

Agenda

PEOPLE MAKING THE DIFFERENCE



What is RPA?





#### RPA is:

- A simple tool that can automate repetitive, annoying tasks
- Rule based
- Capable of vastly reducing errors
- Able to operate 24/7
- A gateway into more advance automation/AI



#### **RPA NOT:**

- A panacea that will eliminate all problems
- A tool to replace the human workforce
- Incapable of making mistakes

**PEOPLE** MAKING THE DIFFERENCE

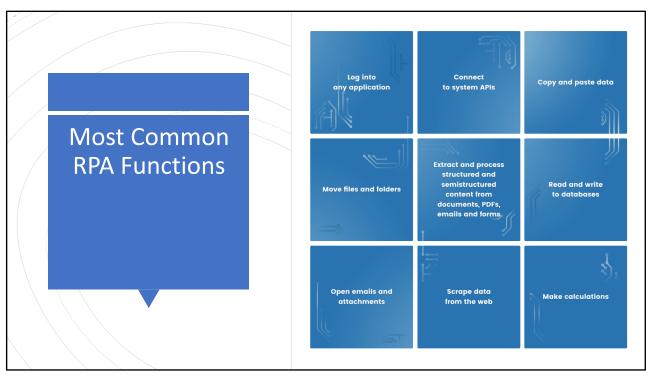
## What is a good fit for RPA?

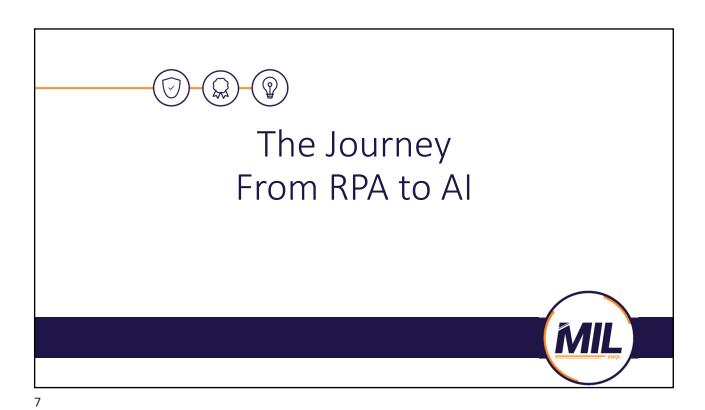


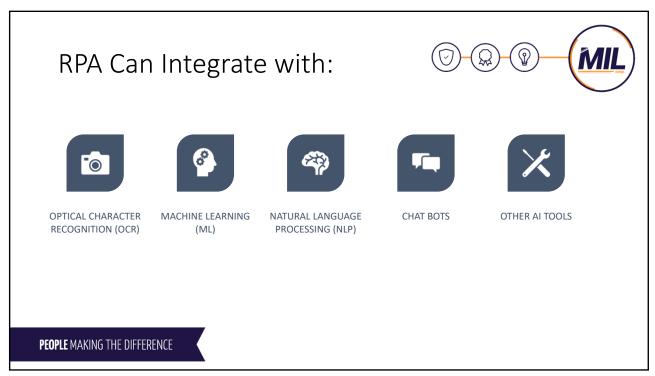
- Well structured and repeatable tasks. Processes that are simple, high volume, and undesirable to complete.
- · Accessing and moving files and data.
- Managing data between PDFs and spreadsheets.
- Manual reconciliations that involve different types of data sources.
- Recreating manual interfaces between two or more systems.
- Analysis and report generation for large data-sets.

**PEOPLE** MAKING THE DIFFERENCE

5







## Al Definition



The theory and development of computer systems able to perform tasks that normally require human intelligence, such as visual perception, speech recognition, decision-making, and translation between languages

**PEOPLE** MAKING THE DIFFERENCE

C

## What is AI?



• <a href="https://youtu.be/2ePf9rue1Ao">https://youtu.be/2ePf9rue1Ao</a>

**PEOPLE** MAKING THE DIFFERENCE

## Optical Character Recognition (OCR)





- Document vision to software robots through classification and data extraction
- The ability to mimic human document sorting, identification and data entry
- Capabilities beyond basic OCR/text recognition

