AUTOMATION AND USE OF ROBOTS TO COLLECT DATA
AGENDA
- WHAT DO WE MEAN BY ROBOTIZATION?
- CASE EXAMPLES (FICO, HR)
- LESSONS LEARNED
WHAT DO WE MEAN BY ROBOTIZATION?
Process development

- Process development
  - Process automation
    - Robotization
      - Robotic process automation (RPA)
A software robot is a program that utilizes other programs.

A software robot mimics the work of a human, and works with other applications, such as ERP systems, via its user interface, just like humans do.

Software robots are developed for business use, and to be used by business people.

Software robots are best suitable for rule-based tasks and repetitive routines that require lots of manual input.

We use robotics as a Service (RaaS).

Currently our partner is a finnish company called Efima. ([https://www.efima.com/en](https://www.efima.com/en))
Where to utilize Robotic Process Automation?

Generic examples

- **Regular and standardized processes**
  - Big volumes
  - Stable processes
  - Structured data
  - Examples: invoice runs, invoice data modifications and enrichment

- **Comparing and transferring data between applications**
  - If an integration is not possible or reasonable
  - Examples: Retrieving data from external sources (webservices, email, excel), saving data from email. Transferring data from application to another

- **Mass inspection/modification of data**
  - Examples: regular inspection of master data (addresses, VAT codes)
  - Updating user information in organisational changes
CASE EXAMPLES
FINANCE AND HR
Check invoice basic data.
Check information between different systems, For example project system and reporting system.
Check the information of invoice attachments.
Check the correct invoice handler from our project system.
Transfer invoices to purchase ledger and check VAT, bank account and record date informations.
Check TAX information of suppliers.

- Automatic reminders for registration of working hours.
- Automatic opening of projects, when we get the information needed in electronical format.
- Recording the Bank statements automatically to bookkeeping system.
- Automatic posting for repetitive invoices.
- Information to Tax administration about travelling automatically.
- SMS message to invoice approvers X days before due date.
- Email to invoice handlers X days before project closure.
• Check salary report data
  • Create exception list for manual check
• Check science field data in researcher system
  • Data missing
  • Old data
• Check data transfer in our ”clock in/out” system

• The employee contract process
  • We created a new IT- solution to work together with the robot. In the new solution we can combine information provided by different roles during the process. The idea was to minimize the work needed in all the process steps.
  • Superior, HR and new employee only fill in the information from their own perspective.
  • The system makes it possible to get the information in stages and the robot moves the data to SAP system for decision making.
• Same tools to reward and scholarship processes
LESSONS LEARNED
LESSONS LEARNED

• Quick and rapid!
• Focus to the processes, where you can achieve the biggest advantages
  • Time
  • Lack of resources
  • Need to make expensive system changes
• Parts of a process, not the whole process
  • Human and Robot together
• Small steps, small costs.
WHAT DO WE DO NEXT?

Robotic process automation
Humans create rules for the robot to follow.

Advanced user interfaces
The program understands or is able to produce spoken or written text.

Machine learning
Algorithms create rules that categorize data or makes predictions about potential outcomes.

Artificial Intelligence
Digital computer or computer-controlled robots have the ability to perform tasks commonly associated with intelligent beings.

We keep on doing Robotization!
Lots of possibilities in the Future!
THANK YOU!

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