README

List of external libs

- open62541 (open62541)
- JSON for Modern C++ (JSON for Modern C++)
- Workstation.UaClient (Workstation.UaClient)

"OPCLight" OPC UA server

Light,simple and easy to extensionable OPC UA server.For now implemented MODBUS RTU and TCP, functions:3,6,16.
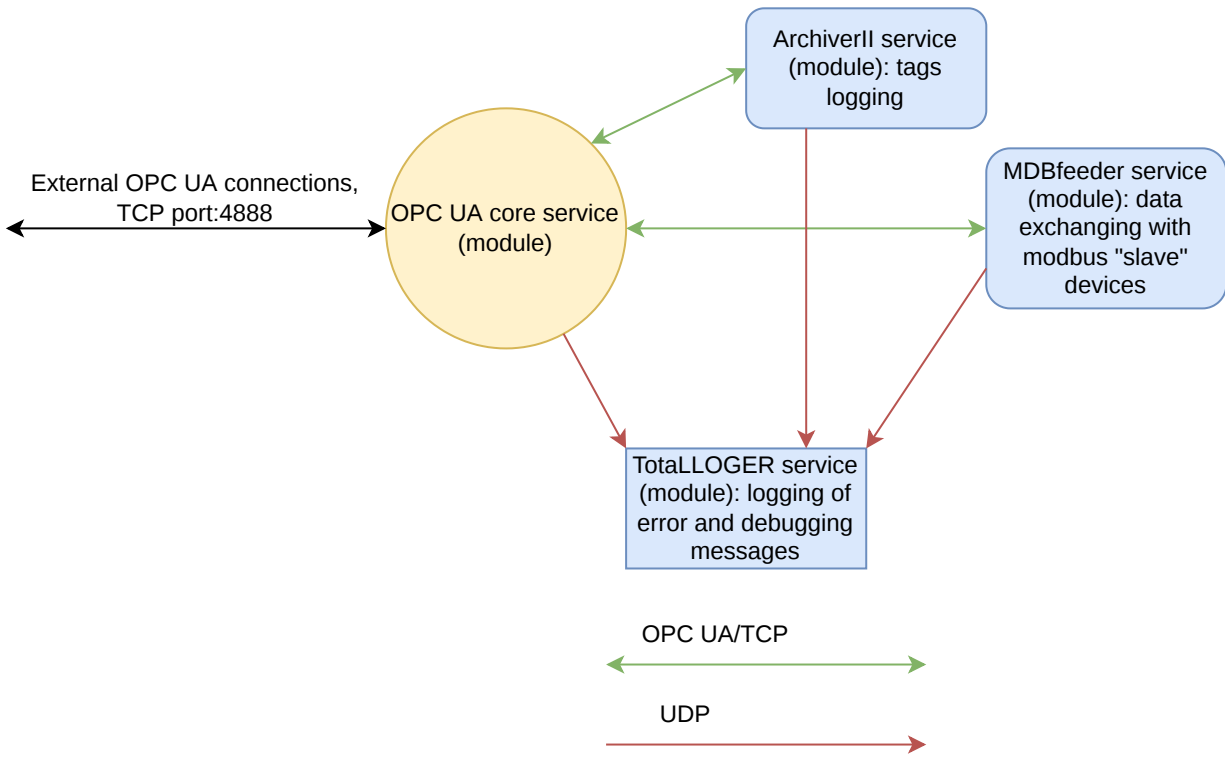
Directories structure

\\ROOT_DIRECTORY
- **\\ArchiverII service**
- **\\MDBfeeder service**
- **\\TotalLOGER service**
- **\\Any additional service**

