# **POI Management Script**

This Python script allows the user to quickly create POIs, delete POIs, create and delete associations for POIs, manage Projects and manage POI Labels.

This page describes the steps necessary to run the POI script on your local machine.

## Prerequisites:

1. You must have Pywiliot installed on your local machine. To install Pywiliot, follow the instructions here. 2. You must clone the repository located here.

#### How it works:

The file poi\_script\_part.py asks a user to select an Excel file from their file explorer and parses the Excel file by page. There are nine pages: GetPois, CreatePois, DeletePois, CreateProjects, DeleteProjects, GetLabels, CreateLabels, DeleteLabels. Each page corresponds to the appropriate actions. The script takes the values from the Excel file and calls various Traceability APIs after which the script terminates.

#### How to use:

### 1. Open poiPartnerExcel.xlsx:

e nine nages in this file: GetPois CreatePois DeletePois GetProjects CreateProjects DeleteProjects GetTabels CreateTabels DeleteTabels 1. The

AutoS	ave OFF	P 7 · C	•••	, Octeatelat	icis, Deleteladeis. Each	page is used for unite	rent functionanty.	poiPartnerE	xcel ~	
Home Insert	Draw Page Layou	ut Formulas	s Data Re	eview View	$\bigcirc$ Tell me					
	Calibri (Body)	~ 12 ~	A^ A =	= =   %	" ✔ ab c€ Wra	ap Text 🗸	General		• 🗾	
Paste ✓ Format	B I <u>U</u> ✓	- 🗠 🗸	<u>A</u> • =	= =   =	→= 🗄 🖽 Mer	rge & Center 🗸	\$ • % <b>9</b>	00. 0.→ 0.← 00.	Conditional Format Formatting as Table	
B9 🛔 🗙	$\checkmark f_x$									
А	В	С	D	E	F	G	н	1	J	
1 poild										
2 example1										
3 example2										
5 all										
6										
7										
9										
10										
11										
12										
14										
15										
16										
17										
19										
20										
21										
23										
24										
25										
26										
28										
29										
30										
31										
33										
34										
35										
GetPois	CreatePois	DeletePois	GetProjects	CreateProjects	B DeletePro	jects GetL	abels Crea	teLabels D	eleteLabels +	
Ready Page			Parameters			Action	Action			
GetPois			OR			Generates a C	Generates a CSV with information for specific POIs or all POIs if "all" is entered			
CreatePois			"all" POI ID and POI Name			If POI ID and	If POI ID and Name are provided, creates a new POI.			
		OR				If POI ID and association	If POI ID and Association Value (gateway ID in most cases) are provided, will create a new POI association			

	POI ID and Association Value	
DeletePois	POI ID OR POI ID and Association Value	Deletes a POI if POI ID is provided and deletes an association if POI ID and Association Value are provided
GetProjects	Project ID	Generates a CSV file with information regarding specified project
CreateProjects	Project ID and Project name	Creates a new project
DeleteProjects	Project ID	Deletes specified project
GetLabels	POI ID and Project ID	Generates CSV file with information about Labels for specified POI
CreateLabels	POI ID, Project ID, Label Name	Creates a new label for specified POI
DeleteLabels	POI ID, Project ID, Label Name	Deletes specified label for specified POI

2. Enter the following command to run the script

python3 poi\_script\_part.py

Once your script is running, you will be prompted to enter your username and password and the owner ID you are working with.
You will then see a pop up asking you to select a file, like the image below: Screen\_Shot\_2022-05-18\_at\_8.30.54\_AM.png
Click on Select File and select your Excel file from Finder on Mac or File Explorer on Windows.
The script will process your Excel file and call the necessary APIs based on your actions.
When the script has terminated, you will see CSV files in the same directory if you called the Get functions. See image below for examples of CSV files:

when the script has terminated, you will see C.5 v Thes in the same directory i	you cance the Oct functions. See image below for example	s of CSV mes.	
poi_info.csv	Today at 8:35 AM	108 bytes	CSV Document
poi_script_part.py	May 16, 2022 at 9:22 PM	13 KB	Python script
poiPartnerExcel.xlsx	May 16, 2022 at 9:17 PM	15 KB	Microsk (.xlsx)
pois.csv	Today at 8:35 AM	58 KB	CSV Document

If you entered "all" under GetPois, you will see a file called pois.csv. If you entered individual POI IDs, you will see poi\_info.csv.
The program will provide feedback in the terminal and exit when completed.