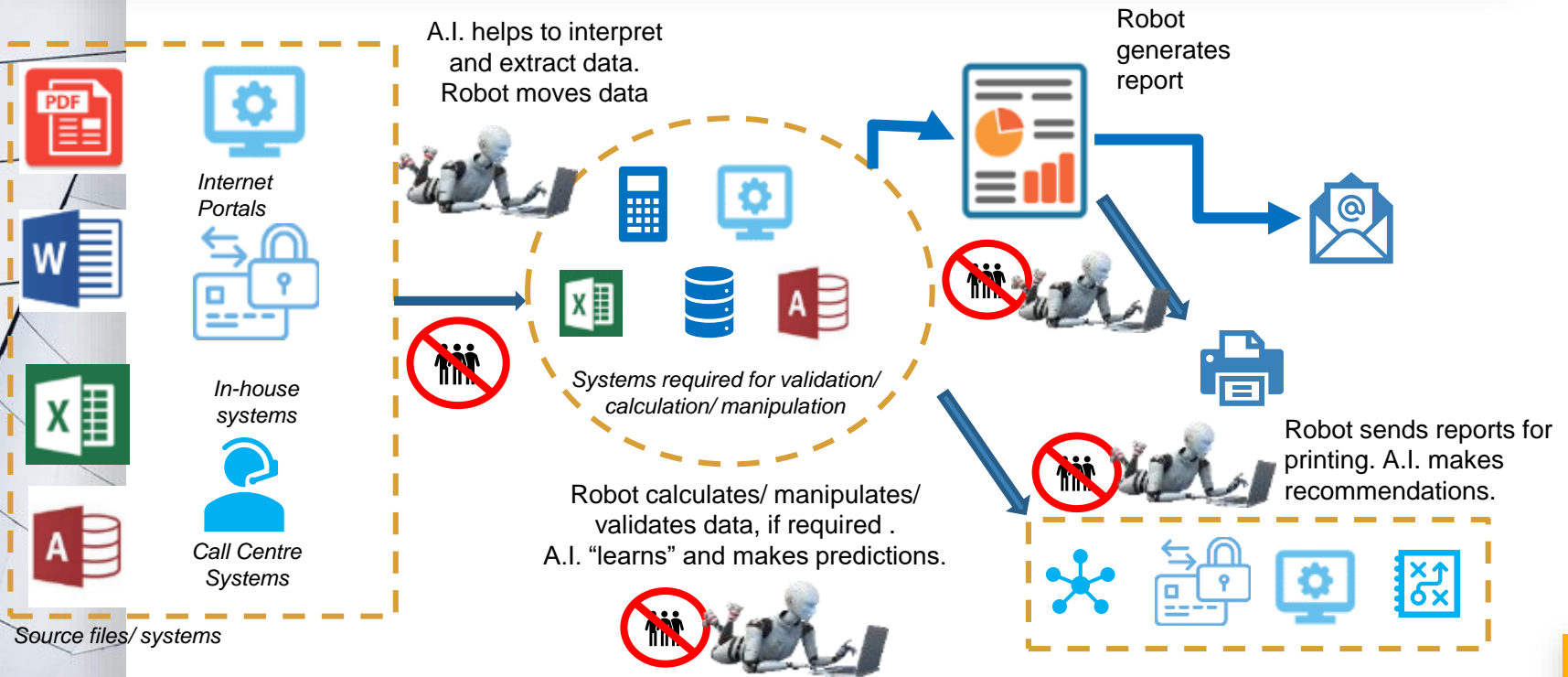


Over view of Gleematic Cognitive Automation

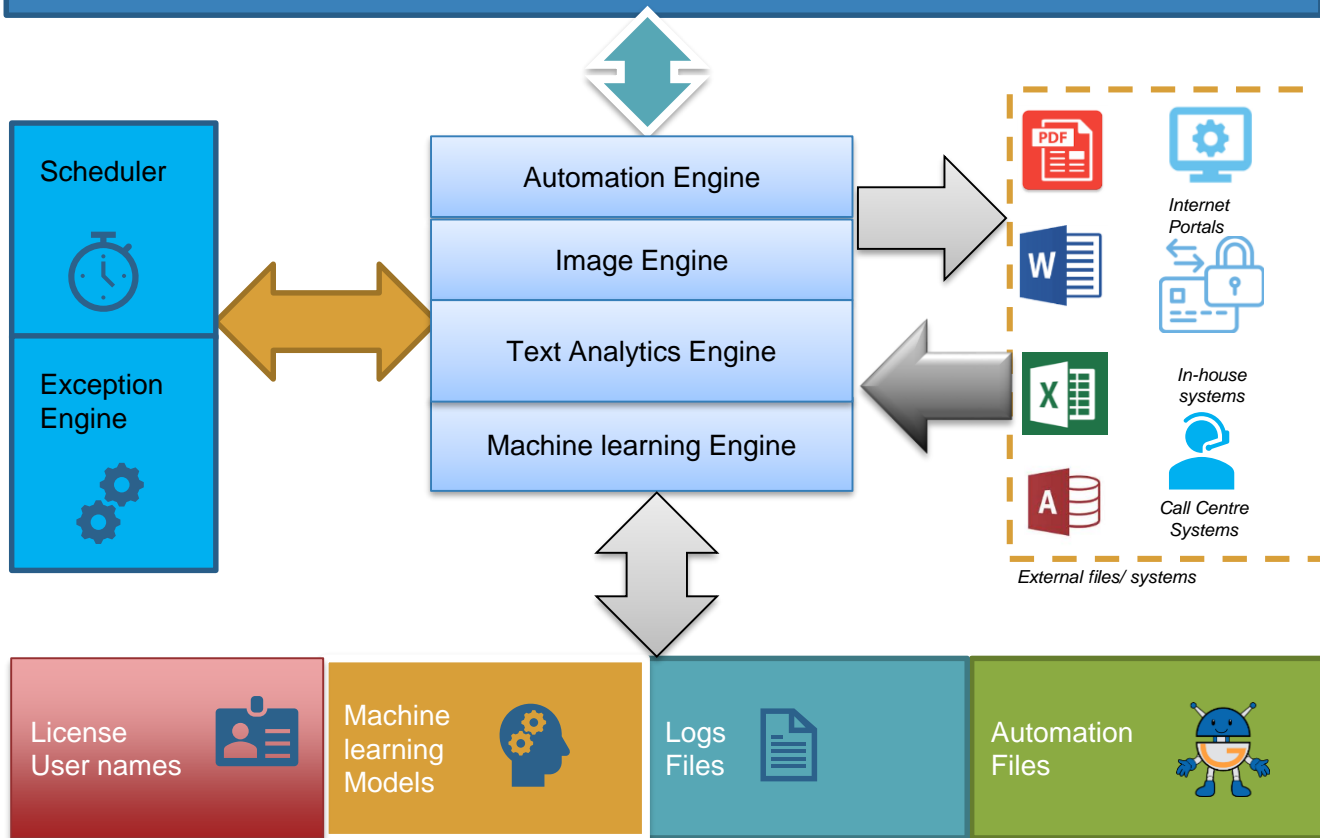


How Cognitive Automation works





Gleematic Designer GUI Framework



Types of Artificial Intelligence (A.I.)



Computer Vision/ Face/Image recognition & detection



- This category of AI deals with how machines can gain high-level understanding of digital images.
- Face recognition goes a step further to analyze features of digital image of human's face.

Machine Learning



- Machine learning can be done on both structured data and unstructured data.
- Patterns and trends can be detected from structured data for predictive analysis.
- Specified information can be extracted from unstructured data by machine-learning too.

