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[Purpose]

This program is designed to integrate with the TerraFlex API. It provides a graphical interface (GUI) and access to a script to access data within Trimble's cloud service

Using this tool, a user can download project data from TerraFlex. Additionally, it provides the option to delete any project data within the project

[Requirements]

The user MUST have access to the internet

The user MUST have access to port 80/443 through the firewall

The user MUST have a working python environment installed on their workstation

The user MUST have the 'requests' module installed for the python environment

The user MUST have access to TerraFlex with an active username and password

The user MUST have access to at least ONE project

The user MUST have a 'TerraFlex Advanced' licence

[Arguments]

-u: TerraFlex username that is assigned to the user

Must be a valid TerraFlex username

-p: Password associated with the TerraFlex username

Must comply with the TerraFlex password requirements

-j: Selected project to download

Must exist within the TerraFlex cloud and MUST be assigned to the user

-l: The location where the user will save the exported project (zip)

This location MUST exist and be accessible to the user from the workstation

-s: The name of the saved exported project

This is the alphanumeric representation of the exported project

You can choose any name to represent the exported project

-t: The type the exported project will be saved

TerraFlex offers a few types:

FILEGDB: File Geodatabase (ArcGIS)

CSV: Comma-Separated Values (Text)

SHAPE: Proprietary Spatial File (ArcGIS)

OGCKML: Keyhole Markup Language (Google Earth)

It is best to stick with either FILEGDB or CSV

-d: The type and quantity of the exported data

TerraFlex offers a couple of options:

UnExported: Any data that has yet to be exported

All: Any available data within the project

-i: How the export will include any associated images with the exported project

TerraFlex offers a couple of options:

True: Will include hyperlinks within the exported data records

False: Will append any images as a JPG to the exported project

-e: Mark the download of the exported projects data as exported.

True: Any data associated with the project will be considered exported

False: Data with a False flag can be used as a filter for UnExported data

-x: Delete existing data within a project

True: Delete any/all data within the project

False: Do NOT delete any data within the project

-g: How to handle the graphical interface for the user

True: Display a custom layout GUI in which the user can interact

False: Execute the program as a script by passing argument parameters

through the command line interface (CMD)

-b: How to handle the debug logging for the program

True: Capture and display all logging information

False: Only display the INFO logging information

