

README

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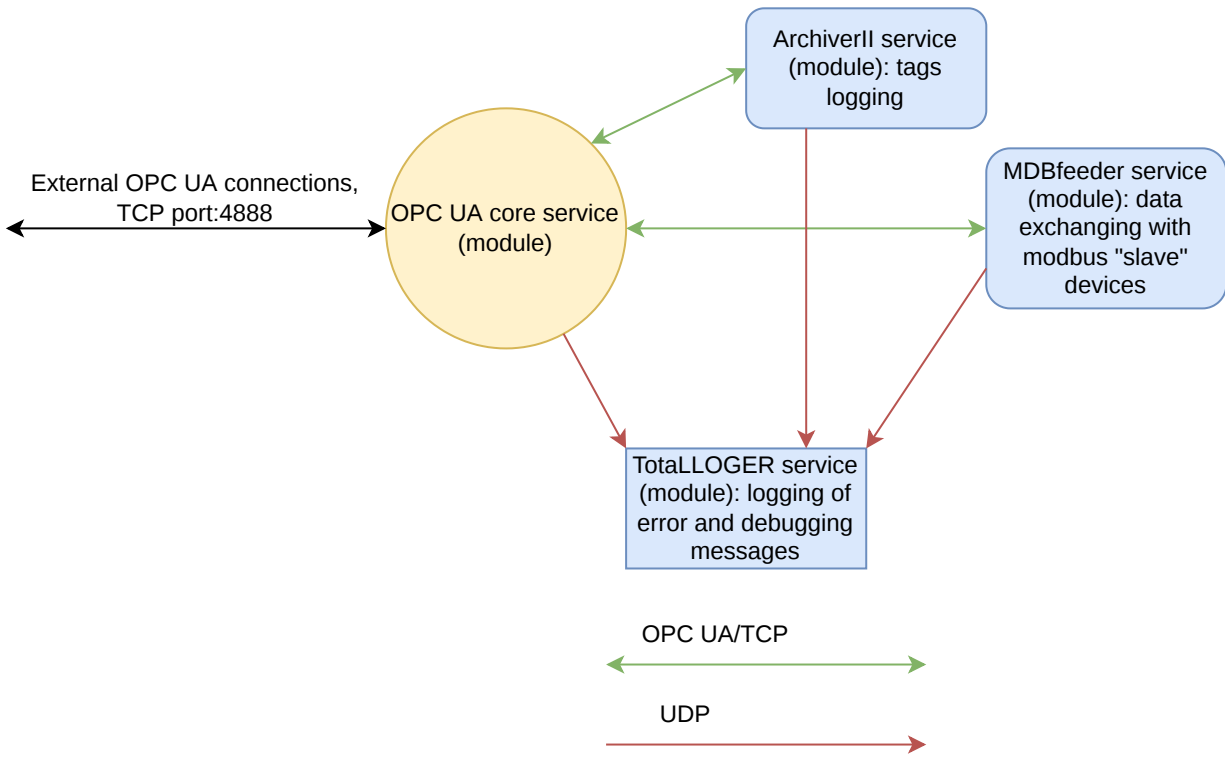
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List of external libs

- 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
  \\TotalLOGGER service
  \\Any additional service
```

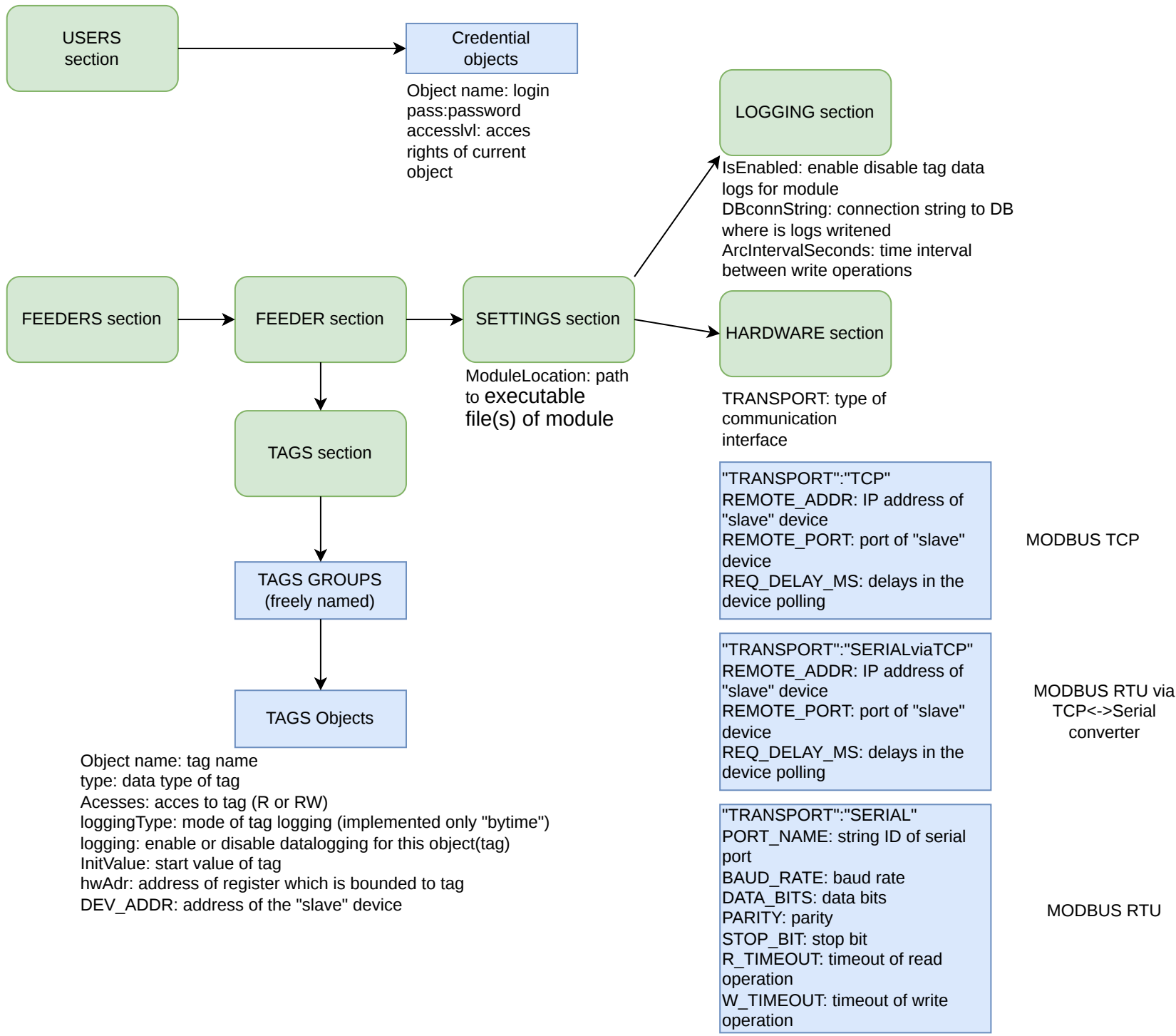
- root directory contains - OPC UA core service executable file and config file
- all additional service directories just contains executable files of this services

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	TotalLOGGER
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"