Natural Language Processing (NLP)



- This category of AI allows machines to process and analyse human (natural) language.
- With NLP, machines can be taught to interpret sentences and paragraphs of continuous text written by humans.

Where to use A.I.?



Complex Decision-making from large amounts of data



Extraction of information from documents such as forms



Face/ Image detection and recognition



Interpreting unstructured text



Gleematic licenses

- ❖ What is a “license”:
 - ❖ an installation on one desktop/ laptop/ VM image
 - ❖ Billed annually
- ❖ Creating and running scripts
 - ❖ A “Designer” license is used for development, and it allows user to create, edit, modify scripts and steps in the scripts. It can also be used to run/ execute the steps in the script. You can choose the version with A.I. or without A.I.
 - ❖ A “Robot” license is used for deployment and it allows steps in the script to be executed. You can choose the version with A.I. or without A.I.
- ❖ Number of processes/ scripts
 - ❖ There is no limit on number of scripts that can be created with a Designer License. You have the flexibility to edit anytime.
 - ❖ Multiple scripts can be stored (which can be refreshed) and executed with a Robot-only-License, including AI features. These are ideal for production-environment.
- ❖ Artificial Intelligence functions
 - ❖ A.I. functions include text analytics, image-recognition, machine learning , document-processing

Capabilities of Gleematic (part1)

>> UI Automation

- ❖ Mouse-click automation
- ❖ Keyboard stroke automation
- ❖ Data entry/ transfer
- ❖ Data manipulation
- ❖ Working with Citrix
- ❖ Working with OCR
- ❖ Working with Legacy System

>> App integration

- ❖ Excel
- ❖ Word
- ❖ CSV
- ❖ Xml
- ❖ Connection to Databases

>> Accessing important Apps

- ❖ Terminal (e.g. AS/400)
- ❖ Outlook
- ❖ Databases
- ❖ Desktop automation
- ❖ Oracle apps
- ❖ SAP
- ❖ CRM apps
- ❖ ERP apps
- ❖ Creating own workflow

>> Code-based instructions

- ❖ HTTP requests
- ❖ Invoking PowerShell scripts
- ❖ Error handling

Capabilities of Gleematic (part2)

>> Natural Language Processing

- Sentiment Analysis
- Text Classification
- Information Extraction from unstructured text
- Train own text classifier
- Train own text extraction
- Date Extraction
- Text Pattern Extraction

>> Machine learning

- Supervised learning

>> Computer Vision

- Face detection
- Logo recognition
- Train own image recognition
- Image/Icon counting

>> Data Extraction

- Ability to get data from semi-structured documents such as invoices

Specifications for Installation of Gleematic

- **Operating system (OS):** Windows 32-bit or 64-bit
- **RAM:** minimum 12G
- **Processor speed:** minimum core i7 (2.4 GHz or higher)
- **Hard-disk space:** 8GB of free space or more
- **Graphic Driver:** min Open GL Version (2.0)
- **Graphic memory (GPU):** Minimum 512 MB
- **Connectivity:** Access to internet (Port 80 for XML RPC to communicate with Gleematic server, if Control Tower is needed)
- **Access rights:** To install software/ run .exe file

Product List

Product Name	Item Description
Gleematic A.I. Cognitive Automation Designer CAD202012LTS	Development License for Gleematic software with AI + ability to create/ edit/ delete scripts + unlimited runs (for 64-bits Windows OS). Node-locked/ for each machine/ VM
Gleematic A.I. Cognitive Automation Robot CAR2020122LTS	Run-time license for Gleematic software for production environment. Includes AI + cannot edit/ delete steps + unlimited runs (for 64-bits Windows OS). Node-locked/ for each machine/ VM
Gleematic Control Tower CT202012LTS	Used to manage user-access, monitor the status of Robots, (Dashboard), recording/ logging of work done, reporting error, etc. It also includes A.I. functionalities such as text analytics, face-recognition, image-recognition and machine-learning. (Costing is for up to 100 robots)