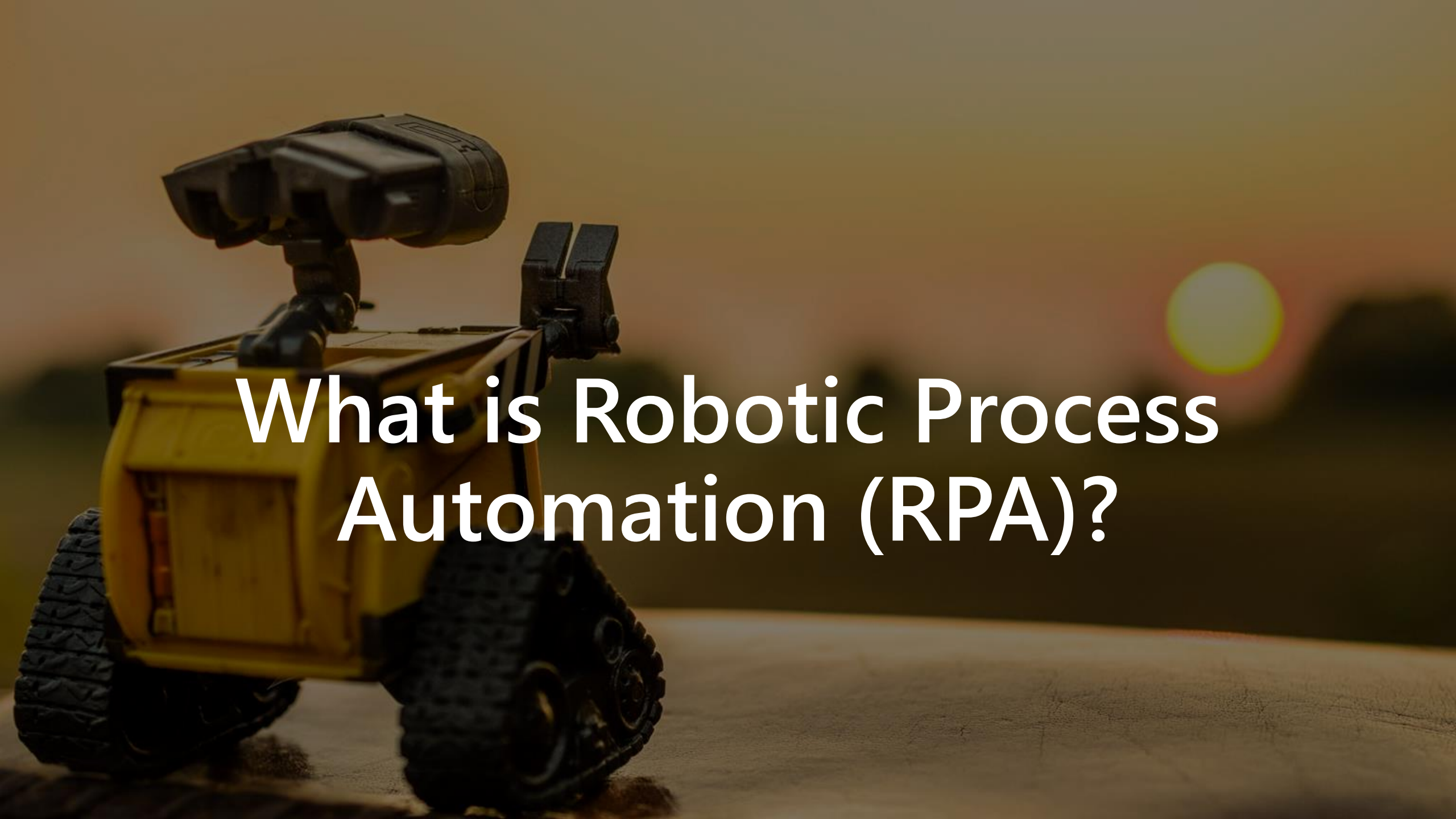
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What is Robotic Process Automation (RPA)?

