# Reasoning/Overview

* eTRACK Application has a Solar and Inverter measure which required latest approved solar and inverter equipment to be listed for customers to choose from. This latest approved solar and inverter lists are available here (<https://www.energy.ca.gov/programs-and-topics/programs/solar-equipment-lists>) which are updated every 2 weeks and had to be downloaded, cleaned, transformed and uploaded into eTRACK application.
* I came up with a solution to use **Python** to automate the whole process.

# Codes

* Available in the Repository.

# Challenges

* SFTP access
* Notifications

# Project Workflow/Plan

* No Plan

# Methodology

* Automation

# Tools in Play

* Python
* MS Excel
* MS Outlook
* Windows Task Scheduler

# Project Objectives

1. Download GoSolar PV and Inverters List
2. Clean and Transform the downloaded data.
3. Upload the data into eTRACK application
4. Automate the activities from 1 to 3 and schedule to run for every 2 weeks.

# Data Sources

<https://www.energy.ca.gov/programs-and-topics/programs/solar-equipment-lists>

# Data Process

A diagram of software development

Description automatically generated