



ROBOTIC PROCESS AUTOMATION

SCHEDULED REPORT EXTRACTION & SUBMISSION



CHALLENGE

- Extensive **manual effort** required to extract information from an application, refine it for duplicates and send the cleansed list to CPS multiple times a day.
- **720 Iterations repeated** annually with each Iteration requiring approximately **20 mins**
- **240 hours** or roughly **1.5 FTEs** spent annually to perform the Data Extraction & Distribution Task
- The report also had to be sent outside of business hours, thus incurring extra cost for out of hours work



SOLUTION

- BOT solution designed to trigger on scheduled times of the day, performing the same steps (with same intelligence) as a human would

SCHEDULED TRIGGERS

- BOT triggered as per next defined time slot
- Extraction Process reinitiated

EXTRACTION CHANGES

- This is an optional step; Search criteria values can be changed in the script with minimum effort to extract and send data to required stakeholders
- Not dependent on CONNECT software

DATA DISTRIBUTION

- Refined extract sent to required stakeholders via email

EXTRACTION INITIATION

- Test Instance with test data, login into environment to extract as per defined search criteria
- Extraction Process reinitiated

EXTRACTION LOGIC

- Defendant information with "Court date" only for that day (today) defined in the search criteria
- Three versions of data extract defined with 'Court date' tweaked for today's date (21/08/23)

DATA REFINEMENT

- Data Refinement to remove duplicates as per Customer requirements
- Any new records for subsequent flows on the same day are added as new records under a HIGHLIGHTED ROW



IMPACT

- BOT processing time per iteration (on avg) was **7 mins**
- BOT scheduled to extract and distribute the report, as per required timeslots; running **24x7**
- Reallocation of resources on other business functions, thus focusing on more complex issues
- **£60K** circa in YoY savings

SCHEDULED REPORT EXTRACTION & SUBMISSION

Before
with manual effort



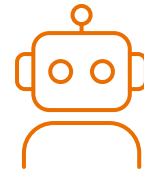
1 YEAR

720 Iterations | £60k spend

Automation Implementation



After
with automation using BOTs



1 YEAR

720 Iterations | £60k YoY savings

POSSIBLE USE CASES

Data de-duplication

Automation of licencing

Automation of rotas

Automation of reporting

Auditing data systems

Supporting the fight
against the cyber-crime

Document management

Performing repetitive
tasks like data entry

Avoid double key the same
information into different systems

Reviewing video

Email processing
and auto action

Document processing via OCR

For more information on the services NEC Software Solutions offers visit our website necsws.com/public-safety-software or get in contact with us at hello@necsws.com



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