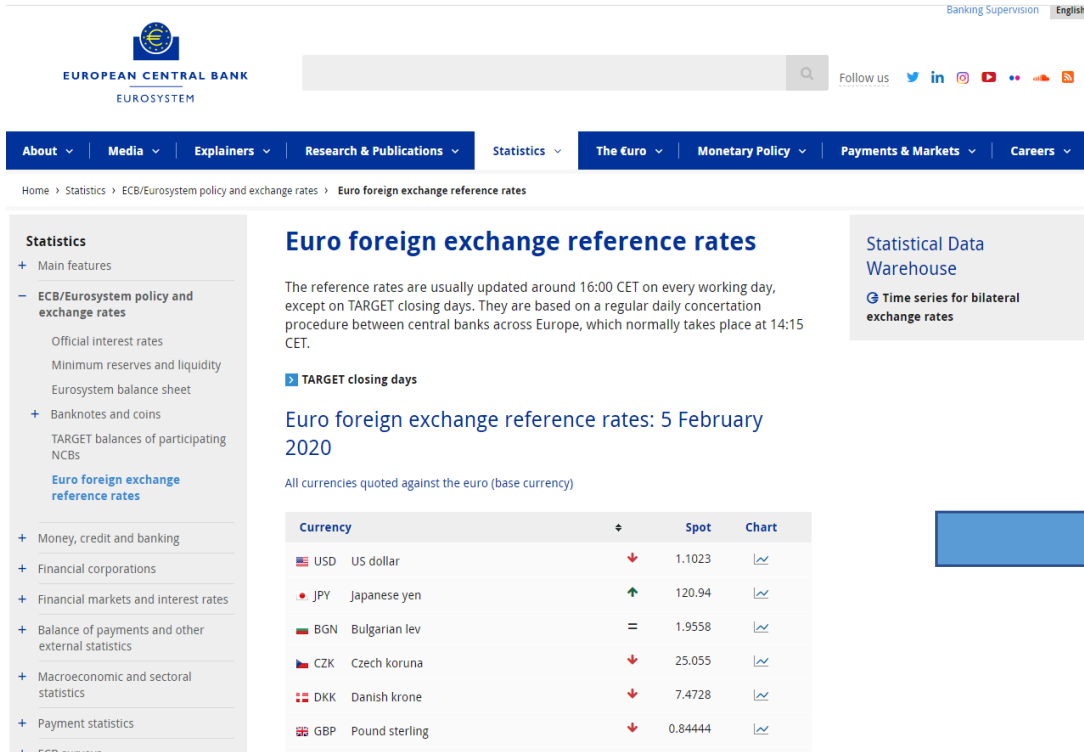
"Robotic process automation (RPA) is the term used for software tools that **partially or fully automate human activities that are manual, rule-based, and repetitive.** "

<https://www.aiim.org/>

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Example - Adding exchange rates



The screenshot shows the ECB website's 'Euro foreign exchange reference rates' page. It includes a sidebar with navigation links, a main content area with a table of exchange rates, and a right-hand panel with links to 'Statistical Data Warehouse' and 'Time series for bilateral exchange rates'.

Euro foreign exchange reference rates

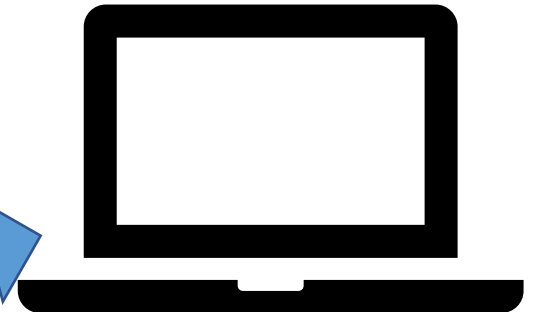
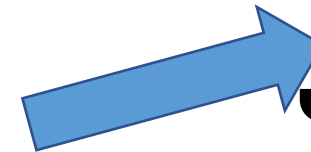
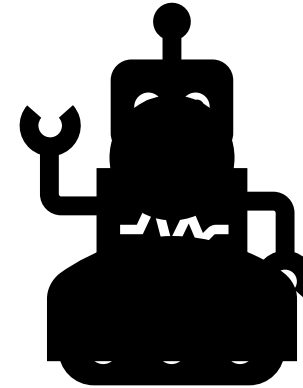
The reference rates are usually updated around 16:00 CET on every working day, except on TARGET closing days. They are based on a regular daily concertation procedure between central banks across Europe, which normally takes place at 14:15 CET.

