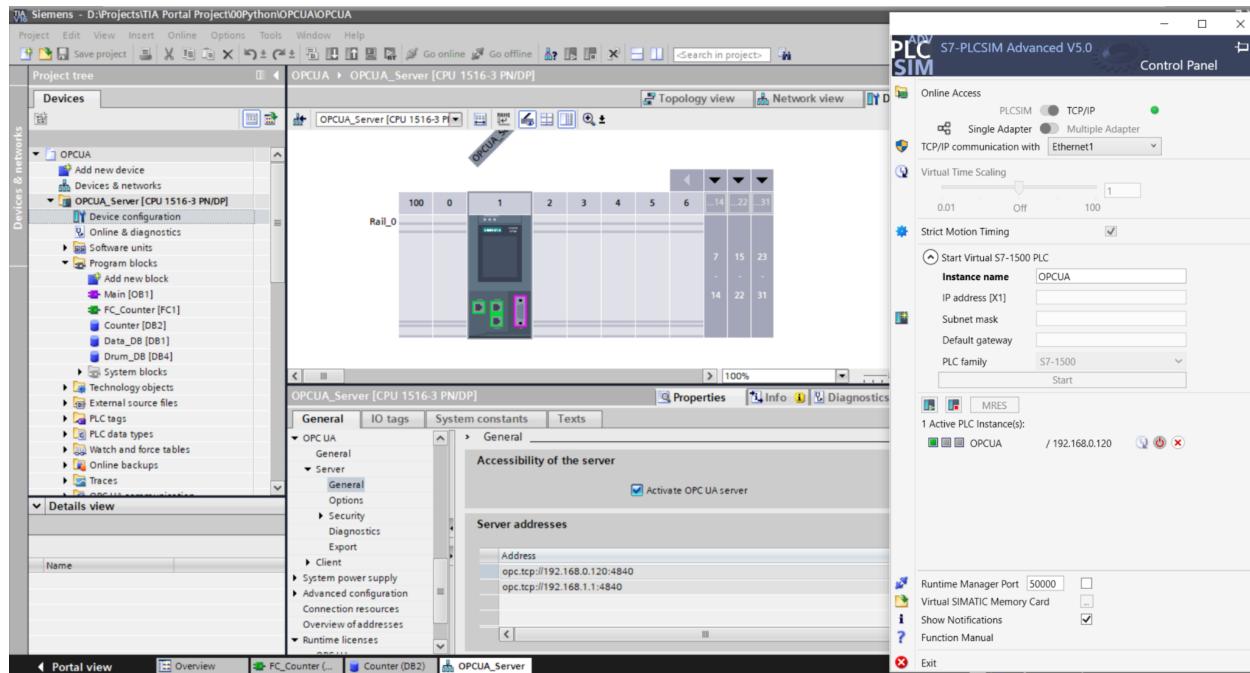


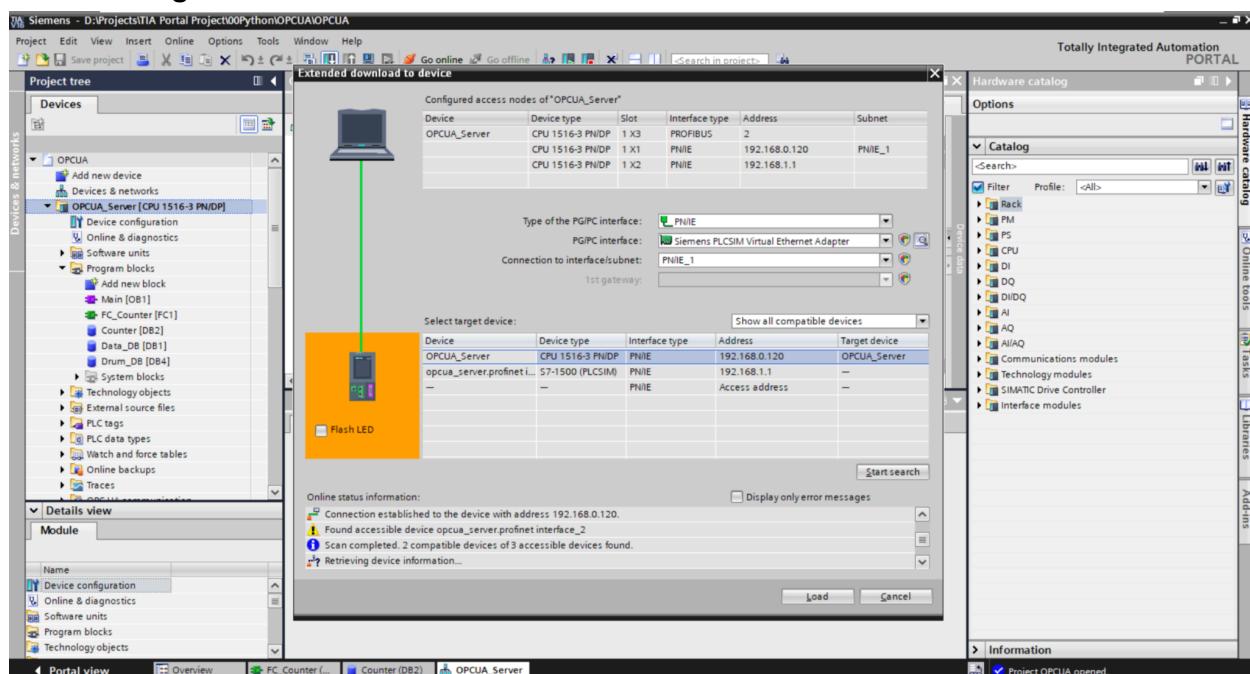
OPCUA-SiemensPLC

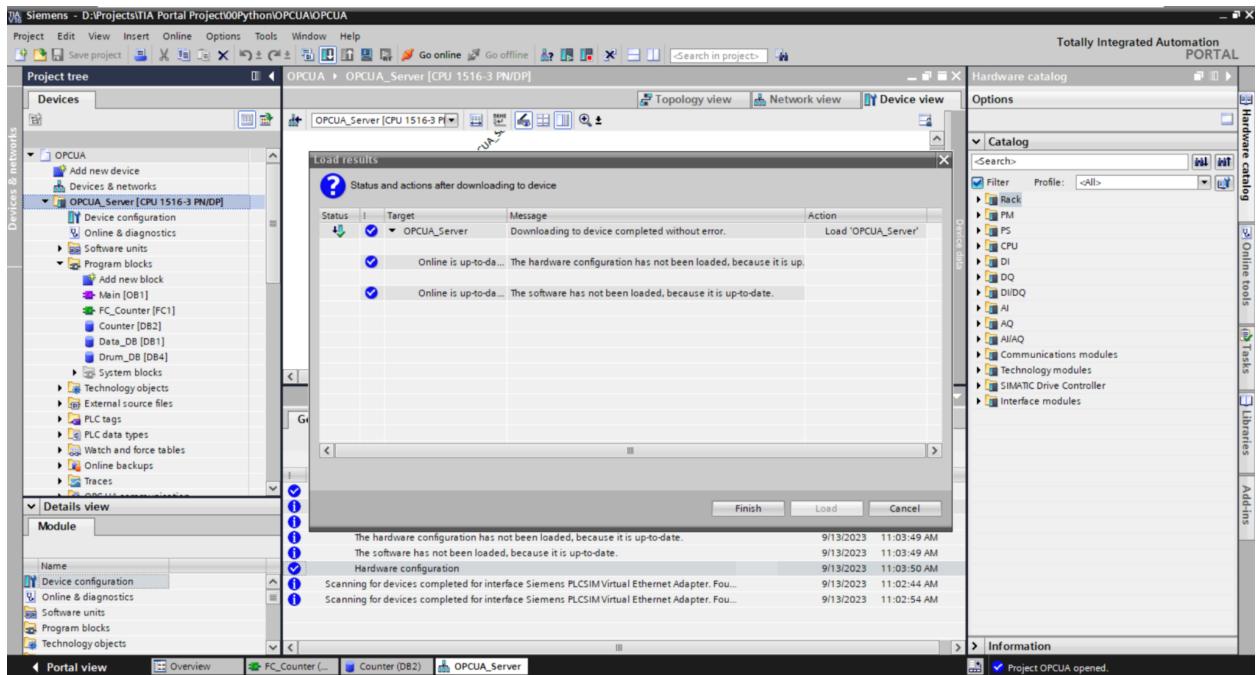
Project for connecting to a Siemens S7-1500 PLC via OPC-UA Server to read and write values from databases. It includes the ability to list all databases on the server and their respective variables.

