REST API Graphical User Interface

- **Getting Started:**
    1. I have used Enthought Canopy IDE for python programming and wxPython package for GUI development. The setup folder contains setup for both software in 64-bit or 32-bit for windows OS. For Linux and Mac OS user download setup from:

        Canopy:
        https://store.enthought.com/downloads/#default

        wxPython package:
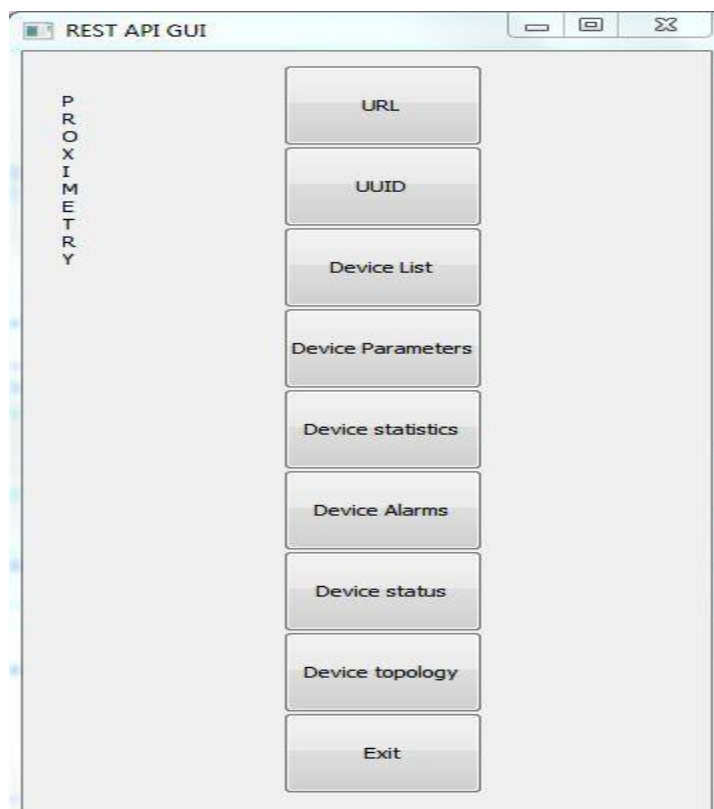   http://www.wxpython.org/download.php

    2. Keep all XML files and GUI.py file in same folder. (Note: Please make sure that in XML files the parameter names are not having space in between please replace all blank space separating words by "_". e.g.: "Leader_Data/stable_version")
    3. Start GUI.py and initially change directory address by using commands:

        import os
        os.chdir('C:\Users\prox01\Desktop\GUI\GUI')
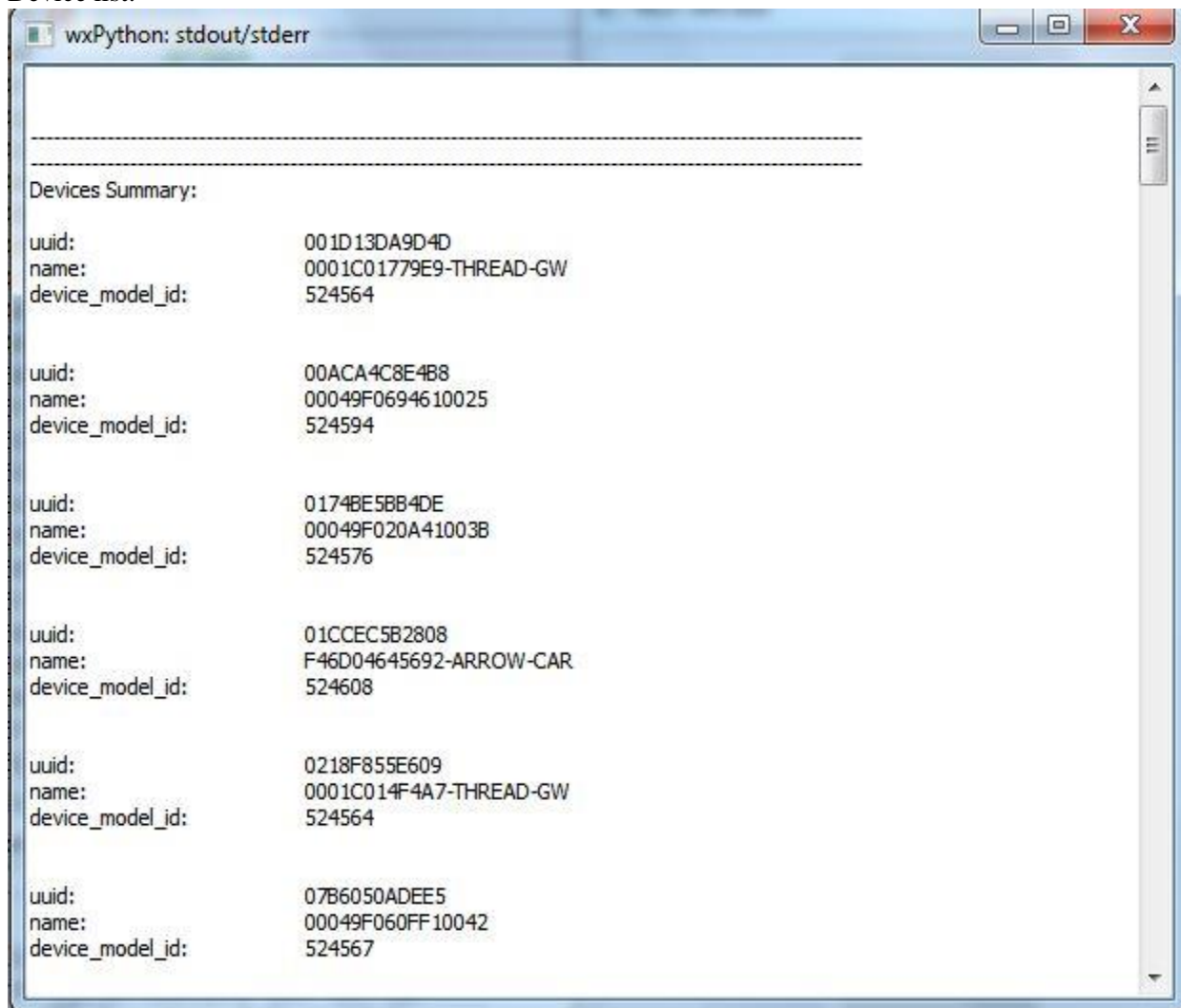
- **Graphical User Interface:**
    1.