☒ TARGET closing days

Euro foreign exchange reference rates: 5 February 2020

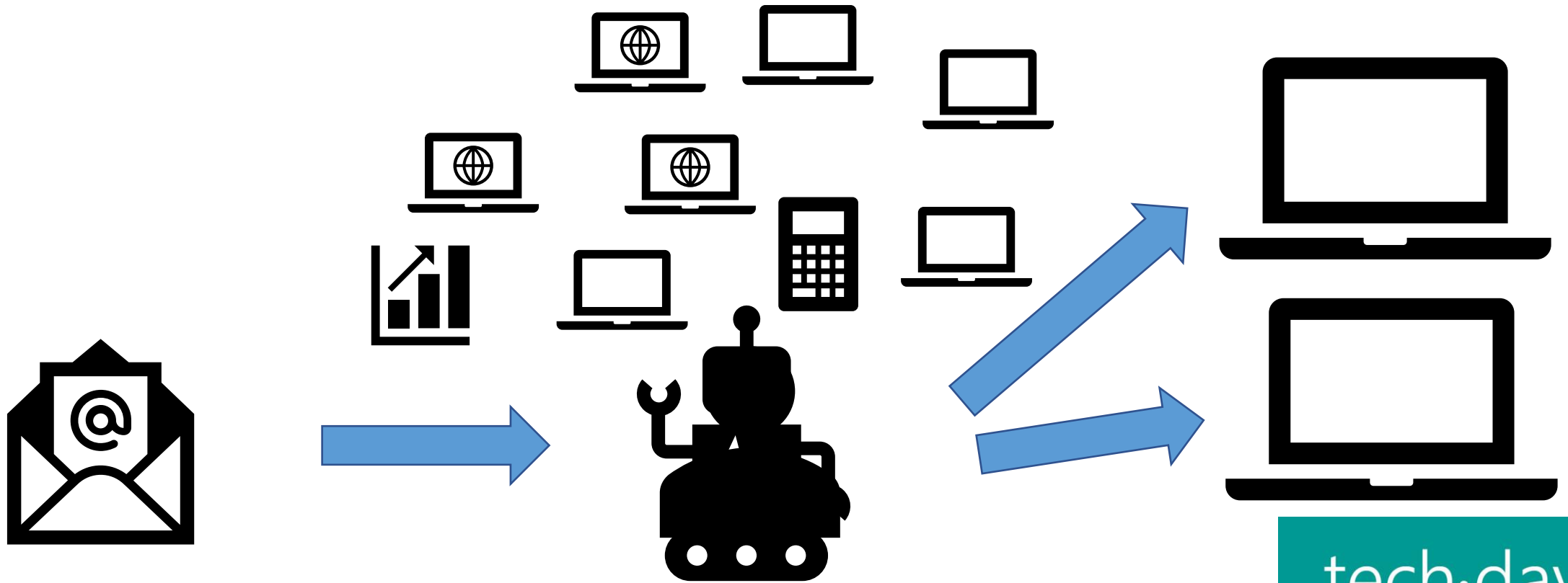
All currencies quoted against the euro (base currency)

Currency	±	Spot	Chart
USD US dollar	↓	1.1023	Chart
JPY Japanese yen	↑	120.94	Chart
BGN Bulgarian lev	=	1.9558	Chart
CZK Czech koruna	↓	25.055	Chart
DKK Danish krone	↓	7.4728	Chart
GBP Pound sterling	↓	0.84444	Chart



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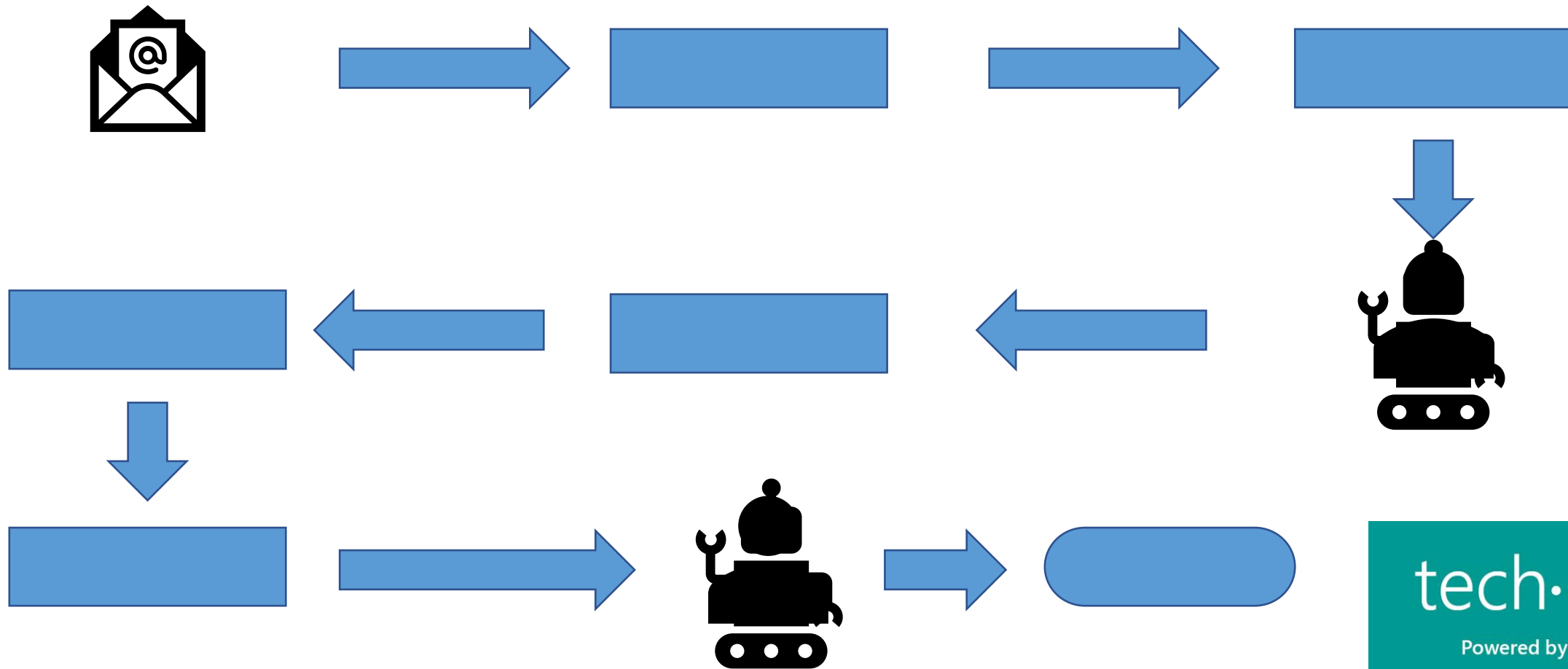
Example - Handling orders



