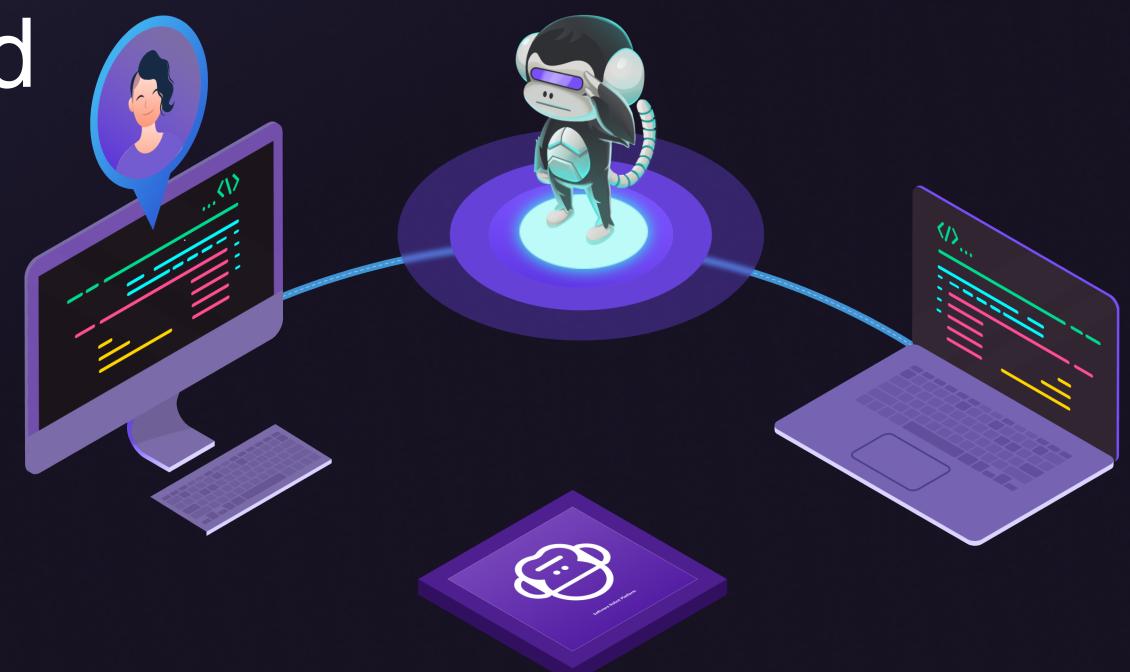
Module 3: Desktop and image based automation

Building a small desktop robot with Robocorp developer tools





### Agenda

- Homework review
- Desktop automation
  - What are the differences between browser automation and desktop automation?
  - Start an application
  - Locator differences
  - Keyboard shortcuts
- Homework: Build your own 5-10 step desktop automation robot



#### Desktop automation

https://robocorp.com/docs/development-guide/desktop

- What are the differences between browser automation and desktop automation?
- Start an application
  - Open File / Open From Search / Open Application / Open Using Run Dialog
- Textual locators for Windows application
  - name / class / type / id / partial name / regexp
- Image based locators
  - image / alias
- Keyboard shortcuts
- Application menus



# Case. Automating Windows application with accessibility properties

Approach. Using Windows locators combined with keyboard shortcuts and mouse clicks

Library to use: RPA.Desktop.Windows

Example application: Notepad



# Case. Automating Windows application without accessibility properties

Applications which are not built with Microsoft accessibility technologies like Win32 API and MS UI Automation.

Can be approached using image and OCR recognition combined with key shortcuts and mouse

Libraries to use: RPA.Desktop (cross-platform library), RPA.Desktop.Windows

Example application: GNUCash



## Homework: Build your own desktop Robot

#### Beginner level

Automating any default Windows application

#### Advanced level

Automating GnuCash with image locators

#### Target.

- Implement a Robot which in 5-10 steps does something with application
- Send result .robot file to <a href="mailto:robocorp.teacher@gmail.com">robocorp.teacher@gmail.com</a>



## Q&A, support

Docs: <a href="https://robocorp.com/docs/">https://robocorp.com/docs/</a>

Portal: <a href="https://robocorp.com/portal/">https://robocorp.com/portal/</a>

Forum: https://forum.robocorp.com

Developers Slack

Docs: Finding Ul elements

Docs: Desktop library

Docs: Windows library

Available keyboard codes