Always click on the URL button to begin with. Enter URL of the server in the window which will pop up.

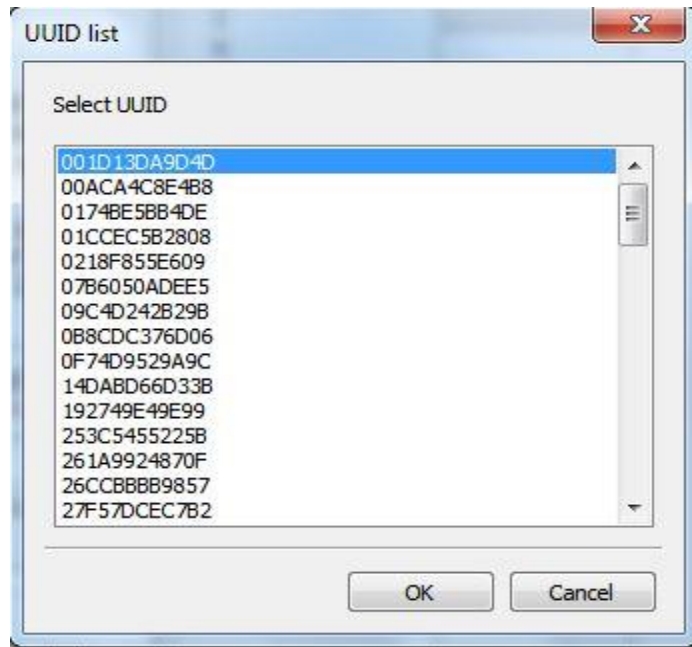2.

URL   ⊠

Enter URL

    https://ftfserver.proximetry.com:20443/rest/1.0/devices/

                                    OK   Cancel

The URL window is having a default server already present in the block. Edit the link and hit OK to change the server.

3. Device list:

```
wxPython: stdout/stderr                                          _ □ X

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Devices Summary:

uuid:                    001D13DA9D4D
name:                    0001C01779E9-THREAD-GW
device_model_id:         524564


uuid:                    00ACA4C8E4B8
name:                    00049F06946 10025
device_model_id:         524594


uuid:                    0174BE5BB4DE
name:                    00049F020A41003B
device_model_id:         524576


uuid:                    01CCEC5B2808
name:                    F46D04645692-ARROW-CAR
device_model_id:         524608


uuid:                    0218F855E609
name:                    0001C014F4A7-THREAD-GW
device_model_id:         524564


uuid:                    07B6050ADEE5
name:                    00049F060FF 10042
device_model_id:         524567
```

Click on the third button 'Device list', an output window will pop up to show all devices on server and will also show total number of devices.

4. UUID:

Click on Second button to see all UUIDs present on the server. Select any one out of them and hit OK to find its Device Parameters, Statistics, Alarm, Status and Topology (buttons 4, 5,6,7,8 respectively).

Notes:

1. To get device properties entering URL and selecting UUID is important. UUID list will not appear if URL is not provided initially.
2. In order to rerun the program GUI.py restart the kernel from 'run' option from canopy.