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Example - Manual steps during process





RPA is just a software using
computer behalf of the real
user



Have you heard about integrations?

Yes, but...

- Building the integration costs money
- Building the integration takes time
- Vendor might refuse to provide integration
- Vendor might charge for every transaction (+ monthly fee)
- In some cases it's hard or even impossible (legacy systems)

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Benefits of using RPA

- Flexibility: RPA bot can complete almost any repetitive task
- Ease of integration: No need for traditional integrations
- Ease of implementation: No code

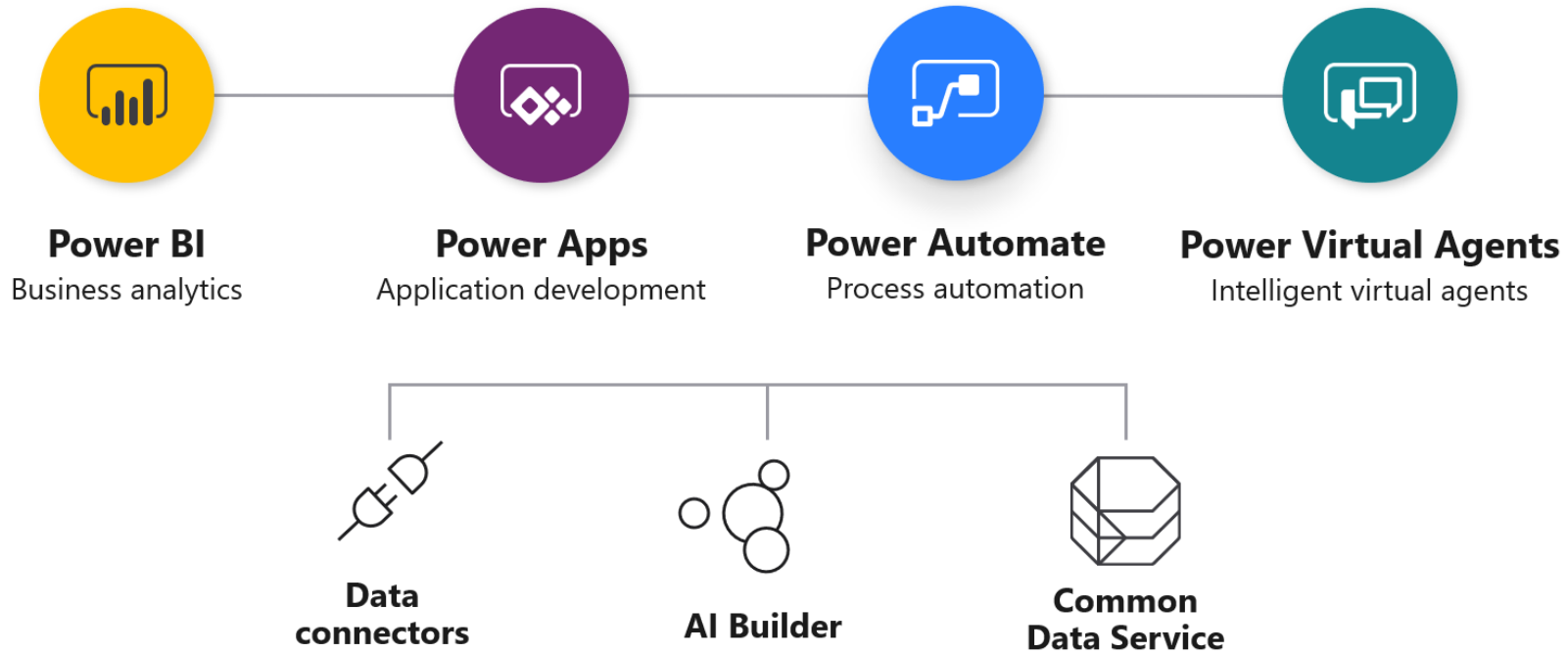
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Inspired by <https://blog.aimultiple.com/what-is-robotic-process-automation/>

