

Project Report

Project Title: OFAC Data Extraction and Compilation

Objective:

- To automate the extraction of OFAC (Office of Foreign Assets Control) data from the official website for all available countries.
- To organize the extracted data into a structured CSV file for further analysis and utilization.

Approach:

1. **Web Scraping with Selenium and BeautifulSoup:**
 - Utilized Selenium to automate browser interactions and navigate the OFAC website.
 - Leveraged BeautifulSoup to parse the HTML content and extract relevant data elements.
2. **Asynchronous Execution with asyncio:**
 - Employed `asyncio` to handle asynchronous operations, enhancing efficiency and responsiveness.
3. **Data Extraction and Cleaning:**
 - Iterated through each country option in the website's dropdown menu.
 - Extracted data for each country, including name, URL, address, type, program, list, and score.
 - Cleaned and formatted the extracted data to ensure consistency and accuracy.
4. **Data Storage in CSV Format:**
 - Created a Pandas DataFrame to organize the extracted data.
 - Saved the DataFrame as a CSV file named `ofac_list_final.csv` for accessibility and analysis.

Key Libraries and Tools:

- Selenium
- BeautifulSoup
- asyncio
- Pandas

Project Outcomes:

- Successfully extracted OFAC data for 182 countries from the target website.
- Generated a well-structured CSV file containing the extracted data, ready for further use.