Server configuration:



Downloading software:





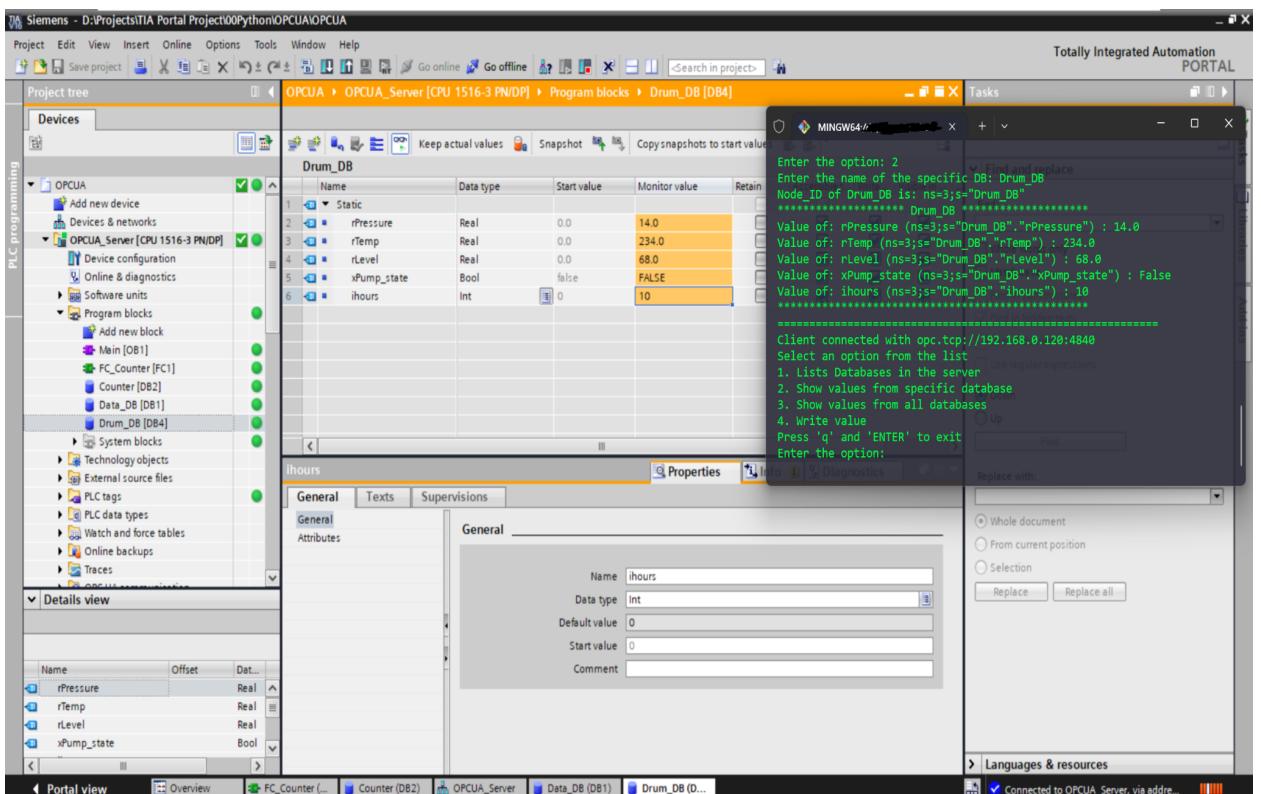
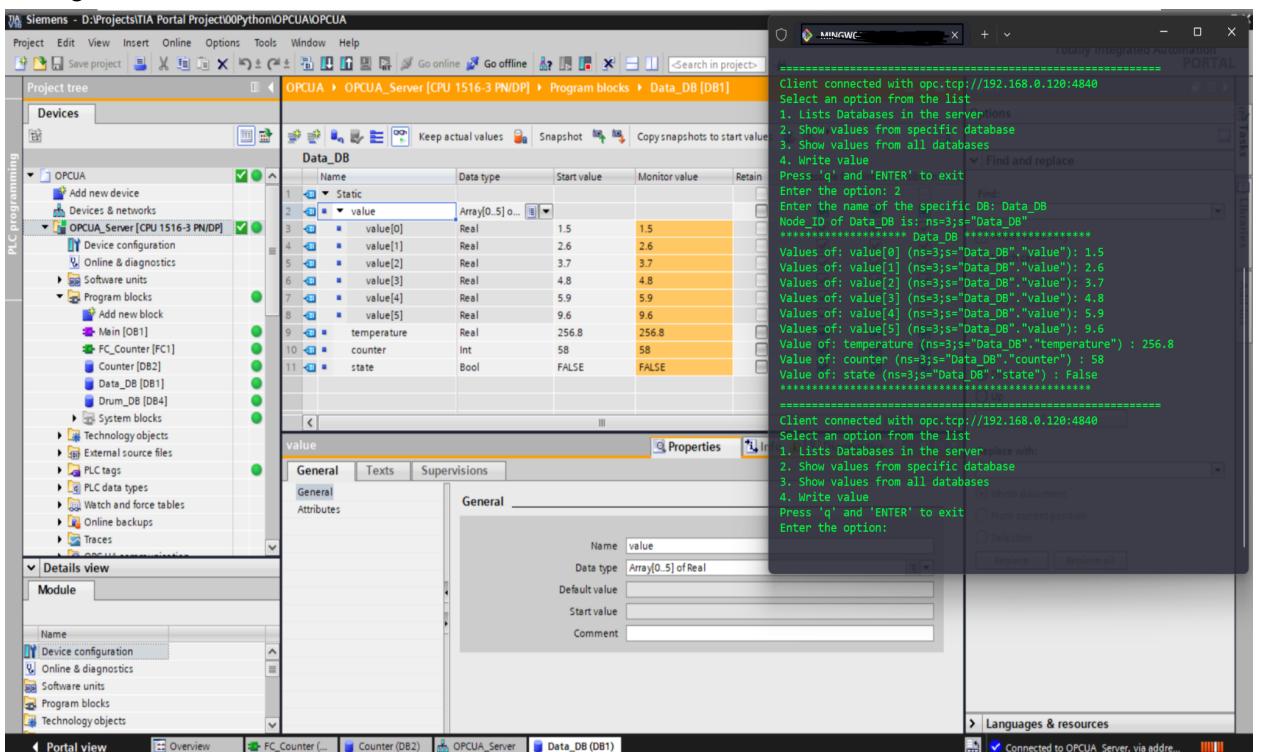
Using the app:

```
$ python read_write_opcua_dbs_siemens.py
This app allow to read values from OPCUA-Server of SIEMENS S7-1500
Enter the url of the server (opc.tcp://<IP_OPCUA-SERVERr>:<PORT>): opc.tcp://192.168.0.120:4840
Requested session timeout to be 3600000ms, got 30000ms instead
=====
Client connected with opc.tcp://192.168.0.120:4840
Select an option from the list
1. Lists Databases in the server
2. Show values from specific database
3. Show values from all databases
4. Write value
Press 'q' and 'ENTER' to exit
Enter the option:
```