Microsoft Power Platform

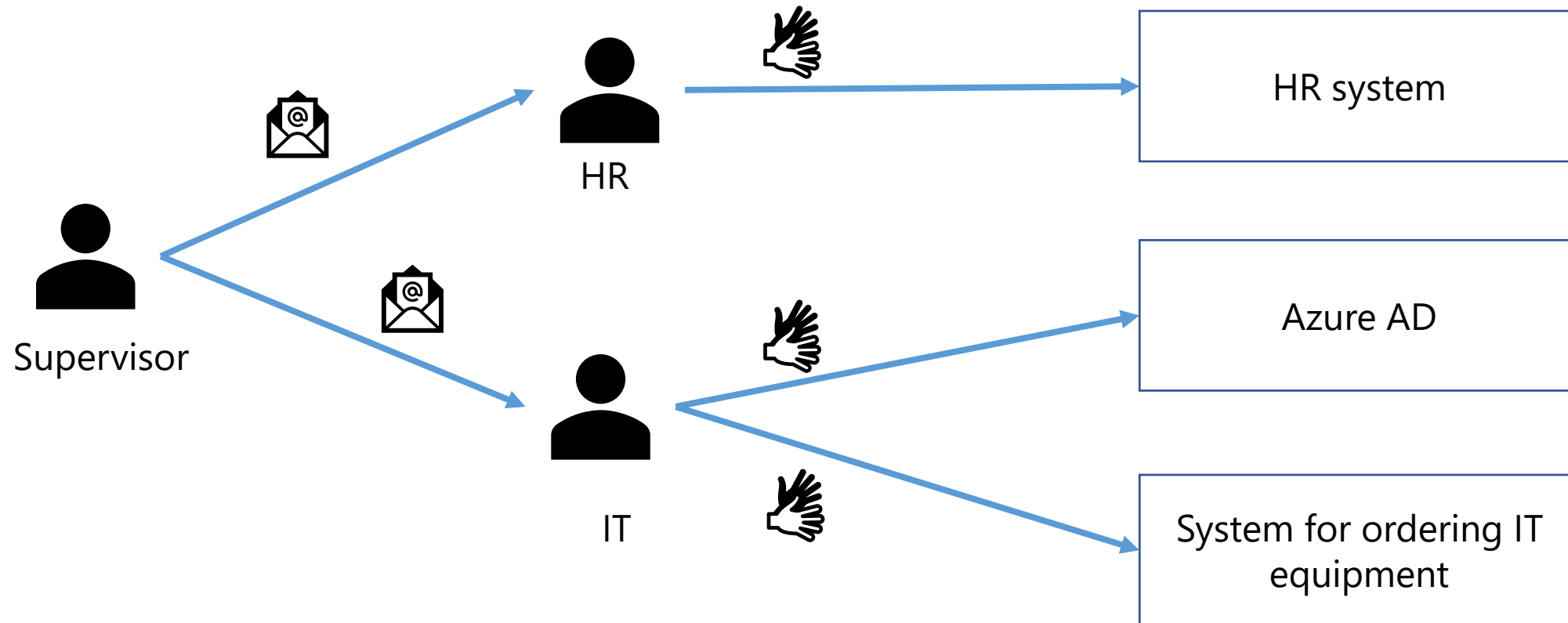
The low-code platform that spans Office 365, Azure, Dynamics 365, and standalone applications



