

Update instructions CS Network



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2 Change sheet

Revision	Change	Date	Editor	Version
1	First edition	2022-07-07	TE	V1.00
2	Correction page 8: Start Modbus Reader	2022-07-07	TE	V1.00
3	Exam .NETCore and AspNetCore Installation .NETCore and AspNetCore	2023-02-21	TE	V1.01
4	Windows: Customization appsettings.json Linux: Creation of Soft2ModbusData and customization of appsettings.json	2023-11-21	TE	V1.02
5	Install Soft2Monitor	2025-05-03	TE	V1.03

3 Prologue

Dear Customer,

When using the CS Network software, you can read out our sensors directly or save a number of measured values from our data recorders in a central database. It is also possible to integrate third-party sensors, provided they have an Ethernet interface. You can then access this data from several clients and evaluate or display it via a user authorization concept. You can also send alarms and evaluations automatically by e-mail to the users via push message.

In this documentation, the configuration by a user in the user interface on a PC is described.



4 Serverupdate

IMPORTANT: If your server was set up before 01.06.2022 or the last update was carried out before 01.06.2022, please contact support!

4.1 Windows-Server

- Download installation package: <u>https://electronautoupdate.blob.core.windows.net/files/network/WindowsServer/Windows</u>
- Unzip the file "WindowsServerUpdate.tar" (e.g. with 7-Zip: <u>https://www.7-zip.de/</u>)
- Start command prompt



• Check if .NETCore 6.0 and AspNetCore 6.0 are installed: Command: dotnet --list-runtimes



• If Microsoft.NETCore.App 6.0.x is not listed, "dotnet-runtime-6.0.36-win-x64.exe" file must be run.



- If Microsoft.AspNetCore 6.0.x is not listed, the "aspnetcore-runtime-6.0.36-win-x64.exe" file must be run.
- Run file "Soft2GrpcServer Setup.exe
- Execute the file "ModbusReaderService Setup.exe
- Execute the file "Soft2Monitor Setup.exe
- Run Windows Explorer as Amin and open the file "C:\Program Files\CS Instruments\ModbusReaderService\appsettings.json":



 If not available, "RootPath" must be added: , "RootPath": "Soft2ModbusData"





4.2 Linux-Server

- Download installation package: <u>https://electronautoupdate.blob.core.windows.net/files/network/LinuxServer/LinuxServerUpda</u> <u>te.tar</u>
- Unzip the file "LinuxServerUpdate.tar" (e.g. with 7-Zip: https://www.7-zip.de/)
- Stop ModbusReader: sudo systemctl stop ModbusReaderService.service
- Stop Soft2Monitor: (if Soft2Monitor is already installed): sudo systemctl stop Soft2Monitor.service
- Stop Soft2GrpcServer: sudo systemctl stop Soft2GrpcServer.service
- To update: sudo apt-get update
- Check if .NETCore 6.0 and AspNetCore 6.0 are installed: Command: dotnet --list-runtimes



- If Microsoft.NETCore.App 6.0.x is not listed Install NET Core runtime: sudo apt-get install -y dotnet-runtime-6.0
- If Microsoft.AspNetCore 6.0.x is not listed Install AspNetCore Runtime: sudo apt-get install -y aspnetcore-runtime-6.0
- Check whether the "Soft2ModbusData" directory has been created: cd / dir



Last login: Tue Nov 21 19:41:31 2023 from 192.168.2.110 csnetwork@csnetwork:~\$ cd / csnetwork@csnetwork:/\$ dir backups dev lib64 opt scripts swap.img bin etc libx32 proc snap sys

- If the "Soft2ModbusData" directory does not exist, execute the following commands: sudo mkdir /Soft2ModbusData sudo chown /Soft2ModbusData sudo chmod 775 /Soft2ModbusData
- Update ModbusReader:
 - Connect with WinSCP (<u>https://winscp.net/eng/download.php</u>)

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csnetwork csNetwork_45+#)

- change to folder /cssoft2/ModbusReader
- delete all files execpt appsettings*.json

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• Copy all files of the installation package from the ModbusReaderService folder to /cssoft2/ModbusReader.



- Open the "appsettings.json" file in the /cssoft2/ModbusReader folder and add the RootPath:
 - "RootPath": "//Soft2ModbusData" 📝 /cssoft2/ModbusReader/appsettings.json – UbuntuCSNetwork – Editor – WinSCP П \times 🖩 🚰 🖻 📲 🤸 🖺 🗙 🥘 🦻 🦿 🛍 🎎 🗰 🖷 Zeichencodierung 🛚 🗆 Farbe 🛚 🌼 💡 { "Logging": { "LogLevel": { "Default": "Information", "Microsoft": "Information", "Microsoft.Hosting.Lifetime": "Information" }, "EventLog": { "LogLevel": { "Default": "Information", "Microsoft.Hosting.Lifetime": "Information" } } }, "GrpcServerSettings": { "Host": "127.0.0.1", "Port": "50051" 'RootPath": "//Soft2ModbusData" Spalte: 40 Codierung: 1252 (ANSI - L Zeile: 20/20



• Update Soft2GrpcServer:

• Change to folder /cssoft2/Soft2GrpcServer

o delete all files execpt appsettings*.json

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- Copy all files of the installation package from the Soft2GrpcServer folder to /cssoft2/Soft2GrpcServer.
- Check whether the "Soft2Monitor" directory has been created:

```
cd /
cd cssoft2
dir
```

- If the "Soft2Monitor" directory does not exist, execute the following commands: sudo mkdir /cssoft2/Soft2Monitor sudo chown cssoft2 /cssoft2/Soft2Monitor sudo chmod 777 /cssoft2/Soft2Monitor
- If the "Soft2Monitor" service does not exist:
 - Copy the service file "Soft2Monitor.service" into the directory /etc/systemd/system.
 - o Activate service: sudo systemctl enable Soft2Monitor
 - o Service starten: sudo systemctl start Soft2Monitor
 - Copy appsettings.json to \cssoft2\Soft2Monitor
- Update Soft2Monitor:
 - Change to folder /cssoft2/Soft2Monitor
 - Delete all files except appsettings*.json



- Copy all files of the installation package from the Soft2Monitor folder to /cssoft2/Soft2Monitor
- Start Soft2GrpcServer: sudo systemctl start Soft2GrpcServer.service
- Start ModbusReader: sudo systemctl start ModbusReaderService.service
- Start Soft2Monitor: sudo systemctl start Soft2Monitor.service



5 Windows-Client

- Download installation package: <u>https://electronautoupdate.blob.core.windows.net/files/network/WindowsClient/WindowsCl</u>
- Unpack the file "WindowsClient.tar" (e.g. with 7-Zip: <u>https://www.7-zip.de/</u>)
- Execute the file "CS Network Setup.exe" in the folder Vx.x.x.x.