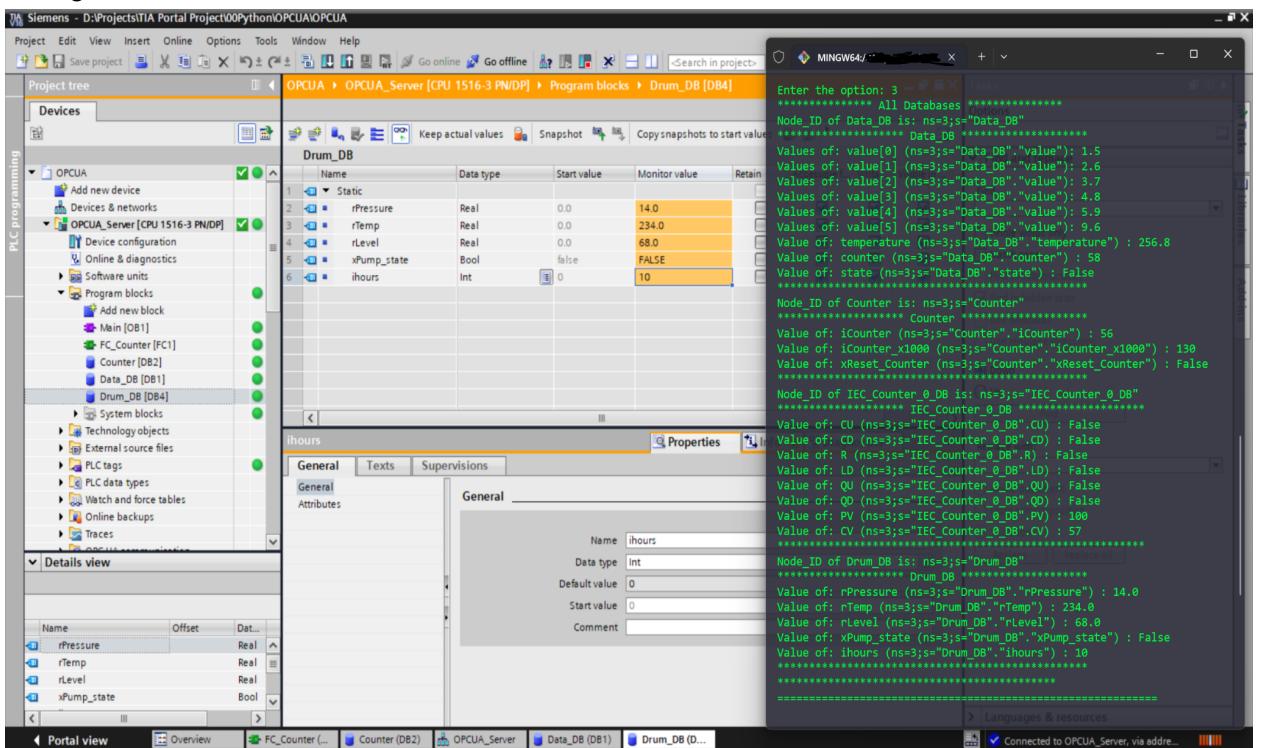
➤ Listing DBs:

```
Enter the option: 1
***** List of Databases *****
-> Data_DB    1. Lists Databases in the server
-> Counter     2. Show values from specific database
-> IEC_Counter_0_DB 3. Show values from all databases
-> Drum_DB    4. Write value
*****
```

➤ Listing Values



➤ Listing all DBs values



➤ Writing values