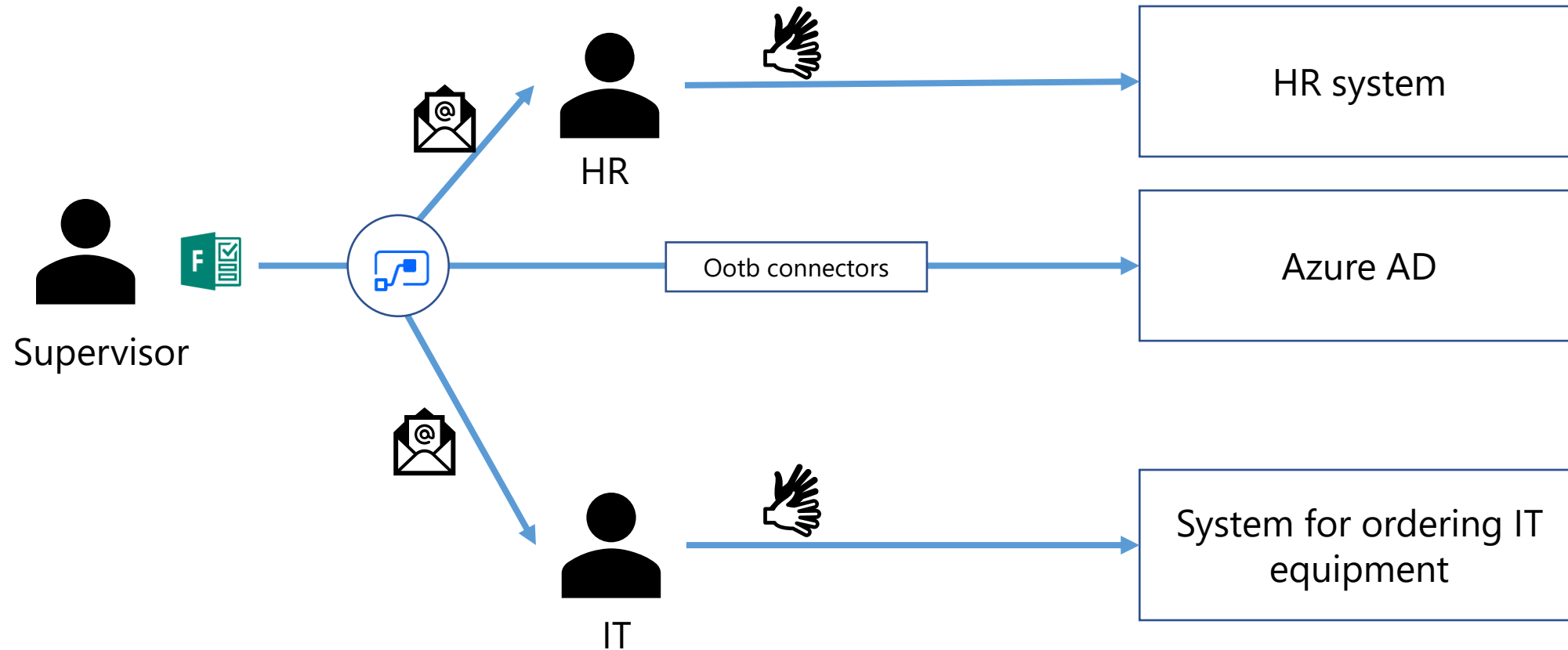
A close-up, slightly blurred image of a robotic hand with multiple fingers, each equipped with a small, dark, rounded tip, typing on a laptop keyboard. The hand is constructed from various mechanical parts, including metal plates, gears, and a dense network of thin, white, fiber-like cables that fan out from the wrist area. The background is a soft, out-of-focus blue. The overall image has a dark, semi-transparent overlay, making the white text stand out prominently.