**PEOPLE** MAKING THE DIFFERENCE

11

## Optical Character Recognition (OCR)



#### Why RPA Needs OCR

- Just as RPA tools solve the problems of Optical Character Recognition (OCR) human processing, so optical character recognition (OCR) tools solve the problems of human data entry
- Technology uses a slew of visual, linguistic, and statistical techniques to quickly turn pictures of text into actual digital text. Bottom line: it's orders of magnitude faster, more accurate, and more cost-effective that the human brain
- RPA and OCR are complementary technologies, and may organizations have already integrated them seamlessly to automate processes from end to end



**PEOPLE** MAKING THE DIFFERENCE

## OCR video



https://youtu.be/w7d5FoGBchM

**PEOPLE** MAKING THE DIFFERENCE

13

# Machine Learning (ML)



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



RPA combined with machine learning have created a new world of possibilities to further increase automation for time consuming/repetitive business processes outside of the pure RPA scope (intelligent automation)

**PEOPLE** MAKING THE DIFFERENCE

## ML Video



https://youtu.be/f\_uwKZIAeM0

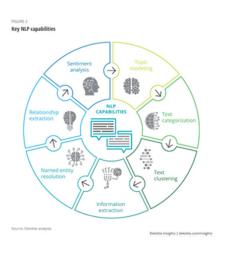
**PEOPLE** MAKING THE DIFFERENCE

15

# Natural Language Processing



NLP is a branch of artificial intelligence that helps computers understand, interpret and manipulate human language



**PEOPLE** MAKING THE DIFFERENCE

## **Chat BOTS**



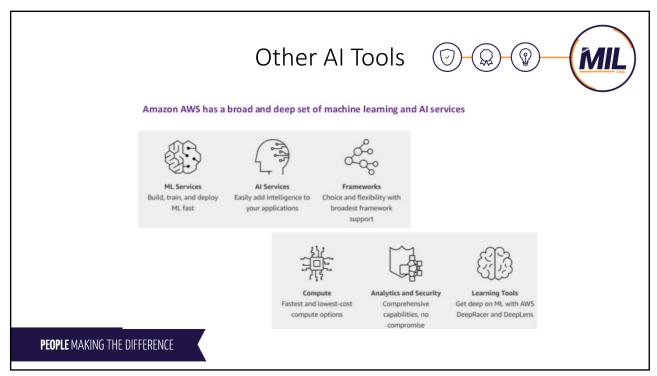
Key benefits of chat bots

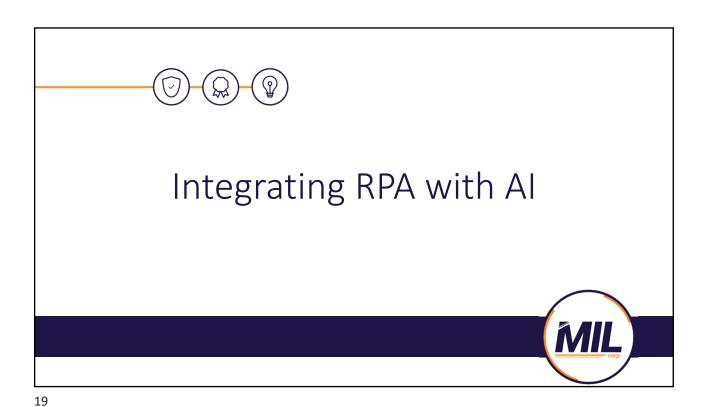
- Improved customer and employee experience
- Reduce business costs
- Reduced time to complete tasks
- · Increased employee productivity



**PEOPLE** MAKING THE DIFFERENCE

17





Intelligent Automation Spectrum © Intelligent Deep Learning **Robotic Process** Robotic **Automation Machine Learning Models Automation** Desktop ingest huge amounts of data automations utilizing AI/ML to detect patterns for **Automation** services to perform "easy" forecasting, anomaly detection, and other relevant "reading" documents or bots to assist or perform repetitive, rule-based tasks either end-to-end or w/human in the loop "understanding" sentiment business intelligence insight not possible otherwise Judgment-Based Rule-Based **PEOPLE** MAKING THE DIFFERENCE

# RPA & Al Integration Demo



myxux?44~tzyz3gj4XsR | gWhXJi9

**PEOPLE** MAKING THE DIFFERENCE