- root directory contains - OPC UA core service executable file and config file
- all additional service directories just contains executable files of this services
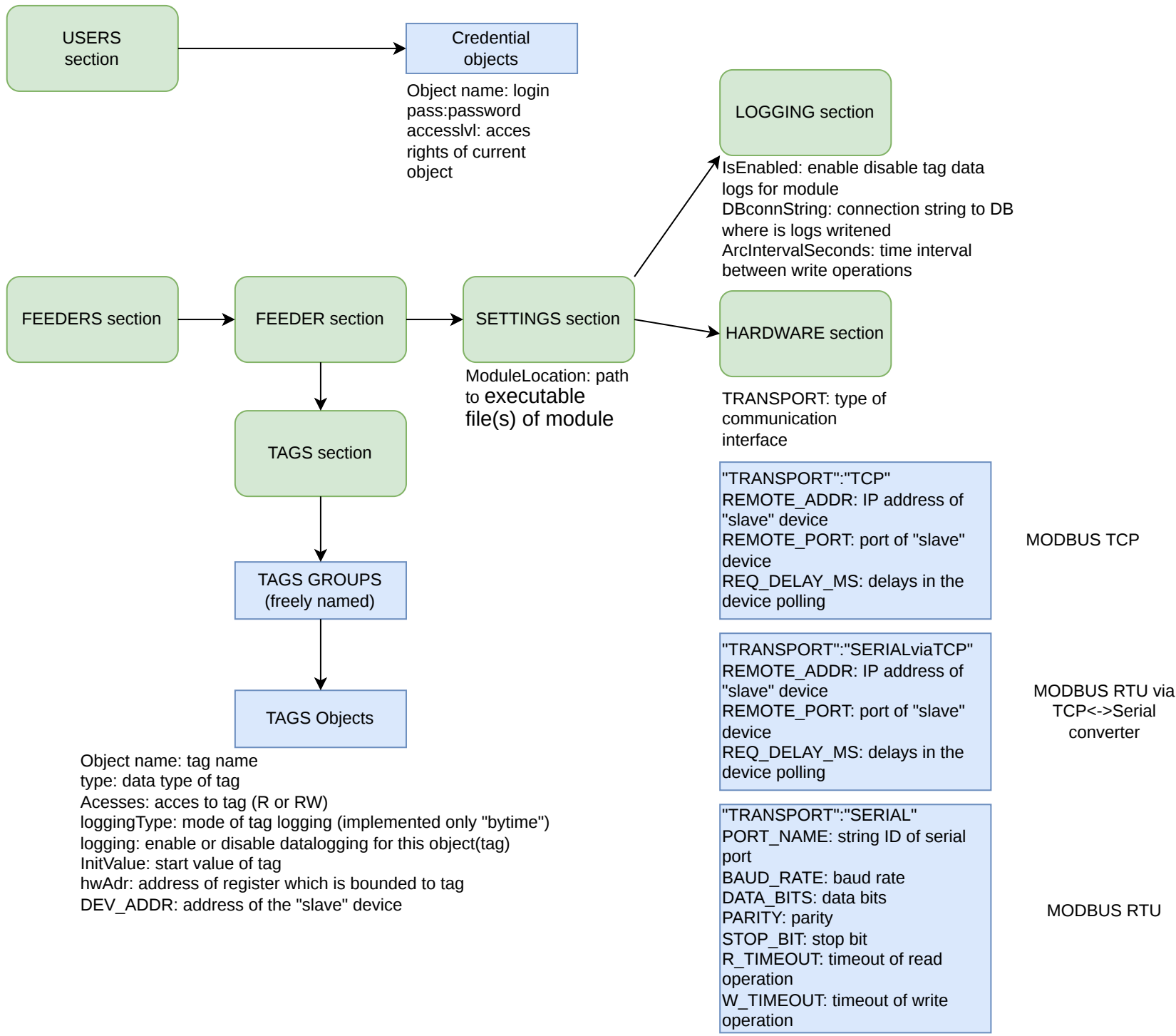
Example:

Directory of K:\PROJS\OPCLight\ExampleOfOPCdeployed

13.04.2022	21:42	DIR	.
13.04.2022	21:42	DIR	..
13.04.2022	21:41	DIR	ArchiverII
21.03.2022	19:36	4 992	config.json
19.03.2022	11:58	422 400	CoreOPC.exe
13.04.2022	21:41	DIR	MDBFeeder
13.04.2022	21:42	DIR	TotaLLOGER

2 File(s) 427 392 bytes
5 Dir(s) 1 087 171 375 104 bytes free

Config file scheme

Config file must be always named as "config.json".Example of "config.json" file has included to git files.

Building

- All .NET(C#) parts of the solution - just publish by VS or .NET tools
- CoreOPC part:
  1. Prepare sources of open62541 library by this instruction, "AMALGAMATION" option must be enabled
  2. After congiration, copy source files open62541.c and open62541.h into directory "open62541" of CoreOPC sources directory
  3. Obtain sources of "JSON for Modern C++" library (its "json.hpp" file) and copy it to CoreOPC sources directory
  4. for Windows - select "build" for this part in VS
  5. for Linux and GCC: go in the bash to CoreOPC sources directory and run command "g++ -fpermissive -o opc *.cpp ./open62541/open62541.c"