Example - Employee onboard

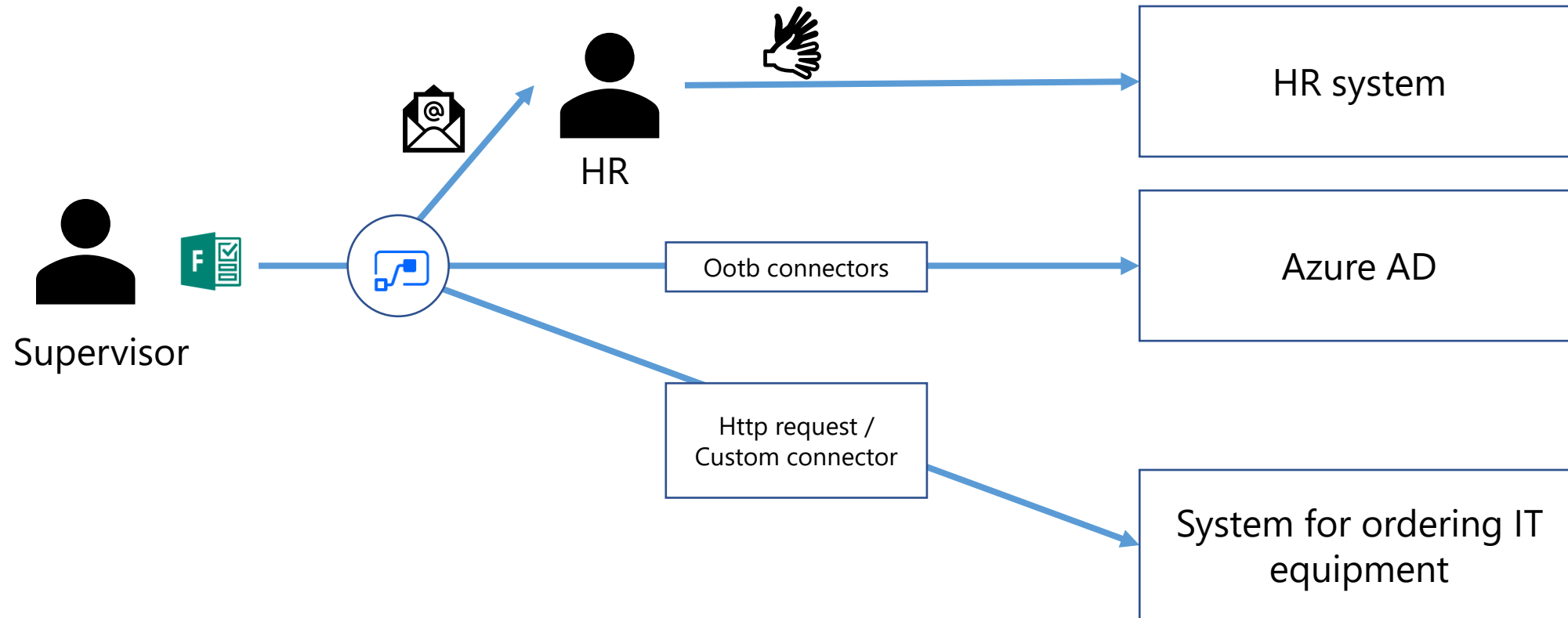
Employee onboard



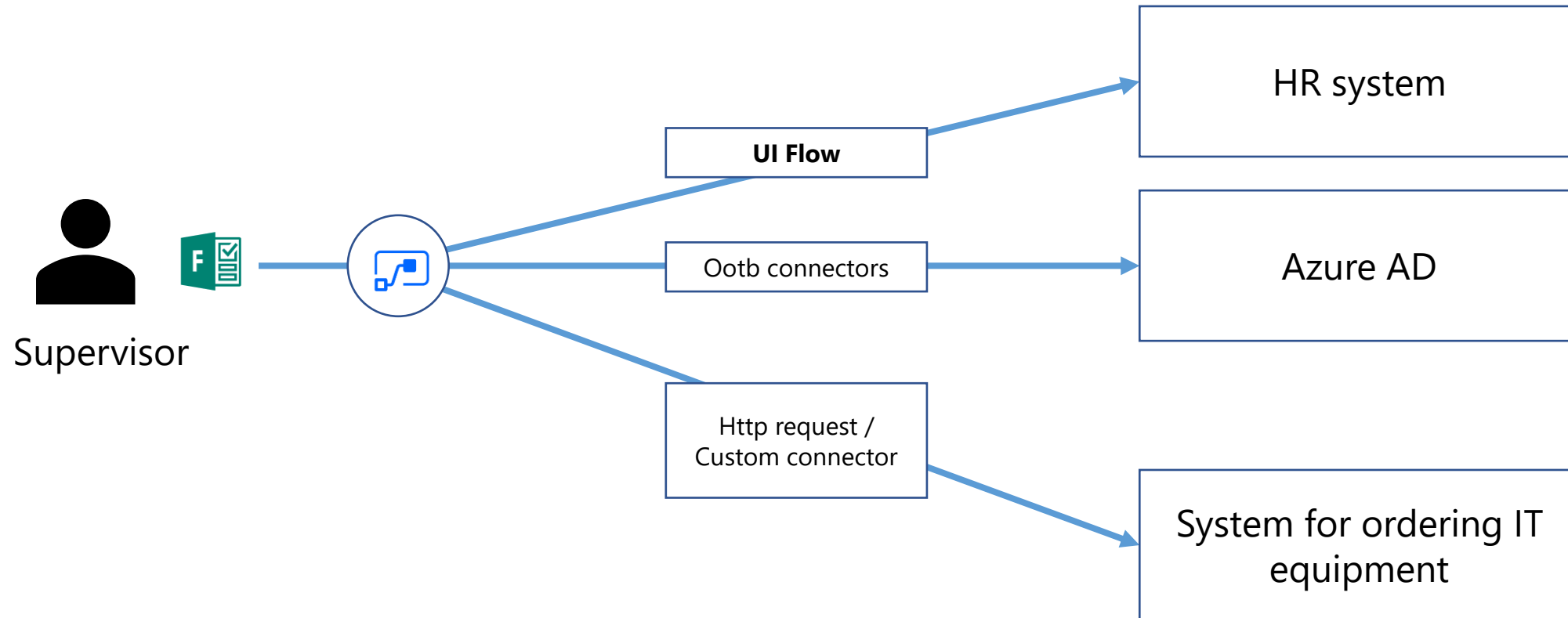
Employee onboard



Employee onboard



Employee onboard



Demo

Desktop UI Flow

Create a UI flow (preview)

