FluentAds Client

Just a library that uses Beckhoff.TwinCAT.Ads --version 6.0.74 that can save some time

How to use

1. Include the FluentAdsClient namepsace in your program

using FlientAdsClient; (line 6 in sample program)

2. Create a SimplifiedAdsClient by calling the constructor and check connection

SimplifiedAdsClient plc = new SimplifiedAdsClient(amsNetID : "192.168.1.12.1.1", port: 851);

Console.WriteLine(plc.CheckClientConnection());

3. If you successfully created the client, you can retrieve all the symbols with these methods

Dictionary<string, dynamic> SymbolsDictionary = plc.GetAllSymbols();

var AllVariables = plc.ConvertPlcDictionaryToClassList(SymbolsDictionary);

4. You can read all the states with this method

AllVariables = await plc.ReadAll(AllVariables);

5. If you want to constantly poll the states in a Real-Time application, you may create an async Task to constantly read the variable states.

You can declare this method within your main method after creating the client. Full example in Program.cs.

Note. I did not use the "await" keyword in this case as i wish for this method to run async. However, if you want to do synchronous polling, feel free to use "await pollInifinite() instead."

```
async Task pollInfinite()
{
```

```
    while(true)
    {
        AllVariables = await plc.ReadAll(AllVariables);
        Task.Delay(20);
    }
}
pollInfinite();
```

Enquiries

Email me at maxweliau12345@gmail.com if you have any questions