

Configuration Manual

MSc Research Project
MSc Cyber Security

Surya Punj Sharma
Student ID: 2228403

School of Computing
National College of Ireland

Supervisor: Khadija Hafeez

National College of Ireland
MSc Project Submission Sheet
School of Computing



Student Name: Surya Punj Sharma.....

Student ID: 22228403.....

Programme: MSc Cyber Security **Year:** 2024.....

Module: Practicum.....

Lecturer: Khadija Hafeez.....

Submission Due Date: 12.08.24.....

Project Title: SecureMail: An RPA Approach to Phishing Detection.....

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Configuration Manual

Surya Punj Sharma
Student ID: 02228403

1 Introduction

Tools and techniques used in the project will be explained in this manual to for set up on a device. The experimental setup will be explained with versions and licencing.

2 Setup

This experiment was performed on personal laptop and the tools were installed on it:

- Hardware: AMD Ryzen 5000 series operating system
- Operating System: Windows 11
- Project setup: Windows 11, Microsoft's Power Automate (*11.2406.410.0*), Chrome browser (*128.0.6613.27*)

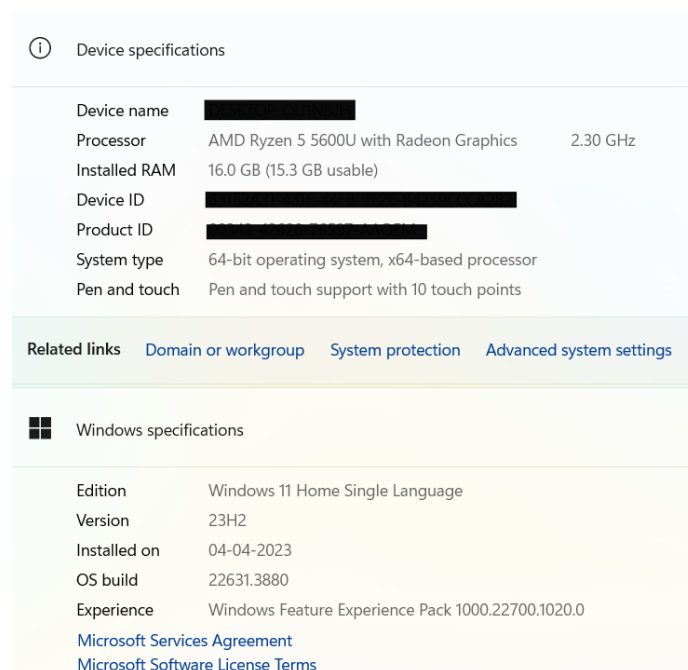


Figure 1. Device specification

3 Tool used

Robotic Process Automation (RPA) tool used: Power Automate (*11.2406.410.0*)

Power Automate is an RPA tool that can automate manual processes with integration of multiple application and tool, It allows users to create automated flows between the integrations. The flows designed in the tool can bypass security policies including data loss prevention (DLP). 3rd party applications can be integrated through office 365 apps with the help of this. It has features like web scraping and scripting too (Vectra, 2024).

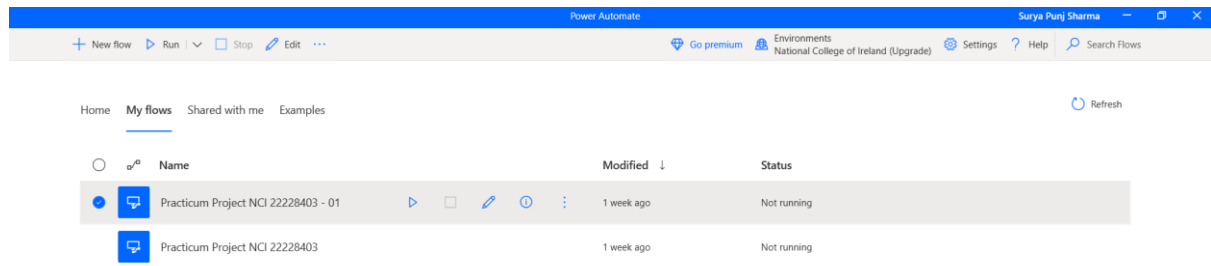


Figure 2: Power Automate Tool

The window of the project will look like as shown in figure 3, It displays the designed logic of the project.