Choose desktop or web to get started. [Learn more](#)



Desktop app

Compatible with Windows 10 machines running 64-bit operating systems



Web app

Runs virtually on the latest versions of Microsoft Edge (Chromium) and Google Chrome

Next

Cancel

Demo

Web UI Flow

Create a UI flow (preview)



Choose desktop or web to get started. [Learn more](#)



Desktop app

Compatible with Windows 10 machines running 64-bit operating systems



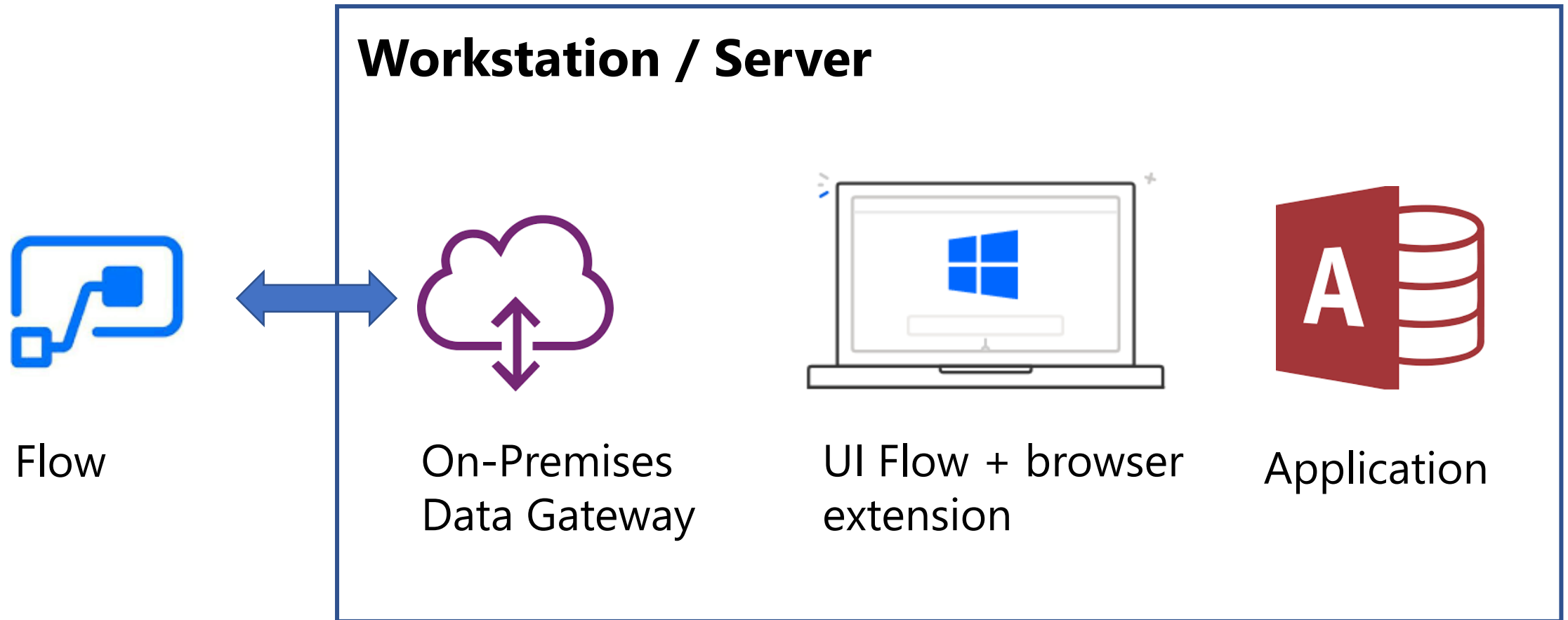
Web app

Runs virtually on the latest versions of Microsoft Edge (Chromium) and Google Chrome

Next

Cancel

UI Flow – What you need?



Roadmap

- **General available on April 2020**
 - Unattended RPA
 - Using virtual machines
 - Retry for Windows UI Flows
- Secrets management (GA Sep 2020)
- Advanced editor capabilities (GA Sep 2020)

How much this costs?

Per user plan with attended RPA

Allow individual users to create unlimited flows, plus automate legacy applications through robotic process automation (RPA) and AI.

Available soon

34 €

per user/month

[Learn more >](#)

+

Unattended RPA add-on

Automate back-end processes through robotic process automation (RPA)—without requiring interaction from a person.

Available soon

127 €

per bot/month

Requires per flow plan or per user with attended RPA plan

[Learn more >](#)

First unattended RPA bot
161€/month

Expensive or not?

- **Blue Prism:** 15000-18000\$/year
- **UIPath:** ~10000\$/year
- **Pega:** 2400 \$/year
- **Sikuli, UI.Vision:** OpenSource

Thank You!

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