Crash Course on Obtaining Data from anywhere

Who is addressed to

This tutorial is aimed to non-programmer people that want to obtain data from different sources ( folders, databases, web pages, excel, pdf, API ) and export to a common format ( e.g. Excel) .

You will be given the IDE to perform those tasks ( PowerAutomate and PowerShell ISE) and examples that you can reproduce .

The examples will be In Powershell for the people that knows the programming basics (variables , loops ) and in PowerAutomate for the others.

The class will be taken by Andrei Ignat, C# MVP . For more references see his blog at [http://msprogrammer.serviciipeweb.ro](http://msprogrammer.serviciipeweb.ro/) .

Requirements

1. One of 2 Browsers:

Edge <https://www.microsoft.com/en-us/edge/download>

Chrome <https://www.google.com/chrome/>

1. PowerAutomate from <https://learn.microsoft.com/en-us/power-automate/desktop-flows/install>

What it contains

Day 1 – Simple examples:

1. Introduction in Powershell basic constructs
2. Introduction in PowerAutomate
3. Obtain List of files from folders
   1. Learning to search for finding Powershell scripts
   2. PowerAutomate
4. Export Data to Excel / CSV Format :
   1. Powershell
   2. PowerAutomate
5. Advanced: Powershell Functions
6. Advanced: Excel automation with PowerAutomate
7. Q&A

Day 2 – Internet Automation

1. Obtain data( title, text , tables) from internet
   1. Powershell integration with Chrome
   2. PowerAutomate integration with Chrome
2. Obtain data from Swagger / OpenAPI functions
   1. Powershell
   2. PowerAutomate
3. Q&A

Day 3 – Database Automation

1. Introduction in relational databases ( SqlServer )
   1. Tables / Views
   2. Simple instructions : Select, Where , Join ,GroupBy,
   3. Obtaining data
2. Q&A