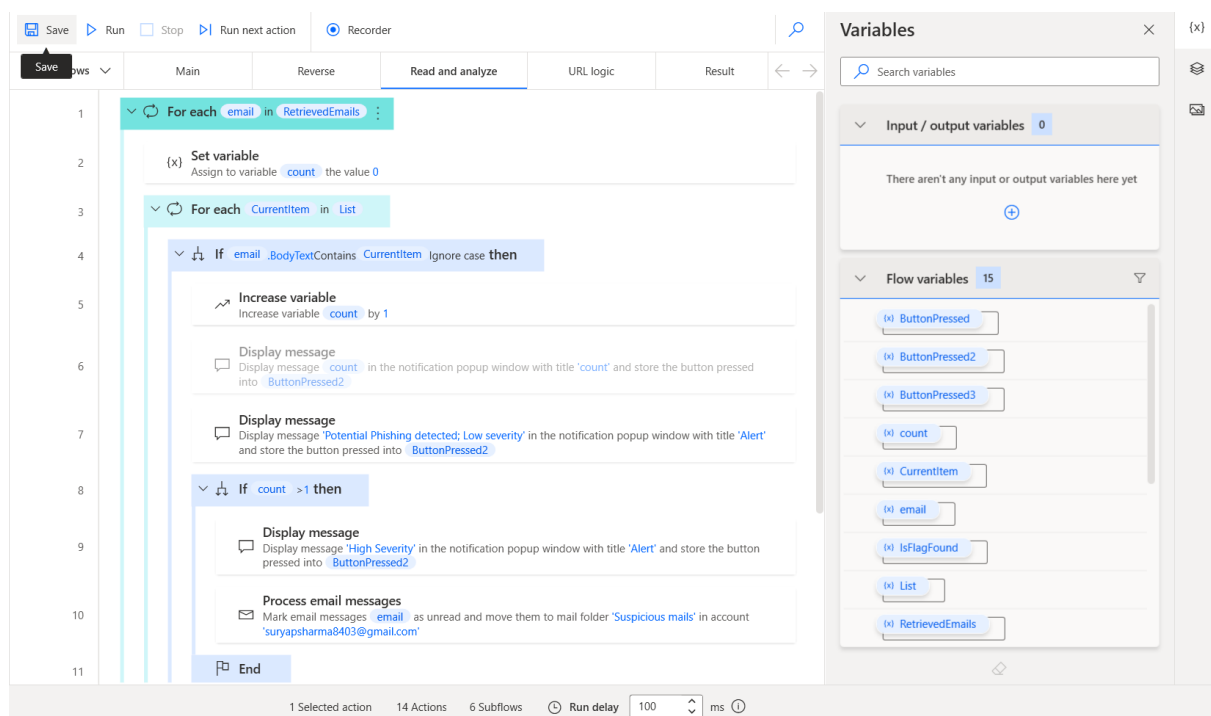


Figure 3. Flow in RPA tool

Invoke web service

Invokes a web service and stores the response text [More info](#)

URL:

Method:

Accept:

Content type:

Custom headers:
 Name: x-apikey
 Value:

Request body:

Save response:

> Advanced

> Variables produced [WebServiceResponseHeaders](#) [WebServiceResponse](#) [StatusCode](#)

Figure 4. API to Virustotal

4 Installations:

Firstly install the Power Automate Desktop app if not preinstalled then make sure to have active internet connection to open Google mail on any browser.

5 Run:

- Open Power Automate web page¹ on browser
- Open Solution² tab on left pannel.

¹ <https://make.powerautomate.com/>

² <https://learn.microsoft.com/en-us/power-automate/overview-solution-flows>

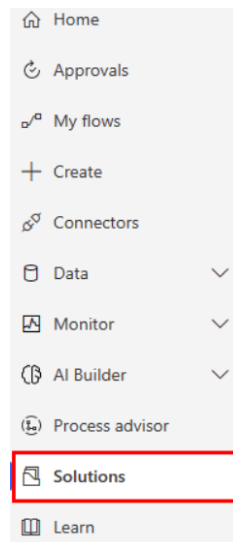


Figure 5. Solution Tab

- Import Zip file (artifact) in solution.

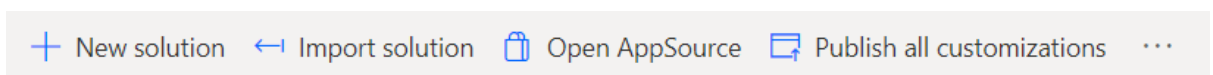


Figure 6. Import

- Open and run the flow.

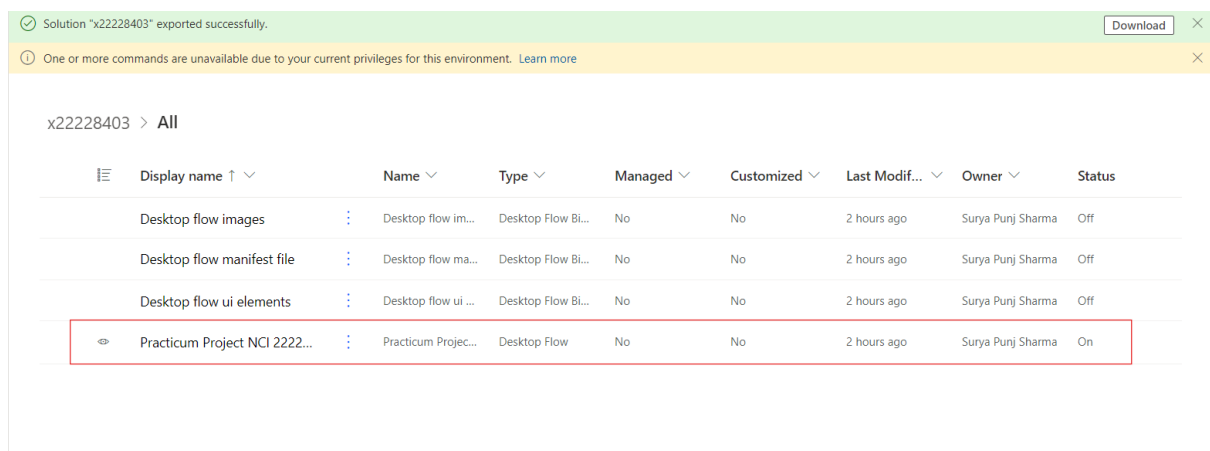


Figure 7. Desktop flow for other environments

- The Gmail site wont be visible in results, because it was performed on a personal mail in an closed environment.

References

Vectra (2024) *Power Automate: What is It and Who is It For?* Available at: <https://www.vectra.ai/learning/power-automate> (Accessed: 9 August 2024).